



WESTERN AUSTRALIA.

REPORT

OF

DEPARTMENT OF MINES.

1900.

1901.
—
WESTERN AUSTRALIA.

R E P O R T

OF THE

DEPARTMENT OF MINES.

FOR THE YEAR

1900.

Presented to both Houses of Parliament by His Excellency's Command.

PERTH:
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—
1901.

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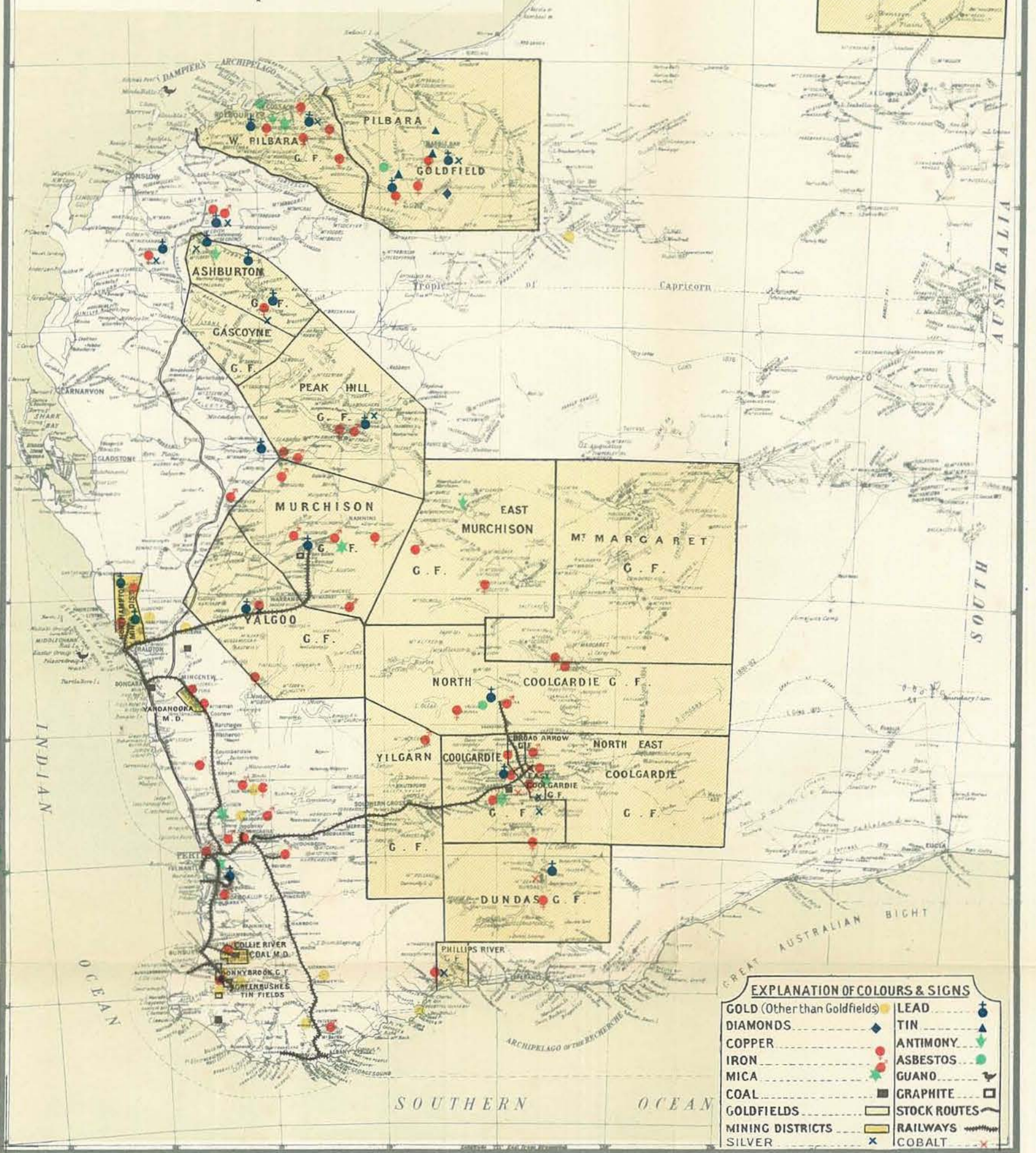


MAP OF WESTERN AUSTRALIA

Showing
THE DISTRIBUTION OF USEFUL MINERALS
together with
THE GOLDFIELDS AND OTHER MINING DISTRICTS

BY
A. GIBB MAITLAND,
GOVERNMENT GEOLOGIST.
1900

SCALE OF MILES
0 50 100 150 200



EXPLANATION OF COLOURS & SIGNS	
GOLD (Other than Goldfields)	●
DIAMONDS	◆
COPPER	●
IRON	●
MICA	●
COAL	■
GOLDFIELDS	□
MINING DISTRICTS	□
SILVER	×
LEAD	⊕
TIN	▲
ANTIMONY	▼
ASBESTOS	●
GUANO	☐
GRAPHITE	□
STOCK ROUTES	—
RAILWAYS	—
COBALT	×

*Report of the Department of Mines of the Colony of Western
Australia for the Year 1900.*

To the Honourable H. Gregory, M.L.A., Minister for Mines.

SIR,

I have the honour to submit the Annual Report of the Department for the year 1900, with Reports from the Wardens of the various Goldfields, Inspectors of Mines, and heads of the various branches.

As in previous years, the Mining Statistics are also submitted, giving detailed information of the output of the various mines for the year 1900 and previous years, and statistics relating to the mineral industry generally.

A number of descriptive mining views are also reproduced, their number being of necessity limited. I have endeavoured to select views of a few mines on each goldfield, but, with the great number to choose from, the task has been a somewhat invidious one.

In commenting on the progress of the mining industry, and the work of the Department, I propose to follow the heads adopted in last year's Report, which were as follows:—

- I.—GENERAL REMARKS.
- II.—MINERALS RAISED.
- III.—LEASES AND OTHER HOLDINGS UNDER THE VARIOUS ACTS RELATING TO MINING.
- IV.—MEN EMPLOYED.
- V.—ACCIDENTS.
- VI.—EXAMINATION OF ENGINE-DRIVERS.
- VII.—MINING STATISTICS.
- VIII.—PUBLIC BATTERIES.
- IX.—INSPECTION UNDER THE STEAM BOILERS ACT.
- X.—EXISTING LEGISLATION.
- XI.—REMARKS ON VARIOUS GOLDFIELDS AND MINING DISTRICTS.
- XII.—DEPARTMENTAL.

PREFACE.

Before dealing with the progress of the mineral industry of the State for 1900, it may not be out of place, at the close of the century, to consider the effect that the discovery of minerals, and more especially the discovery of gold, has had on the development of Western Australia.

Even before the discovery of gold, the value of lead and copper ore contributed appreciably to swell the exports, but until the gold discoveries of the last few years Western Australia gave no promise of the rapid development she has experienced during the last decade.

In the year 1885, when gold was discovered in the Kimberley district, the exports of lead and copper ore only amounted to 1·13 per cent. of the total exports. At the end of the year 1900 the value of the gold and other minerals exported was 56·85 per cent. of the total value of the exports of the State. Since the discovery in 1885, gold to the value of £22,487,000 has been produced, and it is not to be wondered at that the unearthing of this wealth has stimulated the prosperity of this State to a marvellous extent.

In 1885 the population was 35,186; at the end of 1900 it was about 180,000. The revenue for the first-named year was £323,213, while for the latter it was £3,010,005; during the same period the value of the exports increased from £446,692 to £6,852,054, and the value of the imports from £650,391 to £5,962,178.

Such has been the effect of mineral discoveries on the progress of this State in the past, and, great as it has been, it can safely be predicted that the development of the wealth existing in its vast, partially-prospected mineral areas will do still more to add to its prosperity in the future.

It should be the aim of everyone having the true interests of the State at heart to assist the development of its mineral industry by every legitimate means, for by so doing the prosperity of its other industries will follow.

PART I.—GENERAL REMARKS.

In all countries in which extensive mineral deposits are worked, and more especially in those in which auriferous deposits predominate, the annual output is variable, and Western Australia is no exception to the rule.

The total output of minerals for 1899 exceeded by far that of any previous year, while the total mineral output for 1900 shows a decrease in value of £167,906 on the previous year, a falling-off of about 2·6 per cent. as compared with the total value of the mineral output for that year.

It is most satisfactory, however, to note that, with the exception of lead and gold, the output of the various minerals shows a marked increase, and the falling off in the yield of the latter was only to be expected in view of the forced outputs of some of the leading mines of the State during 1899.

GOLD.

The total output of gold for the year 1900, as shown by the export and Mint returns, is 1,580,950ozs., a decrease of 62,927ozs., or about 3·8 per cent. on the 1899 yield. It is, however, gratifying to note that the decrease has not been a general one, and has been confined to a few goldfields, notably the East Coolgardie, Coolgardie, and North-East Coolgardie. The pleasing feature about the year's production is the marked increase in the output in some of the newer goldfields, notably the Mt. Margaret field, with an increase of about 82 per cent., the East Murchison with an increase of about 43 per cent., the Murchison with one of about 31 per cent., and Yilgarn, the oldest of the Eastern Goldfields, with an increase of 78 per cent. as compared with the yield of 1899.

Taking the goldfields as a whole, their development has been eminently satisfactory, and in the East Coolgardie field, in which the largest actual decrease in output appears (a decrease of about 14 per cent., which can be more than accounted for by the lower output of one mine), the developments in the lower levels are such as cannot fail but to increase public confidence in the future of the field.

Owing to the discoveries of gold-bearing reefs in the Phillips River Mining District on the South coast, it was found necessary to declare a new goldfield embracing the same area as the mining district declared in 1899, and at the close of the year five gold mining leases were in force with an area of 114 acres, and 53 mineral leases with an area of 2,265 acres. With the advent of crushing machinery this field should soon become a gold producer, and its future as a copper producing district seems bright, judging from the results of the smelting of the parcels of copper ore shipped for treatment.

TIN.

Though the output of tin ore for 1900 as compared with the previous year shows an increase of 488 tons, valued at £31,432, the progress of this industry during the year is somewhat disappointing. The Greenbushes field labours under certain disadvantages, notably the lack of an abundant supply of water; but there are two schemes on foot for supplying water from the Blackwood River, and either of these carried to a successful issue should add largely to the prosperity of the field. A private smelting company started operations during the year at Greenbushes, and proved a great boon to the mining community. The Government propose to erect a tin dressing plant at the Southern end of the Greenbushes field, and this should be at work towards the middle of 1901.

The Marble Bar tinfield shows a largely increased output for the year, the black tin produced amounting to 388 tons, as against 57 tons in 1899. Tin exists in several other localities on this goldfield, and a new discovery was made in August at Coolglegong, about 45 miles to the South-West of Marble Bar.

COPPER.

The value of the copper ore raised during the year has been £43,673, showing an increase of £7,735 over the previous year. The output from the Malcolm district, in the Mt. Margaret Goldfield, shows the largest increase, and the deposits in this district give promise of large and consistent returns in the near future. The returns from the mines in the West Pilbarra Goldfield show a substantial falling off as compared with the previous year, but want of adequate capital rather than scarcity of ore seems to account for this, and there is little doubt that systematic work on proper lines will result in largely increased returns from this field in the future.

This State gives every prospect of becoming a large copper producer. Deposits of this mineral, which give every prospect of payable results, are found from Kimberley, in the North, to Phillips River, in the South, and the results from the mines in the vicinity of Murrin Murrin, which is 75 miles from a railway, and 540 miles from a seaport, show what is to be expected in places closer to the seaboard.

COAL.

The output of coal for 1900 has been 118,410 tons, exceeding the 1899 output by 64,074 tons. There have been three producing collieries—the Wallsend, the Proprietary, and the West Australian Collieries—on which 400 men are employed. Several companies holding leases on the field have, during the year, put down a series of bores, with a view of testing their properties, and it is very gratifying to note that the information obtained as to the existence of new coal seams is highly satisfactory.

IRONSTONE AND LIMESTONE.

Slight increases are shown on the production of these minerals, but the figures in the case of limestone do not by any means represent the production of the State, as returns only of the limestone used for flux, and portion of that from which lime used for cyaniding purposes is made, are available.

FUTURE PROSPECTS.

The prospects of the West Australian mining industry are decidedly bright. In every goldfield where systematic and careful development has been carried on, results have proved the permanence of the lodes in depth, and the continually improving methods of treatment should render gold mining much more profitable, and the extension of the railway system should have a like effect. The increase in the output of the various other minerals mentioned is an encouraging sign, especially when it is considered that so far but little capital has been devoted to their development.

The Government of this State has never been backward in assisting the development of the goldfields by building railways, making roads, conserving water, and providing State batteries; also subsidies for deep sinking have been offered, and some boring for alluvial leads started. Similar assistance to the mining industry will probably be continued, and the question of affording further facilities to prospectors is under consideration.

PART II.—MINERALS RAISED.

TABLE I.

Quantity and Value of all the Minerals produced.

Description of Mineral.	1899.		1900.		Increase or Decrease for the year compared with 1899.	
	Quantity.	Value at the Mines.	Quantity.	Value at the Mines.	Quantity.	Value.
1. Asbestos (exported), statute tons ...	*	£ 1	...	£ ...	...	£ - 1
2. Black Tin (raised) do. ...	335	25,270	823	56,702	+ 488	+ 31,432
3. Coal (raised) do. ...	54,336	25,951	118,410	54,835	+ 64,074	+ 28,884
4. Copper Ore (raised) do. ...	2,964	35,938	6,183	43,673	+ 3,219	+ 7,735
5. Gold (exported), ounces troy ...	1,434,571	} +6,246,732	999,767	} +6,007,610	- 62,927	- 239,122
Do. (Mint) do. ...	209,306		581,183			
6. Ironstone (raised) statute tons ...	12,852	8,939	12,251	9,258	- 601	+ 319
7. Lead Ore (raised) do. ...	83	912	268	533	+ 185	- 379
Pig Lead (exported) do. ...	77	1,077	...	...	- 77	- 1,077
8. Limestone (raised) do. ...	17,593	2,838	15,927	3,594	- 1,666	+ 756
9. Mica (exported) do. ...	*	50	*	3	...	- 47
10. Silver (exported), ounces troy ...	...	...	28,749	3,594	+ 28,749	+ 3,594
Total Values ...	...	6,347,708	...	6,179,802	...	- 167,906

* Not stated. + £3 16s. per ounce.

Table 1 gives the total mineral output of the State as far as can be ascertained, and shows a comparison for the years 1899 and 1900. As usual, the export and Mint figures have been taken to arrive at the total gold production. Satisfactory increases appear in the production of tin, copper, and coal. The value of the gold produced is 97·2 per cent. of the total value of minerals produced, as against 98·5 per cent. for the previous year.

TABLE 2.

Summary of the Gold exported and received at the Perth Branch of the Royal Mint during the Years 1899 and 1900, compared with the Yield reported to the Mines Department; also the Percentages of the latter for the several Goldfields, and the average yield per ton of Ore milled.

Goldfield.	Export and Mint.		Reported Yield.				Average per ton of Ore milled.	
	1899.	1900.	1899.	1900.	Percentage for each Goldfield.		1899.	1900.
					1899.	1900.		
	ozs.	ozs.	ozs.	ozs.			ozs.	ozs.
1. Kimberley	1,123	677	917	571	·06	·04	·72	·40
2. Pilbarra... ..	20,526	17,140	19,292	16,617	1·20	1·10	2·09	2·43
3. West Pilbarra	1,956	722	1,935	954	·12	·06	1·36	·87
4. Ashburton	521	524	1,659	1,704	·10	·11	...	...
5. Gascoyne	419	86	334	74	·02	·01	·91	...
6. Peak Hill	31,995	28,670	31,954	26,572	2·00	1·76	2·88	1·63
7. East Murchison	41,570	58,369	45,039	64,698	2·82	4·27	·99	1·11
8. Murchison	93,518	108,697	80,549	105,722	5·03	6·98	1·16	1·05
9. Yalgoo	10,880	9,369	12,136	10,102	·76	·67	·67	·62
10. Mt. Margaret	81,817	141,523	79,923	145,689	5·00	9·62	1·04	1·09
11. North Coolgardie	105,689	106,193	116,968	106,774	7·30	7·05	1·23	1·16
12. Broad Arrow	44,524	47,861	48,195	52,433	3·01	3·46	·79	·68
13. North-East Coolgardie	81,171	52,129	112,825	70,746	7·05	4·67	·92	·71
14. East Coolgardie	923,618	810,907	855,405	737,971	53·44	48·75	1·83	1·49
15. Coolgardie	141,170	119,781	131,257	102,413	8·20	6·77	·79	·75
16. Yilgarn	16,805	29,418	16,372	29,155	1·02	1·93	·49	·53
17. Dundas	45,165	40,687	44,213	41,084	2·76	2·71	·74	·83
18. Phillips River ... ..	...	...	...	39	...	·00	...	...
19. Donnybrook	506	266	511	453	·03	·03	1·63	1·26
Goldfields generally	904	7,931	1,279	146	·08	·01	...	...
Totals and averages	1,643,877	1,580,950	1,600,763	1,513,917	100·00	100·00	1·31	1·14

Table 2 gives the production of gold as ascertained from the returns furnished by the Collector of Customs and the Deputy Master of the Perth branch of the Royal Mint, and also the yield of gold as ascertained from the returns furnished by the various mines.

As in former years, these totals vary considerably, and for the year 1900 the reported yield is less than the total shown by the Customs and Mint returns by 67,033ozs., which represents about $4\frac{1}{4}$ per cent. on the total yield. In former reports I have commented on this difference, which can be taken to represent the gold won from alluvial holdings, from which it is not always possible to obtain returns, and, I regret to say, a portion of the discrepancy may be accounted for by the gold-stealing, which, despite many precautions, is still rampant on some of the richer mines.

As in previous years, the East Coolgardie Goldfield is the largest producer with $48\frac{3}{4}$ per cent. of the total yield, its yield for 1899 being $53\frac{1}{2}$ per cent. of the total. The Mt. Margaret field takes second place with a yield of 145,689ozs., representing $9\frac{2}{3}$ per cent. of the total for the State, a most satisfactory increase of 65,766ozs. for the year. With the completion of the railway now in course of construction to Leonora, the output of this goldfield should continue to advance. The yields of the North Coolgardie, Murchison, Coolgardie, and East Murchison Goldfields follow those of the above-named fields with percentages of 7·05, 6·98, 6·77, and 4·27 of the total yield.

The average return for the year per ton of ore milled is 1·14oz. for the whole State, and this though slightly lower than the average for last year is satisfactory when it is considered that many more low-grade mines are being worked. It must be recognised that the permanence of the mining industry in this State depends to a very large extent on the economical working of the numerous low-grade lodes that exist, and it is an encouraging sign that attention is being turned to these, in many cases with marked success.

TABLE 3.

Return showing the Increase or Decrease in Output of certain large producing Mines in the Year 1900 as compared with 1899:—

Goldfield.	District.	Name of Mine.	PRODUCTION.		Increase or decrease for year compared with 1899.
			1899.	1900.	
			ozs.	ozs.	ozs.
Peak Hill ... ..	...	Peak Hill Goldfields, Ltd.	31,475	24,488	— 6,987
East Murchison ... ..	...	East Murchison United, Ltd.	21,312	26,075	+ 4,763
Murchison	Day Dawn	Great Fingall Consolidated, Ltd.	3,595	8,525	+ 4,930
Do.	Mt. Magnet	Morning Star leases	4,815	6,233	+ 1,418
Mt. Margaret	Mt. Malcolm	Sons of Gwalia, Ltd.	20,028	53,589	+ 33,561
Do.	do.	Merton's Reward	3,307	8,085	+ 4,778
Do.	do.	Mt. Malcolm Mines, Ltd.	9,181	6,965	— 2,216
Do.	Mt. Margaret	Lancefield G.M. Co., Ltd.	2,136	6,624	+ 4,488
Do.	do.	Westralia (Mt. Morgans) G.M. Co., Ltd.	13,669	25,868	+ 12,199
North Coolgardie	Menzies	Lady Shenton G.M. Co., Ltd.	22,738	20,579	— 2,159
Do.	do.	Queensland Menzies G.M. Co., N.L.	9,747	7,667	— 2,080
Do.	Niagara	Cosmopolitan Proprietary, Ltd.	9,054	14,002	+ 4,948
Broad Arrow ... ..	...	New Austral Co., Ltd.	7,940	10,279	+ 2,339
Do. ... ..	...	Paddington Consols, Ltd.	8,575	16,956	+ 8,381
N.E. Coolgardie	Kanowna	White Feather Main Reefs, Ltd.	11,772	10,728	— 1,044
Do.	Bulong	Queen Margaret G.M. Co., Ltd.	10,235	10,447	+ 212
East Coolgardie ... ..	...	Associated G.Ms. of W.A., Ltd.	108,270	34,183	— 74,087
Do. ... ..	...	Associated Northern Blocks ... ..	...	10,218	+ 10,218
Do. ... ..	...	Golden Horseshoe Estates Co., Ltd.	103,573	132,863	+ 29,290
Do. ... ..	...	Great Boulder Main Reef, Ltd.	12,708	22,050	+ 9,342
Do. ... ..	...	Great Boulder Perseverance G.M. Co., Ltd.	40,996	47,098	+ 6,102
Do. ... ..	...	Great Boulder Proprietary G.Ms., Ltd.	83,728	115,908	+ 32,180
Do. ... ..	...	Hannan's Oroya G.M. Co. (W.A.), Ltd.	11,715	5,800	— 5,915
Do. ... ..	...	Ivanhoe Gold Corporation, Ltd.	104,009	107,051	+ 3,042
Do. ... ..	...	Lake View Consols, Ltd.	235,773	98,770	— 137,003
Do. ... ..	...	North Boulder G.M. Co., Ltd.	18,179	5,347	— 12,832
Do. ... ..	...	South Kalgurli G.Ms., Ltd. ... ..	...	11,003	+ 11,003
Do. ... ..	...	Hannan's Brown Hill G.M. Co., Ltd.	90,934	80,756	— 10,178
Do. ... ..	...	Hannan's Proprietary Development Co., Ltd.	1,609	4,344	+ 2,735
Do. ... ..	...	Hannan's Reward, Ltd.	2,112	3,092	+ 980
Do. ... ..	...	Kalgurli G.Ms., Ltd. ... ..	...	15,632	+ 15,632
Coolgardie	Coolgardie	Vale of Coolgardie, Ltd.	6,998	8,558	+ 1,560
Do.	do.	Burbank's Birthday Gift G.Ms., Ltd.	17,966	19,072	+ 1,106
Do.	do.	Bayley's United G.Ms., Ltd.	22,507	23,145	+ 638
Yilgarn ... ..	...	Fraser's G.M. Co., N.L.	8,757	13,054	+ 4,297
Do. ... ..	...	Fraser's South Extended G.M. Co., Ltd.	1,825	6,152	+ 4,327
Dundas... ..	...	Break-o'-Day G.M.	2,994	4,465	+ 1,471
Do. ... ..	...	Lady Mary leases	8,800	1,935	— 6,865
Do. ... ..	...	Norseman G.Ms., Ltd.	10,755	10,821	+ 66
Do. ... ..	...	Princess Royal G.M. Co., N.L.	11,748	18,464	+ 6,716
		Total	1,095,535	1,056,891	— 38,644

The above table shows at a glance the output of some of the larger producing mines in the State for 1899 and 1900. It will be seen that the larger number show substantially increased outputs. Five out of the eleven mines that show a decreased yield are in the East Coolgardie Goldfield, and the decrease can be accounted for in some cases by the exhaustion of their deposits of oxidised ore and the want of machinery to treat the sulphides in the lower levels, and in others by the reckless system of "picking the eyes out" of the mines which was pursued with the object of unduly inflating the yields, the systematic development of the mines being at the same time neglected.

COMPARATIVE STATISTICAL DIAGRAMS
 RELATING TO
OUTPUT AND VALUE OF GOLD AND OTHER MINERALS, LANDS LEASED FOR GOLD MINING
 IN WESTERN AUSTRALIA
 AND THE **COLD PRODUCTION OF AUSTRALASIA FOR THE YEAR 1900**

Fig. 1 Output of Gold from various Goldfields as reported to Mines Department

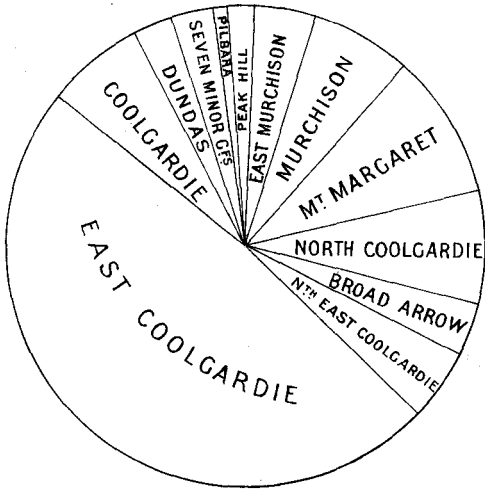


Fig. 2 Gold produced from various Goldfields as given by the Export and Mint returns

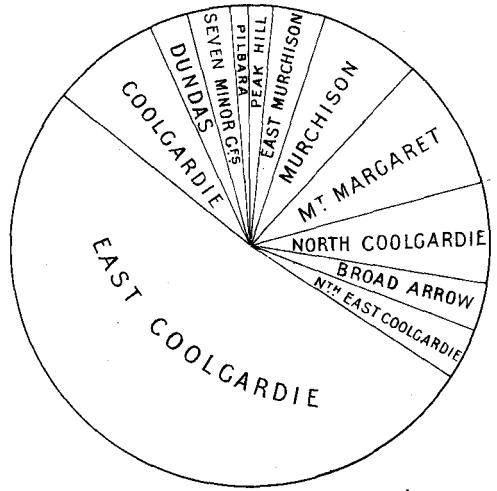


Fig. 3 Value of Gold and other minerals

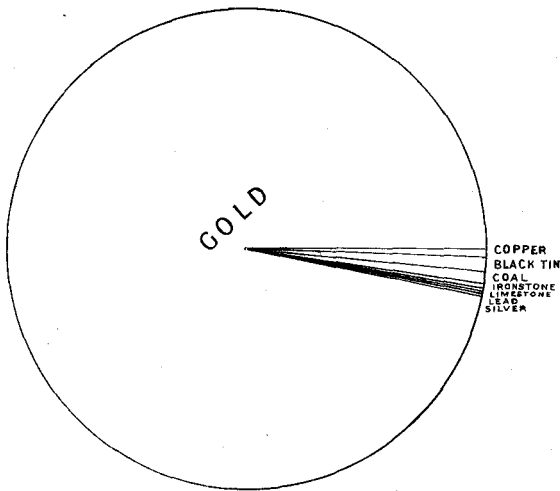


Fig. 4 Value of Minerals other than Gold

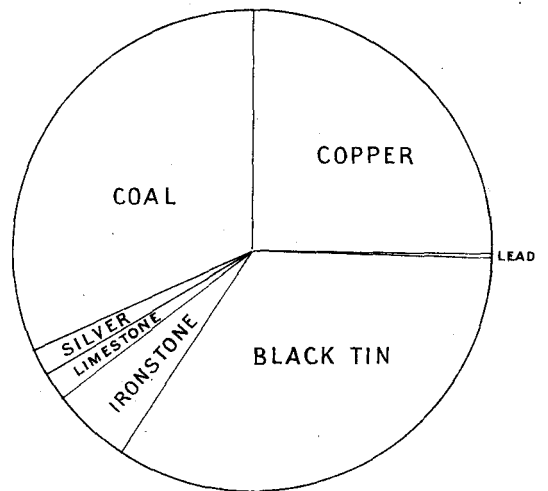


Fig. 5 Areas of Land leased for Gold Mining on the various Goldfields

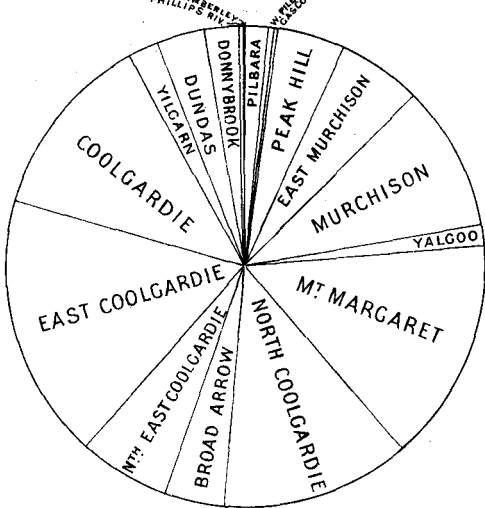


Fig. 6 Output of Gold in the Australasian Colonies

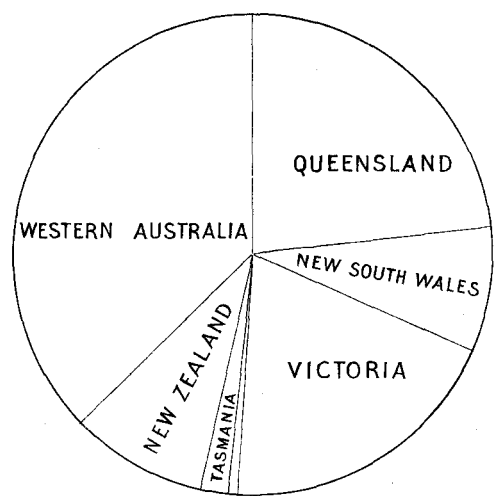


TABLE 4.

A Comparative Table showing the Averages of Gold Ore raised, and Yield therefrom per man employed, on the different Goldfields of the Colony for the Years 1899 and 1900.

GOLDFIELD.	1899.				1900.			
	Number of Tons of Gold Ore raised.		Number of Ounces of Gold produced.		Number of Tons of Gold Ore raised.		Number of Ounces of Gold produced.	
	Per man employed under ground.	Per man employed above and under ground.	Per man employed under ground.	Per man employed above and under ground.	Per man employed under ground.	Per man employed above and under ground.	Per man employed under ground.	Per man employed above and under ground.
	tons.	tons.	ozs.	ozs.	tons.	tons.	ozs.	ozs.
1. Kimberley	115·66	57·83	83·33	41·66	146·50	83·71	60·00	34·28
2. Pilbarra	56·90	31·53	119·17	66·04	121·06	55·62	294·11	135·13
3. West Pilbarra	38·26	18·33	52·17	25·00	34·05	13·09	29·80	11·46
4. Ashburton ... ..	...	...	...	...	...	...	...	...
5. Gascoyne	117·50	58·75	107·00	53·50	...	...	...	...
6. Peak Hill	52·00	31·00	149·88	90·18	72·56	45·91	118·51	74·99
7. East Murchison	168·66	76·66	167·70	76·22	137·82	65·20	154·18	72·94
8. Murchison	87·41	47·91	101·57	55·67	128·03	67·17	134·82	70·74
9. Yalgoo	104·87	56·04	70·87	37·87	113·83	69·00	71·62	43·42
10. Mt. Margaret	110·02	57·47	114·96	60·05	137·49	71·75	149·49	78·02
11. North Coolgardie	108·65	59·26	134·09	73·14	111·05	60·08	129·05	69·82
12. Broad Arrow	123·66	68·00	98·72	54·28	204·71	113·76	141·21	78·47
13. N.E. Coolgardie	211·01	115·20	195·53	106·75	138·92	82·22	98·27	58·16
14. East Coolgardie	180·07	91·34	329·77	167·27	178·87	83·30	266·88	124·28
15. Coolgardie	109·69	60·54	87·09	48·07	139·50	75·96	105·31	57·34
16. Yilgarn	165·36	83·09	81·04	40·72	227·62	109·46	121·98	58·66
17. Dundas	178·85	108·55	132·30	80·29	153·17	93·18	127·75	77·72
18. Phillips River ... ..	...	...	...	...	...	...	...	...
19. Donnybrook	8·93	5·67	14·51	9·21	8·37	4·50	10·53	5·66
Averages	137·16	72·97	179·91	95·72	149·97	76·99	171·31	87·95

It will be seen from Table 4 that the average number of ounces of gold produced per man employed above and below ground is 87·95ozs. as against 95·72 last year. In seven out of the 16 producing fields the average production per man has increased, the remaining nine fields showing a decrease. The increase in the Murchison, Mt. Margaret, Broad Arrow, Coolgardie, and Yilgarn Goldfields is most marked, while the North-East Coolgardie field shows the greatest falling off.

TABLE 5.

Output of Gold in the Commonwealth of Australia and the Colony of New Zealand during 1900.

State.	Output in Ozs.	Value.	Value per Oz.	Percentage of Value of Total Output.
1. Western Australia	1,580,950	£ 6,007,611	£ s. d. 3 16 0	39·78
2. Queensland	963,189	2,871,709	2 19 7½	19·01
3. Victoria	807,407	3,190,940	3 19 0½	21·13
4. New South Wales	345,650	1,194,521	3 9 1¼	7·91
5. Tasmania	81,175	316,220	3 17 10¾	2·09
6. { South Australia	3,721 } 24,172	14,494 } 82,482	3 8 2¾	·55
{ and Northern Territory	20,451 }	67,988 }		
New Zealand	373,616	1,439,602	3 17 0¾	9·53
Total	4,176,159	15,103,085	...	100·00

TABLE 6.

Quantity and Value of Minerals, other than Gold, reported to the Mines Department during 1900.

Goldfield, District, or Mining District.	Quantity.	Value.	Increase or decrease for the year, compared with 1899.	
			Quantity.	Value.
	tons.	£	tons.	£
BLACK TIN.				
Greenbushes Mining District	435·62	29,528	+ 158·32	+ 7,870
Marble Bar District	387·87	27,174	+ 330·37	+ 23,562
Total	823·49	56,702	+ 488·69	+ 31,432
COPPER ORE.				
Day Dawn District	5·15	91	+ 5·15	+ 91
Mount Malcolm District	4,539·00	30,718	+ 4,266·00	+ 26,380
Northampton Mining District ... ..	...	...	- 136·00	- 2,122
Phillips River Goldfield	34·00	725	+ 34·00	+ 725
West Pilbarra Goldfield	1,605·00	12,139	- 950·00	- 17,339
Total	6,183·15	43,673	+ 3,219·15	+ 7,735
DIAMONDS.				
Nullagine District	*	24	...	+ 24
IRONSTONE.				
From Colony generally	12,251·00	9,258	- 601·00	+ 319
LEAD ORE.				
Northampton Mining District	268·00	533	+ 185·25	- 379
LIMESTONE.				
Yilgarn Goldfield	269·85	273	+ 269·85	+ 273
From Colony generally	15,657·00	3,321	- 1,936·00	+ 483
Total	15,926·85	3,594	- 1,666·15	+ 756

* 25 small diamonds, weight in carats unknown.

It will be seen by the above table that the production of tin ore has substantially increased during the year, in spite of the fact that the number of men employed in tin mining has decreased by nearly 350 men. The yield from the Marble Bar tinfield shows the greater increase, it being nearly seven times greater than that for 1899.

The yield of copper shows an increase of £7,735 over that of the previous year, a most gratifying increase appearing in the yield from the Mt. Malcolm district, where a small smelter is erected. The Phillips River Goldfield appears for the first time as a copper producer, and as it is in the early stages of development, the year 1901 should show a marked increase in its output.

A few diamonds were found in the stamper boxes of a battery crushing auriferous conglomerates at Nullagine, but no systematic search has been made for them.

TABLE 7.

Quantity of Coal raised during the years 1899-1900, and estimated Value thereof, with Number of Men employed, and Output per Man.

Name of Coalfield.	Year.	Coal.		Number of men employed.		Quantity raised.	
		Quantity raised.	Estimated Value.	Above ground.	Under ground.	Per man employed under ground.	Per man employed above and under ground.
		tons.	£			tons.	tons.
Collie	1899	54,336	25,951	46	146	372	283
Do.	1900	118,410	54,835	104	296	400	296

TABLE 8.

Return of Dividends paid by Western Australian Mining Companies during 1900.
(Compiled in the Statistical Office, Registrar General's Department.)

Goldfield.	Mining Company.	Par value of Shares.	Paid up to	Nominal Capital.	No. of Shares issued.	No. of Dividends paid up in 1900.	Total Amount paid during the Year 1900.
		£ s. d.	£ s. d.	£			£
East Murchison ...	Lake Way Goldfields, Ltd. ...	1 0 0	1 0 0	150,000	110,000	1	2,750
	East Murchison United, Ltd. ...	1 0 0	1 0 0	150,000	150,000	1	7,500
Peak Hill ...	Peak Hill Goldfields, Ltd. ...	1 0 0	1 0 0	250,000	250,000	2	50,000
Mt. Margaret ...	Sons of Gwalia G.M. Co., Ltd. ...	1 0 0	1 0 0	300,000	300,000	1	30,000
	Westralia Mt. Morgans G.M. Co., Ltd. ...	1 0 0	1 0 0	125,000	105,000	3	31,500
North Coolgardie	Lancefield G.M. Co., Ltd. ...	1 0 0	1 0 0	25,000	21,600	4	1,440
	Lady Shenton G.M., Ltd. ...	1 0 0	1 0 0	160,000	160,000	1	4,000
	Queensland Menzies G.M. Co., N.L. ...	0 5 0	0 4 6	33,000	132,000	2	3,300
	Cosmopolitan Proprietary G.M. Co., Ltd. ...	1 0 0	1 0 0	400,000	360,000	1	9,000
North-East Coolgardie	White Feather Main Reef, Ltd. ...	1 0 0	1 0 0	160,000	160,000	4	15,508
East Coolgardie ...	Queen Margaret G.M. Co., Ltd. ...	1 0 0	1 0 0	250,000	190,000	2	4,752
	Associated G. Mines of W.A., Ltd. ...	1 0 0	0 17 6	500,000	450,000	1	33,750
	Great Boulder Main Reef, Ltd. ...	0 10 0	0 10 0	130,000	260,000	1	13,000
	Great Boulder Proprietary G.M., Ltd. ...	0 2 0	0 2 0	175,000	1,750,000	3	131,250
	Hannan's Brown Hill G.M. Co., Ltd. ...	1 0 0	1 0 0	143,000	143,000	4	193,625
	Hannan's Oroya G.M. Co., Ltd. ...	1 0 0	1 0 0	250,000	190,000	1	9,491
	Ivanhoe Gold Corporation, Ltd. ...	5 0 0	5 0 0	1,000,000	200,000	5	25,000
Coolgardie ...	Lake View Consols, Ltd. ...	1 0 0	1 0 0	250,000	250,000	3	312,500
	Golden Horseshoe Estates Co., Ltd. ...	5 0 0	5 0 0	1,500,000	300,000	3	223,825
	Burbank's Birthday Gift G.M., Ltd. ...	1 0 0	1 0 0	180,000	180,000	1	9,000
	Premier G.M. Co., N.L. ...	1 0 0	0 12 9	50,000	50,000	5	6,250
	Bayley's United G.M. Co. ...	0 5 0	0 5 0	155,000	620,000	2	31,000
Yilgarn ...	Vale of Coolgardie G.M. Co., Ltd. ...	1 0 0	1 0 0	90,000	75,000	3	5,625
	Fraser's South Extended G.M. Co., N.L. ...	1 0 0	1 0 0	100,000	96,989	3	3,639
Dundas ...	Princess Royal G.M. Co. ...	0 10 0	*	40,000	80,000	3	12,000
Total ...	...	...	...	...	...	...	£1,394,705

* 45,000 Shares up to 6s. 6d., and 35,000 up to 10s.

PART III.—LEASES AND OTHER HOLDINGS UNDER THE VARIOUS ACTS RELATING TO MINING.

TABLE 9.

Total Number and Area of Leases held for Mining in Western Australia on 31st December, 1899 and 1900.

Title of Act under which held.	1899.		1900.	
	No.	Area.	No.	Area.
Goldfields Acts ...	2,609	36,118	2,546	35,814
Mining on Private Property Act	16	218	15	210
Sluicing and Dredging Act ...	...	...	6	12,020
Mineral Lands Act ...	268	27,377	331	36,716
Totals ...	2,893	63,713	2,898	84,760

The above table shows that there has been, during the year, a considerable increase in the area of the land leased for mining in Western Australia. The area leased under the Goldfields and Mining on Private Property Acts is much the same as in 1899, but six leases, comprising an area of 12,020 acres, have been granted under the Sluicing and Dredging Act.

The area held under the Mineral Lands Act shows a large increase, the principal increases being on the Collie Coalfield and the Phillips River Goldfield.

The above table shows the area held under Gold Mining Lease in the various goldfields and goldfield districts and on Crown lands outside proclaimed goldfields. Though the number of leases existing under the Acts relating to gold mining has decreased by forty-eight, the area leased is practically the same.

TABLE 10.

Number and Area of Gold Mining Leases in force on 31st December each year since the Proclamation of each Goldfield and District.

GOLDFIELDS.		DISTRICTS.		1888.		1889.		1890.		1891.		1892.		1893.		1894.		1895.		1896.		1897.		1898.		1899.		1900.		Percentage of Total Area.				
Name.	Proclaimed.	Name.	Proclaimed.	Leases.	Area.	Leases.	Area.	Leases.	Area.	Leases.	Area.	Leases.	Area.	Leases.	Area.	Leases.	Area.	Leases.	Area.	Leases.	Area.	Leases.	Area.	Leases.	Area.	Leases.	Area in Acres.	1899.	1900.					
Kimberley	20-5-1886	...	...	1	25	9	105	22	160	27	192	15	118	6	73	2	13	3	32	3	32	3	32	3	32	3	32	4	38	'08	'11			
Yilgarn	1-10-1888	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pilbarra	1-10-1888	Marble Bar	6-11-1896	...	...	...	...	1	25	1	25	9	88	14	133	69	573	114	1,137	113	1,296	72	773	95	855	34	277	43	379	'76	'05			
Ashburton	11-12-1890	Nullagine	6-11-1896	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Murchison	24-9-1891	Cue	10-1-1896	...	...	...	...	...	...	...	...	12	131	75	650	259	2,160	275	2,563	153	1,580	106	1,111	89	929	78	776	70	678	2'14	1'88			
		Nannine	7-12-1894	...	...	...	...	...	...	...	...	...	...	...	...	42	371	42	371	87	837	76	772	73	752	105	1,119	110	1,266	3'10	3'43			
		Day Dawn	10-1-1896	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	78	820	66	651	63	610	53	503	63	679	1'40	1'88			
		Mt. Magnet	7-12-1894	...	...	...	...	...	...	...	...	...	...	...	...	7	57	75	733	116	1,167	107	1,011	139	1,371	115	1,047	95	906	2'90	2'51			
Dundas	31-8-1893	...	...	...	...	...	...	...	...	...	...	...	...	...	...	19	227	188	2,485	267	3,468	188	2,382	126	1,547	110	1,352	93	1,164	3'74	3'23			
Coolgardie	6-4-1894	Coolgardie	1-9-1897	...	...	...	...	...	...	...	...	...	...	...	...	410	4,843	1,198	15,786	1,403	19,927	417	5,184	299	3,860	272	3,427	212	2,786	9'48	7'73			
E. Coolgardie	1-10-1894	Kunanalling	1-9-1897	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Yalgoo	23-1-1895	...	...	...	...	...	...	...	...	...	...	...	...	...	...	256	3,595	1,639	26,886	385	16,110	665	11,634	491	8,161	393	6,535	382	6,368	18'10	17'68			
N. Coolgardie	28-6-1895	Menzies	20-3-1896	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Ularring	20-3-1896	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Yerilla	20-3-1896	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Niagara	12-3-1897	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
East Murchison	28-6-1895	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
West Pilbarra	1-11-1895	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
N.E. Coolgardie	15-4-1896	Kanowna	13-11-1896	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Bulong	13-11-1896	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Kurnalpi	13-11-1896	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Broad Arrow	20-11-1896	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Peak Hill	1-4-1897	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mount Margaret	1-4-1897	Mt. Margaret	1-4-1897	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Mt. Malcolm	1-4-1897	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Gascoyne	15-4-1897	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Donnybrook	27-11-1899	Crown Lands	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Phillips River	14-9-1900	Donnybrook	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Private Property	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	
Totals	...	...	...	1	25	16	206	60	598	48	483	59	643	159	1,546	1,095	12,265	4,591	65,576	5,831	86,855	3,700	54,539	2,835	39,394	2,609	36,118	2,561	36,024	100'00	100'00			

Seventeen and two-thirds per cent. of the land leased for gold mining is in the East Coolgardie Goldfield, while Mount Margaret follows with 15.27 per cent. The area leased in the North Coolgardie and Coolgardie fields amounts to over 12 per cent. of the total lands leased, and that in the Murchison and North-East Coolgardie fields to 9.70 and 6.29 per cent. respectively.

Taking the land held under Gold Mining Lease, and the gold yield from leases, the average production of gold per acre leased is 41.25oz. The yield per acre leased in the East Coolgardie Goldfield is 115.52oz.

TABLE II.

Number and Area of Mineral Leases in force on 31st December each year since the proclamation of each District and Sub-District.

DISTRICTS.		SUB-DISTRICTS.		1892.		1893.		1894.		1895.		1896.		1897.		1898.		1899.		1900.		Percentage of Total Area leased.	
Name.	Pro-claimed.	Name.	Pro-claimed.	Leases.	Area.	Leases.	Area.	Leases.	Area.	Leases.	Area.	Leases.	Area.	Leases.	Area.	Leases.	Area.	Leases.	Area.	Leases.	Area in Acres.	1899.	1900.
Kimberley	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Ashburton	11-12-90	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Murchison	24-9-91	Cue	7-12-94	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Nannine	7-12-94	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Day Dawn	10-1-96	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Mt. Magnet	7-12-94	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Greenbushes	7-4-92	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pilbarra	16-6-92	Marble Bar	16-6-92	...	...	1	20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Nullagine	6-11-96	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Yalgoo	23-1-95	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Yilgarn	22-3-95	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Coolgardie	22-3-95	Coolgardie	22-3-95	...	...	...	...	...	...	6	85	10	169	15	217	21	259	5	45	3	30	...	...
		Kunanalling	1-9-97	...	...	...	...	...	...	...	...	10	278	26	442	37	495	27	383	35	40	...	...
East Coolgardie	22-3-95	...	...	...	...	...	...	...	...	...	...	10	278	26	442	37	495	27	383	35	360	1.40	...
East Murchison	28-6-95	...	...	...	...	...	...	...	...	...	...	10	278	26	442	37	495	27	383	35	4	...	...
		Menzies	15-4-96	...	...	...	...	...	...	...	...	1	40	...	...	...	...	...	...	...	3	20	...
		Ularring	15-4-96	...	...	...	...	...	...	...	...	1	40	...	...	...	...	...	...	...	2	4	...
		Yerilla	15-4-96	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	80	...
		Niagara	1-3-97	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
West Pilbarra	1-11-95	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Collie	21-2-96	...	...	...	...	...	...	...	...	...	...	5	103	6	145	18	490	16	499	20	551	1.82	1.50
		Kanowna	15-4-96	...	...	...	...	...	...	...	...	43	13,373	81	25,413	64	19,973	71	22,213	98	30,743	81.14	83.73
		Bulong	15-4-96	...	...	...	...	...	...	...	...	1	4	...	...	...	...	...	...	...	2	17	...
		Kurnalpi	15-4-96	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Broad Arrow	20-11-96	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Northampton	1-1-97	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Peak Hill	1-4-97	...	...	...	...	...	...	...	...	...	...	...	...	29	512	41	712	20	313	6	65	1.14	...
Mount Margaret	1-4-97	Mt. Margaret	1-4-97	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Mt. Malcolm	1-4-97	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	26	...
Gascoyne	15-4-97	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	18	374	...
Yandanooka	1-12-97	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Phillips River	1-7-99	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Donnybrook	27-11-99	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Crown Lands	...	Cane River	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Dundas	27-12-95	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	...	...	...	...	...	1	20	...	...	6	85	71	14,003	162	26,833	205	22,500	268	27,337	331	36,716	100.00	100.00

The above table, giving the number and area of mineral leases in force, shows that there has been an increase during 1900, as compared with 1889, of 63 leases,

containing an area of 9,379 acres. Over 81 per cent. of this area is held in the Collie Coalfield, but considerable areas are held in the Greenbushes Mining District and the Phillips River and Pilbarra Goldfields.

TABLE 12.
Number and Area of Mineral Leases in force on 31st December, 1900, showing Minerals for which they are worked.

Minerals.	Yilgarn.		Pilbarra.		Murchison.		Dundas.		Coolgardie.		East Coolgardie.		North Coolgardie.		East Murchison.		West Pilbarra.		North-East Coolgardie.		Collie.		Mount Margaret.		North-ampton.		Yanda-nooka.		Green-bushes.		Phillips River.		Cane River.		TOTAL.							
	Leases.	Area.	Leases.	Area.	Leases.	Area.	Leases.	Area.	Leases.	Area.	Leases.	Area.	Leases.	Area.	Leases.	Area.	Leases.	Area.	Leases.	Area.	Leases.	Area.	Leases.	Area.	Leases.	Area.	Leases.	Area.	Leases.	Area.	Leases.	Area.	Leases.	Area.	Leases.	Area in Acres.						
																																					Marble Bar.	Day Dawn.	Mt. Magnet.	Coolgardie.	Menzies.	Ularring.
Limestone ...	3	30	...	...	...	...	1	6	...	...	...	...	...	...	1	2	1	25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	14	235	
Tin	21	756	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	72	1,935			
Copper	2	10	...	...	...	...	...	...	1	12	1	80	...	...	14	416	...	...	...	...	...	...	...	...	...	...	...	...	...	53	1,670					
Clay (for bricks)	1	12	29	292	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	35	329							
Mica	2	26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	26							
Stone (building)	1	2	5	45	2	8	...	...	...	...	...	2	17	...	...	...	...	...	...	...	...	...	...	...	...	11	76							
Ironstone	1	23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	73							
Silver, Lead, and Copper	2	60						
Silver and Copper	3	69						
Lead and Copper	6	80						
Lead, Copper, and Blend	1	5						
Copper and other Minerals	29	1,410						
Coal	98	30,743	...	...	...	...	...	...	...	...	...	...	98	30,743							
Various Minerals	1	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	5				
Total ...	3	30	21	756	3	15	1	5	1	6	4	40	35	360	3	20	1	80	2	4	20	551	2	17	98	30,743	3	26	18	374	6	65	2	40	51	1,179	53	2,265	4	140	331	36,716

The above table gives the areas leased for mining for various minerals. For coal mining, 30,743 acres are leased; for tin, 1,935 acres; for copper alone, 1,935 acres; and for copper and other minerals, 1,410 acres are leased.

TABLE 13.

Authorised Holdings under the Goldfields Act and Regulations in force on 31st December, 1899 and 1900.

Authorised Holdings.	West Pilbarra.		Donnybrook.		Pilbarra.		Ashburton.		Murchison.		Dundas.		Coolgardie.		East Coolgardie.		Yalgoo.		North Coolgardie.		East Murchison.	
	1899.	1900.	1899.	1900.	1899.	1900.	1899.	1900.	1899.	1900.	1899.	1900.	1899.	1900.	1899.	1900.	1899.	1900.	1899.	1900.	1899.	1900.
Water Rights ...	...	...	...	...	10	17	3	3	69	77	48	42	70	65	81	93	4	4	129	132	21	30
Area of Water Rights ...	...	...	...	...	7	21	3	3	164	186	450	366	330	335	2,143	2,201	4	4	4,622	3,738	29	46
Quartz Claims ...	1	...	...	...	63	77	5	5	135	144	26	26	44	47	2	5	13	15	32	32	32	22
Alluvial „ ...	...	...	...	...	...	...	...	...	5	7	3	3	...	...	8	9	...	...	5	2	3	3
Protection Areas ...	5	2	22	24	35	67	...	...	103	150	3	11	23	19	18	18	28	21	43	45	99	110
Residence „ ...	14	9	...	...	83	118	...	...	131	143	55	64	68	68	1,355	1,111	132	105	295	295	62	63
Business „ ...	14	11	...	...	20	38	1	1	88	96	24	39	126	136	63	66	22	28	195	184	29	21
Machine „ ...	3	1	1	1	15	21	...	...	11	8	6	6	17	19	11	15	6	5	7	6	6	7
Tailings „ ...	...	...	...	...	5	5	...	...	14	13	3	3	12	13	3	3	3	2	3	4	6	6
Garden „ ...	1	...	...	...	9	13	...	...	22	20	...	1	5	10	39	40	3	1	3	4	18	18
Tunnelling „ ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...
Poultry Farms ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	37	71	...	...	...	...	...	...

Authorised Holdings.	N.E. Coolgardie.		Broad Arrow.		Peak Hill.		Mt. Margaret.		Yilgarn.		Kimberley.		Gascoyne.		Phillips River.		Crown Lands.		Total.	
	1899.	1900.	1899.	1900.	1899.	1900.	1899.	1900.	1899.	1900.	1899.	1900.	1899.	1900.	1899.	1900.	1899.	1900.	1899.	1900.
Water Rights ...	39	41	8	12	6	6	28	91	17	17	...	...	...	...	8	...	...	...	533.	638
Area of Water Rights...	269	104	39	55	35	138	147	935	52	52	...	...	...	...	29	...	...	...	8,294	8,213
Quartz Claims ...	46	43	24	25	2	2	30	53	...	...	...	...	...	...	...	...	...	...	455	496
Alluvial „ ...	254	239	19	15	1	2	...	3	...	...	...	...	...	...	...	...	...	...	298	283
Protection Areas ...	64	86	22	32	5	3	49	54	...	...	...	...	...	...	1	...	183	...	519	826
Residence „ ...	79	80	1	2	4	38	62	106	24	41	2	2	...	...	16	...	...	...	2,367	2,261
Business „ ...	51	53	13	8	5	19	57	138	10	20	3	3	...	...	51	...	...	...	721	912
Machine „ ...	22	18	1	1	...	1	...	10	3	...	3	3	...	...	...	...	...	...	112	122
Tailings „ ...	7	6	3	2	1	1	4	...	6	11	...	...	...	...	...	...	...	...	70	69
Garden „ ...	2	3	...	2	2	5	6	19	3	6	1	2	...	...	...	...	...	...	114	144
Tunnelling „ ...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	4	1
Poultry Farms ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	37	71

TABLE 14.

Authorised Holdings under the Mineral Lands Act and Regulations in force on 31st December, 1899 and 1900.

Holdings.	Collie.		West Pilbarra.		Greenbushes.		Pilbarra.		Asburton.		East Coolgardie.		North-East Coolgardie.		Northampton.		Phillips River.		Mt. Margaret.		Broad Arrow.		Crown Lands.		Totals.	
	1899.	1900.	1899.	1900.	1899.	1900.	1899.	1900.	1899.	1900.	1899.	1900.	1899.	1900.	1899.	1900.	1899.	1900.	1899.	1900.	1899.	1900.	1899.	1900.	1899.	1900.
Water Rights	2	...	69	61	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	72	62
Area of Water Rights	6	...	19	14	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	27	16
Lode Claims	4	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	5
Alluvial Claims	299	262	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	299	263
Reward Claims	1	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	1	2
Prospecting Areas	4	1	4	...	2	1	2	2	1	...	1	2	4	...	...	5	...	1	...	1	...	6	18	19
Residence Areas	6	6	221	132	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	227	138
Business Areas	2	4	28	1	...	...	...	...	...	...	...	...	...	...	10	...	...	...	...	...	...	...	30	15
Machinery Areas	4	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	5
Tailings Areas	4	4	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6	4
Garden Areas	1	1	1	1	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	3
Washing Areas	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	1

TABLE 14A.

Miners' Rights, Mining, Business, and Quarrying Licenses issued during 1899 and 1900.

PLACE OF ISSUR.	GOLDFIELDS ACT.						MINERAL LANDS ACT.							
	Miners' Rights.		Consolidated M.Rs.		Business Licenses.		Mining Licenses.		Consolidated M.Ls.		Quarry Licenses.		Business Licenses.	
	1899.	1900.	1899.	1900.	1899.	1900.	1899.	1900.	1899.	1900.	1899.	1900.	1899.	1900.
Coolgardie	838	528	...	...	12	15	9	5	...	...	...	...	...	...
Yalgoo	133	85	...	...	11	16	5	4	...	...	1	2	...	...
Broad Arrow	655	435	...	...	7	2	2	4	...	...	...	1	...	...
Mount Margaret	952	792	...	...	121	102	7	52	...	...	...	4	...	...
North Coolgardie	905	956	...	...	76	187	1	6	...	...	2	5	...	...
East Coolgardie	2,826	1,839	11	3	24	27	46	47	...	...	...	...	...	...
Northampton ... ..	...	...	...	...	...	...	50	13	...	...	...	...	...	...
Greenbushes	3	...	...	...	...	...	988	330	...	...	4	...	28	1
Collie ... ..	...	15	...	...	...	...	5	14	...	...	...	...	...	...
East Murchison	370	285	...	...	8	11	...	...	...	...	17	1	...	...
Pilbarra	430	352	...	...	23	21	103	140	...	1	...	...	...	...
Peak Hill	168	165	...	...	13	18	...	...	...	...	...	...	...	...
Dundas	305	265	...	...	14	31	2	5	...	...	...	...	...	...
Donnybrook	199	52	...	...	...	...	4	6	...	...	...	...	...	...
Ashburton	45	20	...	...	3	5	8	6	...	...	...	...	...	...
Murchison	1,019	808	...	...	72	47	9	13	...	...	12	14	...	...
Kimberley	28	16	...	...	1	1	14	...	...	...	...	...	2	...
Phillips River	3	145	...	...	...	47	...	178	...	...	...	...	...	20
Yilgarn	133	125	...	...	12	14	...	7	...	...	...	...	...	...
North-East Coolgardie	1,574	650	...	...	31	9	5	2	...	...	1	...	...	...
Busselton	23	21	...	...	...	...	...	...	...	...	...	...	...	...
Derby	8	3	...	...	...	...	...	...	...	...	...	...	...	...
Esperance	26	19	...	...	...	...	17	36	...	...	...	...	...	...
Albany	36	9	...	...	...	...	40	3	...	...	...	...	...	...
Northam ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Bunbury	185	15	...	...	...	...	7	...	...	...	4	15	...	...
Geraldton	14	2	...	...	...	...	3	1	...	...	2	...	...	...
West Pilbarra	121	56	...	...	14	11	47	32	...	...	...	...	1	4
Head Office	286	136	...	1	2	...	203	54	...	...	...	...	1	...
Gascoyne ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Carnarvon ... ..	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Newcastle ... ..	...	3	...	...	...	...	...	...	...	...	...	...	...	...
York ... ..	...	...	...	...	...	...	...	1	...	...	...	...	...	...
Katanning ... ..	...	3	...	...	...	...	...	...	...	...	...	...	...	...
Williams ... ..	...	2	...	...	...	...	...	...	...	...	...	...	...	...
TOTAL	11,285	7,792	11	4	444	564	1,575	959	...	1	43	42	32	25

The above table shows various rights and licenses held under the Mining Acts. It will be noticed that there has been a great falling off in the number of miners' rights taken out during 1900 as compared with 1899, and the same remark applies to the mining licenses. This is due in a great measure to the decrease in the number of men mining for alluvial.

PART IV.—MEN EMPLOYED.

The total average number of men engaged in mining in Western Australia during the year 1900 was 21,374; being a decrease of 677 men as compared with the number corresponding in 1899. The falling off is accounted for in the decrease in the number of alluvial gold workers, which amounts to 1,281; the increase in the number of men employed in mines being 604. As the year 1899 showed a large decrease in the number of alluvial workers on the North-East Coolgardie Goldfield, so the year 1900 shows a very large decrease as compared with 1899. No alluvial discoveries of any importance were made, and the old leads became either worked out or proved unworkable by men unassisted by capital, as the deeper and wetter ground was encountered.

TABLE 15.

Average Number of Men employed at Mines for the Year 1900.

Description of Mineral.	Above ground.	Under ground.	Total.	Percentage of total number.	Comparison of total number employed with that of year 1899.
Black Tin	*296	59	355	2.00	— 343
Coal	104	296	400	2.26	+ 208
Copper Ore	120	90	210	1.18	+ 63
Diamonds	5	...	5	0.03	+ 5
Gold	8,150	8,597	16,747	94.43	+ 667
Lead Ore	4	4	8	0.04	— 6
Limestone	10	...	10	0.06	+ 10
Total	8,689	9,046	17,735	100.00	+ 604

* As the tin obtained is principally "stream tin," the average number of alluvial workers (179) has been included under the heading "Above ground."

The above table shows that 604 more men were employed in mines during 1900 than in 1899. In gold mines, the increase in the number of men employed was 667, and in collieries 208. A large decrease appears in the number of men employed in raising tin, a smaller number being employed on the Greenbushes Tinfield.

TABLE 16.

Average Number of Men employed at Gold Mines during the year 1900, classified according to the Goldfields of the Colony, together with the proportion of Men employed on each Goldfield:

Goldfield.	Above ground.	Under ground.	Total.	Comparison with Year 1899.	Percentage of Total No. of Men employed.	
					1899.	1900.
1. Kimberley ...	3	4	7	— 5	0.07	0.04
2. Pilbarra ...	60	51	111	— 129	1.49	0.66
3. West Pilbarra ...	32	20	52	+ 4	0.30	0.31
4. Ashburton ...	...	...	...	— 6	0.04	...
5. Gascoyne ...	...	...	...	— 4	0.02	...
6. Peak Hill ...	130	224	354	+ 5	2.17	2.11
7. East Murchison	460	413	873	+ 323	3.42	5.21
8. Murchison ...	685	756	1,441	+ 49	8.66	8.60
9. Yalgoo ...	89	137	226	— 94	1.99	1.35
10. Mt. Margaret ...	885	966	1,851	+ 536	8.18	11.05
11. North Coolgardie	693	817	1,510	— 63	9.78	9.02
12. Broad Arrow ...	287	359	646	— 236	5.48	3.86
13. N.E. Coolgardie	351	509	860	+ 142	4.47	5.14
14. East Coolgardie	3,154	2,749	5,903	+ 793	31.78	35.25
15. Coolgardie ...	798	954	1,752	— 808	15.92	10.46
16. Yilgarn ...	258	239	497	+ 95	2.50	2.97
17. Dundas ...	206	320	526	— 21	3.41	3.14
18. Phillips River ...	22	36	58	+ 58	...	0.35
19. Donnybrook ...	37	43	80	+ 28	0.32	0.48
Totals ...	8,150	8,597	16,747	+ 667	100.00	100.00

It will be seen from the above table that the East Coolgardie Goldfield still continues to employ a larger number of men than any other goldfield, and that their numbers have increased by 793 during the year. Substantial increases appear in the Mt. Margaret, East Murchison, and North-East Coolgardie Goldfields, the greatest falling off being in the Coolgardie field, where the average number of men employed during 1900 decreased by 808 as compared with the previous year.

TABLE 17.

Alluvial (Gold) Workers.

Goldfield.	1899.	1900.	Comparison with year 1899.
1. Kimberley	40	27	— 13
2. Pilbarra	170	177	+ 7
3. West Pilbarra	68	65	— 3
4. Ashburton	55	59	+ 4
5. Gascoyne ... ..	...	12	+ 12
6. Peak Hill ... ..	...	13	+ 13
7. East Murchison	50	99	+ 49
8. Murchison	91	188	+ 97
9. Yalgoo	20	6	— 14
10. Mt. Margaret	60	60	=
11. North Coolgardie	61	146	+ 85
12. Broad Arrow	390	134	— 256
13. North-East Coolgardie	2,235	775	— 1,460
14. East Coolgardie	1,500	1,500	=
15. Coolgardie	130	300	+ 170
16. Yilgarn	10	13	+ 3
17. Dundas	40	50	+ 10
18. Phillips River ... ..	...	...	...
19. Donnybrook ... ..	...	15	+ 15
Totals	4,920	3,639	— 1,281

It is of necessity almost impossible to accurately ascertain the number of alluvial workers that are scattered through the goldfields, and the above figures must be considered as only approximately correct. No finds of importance have been made during the year, and a large falling off in the number of alluvial workers is the consequence.

TABLE 18.

Average Ruling Rate of Wages per week on the different Goldfields, Mining Districts, and Coalfield of the Colony during 1900.

Goldfields, Mining Districts, and Coalfield.	Miners, above ground.	Miners, under ground.	Miners, wet ground.	Engine drivers.	Mechanics.	Carpenters.	Labourers.
GOLDFIELDS.							
1. Kimberley	£ s. d. 4 0 0	£ s. d. 4 0 0	£ s. d. 4 0 0	£ s. d. 4 10 0	£ s. d. 4 10 0	£ s. d. 4 10 0	£ s. d. 4 0 0
2. Pilbarra	4 0 0	4 0 0	4 10 0	4 10 0	5 0 0	5 0 0	4 0 0
3. West Pilbarra	3 0 0	3 10 0	4 0 0	4 0 0	4 0 0	4 0 0	3 0 0
4. Ashburton	4 0 0	4 0 0	...	...	...	...	3 10 0
5. Gascoyne	4 0 0	4 0 0	...	...	...	...	3 10 0
6. Peak Hill	3 10 0	4 0 0	...	4 10 0	4 10 0	4 10 0	3 10 0
7. East Murchison	3 10 0	4 0 0	4 10 0	4 10 0	5 0 0	4 10 0	3 10 0
8. Murchison	3 5 0	3 15 0	4 0 0	4 0 0	4 0 0	4 0 0	3 0 0
9. Yalgoo	3 0 0	3 10 0	4 0 0	4 0 0	4 0 0	4 0 0	3 0 0
10. Mt. Margaret	3 10 0	4 0 0	4 10 0	4 10 0	4 10 0	4 10 0	3 10 0
11. North Coolgardie	3 8 6	3 17 6	4 5 0	4 7 6	5 0 0	4 7 6	3 8 6
12. Broad Arrow	3 10 0	3 15 0	4 0 0	4 0 0	4 10 0	4 10 0	3 10 0
13. North-East Coolgardie	3 10 0	3 15 0	4 0 0	5 5 0	5 0 0	5 0 0	3 3 0
14. East Coolgardie	3 10 0	4 0 0	4 15 0	3 15 0	4 10 0	4 10 0	3 0 0
15. Coolgardie	3 5 0	3 10 0	4 0 0	4 0 0	4 0 0	4 0 0	3 5 0
16. Yilgarn	2 14 0	3 0 0	3 15 0	3 15 0	3 15 0	3 15 0	2 4 0
17. Dundas	3 5 0	3 15 0	4 0 0	4 0 0	4 10 0	4 0 0	3 5 0
18. Phillips River	3 0 0	3 10 0	4 0 0	4 0 0	4 0 0	4 0 0	3 0 0
19. Donnybrook	3 0 0	3 10 0	3 10 0	4 0 0	3 10 0	3 10 0	3 0 0
MINING DISTRICTS.							
20. Northampton and Yan- danooka	2 10 0	2 15 0	3 5 0	2 15 0	3 15 0	3 5 0	2 5 0
21. Greenbushes	2 8 0	2 8 0	2 14 0	3 6 0	...	3 6 0	2 8 0
COALFIELD.							
22. Collie	2 11 0	4 8 0	...	3 0 0	3 6 0	3 6 0	2 11 0

PART V.—ACCIDENTS.

TABLE 19.

Number of Deaths from Accidents in 1900, and the Death Rate per 1,000 Men employed, and per 1,000 Tons of Gold Ore raised in Mines in the different Goldfields during the Years 1899 and 1900.

Goldfield.	Number of Deaths.			Death Rate from Accidents per 1,000 Men employed.				Number of Deaths per 1,000 tons of Gold Ore Raised.	
	1900.			1900.			1899.	1900.	1899.
	Above ground.	Under ground.	Total.	Above ground.	Under ground.	Total.	Total.		
1. Kimberley ... ..	...	...	...	...	...	...	...	...	...
2. Pilbarra ... ..	...	...	...	...	...	...	4·16	...	·13
3. West Pilbarra ... ..	...	...	...	...	...	...	...	...	...
4. Ashburton ... ..	...	...	...	...	...	...	...	...	...
5. Gascoyne ... ..	...	...	...	...	...	...	...	...	...
6. Peak Hill ... ..	...	...	...	...	...	...	...	...	...
7. East Murchison ... ..	...	...	...	...	...	...	1·81	...	·02
8. Murchison ... ..	...	3	3	...	3·96	2·08	2·15	·03	·04
9. Yalgoo ... ..	...	...	...	...	...	...	12·50	...	·22
10. Mt. Margaret	1	3	4	1·13	3·10	2·16	4·56	·03	·08
11. North Coolgardie ... ..	...	8	8	...	9·79	5·29	1·27	·09	·02
12. Broad Arrow	1	4	5	3·48	1·11	7·74	3·40	·07	·05
13. North-East Coolgardie	1	3	4	2·85	5·89	4·65	4·17	·05	·03
14. East Coolgardie	5	9	14	1·58	3·27	2·37	2·73	·03	·03
15. Coolgardie	1	3	4	1·25	3·14	2·28	1·95	·03	·03
16. Yilgarn ... ..	...	1	1	...	4·18	2·01	4·97	·02	·06
17. Dundas ... ..	...	1	1	...	3·12	1·90	...	·02	...
18. Phillips River ... ..	...	...	...	...	...	...	...	...	...
19. Donnybrook ... ..	...	1	1	...	2·32	12·50	...	2·77	...
Totals and Averages	9	36	45	1·10	4·18	2·68	2·73	·03	·04

From the above table it will be seen that the death rate of 2·68 per thousand men employed above and underground is somewhat lower than last year, though the number of deaths for the year is the same as that for 1899, viz., 45.

The deaths from accidents with explosives have decreased by nine, while increases appear under the headings of falls of earth, two; accidents in shafts, one; miscellaneous underground, four; and on surface, two.

The number of non-fatal accidents has unfortunately increased from 101 in 1899 to 134 in 1900.

Accidents from explosives show a decrease of seven as compared with those in the year 1899, while the increases under other headings are—falls of ground, one; in shafts, 13; miscellaneous, 14; and on surface, 12.

Mining accidents are unfortunately inevitable, but their number may be materially reduced by systematic mine inspection by Government Inspectors; more care on the part of the management in periodically testing all safety appliances, and insisting on the timber supplied being freely used; and, above all, by more care on the part of the miners employed. The number of accidents in which the result of inquiries has been to show that carelessness on the part of the men employed has caused the accident is not decreasing.

During the year several accidents have occurred through the breaking of wire ropes, and in nearly every case no adequate reason seems to have been advanced to account for the rope breaking, the general conclusion being that rapid corrosion, caused by the highly mineralised water in the shaft, must have taken place. In the inquest on an accident in the Great Fingall mine at Day Dawn, when the rope broke and the cage crushed a man working at the bottom of a deep shaft, the evidence was to the effect that the rope in use was substituted only a fortnight previously for one that had been condemned, the rope practically a new one, being a $\frac{3}{4}$ -inch wire rope, weighing 5 to $5\frac{1}{2}$ lbs. per fathom, with a breaking strain of 18 tons. The rope was only called upon to lift about 15 cwt. from the 90-ft. level, and though to all outward appearance sound, corrosive action seems to have been set up in spite of the usual precautions being taken.

A somewhat similar accident occurred at the North Star mine, Mt. Margaret Goldfield, when two miners working in the shaft lost their lives through the rope breaking and the cage falling on them. In this case, also, the result of the inquest went to show that the action of some chemical in the water had set up corrosion in the rope.

In an incline shaft on the Cumberland mine Niagara, a man lost his life through the breaking of a $\frac{5}{8}$ -inch wire rope, which to all appearance was sound but must have been corroded by the action of the water in the shaft.

A non-fatal accident also occurred at the Mulwarrie East mine through the breaking of a wire rope, the breaking strain of which was $4\frac{1}{2}$ tons, and in this case, too, the strands appear to have been rendered brittle by the action of the water.

A most regrettable accident happened during the year to William Tree, the manager of the Yerilla Government battery, who was examining a shaft at Edjudina. The unfortunate man was being drawn up from the bottom of a prospecting shaft when he fell from the bucket and was killed. It was supposed that Mr. Tree was suffering from heart disease, and that sudden faintness caused him to relax his hold on the rope.

At the Cosmopolitan mine, Niagara, three men lost their lives through inhaling the fumes from burning dynamite, the evidence going to show that the holes were overcharged, and the explosion of the dynamite imperfect. The deceased men had a contract for sinking the shaft, and though warned by the underground manager to come up, elected to take the risk.

The only fatal accident in connection with a battery occurred at Norton's battery, at Kanowna; a man's clothes having become caught in some way by the shaft, he was whirled round and round and horribly mangled.

The systematic inspection of mines has been carried out during the year by the eight Inspectors of Mines attached to this department, and I am convinced that all these officers are fully aware of the responsibility of their positions, and make every effort to visit the various mines as frequently and make their inspections as thorough as possible. In the majority of cases, especially in the larger mines, their instructions and suggestions for the safe working of the mines are unhesitatingly complied with. I consider, however, that too much of the Inspector's time is taken up with the inspection of boilers, and some means must be devised to obviate this. The appointment of a departmental engineer, who could also act as Chief Inspector of Mines, is also most desirable, and I trust that provision will be made on the Estimates for the salary of such an officer during the coming financial year.

PART VI.—ENGINE-DRIVERS' EXAMINATIONS.

The provisions of the Mines Regulation Amendment Act, 1899, as regards engine-drivers' examinations, have been in force during the year, and have been found to work satisfactorily. The provisions made for issuing second class certificates (entitling the holder to drive any engine but a winding engine) have justified themselves, and 269 of these have been issued during the year.

Learners' Permits to the number of 92 have also been issued. These documents entitle the holder to become a learner under a certificated engine-driver engaged in driving any engine other than a winding engine.

During the year an effort has been made to attain a more uniform standard of examination, and with this object the Chief Inspector of Boilers was appointed chairman of the examining boards at Perth, Collie, and at all the centres on the Eastern Goldfields where examinations are held. There is every reason to suppose that the appointment of a travelling chairman will have the desired effect.

Three engine-drivers charged with offences against the Act have been brought before various boards during the year, and in each case their certificates were temporarily suspended for various periods.

TABLE 20.

Showing the Number of Examinations for Learner's Permits and Certificates of Competency and Service held by the several Local Boards on the Goldfields and in Perth, with details of the several Classes of Certificates issued during the Year 1900.

Goldfield.	Place of Examination.	Number of Examinations for Learner's Permits, and Certificates of Competency and Service.	Learner's Permits.	CERTIFICATES ISSUED.													
				COMPETENCY.						SERVICE.							
				Interim.		Second Class.	First Class.	First in exchange for Second.	Copies.	Second Class.	First Class.	First in exchange for Second.	Copies.				
				Second Class.	First Class.												
Peak Hill	Peak Hill	1	1	...	...	2	...	...	...	...	...	...	...	...	...	...	...
East Murchison	Lawlers	1	...	...	...	8	2	...	...	...	1	...	...	...	...	...	...
Do.	Mt. Sir Samuel	1	...	...	...	4	...	...	...	...	2	...	...	...	...	...	...
Do.	Wiluna (Lake Way)	1	2	...	...	8	3	...	...	...	3	...	...	...	...	...	...
Murchison	Cue	2	13	1	1	42	9	1	...	4	...	1	...	...	...	...	1
Do.	Nannine	1	2	...	...	12	1	...	...	...	2	1	...	...	...	...	...
Do.	Mt. Magnet	3	11	...	...	14	3	1	...	...	...	1	...	...	...	...	...
Yalgoo	Rothesay	2	...	...	...	2	5	...	...	...	...	1	...	...	...	...	...
Do.	Yalgoo	1	...	...	...	2	1	...	...	...	...	...	...	...	...	...	...
Mt. Margaret	Mt. Malcolm	1	3	2	1	17	2	...	...	1	...	1	...	...	...	...	...
North Coolgardie	Menzies	2	18	2	...	14	...	...	...	3	3	1	...	...	...	...	...
North-East Coolgardie	Kanowna	2	13	...	...	28	5	...	...	3	1	1	...	...	...	...	2
East Coolgardie	Kalgoorlie	7	3	3	21	37	13	...	...	2	8	31	...	...	...	...	6
Coolgardie	Coolgardie	4	9	...	...	15	2	1	...	1	...	4	...	...	...	...	...
Yilgarn	Southern Cross	1	6	...	...	2	1	...	...	...	...	...	...	...	...	...	...
Dundas	Norseman	2	3	...	...	19	4	...	...	...	1	...	...	...	...	...	...
	Colliefields	1	5	...	...	9	...	...	...	...	...	...	...	...	...	...	...
	Perth (Head Office)	17	3	...	...	13	7	...	...	2	...	2	...	...	...	...	2
	Totals	50	92	8	23	248	58	3	16	21	44	...	...	...	...	...	11

PART VII.—MINING STATISTICS.

In the Appendix will be found the usual statistics relating to the mineral production of the State. Every effort has been made by the Statist to make these as complete as possible, and it will be found that in some respects the information is more detailed than last year. The returns of the production of each mine of which the department has knowledge are given, and this information should prove of considerable value to investors. It has been found impossible to obtain returns of the gold from all sources, the gold not reported being principally obtained from alluvial workings and small quartz holdings.

In addition to the returns for gold mines, returns from those working for minerals other than gold are given, and also statistics relating to accidents, etc.

PART VIII.—PUBLIC BATTERIES.

The erection of Public Batteries by the Government, a system which was inaugurated in the year 1898, has had a fair trial, and though, so far, it cannot be considered a financial success, there can be no doubt that it has proved of immense assistance to the prospector. The loss on the working of the batteries, added to the interest on loan funds spent on their erection, together with the depreciation in value of the batteries themselves, can only be considered a direct assistance to prospectors, and it is for the Government to consider whether it is prepared to continue to render such assistance in the future. It has repeatedly been urged that the State aid should be given to prospectors, apart from any rewards that may be given for the discovery of new goldfields, but so far no thoroughly satisfactory scheme for giving it has been devised. Presuming that the general principle is affirmed, probably the system open to fewest objections is the Public Battery system, as under it prospectors having done a certain amount of work on properties in a district unprovided with crushing facilities can have the value of their reefs proved, and at the same time obtain funds for further development work.

As a general rule, I submit that batteries erected by the Government should be considered rather as erected for the purposes of enabling prospectors to test their properties, and giving the investing public an opportunity of judging of the value of a district, than as permanent ore-reducing works; and if this is admitted, it follows that no battery should be erected by the Government in a district where reasonable crushing facilities exist, and that, as a rule, once a plant is erected it should not be enlarged unless under very exceptional circumstances, for in either case funds are tied up which might provide batteries in districts entirely without them.

The loss on the working of batteries hitherto is regrettable, and until the mining public recognise that a battery is erected for crushing, and not for ornamental purposes, and that if it is not kept fairly supplied with stone the Government have no option but to remove it, there is every probability of the loss being continued. The owner of a private battery can vary his charges to suit different kinds of stone and in accordance with the size of the parcels, and he can close down his battery at intervals when the supply of stone is insufficient, and allow it to accumulate, and unless Government batteries are run on somewhat similar lines to private batteries in the above respects, it is rather too much to hope that the expenditure and revenue will balance.

The loan expenditure for the year 1900, as shown by the Treasury books, is £20,770 12s. 7d., and the total loan expenditure from the inception of the system to the same date is £80,508 16s. 10d. The total loss on upkeep and working expenses

for the year 1900, including cost of superintendence and management, is £7,611 4s. 8d., while the total loss from the inception of the system is £12,871 3s. 4d. This means that the Government has lost slightly over six shillings on every ton crushed to the end of the year, in addition to providing interest on account of loan moneys.

Due allowance must be made for the fact that, in starting a number of batteries with untried staffs, expenditure must be necessarily high, and many difficulties impossible to foresee have arisen; but, while the batteries have not been instituted by the Government with a view of making large profits, but rather as an assistance to prospectors, yet these results cannot be considered satisfactory, and steps should be taken to ensure, if not a profit, a very much smaller loss in the future.

A detailed report by the Superintendent of Public Batteries will be found with this report, and with it are tables giving various information as to the different batteries.

PART IX.—INSPECTION UNDER THE STEAM BOILERS ACT.

As will be seen from the report of the Chief Inspector of Boilers, the number of boilers registered on the 31st December, 1900, was 2,207, as against 1,486 at the end of 1899. During the year 1,740 boilers were inspected once, and 813 twice.

Boiler inspection in this State is somewhat expensive work, owing to the great distances that inspectors have to travel to make inspections. True, the work of boiler inspection on the goldfields has hitherto been performed by the Inspectors of Mines, who have combined it with their work of mine inspection, but this is a system that can only be recommended on the score of economy, as an Inspector of Mines should be absolutely free to devote himself to the work of mine inspection. Should it be found impossible to provide funds for separate inspectors for boilers on the goldfields, it should be a matter for serious consideration whether some other arrangements cannot be made for the inspection of these boilers. A boiler inspector has been appointed for the East Coolgardie Goldfield, and the Inspector of Mines has been set at liberty to carry out mine inspection only. As the Inspector of Boilers for this field has little travelling to do, his appointment did not involve much extra expenditure.

PART X.—EXISTING LEGISLATION.

The following are the Acts and Regulations now in force relating to mining:—

1. The Goldfields Act, 1895, and Regulations thereunder.
2. The Goldfields Act Amendment Act, 1896.
3. The Goldfields Act Amendment Act, 1898, and Regulations thereunder.
4. The Mining on Private Property Act, 1898, and Regulations thereunder.
5. The Sluicing and Dredging for Gold Act, 1899, and Regulations thereunder.
6. The Mineral Lands Act, 1892, and Regulations thereunder.
7. The Mineral Lands Act Amendment Act, 1899.
8. The Mines Regulation Act, 1895.
9. The Mines Regulation Act Amendment Act, 1899, and Regulations thereunder.
10. Sunday Labour on Mines Act.
11. Goldfields Act Amendment Act, 1900, and Regulations thereunder.

The first ten Acts mentioned above were referred to in last year's report, and the last is the only Act passed during 1900, some of its provisions being of much importance. The first twenty-four sections contain provisions for granting holdings, known as Miners' Homesteads. The provisions are much the same as under the Queensland Act, and afford facilities for those desiring to acquire land for farming or small grazing areas, to obtain it under perpetual lease at a small rental for the first 20 years. The maximum area that can be applied for by any one person in a goldfield is 500 acres, but any smaller area can be granted, and can be used for residence and industrial purposes. The rent payable for areas under 20 acres is two shillings per acre, and for larger areas sixpence, payable for the first 20 years of the lease. The land is practically freehold, except where gold is found to exist thereon, and in that case any miner may enter and apply and take up any portion of the land as if it were unoccupied Crown land; provided that should he be likely to do any damage, the Warden may call on him to deposit a sum of money, which, in the event of injury to improvements, shall be paid to the Homestead lessee. No compensation is payable for the value of the land. Sections 25 to 49 of the Act provide for the amendment of certain sections in previous Acts.

Section 50, dealing with the issue of Gold Dealers' Licenses, is a most important section of the Act. Under the Goldfields Act Amendment Act, 1898, it was made incumbent on all gold buyers and dealers to take out a license, but any person could obtain one on application to the Under Secretary for Mines, who was unable to refuse one, even to a person known to carry on illicit gold buying. The consequence was that the possession of a gold dealer's license was no guarantee that the holder was a person of any repute, and in many cases it was an open secret that the holder of a license was nothing but a receiver of stolen goods.

Under the present Act licenses are granted by a Warden or Magistrate in open Court, after due notice has been given by the applicant of his intention to apply. Any person may object to the issue of a license, and it is in the absolute discretion of the Warden or Magistrate to grant or withhold it.

The penalty for gold buying without a license is a fine not exceeding One hundred pounds, or imprisonment for not more than three months.

Though these provisions will not stop gold stealing and illicit gold buying they should, at least, ensure the holder of a license being a person of good repute, and not unfavourably known to the police.

Various amendments have been made in the goldfields regulations during the year, and I may call attention to the one relating to Reward Leases. It often happens that a prospector coming in to take up a lease on a new find finds himself short of ready money, and has to give away a large interest in his discovery to anyone who will find the necessary funds. This regulation provides that in certain cases an applicant for a lease in a new locality can, by paying a fee of ten shillings, secure a lease free of other payments for the first twelve months, the only condition being that he must work the lease, and in the event of his transferring it for valuable consideration he must pay the rent and survey fee.

PART XI.—REMARKS ON VARIOUS GOLDFIELDS AND MINING DISTRICTS.

EAST COOLGARDIE.

It must be conceded that the output of this field for 1899 was not a normal one, and that it was unduly inflated by the forced outputs from several mines, but there seems to be no reason why, provided companies exercise due foresight in the development of the mines, and in providing plants for treating ore on a large scale, the present output of this goldfield should not be fairly maintained for some time to come, notwithstanding the probable falling off in the grade of the ore.

The yield for the year 1900 is 737,971oz., which, as compared with that of the previous year, shows a falling off of about 14 per cent. Nevertheless the field has produced $48\frac{3}{4}$ per cent. of the total yield of the State, as reported to this department, and almost as much as the combined yields of New South Wales, New Zealand, South Australia, and the Northern Territory.

Despite the marked decrease, the prospects of the field are good. Of the 15 principal producing mines only five show decreased yields, amounting, in all, to 240,015oz., and as the total decrease for the year is 117,434oz., it will be seen that the yield of the larger number of mines has substantially increased. The falling off in the output of one mine alone, the Lake View Consols, was 137,003oz., which more than accounts for the shrinkage in the output of the goldfield.

The average per ton of ore treated during 1900 is 1.49oz. per ton, against 1.83oz. in 1899.

During the year dividends to the amount of £1,167,441 were paid.

The value of machinery is given as £1,077,557, as against £566,426 in 1899.

The reserves of oxidised ore in the mines having been much diminished during the year 1899, attention has been turned to the perfecting of processes for economically treating the sulphide ores. Marked progress has been made in this direction, and costs of treatment are being gradually reduced. The developments in many of the lower levels of the mines are most satisfactory, both as to the size and value of the lodes.

A geological survey of the main Kalgoorlie belt has been in progress during the year, and detailed geological maps should shortly be issued by the Geological Department.

Outside the main Kalgoorlie belt but little mining has been done, though a few leases have been worked at Boorara and Feysville.

In the Appendix to this report will be found a description of the various plants for ore treatment in use on this goldfield.

COOLGARDIE.

The output of this field for 1899 showed a substantial increase over that for 1898, but I regret to say that the increase was not maintained, and the yield for 1900 shows a falling off, as compared with 1899, of 28,844oz.

The number of men employed has also decreased by 808 during the year, but the number of ounces of gold produced per man employed has increased from 48.07oz. in 1899 to 57.34oz. in 1900.

In the Burbanks district the development of the mines has proceeded satisfactorily; and the output of the Birthday Gift, the principal mine, has increased during the year by over a thousand ounces.

In the Bonnievale district work has not been carried on with much vigour, several of the principal mines being under long periods of exemption, but the Vale of Coolgardie mine has had a successful year, and shows an increased output of over 1,500oz.

In the country lying between Kunanalling and Siberia a considerable amount of mining has been going on, and developments warrant the hope that a prosperous future awaits this district.

DUNDAS.

Though the yield of 41,084oz. from this goldfield shows a decrease of about seven per cent., as compared with that for 1899, the outlook is promising. The average yield per ton of ore treated has been more than maintained, it being .83oz., as against .74oz. in 1899. In the remoter mining centres of this field, the Peninsula, Buldania, and Dundas, there has been but little work done during the year, but around the Norseman and at the Princess Royal much genuine work has been done.

The Norseman Gold Mine has rather more than maintained its output, while that of the Break o' Day mine has been substantially increased, the Lady Mary mine being the only one showing a serious falling off. The Princess Royal mine has increased its output from 11,748oz. in 1899 to 18,464oz. in 1900.

A little alluvial mining has been done during the year, with fair results to the prospectors.

MOUNT MARGARET.

Of all the goldfields in the State the Mount Margaret field shows the greatest advance during the year. In 1899 it produced about five per cent. of the total reported yield of the State, while in 1900 its production of 145,689oz. amounted to 9.62 per cent. of the yield, the average per ton of ore treated being 1.09oz., as against 1.04oz. for the previous year. The number of men employed shows an increase of 536, as compared with the total for 1899, while the average number of ounces of gold per man employed rose from 60.05oz. in 1899 to 78.02oz. in 1900.

The progress of this field is most satisfactory considering the high transport charges and the fact of good mining timber being so scarce. With the completion of the railway in course of construction to Leonora, mining costs should be capable of much reduction, and a general increase in prosperity should result.

The number of stamps on this field is now 389, as against 299 in the year 1899, the value of the mining machinery being £324,608, as compared with £134,701 for 1899.

Of the two districts (Mount Malcolm and Mount Margaret) into which this goldfield is divided, the latter has made the most progress during the year, the developments in the mining centres to the East and South-East of Laverton having been most satisfactory. The mines in the vicinity of Mount Morgans have been vigorously developed, and, as a consequence, the township is rapidly growing.

The copper deposits near Anaconda, in the Malcolm district, have been vigorously worked during the year, and 4,539 tons of ore, valued at £30,718, have been raised and treated on the mine, a water-jacket furnace having been erected. There is every reason to hope that the development of this goldfield is but beginning, and that its progress during the year will be maintained in the coming year.

MURCHISON.

Marked progress is shown by the Murchison Goldfield for the year. Its yield of 105,722oz. shows an increase of 31 per cent., as compared with the yield for 1899, and the average per ton of ore crushed is fairly maintained, the average for 1899 being 1.16oz., and that for this year 1.05oz. per ton.

There seems no doubt but that this goldfield is on the eve of a revival in mining. The development in the deeper levels of the Great Fingall mine at Day Dawn has caused attention to be turned to many properties that have been worked to a comparatively shallow depth and abandoned. A good deal of machinery has been erected on the field during the year, the value of mining machinery at the end of 1899 and 1900 being £197,903 and £244,999 respectively.

The number of men employed on mines has slightly increased during the year, and about $8\frac{2}{3}$ per cent. of the men employed on mines in this State are employed on this goldfield. The Warden reports that several new finds have been made during the year, and expresses his conviction that the goldfield will gradually regain the confidence of investors.

The extension of the railway to Nannine, which has been authorised by Parliament, will, doubtless, materially assist in the development of the Northern portions of the field.

NORTH-EAST COOLGARDIE.

The output from this goldfield, which has produced so much gold in the past, shows a substantial decrease during the year. Comparing the yield for 1900 with that for 1899, the former shows a decrease of 37 per cent.

A considerable decrease has also taken place in the number of men employed in mines, though the area under lease is about the same as in 1899. The number of stamps has decreased by 31, but the value of the mining machinery has increased to the amount of £32,756.

No new alluvial discoveries have been made, though a good many valuable nuggets have been reported during the year from the previously known alluvial workings.

There exist on this goldfield many alluvial workings that are practically abandoned, and that would pay handsomely for sluicing, and there can be no doubt that if sufficiently large areas were made available in ground that is too poor to pay the individual miner, the result would be the investment of a considerable amount of capital.

Request having been made that boring operations should be undertaken in the vicinity of Kanowna, an examination of the locality was made by the Government Geologist, and on his advice the Government decided to bore for the continuation of the North Lead, from which so much gold has been obtained in the past. To the end of the year boring operations have met with no success. This is regrettable, as were the continuance of the lead proved, an impulse would be given to mining in the Kanowna district.

BROAD ARROW.

The yield of 52,433oz. for the year shows an increase of about 9 per cent., as compared with 1899, though this is due to the increase in the output of several mines rather than to an increase in the number of producing mines.

The number of men employed shows a decrease of 236, as compared with 1899, but the number of stamps has slightly increased, and the value of mining machinery is greater by over £50,000.

The number of alluvial workers has decreased during the year, and no new finds of any importance have been made.

NORTH COOLGARDIE.

The gold yield of 106,774oz. from this extensive field shows a falling off, as compared with 1899, of about nine per cent. The decrease is confined to the Menzies and the Yerilla districts, increases appearing in the Ularring and Niagara districts. Notwithstanding this, the Warden reports the prospects of the field to be good, and especially in the Ularring and Niagara districts considerable activity is displayed in development work.

The total value of mining machinery is £249,640, being £28,832 more than in 1899, and increases under this head appear in every district but Yerilla.

The Government batteries at Mt. Ida and Mulline are the most successful of all the batteries erected by the Government, the former having treated 4,799 tons, and the latter 6,205 tons during the year.

Prosperous mining centres have developed at Yundamindera (the Granites), in the Yerilla district, and at Mt. Higgins, in the Ularring district, and the prospects of these places are considered extremely bright. At Edjudina, the most Easterly mining centre on the field, more activity has prevailed, and though the mines have been worked by small parties, good results have been obtained, and the prospects of the district point to a gradual increase in prosperity.

PEAK HILL.

Though the general development of this field has not been unsatisfactory, the gold yield of 26,572oz. shows a falling off of about 17 per cent., as compared with the 1899 yield. This decrease is more than accounted for by the smaller output from the principal producing mine, the Peak Hill Goldfields, Limited, so that the production of the field generally shows a slight increase.

A good deal of prospecting work was done at the Horseshoe during the year, but further work seems to be necessary to test the value of the ore bodies in this vicinity.

A new find was reported during the year at Wilguna, about twelve miles East-South-East from Peak Hill, but its value has not yet been conclusively proved.

The Government public battery at Ravelstone started work during the year, and crushed 2,072 tons of ore for a yield of 2,049oz. Though there is abundance of stone in sight to keep this battery going, the leaseholders in the vicinity seem somewhat apathetic, and have not given the battery the support it deserves.

The value of mining machinery on this field is given as £32,291.

YALGOO.

The progress of this goldfield during the year has not been satisfactory. Of its total gold yield of 10,102oz., more than half is accounted for by the output of one property, the Field's Find mine, and the yield of the field shows a falling off, as compared with that for 1899, of about 17 per cent. The Woodley's mines at Rothesay have closed down temporarily, the ore in the lower levels having proved too refractory to be treated by the plant installed on the mine.

Several promising finds have been reported during the year, the more notable being one near Ninghan, to the South of Field's Find, and another about fifteen miles to the North-East of Yalgoo.

The value of the mining machinery installed on this field is given as £34,727.

DONNYBROOK.

The gold yield from this field for the year has been but a nominal one, 453oz. only having been produced. Comparatively little development work has been done on the goldfield, except on the large area held by the "Donnybrook Goldfields;" this is being vigorously prospected.

A five head Government battery was erected towards the end of the year, but only one parcel of ore has been treated. The presence of alluvial gold has been proved in some of the flats draining into the Preston River from the South, but sufficient work has not been done to determine the value or extent of the deposits. Alluvial gold was also found in a creek running into the Preston River from the North, the locality of the find being about seven miles North-East of Donnybrook townsite; but very little work has been done.

Freestone of excellent quality has been found in this goldfield, and several quarries have been opened up. The stone is said to be equal to any freestone in Australia.

YILGARN.

This field has had a prosperous year, and mining seems to be on a sound footing. The gold yield of 29,155oz. shows an increase, as compared with that for 1899, of about 78 per cent., though the average of .53oz. per ton of ore milled is low, yet mining costs are not excessive, and, the field being comparatively close to the coast, freight charges are reasonable. The increase in the output is chiefly accounted for by the treatment of accumulated tailings.

Southern Cross is still the main mining centre, but the Warden reports that developments at Mt. Jackson, Hope's Hill, Parker's Range, and Jacoletti's are satisfactory.

A large increase has taken place during the year in the number of miners employed, and the value of mining machinery has increased from £65,904 in 1899 to £80,632 at the close of 1900.

PILBARRA.

The gold yield of 16,617oz. for the year shows a falling off of 2,675oz., as compared with 1899, but the average yield per ton of ore milled is 2.43oz. against the average of 2.09oz. for 1899.

The future of this field seems promising; the difficulties of transport, the scarcity of timber, and the extreme heat during several months of the year are against its rapid development, but the reefs are rich, and the average production of 135oz. of gold per man employed is high.

Warrawoona was the principal gold producing centre during the year; it is followed by Lalla Rookh, Nullagine, and Sandy Creek.

The Marble Bar Tinfield has been worked during the year with fair results, and tin was also found at Coollegong, about 45 miles South-West of Marble Bar.

EAST MURCHISON.

The progress of this goldfield during the year has been most satisfactory. The gold yield of 64,698oz. shows an increase of about 44 per cent., as compared with that for 1899, and the average yield per ton of ore milled is slightly higher, it being 1.11oz., as against .99oz. for 1899.

Though there has been an abundant rainfall during the year, it has somewhat militated against the immediate development of the field, in that it made the roads very bad for some time, and prevented the carting of heavy machinery. For some little time the supply of provisions at Lake Way was very scanty, it being difficult for pack-camels, let alone horse teams, to travel.

The area held under gold mining leases has increased during the year, and the value of mining machinery has increased from £68,915 in 1899 to £106,348.

The average number of men employed in mines shows an increase of 372, as compared with 1899, and the yield of gold per man employed is 72·94oz.

WEST PILBARRA.

The gold yield of this field is very variable. The yield for 1899 showed a very large increase on that for 1898, but the yield of 954oz. for the present year is only about half that for the previous year. The output of copper ore also shows a falling off of £17,339 in value.

There seems no doubt but that payable gold reefs exist on this goldfield, and that the deposits of copper ore are exceptionally rich, but sufficient capital does not appear to have been available for the systematic exploration of the various properties, and the capital that has been available does not seem to have been expended in the most economical and judicious way.

PHILLIPS RIVER GOLDFIELD.

The discovery of gold-bearing reefs in the Phillips River Mining District led to its being declared a goldfield in September, 1900, and at the end of the year five gold mining leases, containing 114 acres, had been granted, while 42 lease applications had been lodged for 600 acres. The area held under mineral lease is 2,265 acres.

No ore reduction plants have so far been erected, and it is premature to hazard any opinion as to the value of the reefs. A few parcels of copper ore have been exported for treatment, and the results have shown that even under present circumstances the ore is highly payable.

Transport charges from the port (Hopetoun) are fairly reasonable, and it is proposed to improve the landing facilities.

Several companies are proposing to erect crushing plants during the coming year, and their erection should cause the more rapid development of the properties. The Government propose to offer a bonus to any company that will agree to crush for the public at prices to be fixed.

COLLIE COALFIELD.

The progress of this coalfield during the year has been satisfactory. The output of coal, 118,410 tons, is more than double that of the previous year, and whereas at the end of 1899 the only colliery producing coal in any quantity was the Wallsend, two others, the Proprietary and the Moira, are now regular producers.

The area under lease has increased by over 8,000 acres, and systematic tests have been made, by boring, of several properties in the outlying parts of the field. These bores have proved that payable coal seams of good size exist, and the only obstacle to their development is the absence of railway communication. As the configuration of the country is not unfavourable to railway construction, the few miles of railway required should not take long to construct.

GREENBUSHES MINING DISTRICT.

The progress of this tinfield, if somewhat slow, has been on the whole satisfactory. The number of workers has decreased, but the output of tin has increased from 278 tons of black tin in 1899 to 436 tons.

Comparatively little capital has been introduced into this field, though two schemes are on foot to pump water from the Blackwood River and treat the low grade wash on a large scale.

The want of a tin dressing plant has been represented to the Government, and one has been promised. It is to be hoped that if this proves a success it will be followed by the erection of many other privately owned plants. A small smelting plant has been erected by a company, and has proved of great assistance to the claim holders.

NORTHAMPTON.

But little activity in mining matters has prevailed in this mining district during the year, and though a larger tonnage of lead ore has been reported to this department than in 1899, the value of the ore is less by £379.

Though in October, 1899, a bonus of 25s. per ton was offered for ore containing 60 per cent. of lead, to the end of the year 1900 the bonus had only been claimed on 109 tons.

Within the past year or two one or two attempts have been made to further test some of the old lead mines, but no great success has attended them. As I pointed out in my last report, the Government Geologist is of opinion that judicious prospecting should result in the discovery of other lodes equally productive to those already exploited, but at present there does not appear to be much disposition either on the part of the residents of the district or of outside investors to make any systematic efforts to search either for new lodes, or to further develop the old ones.

ASHBURTON GOLDFIELD.

There is no mining progress of any importance to record with regard to this goldfield during the year.

Though it is the opinion of the Warden that payable reefs exist in various localities throughout the field, no crushing machinery is available, and prospectors are precluded from working any reef that does not pay for dollying. The mining that is carried on is principally alluvial mining, which gives employment to about fifty-nine men during the year, the output of 1,532oz. of gold being greater by about 300oz. than the yield of the previous year.

In connection with this field I may mention that in the vicinity of Red Hill, which lies about forty miles North from its most Northerly point, copper deposits are known to exist, and mineral leases have been taken up at various times during the last year or two. So far but little development work has been done on them, but as the samples of ore taken from the lodes are said to have given good returns, no doubt they will in time be systematically worked.

GASCOYNE GOLDFIELD.

Very little mining has been done on this goldfield during the year. Though it is fairly well watered and in average seasons well grassed, it seems to attract but few prospectors, whose number had, as far as can be ascertained, dwindled to about twelve during the year. Only 74oz. of alluvial gold has been reported to the department during the year, this total including one 30oz. nugget.

The only crushing plant on the field is a Tremain mill, which has been erected close to Bangemall; it has been idle for a considerable time.

PART XII.—DEPARTMENTAL.

TABLE 21.

Return showing Revenue and Expenditure during the years 1899 and 1900.

Goldfield or District.	Revenue, 1899.			Revenue, 1900.			Expenditure, 1899.			Expenditure, 1900.						
	£	s.	d.	Percent- age of gross Revenue.	£	s.	d.	Percent- age of gross Revenue.	£	s.	d.	Percent- age of gross Ex- penditure.	£	s.	d.	Percent- age of gross Ex- penditure.
Ashburton ...	46	14	6	·06	34	3	6	·03	469	9	2	·7	290	7	3	·47
Broad Arrow ...	3,015	13	6	3·7	2,725	3	3	3·4	2,012	8	3	3·7	1,517	5	6	2·4
Coolgardie ...	8,360	1	10	10·3	7,412	5	9	9·4	5,312	15	2	9·8	4,627	12	10	7·5
East Coolgardie ...	12,997	6	9	15·9	11,835	15	9	15·0	3,902	3	10	7·2	3,791	7	7	6·1
North Coolgardie ...	8,940	14	6	10·9	10,144	17	6	12·8	3,264	7	11	6·03	3,430	15	1	5·6
N.E. Coolgardie ...	5,976	2	9	7·3	4,212	17	9	5·3	2,144	2	7	3·9	2,777	17	11	4·5
Dundas ...	2,829	14	2	3·5	2,440	12	9	3·1	1,636	16	0	3·02	1,939	11	7	3·2
Gascoyne ...	100	7	0	·13	35	4	0	·03	242	3	6	·45	122	13	11	·2
Kimberley ...	60	2	8	·08	60	12	0	·7	68	3	0	·13	99	19	8	·16
Mount Margaret ...	12,819	14	3	15·7	11,239	3	9	14·2	2,126	6	5	3·9	3,535	6	10	5·8
Murchison ...	7,028	0	9	8·6	7,267	7	3	9·2	4,447	15	8	8·3	5,293	15	2	8·6
East Murchison ...	2,867	17	9	3·5	3,130	9	6	3·9	1,233	3	11	2·3	1,163	4	7	1·9
Peak Hill ...	2,429	13	0	2·9	3,099	5	6	3·8	819	15	1	1·6	944	3	10	1·5
Pilbarra ...	1,958	7	9	2·4	1,880	10	3	2·4	1,690	4	9	3·1	1,633	8	10	2·7
Pilbarra, West ...	672	2	11	·8	667	0	6	·85	103	16	0	·2	86	18	4	·14
Yalgoo ...	828	10	3	1·1	1,066	13	9	1·3	955	16	10	1·8	442	11	1	·7
Yilgarn ...	1,198	4	6	1·5	1,244	3	3	1·6	666	9	3	1·25	698	9	6	1·15
Phillips River* ...	...	...	...	...	2,578	16	6	3·2	...	...	...	...	278	7	2	·45
Collie ...	1,704	16	0	2·1	3,826	2	1	4·8	306	12	0	·6	440	16	9	·70
Northampton ...	252	8	3	·3	72	0	5	·09	176	7	3	·32	134	2	6	·23
Greenbushes ...	2,254	16	6	2·7	1,107	4	9	1·4	495	19	11	·9	663	3	8	1·1
Donnybrook ...	1,652	4	0	2·03	1,397	8	0	1·8	108	7	0	·2	309	17	10	·5
Head Office ...	3,713	8	2	4·5	1,373	5	11	1·7	21,993	12	0	40·6	27,370	15	3	44·4
	81,707	1	0	100	78,851	3	8	100	54,176	15	6	100	61,592	12	8	100

* Revenue and Expenditure for 1899 included in Head Office Totals.

The above table gives the revenue and expenditure of each goldfield and mineral district and of the head office for the year. The statement includes the receipts under and the cost of, the administration of the Steam Boilers Act, but does not give the revenue from and expenditure on Public Batteries, which is dealt with elsewhere.

It will be seen that the revenue has fallen off to the extent of £3,855 17s. 4d., a decrease of 4·7 per cent. as compared with the revenue for the preceding year. The greatest shrinkages are shown in receipts from the North-East Coolgardie, East Coolgardie, Mt. Margaret, and Coolgardie Goldfields, and the Greenbushes Mining District, while marked increases appear in the revenue from the North Coolgardie and Peak Hill Goldfields and the Collie Coalfield. The expenditure shows an increase of £7,415 17s. 2d., about 13·7 per cent., as compared with the previous year. Of this increase, about £4,000 is accounted for by expenditure on surveys, but as the department simply pays over to surveyors, on the completion of the surveys, the fees collected, the increased expenditure was inevitable. The expenditure in connection with the administration of the Steam Boilers Act exceeds that for 1899 by over £2,000; this branch having only started active operations late in the year 1899. Travelling expenses show an increase of about £500, in consequence principally of the increased amount of travelling done by the Inspectors of Mines.

The expenses in the Head Office appear high as compared with the revenue received, but though all amounts collected in connection with holdings on the various fields have been credited to those fields, a large amount of expenditure strictly chargeable has not been debited. For example, of the £27,370 appearing under Head Office expenditure, over £10,000 is for surveys carried out on the goldfields, and various other items of expenditure, such as postage, telegrams, and advertising, are also charged. The cost of administering the Steam Boilers Act, not only on the goldfields, but throughout the South-Western districts, is also debited to Head Office.

TABLE 22.

Showing the number of Registrars' Offices; also the number of Officers employed on the Goldfields.

FIELD.	No. of Wardens.		No. of Registrars' Offices.		No. of Mining Registrars.		No. of Clerks.		Survey Staff.		No. of Inspectors of Mines.		No. of Clerks to Inspector of Mines and Boilers.	
	1899.	1900.	1899.	1900.	1899.	1900.	1899.	1900.	1899.	1900.	*1899.	1900.	1899.	1900.
Ashburton a	1	1	1	1	1	1	...	...	...	...	...	...	...	...
Broad Arrow	1	1	1	1	2	2	1	...	1	1	...	...	...	...
Coolgardie	1	1	1	1	3	2	2	1	† 6	3	1	1	...	1
East Coolgardie	1	1	1	1	2	2	3	2	1	1	1	1	...	1
North Coolgardie	1	1	3	2	3	2	3	2	1	1	1	1	...	1
North-East Coolgardie	1	1	2	2	3	3	1	...	1	1	1	1	...	1
Dundas	1	1	1	1	2	2	...	...	1	...	1	1	...	1
Gascoyne a ... ..	...	...	1	1	1	1	...	...	...	...	...	...	...	...
Kimberley	1	1	1	1	1	1	...	...	...	...	...	...	...	...
Mount Margaret	1	1	2	2	2	3	2	2	1	1	1	1	...	1
Murchison	1	1	3	3	5	4	...	...	† 2	2	1	1	...	1
East Murchison	1	1	1	1	1	1	...	...	...	...	...	...	...	...
Peak Hill	1	1	1	1	1	1	...	...	...	...	...	...	...	...
Pilbarra	1	1	4	4	4	4	...	...	1	1	...	...	...	...
West Pilbarra b	1	1	1	1	1	1	...	...	...	...	...	...	...	...
Yalgoo c	1	...	1	1	1	1	...	...	...	...	...	...	...	...
Yilgarn	1	1	1	1	1	1	...	...	...	...	...	...	...	...
Collie ... ..	...	...	1	1	1	1	...	...	...	...	1	1	...	...
Northampton ... ..	...	...	1	1	1	1	...	...	...	...	...	...	...	...
Greenbushes d ... ..	...	...	1	1	2	2	2	2	...	...	...	...	...	...
Donnybrook d ... ..	...	1	1	1	1	1	...	...	...	...	...	...	...	...
Phillips River ... ..	...	1	1	1	1	1	...	...	...	...	...	...	...	...
TOTAL	16	17	31	30	40	38	14	9	15	11	8	8	..	7

a. The Ashburton and Gascoyne Goldfields are controlled by an Acting Warden, who has, in addition, the duties of Mining Registrar of the Ashburton Goldfield. b. Acting Warden, without salary. c. During the greater portion of 1900 the duties of Warden have been carried out by the Warden, Murchison, in addition to his duties on that Field. d. The position of Warden, Donnybrook, and Registrar, Greenbushes, are held by one officer.

* Also act as Inspectors of Boilers, with the exception of East Coolgardie, where an officer has been appointed solely for boiler inspection. † Include Inspecting and Field Surveyor. ‡ Include Inspecting Surveyor.

It is apparent from the above table that the only change in the number of Registrars' offices has been on the North Coolgardie Goldfield, the business of the Yerilla and Niagara districts now being transacted at the Niagara office.

During the year a Warden was appointed at Phillips River, in consequence of the increase in business. The number of Registrars has been slightly decreased and the number of clerks considerably reduced, and, generally speaking, every opportunity has been taken of reducing the staff without impairing the efficiency of the Department.

OFFICERS EMPLOYED IN HEAD OFFICE.

TABLE 23.

Return showing number of Officers employed at Head Office.

Branch.	1899.	1900.
Clerical	Chief Clerk, 12 Clerks, 3 Messengers	Chief Clerk, 10 Clerks, 4 Messengers.
Accountants	Chief Accountant, 3 Clerks	Chief Accountant, 3 Clerks, and Junior Clerk.
Drafting	Chief Draftsman, 7 Draftsmen	Chief Draftsman, 7 Draftsmen.
Registration	Inspecting Registrar, Registrar, and 5 Clerks	Inspecting Registrar, Registrar, 5 Clerks.
Statists	Statist, 3 Clerks	Statist, 4 Clerks.
Survey	Assistant Inspecting Surveyor, 4 Computing Draftsmen	Assistant Inspecting Surveyor, Computing Draftsman, and 2 Junior Draftsmen.
Public Batteries	Superintendent, 2 Clerks	Superintendent, 2 Clerks.
Steam Boilers	Chief Inspector, 2 Clerks, 3 Assistant Inspectors	Chief Inspector, 3 Clerks, 3 Assistant Inspectors.

The above table shows the number of officers employed in the Head Office during the year. It will be seen that the addition of one officer has been made in the total number employed.

SURVEYS.—It will be seen from the reports of the various Inspecting Surveyors that, during 1900, 1,306 lease surveys were made, their total area being 26,527 acres. The number of individual surveys was less by 462 than in 1899, the area being greater

by 1,233 acres. The Inspecting Surveyor, Central Goldfields, in addition to supervising the work of the survey office at Cue, has done the greater part of the surveys on the Murchison Goldfield; the work in the Nannine district and on the Peak Hill Goldfield, as also on the East Murchison Goldfield being done by contract surveyors. The Inspecting Surveyor, Eastern Goldfields, has, in addition to doing the majority of the surveys in the Coolgardie and Dundas Goldfields, done a considerable amount of inspection work, and has prepared designs for the Lands Department in connection with new sub-divisions at Kalgoorlie. He has also made the surveys of roads through mining leases at Kalgoorlie. The surveys at Phillips River have been carried out by Mr. A. Canning, an officer of the Lands Department, and I must express my thanks to the Surveyor General for assenting to this arrangement, which has been in every way a most satisfactory one for the Department. The work done during the year for the Department by the various mining surveyors has been well carried out, and the standard of previous years has been maintained.

DRAFTING BRANCH.—The work of this branch has proceeded satisfactorily during the year under the general supervision of the Assistant Inspecting Surveyor, the Chief Draftsman having been on active service with the West Australian troops in South Africa.

REGISTRATION BRANCH.—The following tables give a summary of the work of this branch:—

TABLE 24.

List of Principal Dealings registered at Head Office during 1899 and 1900.

Dealing.	No.	1900.		No.	1899.	
		Stamp Duty.			Stamp Duty.	
		£	s. d.		£	s. d.
Transfer of G.M. Leases	1,319	5,671	16 6	1,582	5,000	17 3
Transfer of Mineral Leases	99	134	12 6	176	1,118	17 9
Liens affecting G.M. Leases	68	19	2 0	86	19	18 9
Liens affecting Mineral Leases	5	0	3 9	4	0	17 6
Caveats affecting G.M. Leases	276	...	...	318	...	...
Caveats affecting Mineral Leases	10	...	...	...	...	...
Powers of Attorney	402	...	...	328	...	...

This table shows that the number of the dealings registered was somewhat less than in 1899, the stamp duty on transfers and liens being £5,825 14s. 9d. as against £6,140 11s. 3d. in 1899.

The following table shows that, on the whole, less lease instruments and other documents were issued during 1900 than in 1899.

TABLE 25.

Return of Lease Instruments and other Documents issued from Registration Branch of Head Office during 1899-1900.

	1900.	1899.
Instruments for G.M. Leases prepared	182	205
Counterparts do. do. do.	288	557
Instruments do. do. issued	221	222
Instruments for Mineral Leases prepared	34	57
Counterparts do. do. do.	34	57
Instruments do. do. issued	74	23
Instruments under Private Property Act issued	4	...
Gold Dealers' Licenses issued	57	53
Certificates of Amalgamation	81	125
Applications for deceased persons' interests	7	15
Mining Licenses	52	203
Miners' Rights	120	286
Consolidated Miners' Rights	1	...
Business Licenses ... ..	...	2

ACCOUNTANT'S BRANCH.—The work of this branch has gone on very smoothly under the direction of the Chief Accountant. The improved methods instituted by him during last year have worked well, and the work of this branch is in a most satisfactory state.

TABLE 26.

Letters, Wires, etc., despatched during 1900.

Branch.	Letters.	Wires.	Circulars.	Statistics and Publications.	Total.
Boilers Branch ... ..	...	...	...	...	6,384
Chief Accountant's Branch	1,390	224	...	...	1,614
Correspondence Branch	8,232	1,234	*675	*13,500	9,466
Registration Branch	6,275	1,765	...	...	8,040
Statistical Branch	417	432	*900	*12,000	849
Survey Branch	720	104	...	...	824
Total	17,034	3,759	*1,575	*25,500	27,177

* Not included in Grand Total.

Correspondence Registered—Correspondence Branch 7,550

CLERICAL.—In spite of several changes in the staff, which caused temporary inconvenience, the work of this branch has given satisfaction. The above statement gives a general idea of the work performed.

It is with much regret that I have to record the death of M. Collett, a very promising clerk of this branch, who went to South Africa with the First Western Australian Contingent, and who was shot at Palmietfontein on the 19th July, 1900.

STATISTICAL BRANCH.—It is needless for me to comment on the work of this branch which is so much in evidence. The statistics issued monthly and annually speak volumes for the work performed by the members of the branch under the direction of the Statist.

In conclusion, I have much pleasure in stating that the departmental staff, both on the goldfields and in the head office, is in an efficient state. The Wardens speak in high terms of the officers associated with them, and I consider that, as a whole, they study the interests of the public and the Department. Personally, I have to thank many of the head office staff for extra work ungrudgingly performed, and the officers of the Department generally for the ready assistance they have invariably afforded to me.

I have the honour to be,

Sir,

Your obedient servant,

H. S. KING,

Under Secretary for Mines.

Department of Mines, Perth,
7th June, 1901.

*Acting Warden's Report on the Ashburton Goldfield for the year 1900.**To the Under Secretary for Mines, Perth.*

SIR,

I have the honour to forward, for the information of the Honourable the Minister for Mines, my report on the Ashburton Goldfield for the year ending 1900.

The Mt. Mortimer alluvial workings are distant about 30 miles West of main camp (on O'Grady's Creek), and about 190 miles South-East from Onslow. These workings, during the year under notice, were confined to "fossickers," some of whom did exceptionally well considering the number of years the workings have been in existence; there are seven men here at the present time, and, from accounts, they are making little more than tucker. A small surface patch was found which produced a few ounces of gold. Very little work was done in the hard cement, the majority not caring to work such hard, deep ground on the off-chance of getting a "piece" or nothing. The well at the workings is in good order, and contains a fairly good supply of fresh water.

2. The Gorge is situated about thirty miles South-West of main camp. Two different parties have been working leaders here, but, unfortunately, their enterprise did not meet with a just reward. There is no doubt that payable reefs and mineral lodes exist in the locality, but, owing to the absence of machinery on the field, and the stone not being of sufficient grade to pay the cost of carting, to the nearest port (about 200 miles) for the purpose of shipping for treatment, and unless wages can be dollied out of the various reefs and leaders on the goldfield they are generally allowed to remain idle, which greatly retards the advancement of the field.

3. The "Soldier's Secret" is distant about 30 miles South of my camp; this was the main working centre on the goldfield during the year, and besides the new surface patches discovered, Messrs. Proctor and Hearn, two thoroughly practical and energetic prospectors, found no less than five new gullies; unfortunately they were very small and were worked out very quickly. However, sufficient gold was won by the prospectors to recompense them for their arduous labours, and I am pleased to say they are still further pursuing their avocation in other parts of the goldfield, and it is to be hoped others will emulate their enterprise. The Government Well at the old workings has been deepened and a good supply of fresh water obtained. The late new finds are distant from three to four and a-half miles East of the well, and this, you will observe, is too far, especially during the summer months, for diggers to carry water and pursue their calling. It is the wish of the diggers that a well be sunk about seven miles East of the camp; this would enable them to prospect the belt of auriferous country between the "Secret" and "Top Camp." They could prospect from this well to McPhie's Springs, and from there to the "Top Camp." I have no doubt a number of diggers would be employed in opening up this much desired piece of country, and new finds would be made, as the locality is most favourable.

4. The "Top Camp" is distant about 45 miles South-East of main camp and about 28 miles East of "Soldier's Secret." The work at this centre has been confined exclusively to searching for alluvial, with varying results. An old Nor'-West prospector obtained enough gold on new ground in "Lawyer's Gully" to pay for his labour, and he is about the only person who made wages, the majority averaging "tucker" only. The once rich leaders at the workings were allowed to remain idle during the year, but I hope in the near future to hear of them being taken up again, and others being found, not only at the "Top Camp," but in other parts of the goldfield.

5. The "Dead Finish" workings are distant about seven miles West of main camp. Quite a number of diggers have been engaged during the year searching for alluvial at this centre, owing to a new run of gold having been picked up at "Stiffner's Point," and the finding of gold in the deep ground running parallel to the old original workings; the gold obtained being of a good sample and quality. The great drawback to the "Finish" is the scarcity of water, which has to be carted from O'Grady's Creek, seven miles; the water in this creek not being permanent, and, when dry, water has to be "packed" from the Ashburton River. Two water shafts have been sunk, but, unfortunately, the water obtained is both bitter and salt, not being even fit for stock purposes. No interest is now taken in reefing here, the stone being of a poor quality.

6. *Outside.*—Under this heading I include The Tooree, Seven-Mile, Tannaradgie, The Turner, McKenzie's, and The Hardey. All these places have been tried by prospectors during the year. Some have been successful, while others have barely made "tucker"; still, the localities are promising, and, apparently, most diggers are contented if only making "tucker," providing they are working in favourable, sound ground.

7. In conclusion I may state that owing to the uncertain seasons, and the small number of prospectors on the Goldfield, the various small belts of auriferous country have mostly been scamped over; but in a favourable season the goldfield offers good inducement to well-equipped prospectors. In most cases where legitimate prospecting has been done, the prospectors have been satisfied with the results obtained, and generally return to places they have had to desert in dry times. No doubt the erection of crushing machinery would be the means of inducing prospectors and diggers to combine their operations to search for reefs as well as alluvial. * 1,532ozs. of alluvial gold were obtained during the year, being a decrease of nearly 300ozs. on the previous year's return. There is a good supply of assorted rations on the field, obtainable at a reasonable rate.

I have, etc.,

A. PHELPS,

Acting Warden,

Ashburton and Gascoyne Goldfields.

Mt. Mortimer, 23rd January, 1901.

* NOTE BY STATIST.—In the 1,704ozs. returned to the Statist during the year 1900 is included a late return of 172oz. for December, 1899, received after the totals for that year were made up, this being the difference in the amounts above specified. The total aggregate production to 31st December, 1900, is in no wise affected thereby.

TABLE A.

Applications for Leases, etc., under the Goldfields Act.

	Year 1899.	Year 1900.
Number of Gold Mining Leases applied for ... ..	...	...
Area of Gold Mining Leases applied for, in acres ... ..	...	...
Number of Gold Mining Leases abandoned, surrendered, or forfeited...	...	...
Number of Gold Mining Leases refused ... ..	...	...
Number of Gold Mining Leases in force ... ..	...	...
Area of Gold Mining Leases in force, in acres ... ..	...	...
Number of Water Rights in force	3	*3
Area of Water Rights in force, in acres	3	*3
Number of Quartz Claims in force	5	*5
Number of Alluvial Claims in force ... ..	...	...
Number of Protection Areas in force ... ..	...	...
Number of Residence Areas in force... ..	...	...
Number of Business Areas in force	1	*1
Number of Machine Areas in force ... ..	...	...
Number of Tailings Areas in force ... ..	...	...
Number of Garden Areas in force ... ..	...	...
Number of Miners' Rights issued during	45	20
Number of Business Licenses issued during	3	5

* Shown as "in force" in Register, but are abandoned.

TABLE B.

Applications for Leases, etc., under the Mineral Lands Act.

	Year 1899.	Year 1900
*Number of Mineral Leases applied for
Area of Mineral Leases applied for, in acres
Number of Mineral Leases abandoned, surrendered, or forfeited
Number of Mineral Leases refused
Number of Mineral Leases in force
Area of Mineral Leases in force, in acres
Number of Water Rights in force
Area of Water Rights in force, in acres
Number of Lode Claims in force
Number of Alluvial Claims in force
Number of Protection Areas in force	2	+2
Number of Residence Areas in force
Number of Business Areas in force
Number of Machine Areas in force
Number of Tailings Areas in force
Number of Garden Areas in force
Number of Mining Licenses issued during	8	6
Number of Quarry Licenses issued during
Number of Business Licenses issued during

* Leases applied for Red Hill being outside Goldfields' boundary applications made Head Office, Perth.

† Shown as "in force" in Register, but are abandoned.

TABLE C.

Table showing Number, Description, and Area of Mineral Leases in force.—Nil.

TABLE D.

List of Ore-reduction Plants—Nil.

TABLE E.

Particulars of Mining Accidents.

	1899.	1900
Number of Men injured	Nil	Nil
Number of Men killed	Nil	Nil

TABLE F.
Showing Population of each Mining Centre on 31st December, 1900, as compared
with 31st December, 1899.

Mining Centre.	Males.		Females.		Total.		Increase.	Decrease.
	1899.	1900.	1899.	1900.	1899.	1900.		
Dead Finish	20	8	2	1	22	9	...	13
Gorge	6	3	...	...	6	3	...	3
Mt. Mortimer	6	4	...	...	6	4	...	2
Outside	20	8	...	...	20	8	...	12
Soldier's Secret	22	14	...	...	22	14	...	8
Top Camp	15	4	...	...	15	4	...	11
Tannaradgie	4	...	...	...	4	...	...	4
Goldfield generally ... ..	...	19	...	1	...	20	20	...
Total	93	60	2	2	95	62	...	33

TABLE G.
Mining Revenue 1899-1900.

	District.	Year 1899.	Year 1900.
		£ s. d.	£ s. d.
Lease Rental under Goldfields Act	Ashburton ...	...	...
Other sources under Goldfields Act	Do. ...	32 18 0	26 2 6
Lease Rental under Mineral Lands Act	Do. ...	3 8 6	...
Other sources under Mineral Lands Act	Do. ...	2 16 0	7 0 0
Survey Fees (Leases, Areas, etc.)	Do. ...	5 10 0	...
Fees (Examination of Engine-drivers)	Do. ...	...	...
Exemption Fees	Do. ...	2 2 0	...
Receipts from Public Batteries	Do. ...	...	...
Fees under Boiler Inspection Act	Do. ...	...	...
Receipts from all other sources	Do. ...	...	1 1 0
Total Mining Revenue ... ..	...	£46 14 6	£34 3 6

TABLE H.
Average number of Miners employed.

Goldfield.	Reef or Lode.		Alluvial.		Total.	
	1899.	1900.	1899.	1900.	1899.	1900.
Ashburton	6	...	55	59	61	59

TABLE I.
Water Supply during Year 1900.

Mining Centres.	Average depth at which Salt Water is struck.	Average depth at which Fresh or Stock Water is struck.	Government Tanks Number and Contents.	Average Rainfall.
Dead Finish	97 feet	Nil	} Nil	Sin. 12 points for year
Gorge ... ..	...	60 feet	
Mt. Mortimer ... ..	...	60 feet	
Outside	from 35 feet	from 35 feet		
Soldier's Secret ... ..	...	50 feet	
Top Camp	50 feet		

TABLE J.
Ruling Rates of Wages during 1900.

	£	s.	d.	£	s.	d.	
Miners above ground per week	4	0	0				
Miners below ground "	4	0	0				
Miners wet ground "							
Engine-drivers "							
Mechanics "							
Carpenters "							
Labourers "	3	0	0	to	4	0	0

TABLE K.
* Yield of Gold for Year ended 1900.

Goldfield.	Alluvial.	Dolled and Specimens.	Tons crushed.	Return in ozs.	Total Yield.		Average per ton, exclusive of Alluvial and Specimens.	
					1899.	1900.	1899.	1900.
Ashburton	ozs. 1,704'00	...	...	...	ozs. 1,659'10	ozs. 1,704'00	...	...

* For details, see Mining Statistics.

Warden's Report on the Broad Arrow Goldfield for 1900.

The Under Secretary for Mines, Perth.

SIR,

I have the honour to submit, for the information of the Honourable the Minister of Mines, a general Report on the Broad Arrow Goldfield for 1900.

The gross revenue derived from all Departments is as follows:—

	1900.		1899.	
	£	s. d.	£	s. d.
Mines	2,725	3 3	3,015	13 6
*Lands	446	12 6	591	14 6
*Treasury	1,768	6 0	1,291	17 2
*Excise	498	7 8	561	16 3
	£5,438	9 5	£5,461	1 5

* Exclusive of Perth office receipts.

Of the decrease in mining revenue "rents" are responsible for £110, and other sources, *i.e.*—miners' rights, registration fees, etc., £167.

The large excess in Treasury is mainly due to increases in judicial fines and fees, £150, and licenses, £200; the total decrease, however, being only £22 12s.

The gold output for 1900 was 50,694·62ozs. from 73,493·17 tons, averaging '69ozs. per ton. Alluvial, 1,470·26ozs.; dolled and specimens, 268·44ozs.; the grand total being 52,433·32ozs. This exceeds the previous year by 4,238·94ozs., the plant engaged on the above being 235 head of stamps, 1 Krupp ball mill = 10-head, 1 prospector's battery (3-head), 31 cyanide vats, and 3 filter presses; the value of all machinery on the field being £159,880. The gross output of gold to date is 151,947 92ozs.

Thirty-eight gold mining leases were applied for; the number of leases in force at end of the year being 113, with an area of 1,445 acres.

Our valuable copper lodes attract very limited notice at present. One forfeited lease of 20 acres was re-pegged; but, as no work has been done, it is presumably for speculative purposes.

Nothing sensational in the way of alluvial mining has been done, but a fair number of diggers are making wages.

At the Dixie mine a rich run of stone was met with, 810 tons yielding 2,220ozs. of gold.

The Paddington Consols, Limited, has added a very effective slimes plant to their process, giving excellent results.

The unfortunate labour difficulty at this mine last year curtailed the output somewhat, but notwithstanding it shows the substantial figures of 27,830·50 tons for 16,956·53ozs. of gold.

At Bardoc the Zoroastrian Gold Estates, Limited, has installed a 10-head battery, which is now crushing.

Another 10-head has been placed on the Mt. Corlic mine at Paddington, and gives promise of early dividends to the proprietors, who are working men.

At the Half Mile-Reef, Bardoc, a cyanide plant is in course of erection, with 13,000 tons to start on. Two reefs traverse the whole of this property, one only of which has been tested. At the 250 feet level, 900 feet has been driven, showing first-class stone; and at 360 feet level, 350 feet driven with the same satisfactory results.

At the Hill End Mine (New Austral Co., Ltd.) 10,279·90 ounces resulted from a tonnage of 9,586.

The Gladiators Co. has retired from Black Flag, the plant being transferred to Burbanks Main Lode, Coolgardie. The greater part of this ground is re-pegged in small areas, and where tested yielded good returns. Two mines in Broad Arrow centre have, I am pleased to say, resumed working after a period of unavoidable exemption—the Duke and the Credo.

Considerable importance is attached to very promising developments in the Golden Arrow Mine, Ltd., close to the town. The efforts made by the company under the new management of Mr. C. W. Skrine disclose evidence of the confidence placed in the property. It is opened at the 200, 300, 400, and 500 feet levels.

At the latter level the quality of the stone proved the best yet met with, confirming the manager's opinion that it would improve at a depth. The country (slate) is easily worked. Another 100 feet is being sunk. A tailings wheel, 27 feet in diameter, is building for the more rapid disposal of the sands. A new assay office and laboratory are also under way. The whole plant has been thoroughly overhauled and reorganised at an outlay of £1,500. Since September they have obtained 1,577·39 ounces of gold, the proceeds of which is to be devoted to the improvement of the mine. Their four miles of pipe-track from Paddington ensures a constant supply of water. Active work is in progress to remedy the enormous loss of water from the Broad Arrow Government tank. On two different occasions 7 feet and 5 feet of water was caught, the whole of which escaped. Its large capacity (10,060,000 gallons) and proximity to the town will render it of immense value. In the tanks at Bardoc and Black Flag there is (31st December, 1900) a supply of 4,389,300 gallons. A Ministerial visit was paid to the district last May, and extreme pleasure was expressed at the importance and prospects of the place. A grant of £350 was obtained, which has since been judiciously expended in very urgent road-making.

At the Council's expense, the town has been further improved by tree-planting in the principal streets. And the Recreation Ground, with the aid of a grant of £150 from the Government, is now converted into a very creditable pleasure resort.

Further attempts are being made to organise a fire brigade and station, in premises adjoining the Warden's Court belonging to the Government, and at present producing very little revenue. Ample accommodation will admit of the public reading room being transferred there.

The water supply is assured by arrangement with the Golden Arrow Mine, Ltd., whose pipe-track runs through the main street, with fireplugs at intervals.

Educational requirements are well met by the schools at Paddington and Broad Arrow, with a total roll of 147 scholars, the attendance averaging 103, and a high standard of efficiency attained.

The decrease in population in Bardoc has, I regret to say, necessitated the closing of that school.

A goldfields volunteer corps has been successfully founded, and a competent drill instructor from Kalgoorlie attends weekly.

A very valuable asset has been secured by the district in the new Forest Reserve, increasing the area from 32,000 acres to over 200,000, and practically limiting the use of it to only those mines situated in this field. As large supplies of timber were sent to outside mines, this provision for future requirements is gratefully appreciated.

The efforts of Paddington residents to form a separate municipality have every chance of success. It is anticipated by the townspeople that this will place the town in a very forward position.*

The Broad Arrow Hospital is undeniably in the front rank of such institutions, both in financial management and successful treatment of cases. Five hundred and forty-five cases were treated during the year: In-patients, 125; out-patients, 420; only 6 deaths occurring, two of which were accidents. It enters the new year with a credit balance of £768.

The attempts made last year to obtain a Government battery are being renewed by the townspeople and prospectors, with a suggestion that the Government lease a battery and crush at reasonable rates. I am informed there is one available; also an adequate supply of water.

The average number of miners employed was 646, exclusive of diggers, estimated at 100.

Although every endeavour is made to secure complete returns, there must remain a good percentage of workers of which no definite information can be obtained. The elaborate preparations being made here for the census next March will result in a material increase in the figures at present supplied, the estimated population of the field being 1,878 males, 502 females—total 2,380, a falling off from last year of 482. The health of the district is good. Trade generally is steady, as at the date of last report, and the prospects reassuring, and considering the many adverse circumstances occurring during the year just closed, and the marked effect on the mining industry throughout the State, the above may be accepted as a very satisfactory record of the year's business.

I have, etc.,

LIONEL R. DAVIS,

Warden.

Broad Arrow, 16th February, 1901.

* Paddington was proclaimed a Municipality on 9th January, 1901.

TABLE A.

Applications for Leases, etc., under The Goldfields Act.

	Year 1899.	Year 1900.
Number of Gold Mining Leases applied for	35	38
Area of Gold Mining Leases applied for, in acres	368	402
Number of Gold Mining Leases abandoned, surrendered, or forfeited ...	95	52
Number of Gold Mining Leases refused	2	1
Number of Gold Mining Leases in force	128	113
Area of Gold Mining Leases in force, in acres	1,711	1,445
Number of Water Rights in force	8	12
Area of Water Rights in force, in acres	39	55
Number of Quartz Claims in force	24	25
Number of Alluvial Claims in force	19	15
Number of Protection Areas in force	22	32
Number of Residence Areas in force	1	2
Number of Business Areas in force	13	8
Number of Machine Areas in force	1	1
Number of Tailings Areas in force	3	2
Number of Garden Areas in force	<i>Nil.</i>	2
Number of Miners' Rights issued during	655	435
Number of Business Licenses issued during	7	2

TABLE B.

Applications for Leases, etc., under the Mineral Lands Act.

	Year 1899.	Year 1900.
Number of Mineral Leases applied for	4	1
Area of Mineral Leases applied for, in acres	100	20
Number of Mineral Leases abandoned, surrendered, or forfeited ...	5	5
Number of Mineral Leases refused ... ..	...	...
Number of Mineral Leases in force	5	...
Area of Mineral Leases in force, in acres	120	...
Number of Water Rights in force ... ..	...	...
Area of Water Rights in force, in acres ... ..	...	...
Number of Lode Claims in force ... ..	...	...
Number of Alluvial Claims in force ... ..	...	...
Number of Protection Areas in force ... ..	...	* 1
Number of Residence Areas in force ... ..	...	...
Number of Business Areas in force ... ..	...	...
Number of Machine Areas in force ... ..	...	...
Number of Tailings Areas in force ... ..	...	...
Number of Garden Areas in force ... ..	...	...
Number of Mining Licenses issued during	2	4
Number of Quarry Licenses issued during ... ..	...	1
Number of Business Licenses issued during ... ..	...	...

* 80 acres.

TABLE C.

Table showing Number, Description, and Area of Mineral Leases in force.

Description of Minerals.	District.	Number of Leases.		Area in Acres.	
		1899.	1900.	1899.	1900.
Copper	Broad Arrow ...	5	...	120	...
Total ... ..	...	5	...	120	...

TABLE D.

* List of Ore-reduction Plants.

Goldfield.	Number of Stamps erected.		Value of Mining Machinery.	
	1899.	1900.	1899.	1900.
Broad Arrow	228	+ 235	£ 110,011	£ 159,880

* For details, see "Mining Statistics." + 1 Ball Mill, 1 Prospecting Mill, 1 Crushing Roller, 1 Puddler.

TABLE E.

* Particulars of Mining Accidents.

	1899.	1900.
Number of Men injured	6	5
Number of Men killed	3	5

* For details, see Mining Statistics.

TABLE F.

Showing Population of Goldfield on 31st December, 1900, as compared with 31st December, 1899.

Goldfield.	Males.		Females.		Total.		Increase.	Decrease.
	1899.	1900.	1899.	1900.	1899.	1900.		
Broad Arrow	2,259	1,878	603	502	2,862	2,380	...	482

TABLE G.

Mining Revenue, 1899-1900.

	District.	Year 1899.	Year 1900.
		£ s. d.	£ s. d.
Lease Rental under Goldfields Act	Broad Arrow	1,795 16 0	1,685 5 0
Other sources under Goldfields Act	Do.	560 9 6	393 1 3
Lease Rental under Mineral Lands Act	Do.	21 5 0	1 5 0
Other sources under Mineral Lands Act	Do.	1 5 0	5 14 0
Survey Fees (Leases, Areas, etc.)	Do.	246 12 6	272 10 0
Fees (Examination of Engine-drivers)	Do.	...	2 10 0
Exemption Fees	Do.	386 11 0	363 6 0
Receipts from Public Batteries	Do.	...	...
* Fees under Boiler Inspection Act	Do.	...	...
Receipts from all other sources	Do.	3 14 6	1 12 0
Total Mining Revenue		£3,015 13 6	£2,725 3 3

* Credited to Kanowna District.

TABLE H.

Average Number of Miners employed.

Goldfield.	Reef or Lode.		Alluvial.		Total.	
	1899.	1900.	1899.	1900.	1899.	1900.
Broad Arrow	882	646	390	134	1,272	780

TABLE I.
Water Supply during year 1900.

Goldfield.	Average depth at which Salt Water is struck.	Average depth at which Fresh or Stock Water is struck.	Government Tanks: Number and Contents.	Average Rainfall.
Broad Arrow	225 feet	Scarce; in two cases, 225ft. and 200ft.	Three; one empty, two contain 4,389,300gals.	Total inches— 9·54

TABLE J.
Ruling Rates of Wages during 1900.

	per week,	£	s.	d.
Miners above ground	per week,	3	10	0
Miners below ground	”	3	15	0
Miners wet ground	”	4	0	0
Engine-drivers	”	4	0	0
Mechanics	”	4	10	0
Carpenters	”	4	10	0
Labourers	”	3	10	0

TABLE K.
** Yield of Gold for year ended 1900.*

Goldfield.	Alluvial.	Dollied and Specimens.	Tons crushed.	Return in Ozs.	Total yield.		Average per ton, exclusive of Alluvial and Specimens.	
					1899.	1900.	1899.	1900.
Broad Arrow... ..	ozs. 1470·26	ozs. 268·44	73,493·17	50,694·62	ozs. 48,194·38	ozs. 52,433·32	ozs. ·80	ozs. ·69

For details, see Mining Statistics.

Warden's Report on the Coolgardie Goldfield for the year 1900.

The Under Secretary for Mines, Perth.

SIR,

I have the honour to submit, for the information of the Honourable the Minister of Mines, my Annual Report on the Coolgardie Goldfield for the year ending 31st December, 1900.

The year under review has been an uneventful one. I will, therefore, confine my remarks to such features that I think may be of interest concerning the progress of the mining industry generally. The mines in the various centres which have for some time been looked upon as regular producers have kept up a steady output during the year, and, judging from present appearances, seem likely to continue to do so for some considerable time. Other properties, upon which large sums have been expended, chiefly in development work, have, on the eve of the likelihood of their turning out a success, been obliged to apply for exemption, owing to the difficulty that has been experienced in obtaining the necessary funds to continue development work. However, there is little doubt that, given no financial troubles, numerous mines exist throughout the field which, with good crushing facilities and economical working, can be made to pay handsomely.

It is interesting to note that several mines, previously held by companies and subsequently abandoned as worthless, have been re-applied for by prospectors, in some cases with remarkably good results.

Coolgardie has now come to be looked upon as a field of low-grade ore, say, an average of half an ounce to the ton. I might quote the case of Tindall's Coolgardie Gold Mining Company, No-Liability, as an example of what may be done with practised economy in every department with this class of stone. During the year this Company treated 8,446 tons for 1,457·62 ounces, and, although the returns only averaged 3dwts. 10grs. per ton, a very good profit was realised. The mine is worked by means of an open cut, same being about 50 feet in depth. The ore is obtained from a lode averaging about 40 to 80 feet in width, and is treated at a 10-head mill on the property. The water for crushing purposes is obtained from The Golden Bar G.M. Company, No-Liability, by means of pipes, and costs the Company 3s. 6d. per 1,000 gallons. The cost of treatment, including all expenses, is 10s. per ton, and with an average crushing of 3½ dwts. per ton, leaves a profit to the Company of 4s. per ton.

Two of the chief mines in the field, Bayley's United and Burbanks Birthday Gift, have done good work, the former having obtained a depth of 720 feet, this being the deepest shaft on the field. At the latter 60 head of stamps are erected and kept constantly at work.

A fair amount of activity has been shown in the Kunanalling District, and the large prices realised for Town Blocks in the Townsite of Kunanalling seems to be a fair criterion of the faith placed in the locality by the inhabitants. This District has a large number of mines with excellent prospects, and it seems reasonable to assume that with a more satisfactory means of cartage and travelling the properties will receive a greater amount of attention.

The Public Battery erected during the year at Widgiemooltha has hardly been the success it was anticipated it would be, owing chiefly to the low grade class of stone sent for treatment, but considering the short time it has been running, it is rather early to predict either its ultimate success or failure.

A large area of land taken up at Lake Lefroy as Sluicing and Dredging Leases is being systematically tested for payable material, and, as far as appearances go, the prospects seem good.

Alluvial mining is still being carried out in various parts of the field with a fair amount of success, but nothing of a sensational character has been unearthed.

In conclusion, I may state that the field, generally speaking, is in much the same state as it was at the end of the year 1899, although steady progress has been made in developments, during which the field has certainly held its own.

I attach hereto a list of tables showing the work transacted in the Coolgardie Office during the year.

I have, etc.,

E. P. DOWLEY,
Warden.

Warden's Office, Coolgardie, 1st March, 1901.

COOLGARDIE DISTRICT.

TABLE A.

Applications for Leases, etc., under the Goldfields Act.

	Year 1899.	Year 1900.
Number of Gold Mining Leases applied for	102	68
Area of Gold Mining Leases applied for, in acres	1,061	829
Number of Gold Mining Leases abandoned, surrendered, or forfeited	16	119
Number of Gold Mining Leases refused	Nil.	3
Number of Gold Mining Leases in force	272	212
Area of Gold Mining Leases in force, in acres	3,427	2,786
Number of Water Rights in force	30	22
Area of Water Rights in force, in acres	212	200
Number of Quartz Claims in force	37	30
Number of Alluvial Claims do.	—	—
Number of Protection Areas do.	12	7
Number of Residence Areas do.	67	67
Number of Business Areas do.	53	59
Number of Machine Areas do.	12	13
Number of Tailings Areas do.	11	12
Number of Garden Areas do.	5	10
Number of Miners' Rights issued during	838	528
Number of Business Licenses issued during	12	15

KUNANALLING.

TABLE A.

Applications for Leases, etc., under the Goldfields Act.

	Year 1899.	Year 1900.
Number of Gold Mining Leases applied for	63	62
Area of Gold Mining Leases applied for, in acres	648	769
Number of Gold Mining Leases abandoned, surrendered, or forfeited	5	64
Number of Gold Mining Leases refused	3	Nil.
Number of Gold Mining Leases in force	122	123
Area of Gold Mining Leases in force, in acres	1,583	1,570
Number of Water Rights in force	40	43
Area of Water Rights in force, in acres	118	135
Number of Quartz Claims in force	7	17
Number of Alluvial Claims do.	—	—
Number of Protection Areas do.	11	12
Number of Residence Areas do.	1	1
Number of Business Areas do.	73	77
Number of Machine Areas do.	5	6
Number of Tailings Areas do.	1	1
Number of Garden Areas do.	—	Nil.
Number of Miners' Rights issued during	—	—
Number of Business Licenses issued during	—	—

COOLGARDIE.

TABLE B.

Applications for Leases, etc., under the Mineral Lands Act.

	Year 1899.	Year 1900.
Number of Mineral Leases applied for	2	6
Area of Mineral Leases applied for, in acres	22	93
Number of Mineral Leases abandoned surrendered, or forfeited	1	3
Number of Mineral Leases refused	<i>Nil.</i>	<i>Nil.</i>
Number of Mineral Leases in force	5	4
Area of Mineral Leases in force, in acres	45	40
Number of Water Rights in force		
Area of Water Rights in force, in acres		
Number of Lode Claims in force		
Number of Alluvial Claims in force		
Number of Protection Areas in force	<i>Nil.</i>	<i>Nil.</i>
Number of Residence Areas in force		
Number of Business Areas in force		
Number of Machine Areas in force		
Number of Tailings Areas in force		
Number of Garden Areas in force		
Number of Mining Licenses issued during	9	5
Number of Quarry Licenses issued during	<i>Nil.</i>	<i>Nil.</i>
Number of Business Licenses issued during		

TABLE C.

Table showing Number, Description, and Area of Mineral Leases in force.

Description of Minerals.	District.	Number of Leases.		Area in Acres.	
		1899.	1900.	1899.	1900.
Mica	Coolgardie	2	2	26	26
Clay	Do.	1	1	12	12
Stone	Do.	2	1	7	2
Copper	Kunanalling ... ..	...	...	...	...
Total		5	4	45	40

TABLE D.

** List of Ore-reduction Plants.*

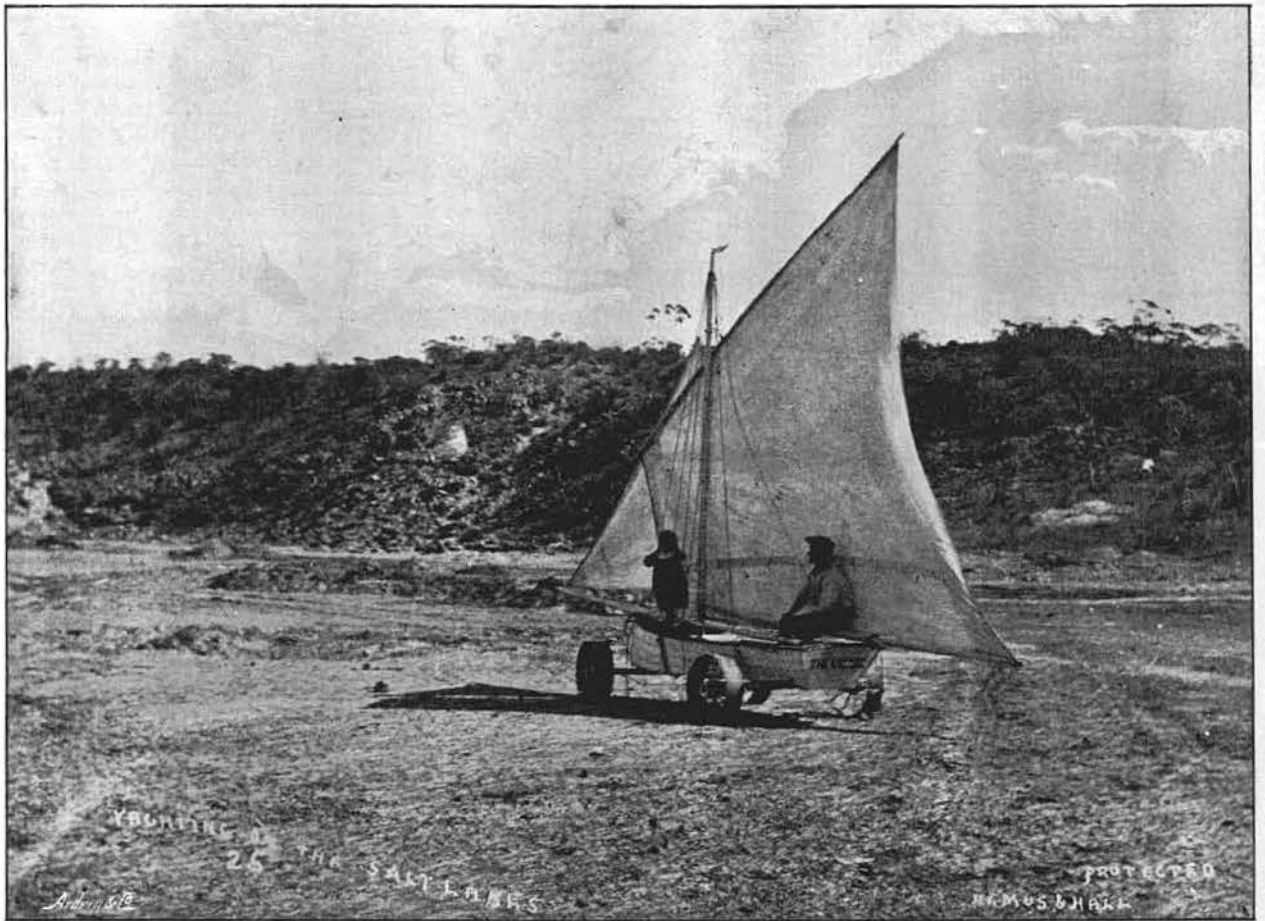
District.	Number of Stamps Erected.		Value of Mining Machinery.	
	1899.	1900.	1899.	1900.
Coolgardie	353	†416	£ 179,667	£ 255,276
Kunanalling	136	†138	53,338	72,246
Total	489	554	£233,005	£327,522

* For details, see Mining Statistics. † Also 1 Tremair Mill, and 1 Prospecting Mill.
 † Also 2 Ball Mills, 1 Tremain Mill, and 1 Prospecting Mill.

TABLE E.

Particulars of Mining Accidents.

	1899.	1900.
Number of Men injured	6	11
Number of Men killed	5	4



Yachting on a Salt Lake.

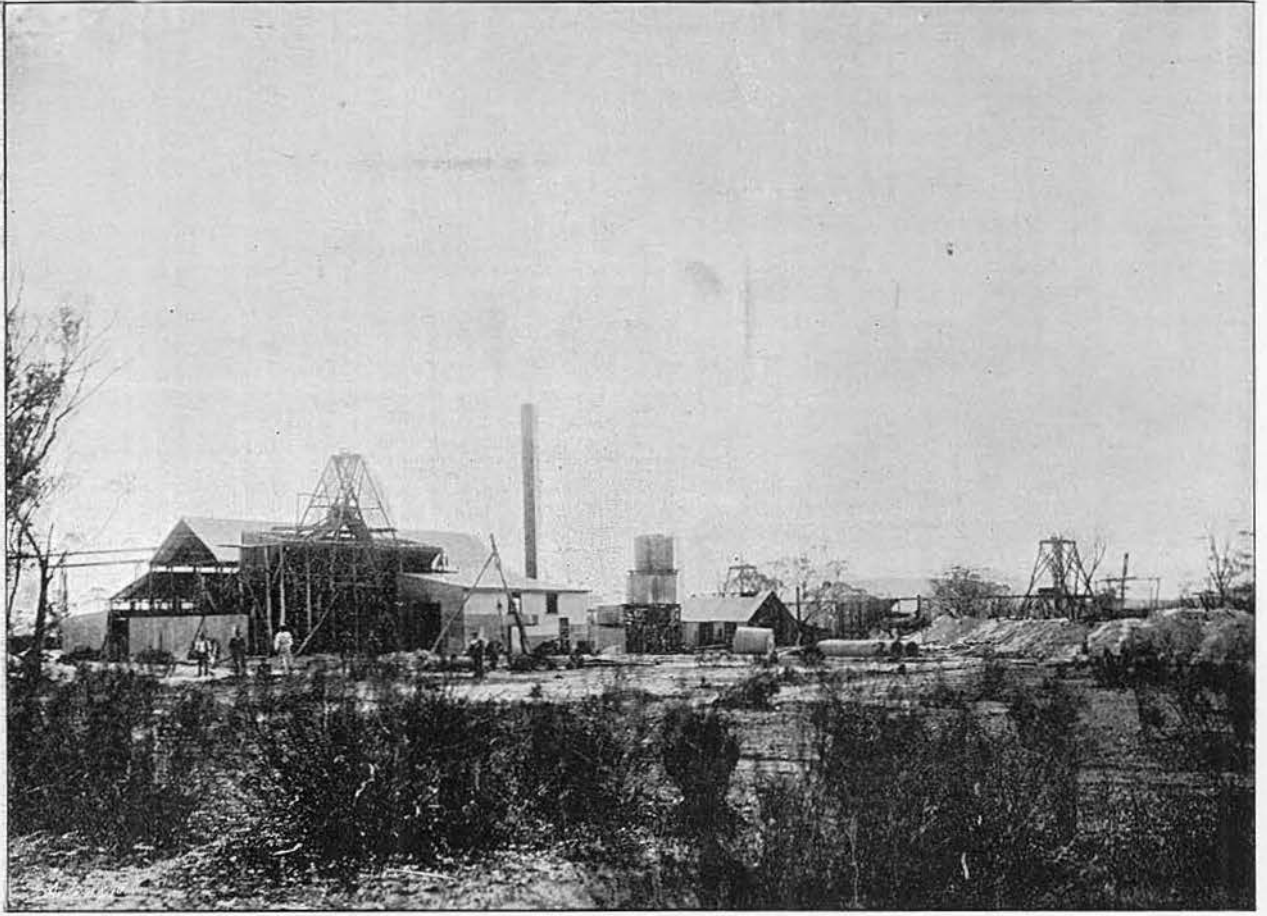


Bayley Street, Coolgardie, 1895.



Bayley Street, Coolgardie, 1900.

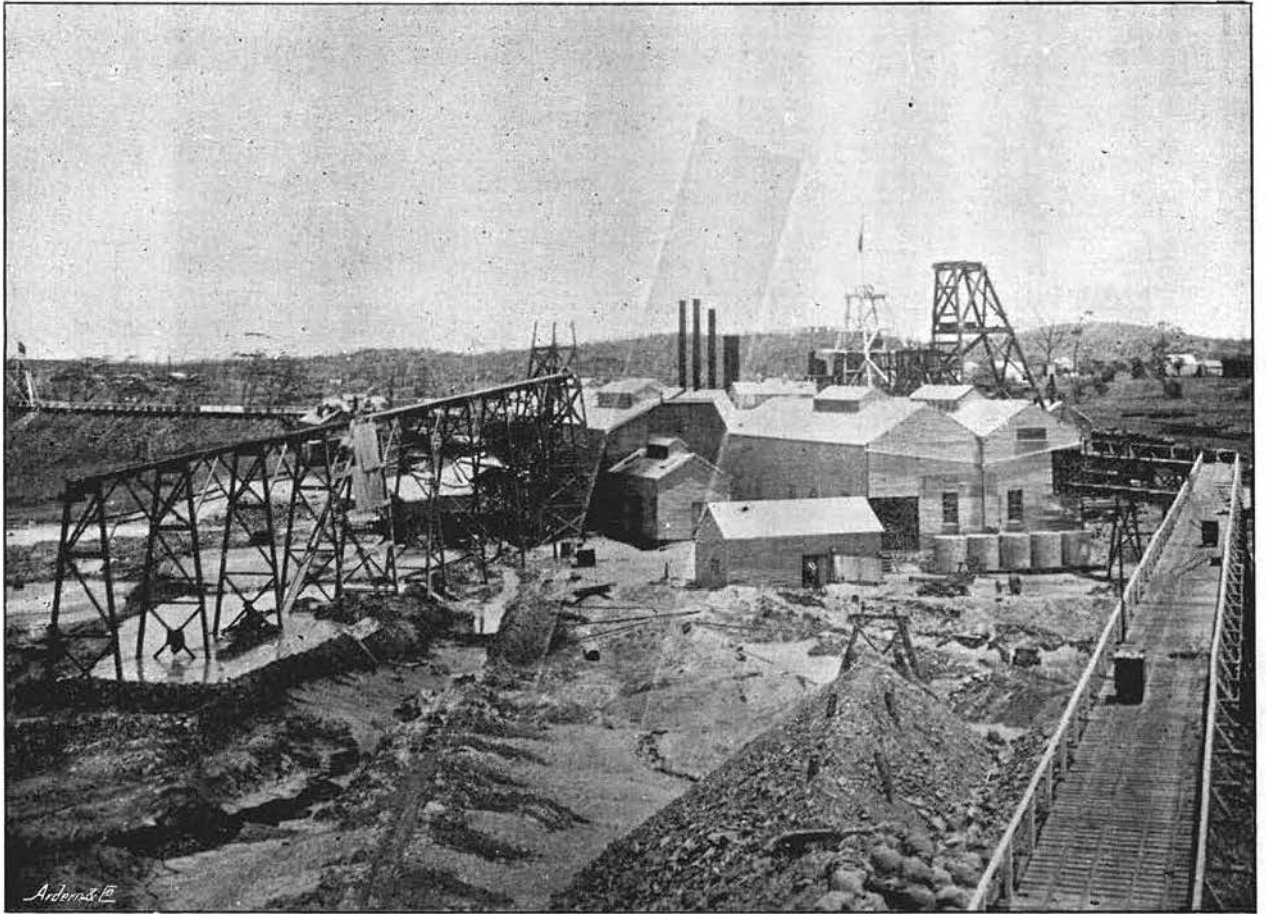
Coolgardie G.F.



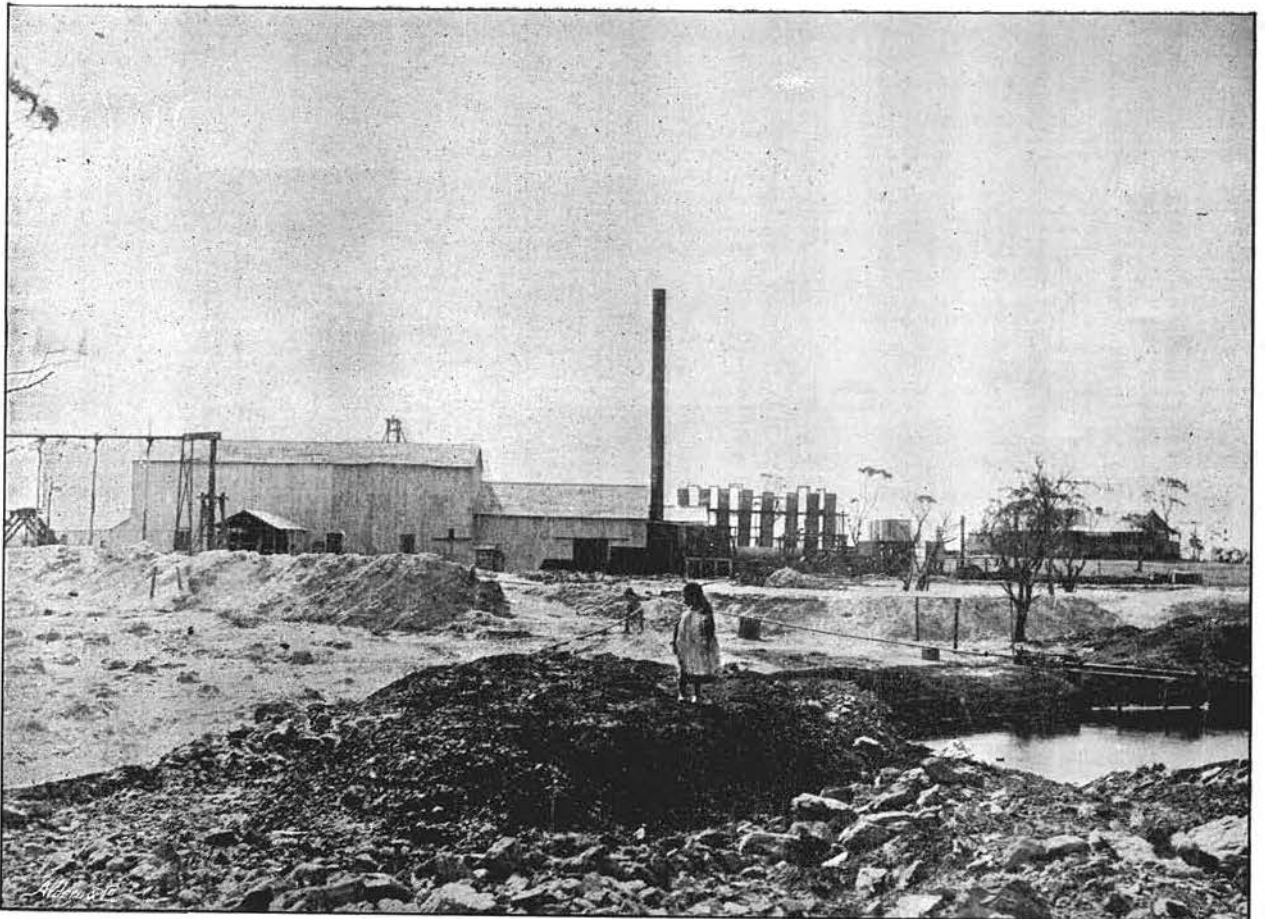
New Victoria Consols.
Bonnievale, Coolgardie G.F.



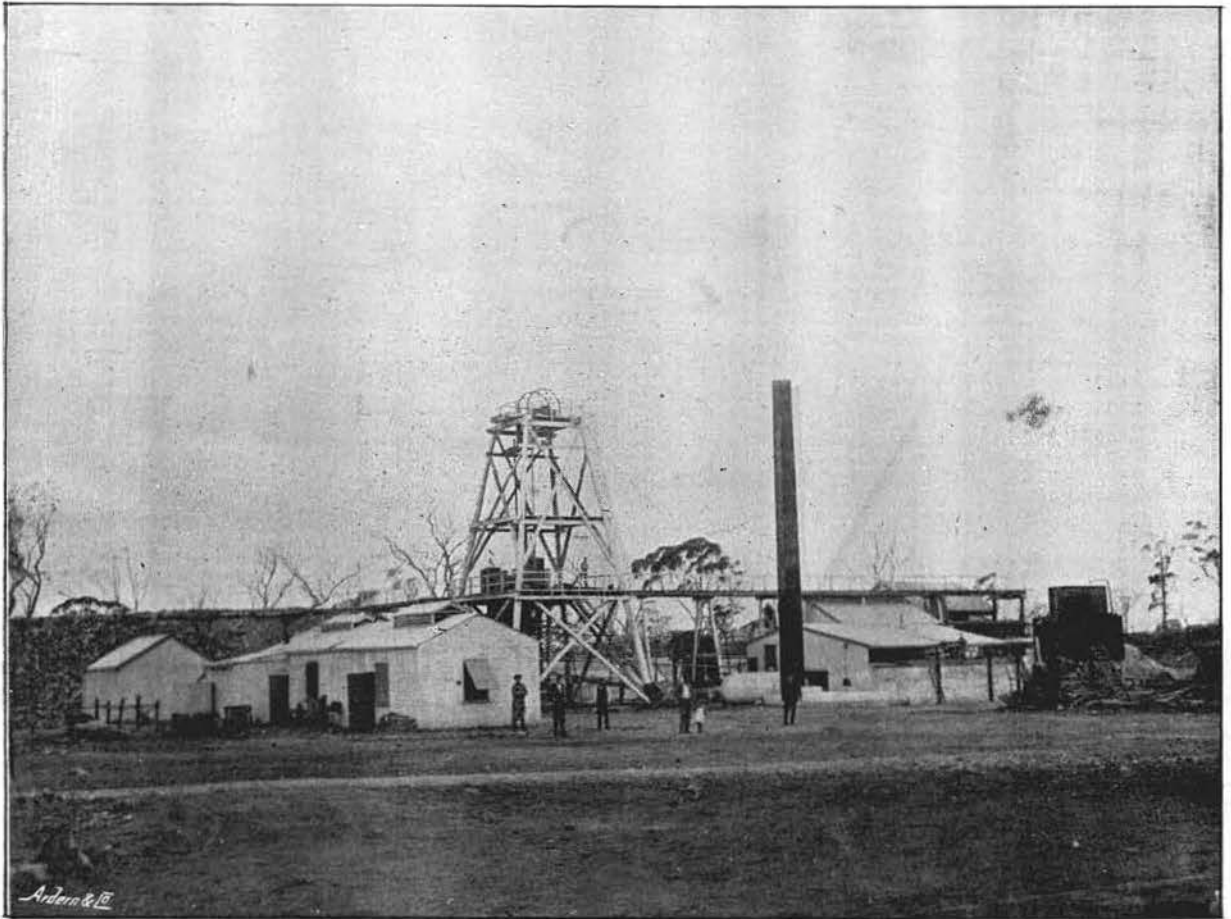
Blackfellow's Grave.



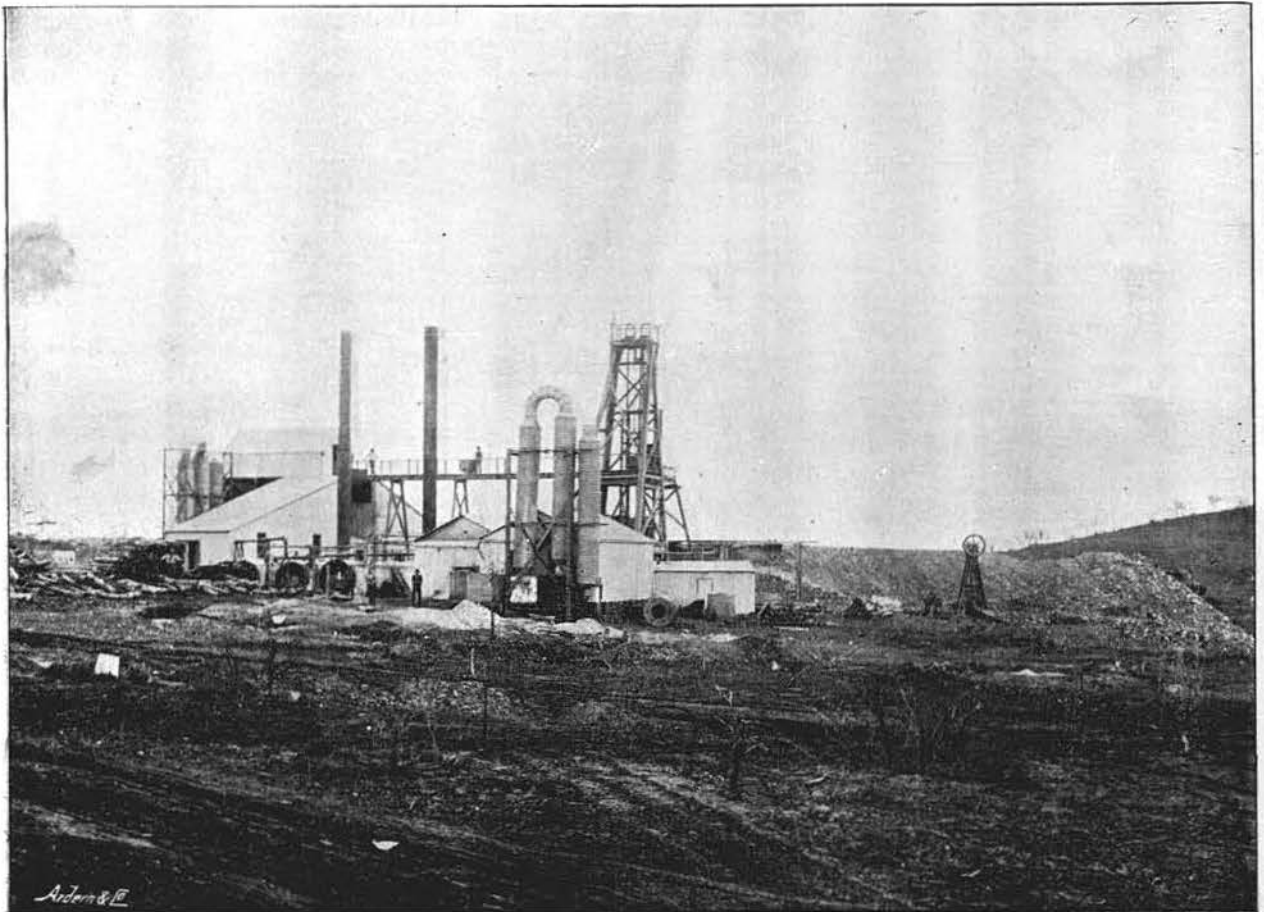
Westralia & East Extension.
Bonnievale, Coolgardie G.F.



Burbanks G. M.
Coolgardie G.F.



Londonderry.
Coolgardie G.F.



Lady Loch.
Coolgardie.



Bayley's United.
Coolgardie.



Vale of Coolgardie.
Bonnievale, Coolgardie G.F.

TABLE F.

Showing Population of each District on 31st December, 1900, as compared with 31st December, 1899.

District.	Males.		Females.		Total.		Increase.	Decrease.
	1899.	1900.	1899.	1900.	1899.	1900.		
Coolgardie	3,757	3,883	2,254	2,310	6,011	6,193	182	...
Kunanalling	464	464	124	125	588	589	1	...
Total	4,221	4,347	2,378	2,435	6,599	6,782	183	...

TABLE G.

Mining Revenue, 1899-1900.

	District.	Year 1899.			Year 1900.		
		£	s.	d.	£	s.	d.
Lease Rental under Goldfields Act	Coolgardie ...	5,020	0	0	4,593	11	0
Other sources under Goldfields Act	Do. ...	1,135	3	7	755	12	6
Lease Rental under Mineral Lands Act	Do. ...	19	10	0	10	12	6
Other sources under Mineral Lands Act	Do. ...	3	18	0	19	2	0
Survey Fees (Leases, Areas, etc.)	Do. ...	1,078	10	0	1,010	0	0
Fees (Examination of Engine-drivers)	Do. ...	69	13	0	49	10	0
Exemption Fees	Do. ...	781	17	0	610	0	0
Receipts from Public Batteries	Do. ...	...	...	...	435	17	3
Fees under Boiler Inspection Act	Do. ...	213	16	0	350	10	0
Receipts from all other Sources	Do. ...	37	14	3	13	7	9
Total Mining Revenue ... ..	...	£8,360	1	10	£7,848	3	0

TABLE H.

Average Number of Miners employed.

District.	Reef or Lode.		Alluvial.		Total.	
	1899.	1900.	1899.	1900.	1899.	1900.
Coolgardie	1,726	1,228	100	200	1,826	1,428
Kunanalling	834	524	30	100	864	624
Total	2,560	1,752	130	300	2,690	2,052

TABLE I.

Water Supply during Year 1900.

DISTRICT.	Average depth at which Salt Water is struck.	Average depth at which Fresh or Stock Water is struck.	Government Tanks—Number and Contents.	Average Rainfall.
Coolgardie	about 85 feet	about 80 feet	No. 10; 14,056,200 gallons	11'38in.

TABLE J.
Ruling Rates of Wages during 1900.

	per week,	£	s.	d.
Miners above ground	...	3	5	0
Miners below ground	...	3	10	0
Miners wet ground	...	4	0	0
Engine-drivers	...	4	0	0
Mechanics	...	4	0	0
Carpenters	...	4	0	0
Labourers	...	3	5	0

* TABLE K.
Yield of Gold for Year ended 1900.

District.	Alluvial.	Dollied and Specimens.	Tons crushed.	Return in Ozs.	Total yield.		Average per ton, exclusive of Alluvial and Specimens.	
					1899.	1900.	1899.	1900.
	OZS.	OZS.			OZS.	OZS.	OZS.	OZS.
Coolgardie	1,388.69	123.75	104,271.92	79,726.02	106,770.83	81,238.46	.82	.76
Kunanalling	236.07	196.31	28,815.83	20,742.17	24,486.06	21,174.55	.68	.71
Total	1,624.76	320.06	133,087.75	100,468.19	131,256.89	102,413.01	.79	.75

* For details, see Mining Statistics.

Warden's Report on the Donnybrook Goldfield for the year 1900.

To the Under Secretary for Mines, Perth.

SIR,

Donnybrook, 5th February, 1901.

Herewith I have the honour to forward, for the information of the Hon. the Minister, statistics relating to this field for the year 1900.

The year cannot be said to have been one of much progress for the field. The number of leases applied for and those in force show serious decreases as compared with 1899. Much of this is owing to leases having been taken up in 1899 for purely speculative purposes, and naturally abandoned.

It is noticeable, however, that the revenue, though less, has not decreased in the same proportion. The properties held by Mr. Maryanski have been taken over by a company, who are now actively engaged in developing them. It is, as yet, too early to say anything as to results, as the Statist's figures show what crushings there have been from the field have been at long intervals owing to there being no reliable crushing plant on the field. Neither the Tremain mill or the Ball crusher, which were erected here in 1899, were at all satisfactory, and the Government Public Battery (5-head), set up during last year, has not been working long enough to prove what is the value of the field.

Late in the year a syndicate of local men started boring for alluvial on the flats leading from the goldfield to the town. Up to the present the results have been promising, but not payable. Should there prove, however, to be payable alluvial, it will have the effect of bringing the workings nearer to the township, which is, in fact, situated on a part of the same flat near its junction with the Preston River.

During the year a Warden's Court and Registrar's office and quarters have been erected in the township, which much facilitates the transaction of business. A Local Court has also been established by the Crown Law Department, and is held every month.

Besides the gold discoveries, on the strength of which this was first proclaimed a mining field, there bids fair to be a remunerative trade here in freestone for building purposes. Several promising quarries of this have been found during the past year, and five leases altogether have been applied for for working it. As this stone has been specified for several important buildings in the capital, I confidently anticipate that there will be a flourishing industry in it here ere long. In connection with this, I may say that the new road to the fields, made by the Government during the year, has already proved a great convenience; but if the quarrying industry is to be really a good and permanent one, there will soon be a tramway required to the quarries, so as to avoid so much handling of the stone as is now inevitable.

The development of this field has certainly been slow up to the present, but the result of the crushings for the year (1.26oz. per ton) is sufficient, in my opinion, to justify more public confidence than at present exists, and to induce capitalists to invest in properties here, inasmuch as the conditions under which mining is carried on are much easier than on most of the goldfields in the State, fresh water being plentiful, and timber, both for mining and fuel, being available in unlimited quantities, and in most cases on the very ground.

I have, etc.,

W. A. G. WALTER,
Warden.

TABLE A.
Applications for Leases, etc., under the Goldfields Act.

	Year 1899.	Year 1900.
Number of Gold Mining Leases applied for	153	17
Area of Gold Mining Leases applied for, in acres	2,793	249
Number of Gold Mining Leases abandoned, surrendered, or forfeited ...	11	71
Number of Gold Mining Leases refused	4	6
Number of Gold Mining Leases in force	45	36
Area of Gold Mining Leases in force, in acres	807	575
Number of Water Rights in force ... ..	...	...
Area of Water Rights in force, in acres ... ..	...	...
Number of Quartz Claims in force ... ..	...	...
Number of Alluvial Claims in force ... ..	...	...
Number of Protection Areas in force	22	24
Number of Residence Areas in force ... ..	...	...
Number of Business Areas in force ... ..	...	...
Number of Machine Areas in force	1	1
Number of Tailings Areas in force ... ..	...	...
Number of Garden Areas in force ... ..	...	...
Number of Miners' Rights issued during	199	52
Number of Business Licenses issued during ... ..	...	...

There are 15 leases, covering 210 acres, held under the Mining on Private Property Act not included in above figures.

TABLE B.
Applications for Leases, etc., under the Mineral Lands Act.

	Year 1899.	Year 1900.
Number of Mineral Leases applied for	2
Area of Mineral Leases applied for, in acres	30
Number of Mineral Leases, abandoned, surrendered, or forfeited
Number of Mineral Leases refused
Number of Mineral Leases in force
Area of Mineral Leases in force, in acres
Number of Water Rights in force
Area of Water Rights in force, in acres
Number of Lode Claims in force
Number of Alluvial Claims in force
Number of Protection Areas in force
Number of Residence Areas in force
Number of Business Areas in force
Number of Machine Areas in force
Number of Tailings Areas in force
Number of Garden Areas in force
Number of Mining Licenses issued during	6
Number of Quarry Licenses issued during
Number of Business Licenses issued during

TABLE C.
Table showing Number, Description, and Area of Mineral Leases in force.

Description of Minerals.	District.	Number of Leases.		Area in Acres.	
		1899.	1900.	1899.	1900.
Building Stone	Donnybrook ...	...	2	...	30
Total ... ..	...	...	2	...	30

TABLE D.

List of Ore-reduction Plants.

Goldfield.	Number of Stamps Erected.		Value of Mining Machinery.	
	1899.	1900.	1899.	1900.
Donnybrook	*	† ‡5	£ 800	£ 3,200

* 1 Tremain Mill. † 1 Ball Mill and 1 Tremain Mill. ‡ 5-stamp Government Public Battery.

TABLE E.

Particulars of Mining Accidents.

	1899.	1900.
Number of men injured
Number of men killed	1

TABLE F.

Showing Population of Goldfield on 31st December, 1900, as compared with 31st December 1899.

Goldfield.	Males.		Females.		Total.		Increase.	Decrease.
	1899.	1900.	1899.	1900.	1899.	1900.		
Donnybrook	711	623	199	163	910	786	...	124

TABLE G.

Mining Revenue, 1899-1900.

	District.	Year 1899.	Year 1900.
Lease Rental under Goldfields Act	Donnybrook	£ 936 12 0	£ 823 16 0
Other sources under Goldfields Act	Do. ...	240 6 0	133 15 0
Lease Rental under Mineral Lands Act	Do. ...	...	1 17 6
Other sources under Mineral Lands Act	Do. ...	0 1 0	3 14 6
Survey Fees (Leases, Areas, etc.)	Do. ...	437 10 0	120 0 0
Fees (Examination of Engine-drivers)	Do. ...	...	...
Exemption Fees	Do. ...	37 15 0	311 10 0
Receipts from Public Batteries	Do. ...	...	114 15 0
Fees under Boiler Inspection Act	Do. ...	...	...
Receipts from all other sources	Do. ...	...	2 15 0
Total Mining Revenue ... ..	...	£1,652 4 0	£1,512 3 0

TABLE H.
Average number of Miners employed.

Goldfield.	Reef or Lode.		Alluvial.		Total.	
	1899.	1900.	1899.	1900.	1899.	1900.
Donnybrook	52	80	...	15	52	95

TABLE I.
Water Supply during Year 1900.

Goldfield.	Average depth at which Salt Water is struck.	Average depth at which Fresh or Stock Water is struck.	Government Tanks: Number and Contents.	Average Rainfall.
Donnybrook	30ft.	Preston River	40in.

TABLE J.
Ruling Rates of Wages during 1900.

	per week,	£	s.	d.
Miners above ground...	...	3	0	0
Miners below ground	...	3	10	0
Miners, wet ground	3	10	0
Engine-drivers	...	4	0	0
Mechanics	...	3	10	0
Carpenters	...	3	10	0
Labourers	...	3	0	0

TABLE K.
Yield of Gold for Year ended 1900.

Goldfield.	Alluvial.	Dolled and Specimens.	Tons crushed.	Return in ozs.	Total yield.		Average per ton, exclusive of Alluvial and Specimens.	
					1899.	1900.	1899.	1900.
Donnybrook	360·00	453·10	ozs. 511·49	ozs. 453·10	ozs. 1·62	ozs. 1·26

*Warden's Report on the Dundas Goldfield, for the year 1900.**The Under Secretary for Mines, Perth.*

SIR,

I have the honour to submit the following General Report on the Dundas Goldfield, for the year ended the 31st of December, 1900.

I arrived at Norseman on the 13th of May last (under transfer) to take charge of the Dundas Goldfield, and although my personal knowledge of the District does not extend over a very long period, I am pleased to be able to report, that this Goldfield appears to have made fairly satisfactory progress during the year under review.

The gold output was not quite so large as that for the previous year (1899), but as a great deal of development work has been carried out on nearly all of the principal mines, they will doubtless be in a position to largely increase their output for the coming year.

A number of mines which were taken up in the early days of the field, and afterwards abandoned, as not being payable, are now being worked, and in most cases satisfactory results are being obtained.

The two great difficulties which the Dundas Goldfield has to contend with are the want of a good water supply for the mines, and the high rates of carriage to the field. Situated as Norseman is, nearly midway between the port of Esperance and Coolgardie, it necessitates the carriage of goods from either place by horse and camel teams for a distance of over one hundred miles. This difficulty was particularly felt during the past winter, when, owing to the heavy rainfall, and consequent bad state of the roads, the traffic was constantly being delayed, on several occasions, so much so, that not only was the work at the mines seriously interfered with, but the whole field was threatened with a famine.

The only way to overcome this great difficulty, which so seriously hampers the mining industry, and retards the progress of the whole district, is to extend the railway service of the State to Norseman, and although I have only been resident here a few months, from what I have seen of the resources and capabilities of the District, I certainly think that its future prospects as a payable and permanent goldfield warrants the early construction of a line of railway to Norseman. The fact that the Dundas Goldfield has held its own so well, whilst labouring under so many disadvantages, speaks well for its future.

The deepest shaft on the field is the Viking shaft, on the Norseman Gold Mines, Limited. This is sunk to a depth of five hundred feet, and the manager reports "that the outlook is very encouraging." This company (Norseman Gold Mines, Limited) deserve great credit for the energy and determination they have displayed in developing their property in the face of great difficulties, and I trust that ere long their plucky efforts may be rewarded by the possession of a rich and dividend-paying mine. The property has a first-class mining plant on it, and is thoroughly well equipped throughout.

The Princess Royal (5 miles North of Norseman) is now a thriving and important centre, with a population of about 400. The great success that has attended the development of the big mine (the Princess Royal) has apparently induced other companies to take up properties in the locality, and a number of mines are now being developed there. A supply of fresh water has been obtained at a depth of 70ft., on a Water Right held by the Princess Royal Gold Mines, and situated about three-quarters of a mile East of the mine. The water is now carried to the mine through pipes by gravitation, and I believe an ample supply is obtained both for mining and domestic purposes. This is very encouraging, as up to the present time it was thought that no fresh water could be obtained by sinking in the vicinity of the mines.

Mining matters at the Peninsula, Dundas, and Buldania are very dull, only a few men being employed at each place. The Day Dawn Mine (Hinemoa) at the Peninsula, after being hung up for the past 16 months, has now been let to a party of miners on a two year's tribute, and the tributers are making preparations for working the property.

Alluvial.—A fair quantity of alluvial gold appears to have been won during the year from the various alluvial gullies near Norseman, but there is no means of arriving at a correct estimate of the total. During the latter part of the year about 30 men were at work on Ragged Gully, and a few others at Narracoorte and Morrelli Gullies. I should say the average number of alluvial miners employed during the year would be about 45 or 50.

Timber Supply.—The Dundas Goldfield is splendidly timbered with extensive forests of eucalyptus, and the supply of timber for mining and building purposes and for firewood is practically inexhaustible.

Accidents.—Twelve accidents occurred on the mines during the year, one of which, I regret to state, proved fatal, a miner named Evan Morgan being killed at the Princess Royal Mine through a fall of earth.

Climate and Rainfall.—The past season has been the best the district has had since the inception of mining (6th April, 1894). 1,253 points of rain were registered at the Norseman Post Office during the year, and in some parts of the district the rainfall was much heavier. As a result of this the country was splendidly grassed. Whilst travelling between Coolgardie and Norseman, I was surprised to see such large areas of well grassed, nice looking pastoral country lying idle and unoccupied. Doubtless the great difficulty hitherto experienced in obtaining good stock water accounts for this. Taking advantage of the good season, many of the residents of Norseman were able to grow large quantities of all sorts of vegetables and garden flowers. Both the soil and the climate here, appear to be highly favourable to the successful cultivation of all cereals and vegetable crops, if a moderate annual rainfall could only be obtained. A few small patches of wheat and barley, which were grown in the Residency paddock, were equal to the best crops I have seen in the South-Western agricultural districts.

I am pleased to report that the general health of the field during the year has been excellent, there being a remarkable immunity from infectious diseases. Typhoid fever, which was such a dread scourge on the goldfields a few years ago, was almost entirely absent, only a few slight cases being reported, and no deaths. The Municipal Council, and the Board of Health of Norseman, are to be congratulated on the excellent sanitary conditions of the town.

Eighty-four patients were admitted to the Norseman Hospital during the year; and 37 births (13 males and 24 females), 7 deaths (5 males and 2 females), and 12 marriages were registered. Of the deaths two were infants, and one the result of an accident, the death rate for the year being remarkably low.

Education.—One hundred and twelve children were on the roll of the Norseman State School at the end of the year. A school has also been opened at the Princess Royal, 23 children being on the roll.

I append hereto a list of Tables A to K, giving the detailed statistics of the field for the years 1899 and 1900. Also, reports from the managers of a number of the principal mines, showing the developments during the past year and the prospects for the coming year.

Before closing this Report, I would like to express my thanks to the members of my staff, Messrs. Dawson, McGinn, and Wilcox, for the efficient and zealous manner in which they carried out their duties during the year.

I have also to thank the mine managers for their courtesy in furnishing reports on their respective mines.

I have, etc.,

P. L. GIBBONS,

Warden, Dundas Goldfield.

Warden's Office, Norseman, 25th January, 1901.

The following reports have been received from the various mine managers:—

REPORT ON PRINCESS ROYAL GOLD MINES.

At the end of February, 1900, a new cyanide plant of two solution and five leaching vats of a capacity of 100 tons each, and capable of a possible monthly output of 2,000 tons was started.

The 30-head stamp mill has been fitted up with self-feeders, and provided with ore bins. A stone-breaker has also been added to the crushing plant, which has been much improved, and a further boiler put in position. It is contemplated in the near future to complete the equipment of the mine by adding a plant for the treatment of slimes (of which there are at a low estimate 8,000 tons, assay value 8 dwts), and also a rock drilling plant.

A water shaft has been sunk to a depth of 70 feet on a Water Right lately acquired about three quarters of a mile East of the mine, and a splendid and ample supply of almost fresh water has been obtained. Arrangements are being made for bringing the water to the mine by means of pipes.

The total amount of development work underground for the past year has been—

Driving	...	...	...	...	1,785 feet.
Sinking	...	...	...	...	848 feet.

The total amount of ore treated and gold obtained for the year has been—

By Battery, 13,071 tons crushed for 10,741·95 ozs.
By Cyanide, 18,810 tons treated for 7,722·05 ozs.

Average number of men employed for the year—

Above ground	55
Under ground	111

Total	166
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The working costs as shown in the half-yearly report for the six months ending 31st October, 1900, have been—

Mining	...	...	£1 1s. 10½d. per ton raised and crushed.
Milling	...	...	7s. 9d. do. do.
Cyaniding	...	...	5s. 6d. do. do.
Development	...	...	17s. 5·68d. do. do.

The following shows the output from, and dividends paid by the mine from flotation of Company in October 1895, up to the 31st December, 1900:—

* Ore crushed	...	...	...	33,085 tons.
Gold yield, Battery and Cyanide	...	...	...	45,693ozs.
Dividends paid	...	...	...	£44,000.
Total cash capital subscribed by Shareholders	...	...	...	£14,625.

* The "Mining Statistics" show a total of 33,105·50 tons for 45,931·13ozs. from the leases of this Company. The difference is accounted for by sundry parcels having been treated prior to its formation.

REPORT ON NORSEMAN GOLD MINES, LIMITED.

Shaft sinking has been confined to the Viking shaft, which has now reached a depth of 500 feet through very hard diorite country, the reef going down strong all the way, and of payable quality. At the present depth, the Viking shaft is the deepest point reached on the Dundas Goldfield, and the outlook is very encouraging.

Winzes and Air Passes.—A total of 454 feet has been sunk in winzes and passes, and 996 feet of drives put in.

* *Ore Milled.*—24,331 tons were raised and milled during the year for a yield of 8,471·21ozs. of smelted gold.

† *Cyanide.*—During the year a Cyanide plant of about 1,600 tons capacity per month has been erected; this was started in June last, and 10,288 tons of tailings treated for a return of 2,349·57ozs. of smelted gold.

Water Supply.—The supply of water has been good, though the water is very dense, containing 18 per cent. of solids, which is proving most destructive to the pumps and pipes leading up to the mine, and causing heavy incrustation in the condensing boilers.

Average number of men employed for the year, 140.

The prospects of the mine have improved generally during the year.

* Returned to Statist:—24,331 tons for 8,471·20ozs.

† Returned to Statist:—Cyanide 2,349·81ozs. from 10,288 tons tailings.

REPORT ON THE LADY MARY MINE.

On the 1st of February, 1900, the deepest shaft was 190 feet vertical. No gold of payable quality had been obtained below 130 feet; the good chutes were practically worked out. 300 feet of driving North and South has been done at the 130 and 190 feet levels to try and pick up the gold chute which was so rich above the 130 feet level. Nothing was met with, and a winze was then sunk 460 feet North of the main shaft from the 190 feet level. No reef or gold was met with for the first 22 feet, when a chute of stone value 15dwts. per ton average came in and continued to 55 feet, at which point the reef was 3 feet 6 inches wide and still of 15dwts. value. A start was then made to sink No. 7 underlay 316 feet North of the main shaft, commencing from the 190 feet level. This is now down 62 feet, making a total of 252 feet—190 vertical, and 62 at an angle of 45 degrees.

No. 1 underlay, which adjoins the Lady Mary South Mine, and which was only down 100 feet from the surface, is being sunk jointly by the two Companies. It is now 207 feet in depth, and will be continued to 300 feet. The shaft passed through the first chute of stone at 90 feet. No quartz has been met with since, but the walls are still well defined, and there is every chance of getting a second make before 300 feet is reached.

Total amount of sinking done for the year, 224 feet; driving, 300 feet. Average number of men employed, 52. Total wages paid, £10,358 16s. 3d.

* *Ore Milled.*—2,333 tons of Lady Mary ore has been milled for a yield of 1,046·55ozs. 911 tons† were crushed for local syndicates, yielding 571·62ozs.

‡ *Cyanide.*—An efficient Cyanide plant has been purchased and erected during the year, and since its completion 3,860 tons have been treated from tailings heap, yielding 906·30ozs.

Water.—A large increase of water has been met with in No. 7 shaft. This now amounts to about 6,000 gallons per day, and looks likely to further increase as sinking is accomplished.

The main shaft on which the machinery is erected was put down five years ago in a very unsuitable position, and development work had almost been completely neglected during the time the mine was a large gold producer and dividend payer.

Two calls of 6d. have been made during the year in order to purchase Cyanide plant and develop the mine. No. 7 shaft looks very promising for deeper work, and is quite likely to place the mine on the list of good gold producers before the end of the present year.

* Returned to Statist—2,333 tons for 1,029·30ozs., Lady Mary ore.

† Do. do. 966 tons for 569·23ozs., crushings for local syndicates.

‡ Do. do. cy. 906·25ozs., Lady Mary cyanide (from 3,860 tons tailings).

REPORT ON MOUNT BENSON MINE.

During the year work on this mine was partially suspended, the work done being mostly confined to stoping. The hard nature of the country making it impossible to successfully develop the mine with hand labour, a rock drill plant has been ordered and is now being delivered at the mine.

* *Ore Milled.*—During the year 940 tons of stone were crushed and cyanided for a yield of 915ozs. of smelted gold.

Water Supply.—The supply at the battery not being sufficient to keep the battery fully employed, the drains lately held by the Water Company on Lake Cowan have been secured. At the mine water was struck at 140 feet from the surface, this shaft is now being sunk to further increase the supply.

The average number of employees during the year was 23.

* Returned to Statist:—930 tons for 727·40ozs.

cy. 187·16ozs. from 1,035 tons tailings.

914·56ozs.

REPORT ON THE PRINCESS ROYAL NORTH MINE.

A new main shaft (vertical) has been put down 95 feet to water level. This shaft is 10 feet by 4 feet in the clear, well timbered, and is now being equipped with a winding and Cornish pumping plant for the purpose of deep sinking. During the year 350 feet of driving has been done on the lode at a depth of 110 feet, and 50 feet of sinking on the underlay.

Nine men have been employed during the year.

* A trial crushing of 20 tons of ore gave a return of 32·82ozs. of smelted gold. The stone was treated by battery and cyanide.

* Returned to Statist:—20·00 tons for 27·15ozs.
cy. 5·65ozs. from 13 tons tailings.
32·80ozs.

REPORT ON THE PRINCESS ROYAL SOUTH MINE.

Four hundred and fifty feet of boring by hand drop-drill has been done, with the object of deciding on a proper site for sinking a main shaft. The site having been selected, the shaft (vertical) is now down 73 feet; it is 10 feet by 4 feet in the clear, and well timbered. Two hundred and fifty feet of sinking and driving has been done on other parts of the mine.

Six men have been employed during the year.

There is no machinery on this mine yet, and no ore has been treated. This property is under the same management as the Princess Royal North, and the manager reports that the prospects of both mines are very good.

REPORT ON THE THREE COLONIES MINE.

During the year, 300 feet of sinking and driving has been done. Part of the work has been in very wet ground. A winding engine and boiler has been erected at the main shaft to cope with the water. A drop-drilling plant has been procured, and boring operations started to test the ground at a depth. No. 1 bore is now down 56 feet.

* A trial sample of 16 tons of ore was crushed and cyanided for a yield of 22·64ozs. of smelted gold. Six men were employed during the year.

* Returned to Statist.—16 tons for 18·05ozs.
cy. 4·22ozs. from 12 tons tailings.
22·27ozs.

REPORT ON THE FEDERATION MINE.

This mine is a new find about three miles North of Norseman. 200 feet of sinking and driving has been done, also a considerable amount of surface prospecting.

* A crushing of 57 tons of ore gave a return of 123·60ozs. of smelted gold.

The manager reports this line of reef to be totally distinct from any of the generally known mines here.

* Returned to Statist:—57·50 tons for 123·62ozs.
cy. 14·00ozs. from 26 tons tailings.
137·62 ozs.

Statement of Revenue received at Norseman-Dundas Goldfield during Year 1900.

	£	s.	d.
Internal Revenue	...	...	...
Land	...	...	...
Excise	...	...	...
Revenue Stamp Sales	...	...	...
Total	...	...	...
	<u>1,133</u>	<u>6</u>	<u>4</u>

DUNDAS GOLDFIELD.

TABLE A.

Applications for Leases, etc., under the Goldfields Act.

	Year 1899.	Year 1900.
Number of Gold Mining Leases applied for	64	32
Area of Gold Mining Leases applied for, in acres ...	715	341
Number of Gold Mining Leases abandoned, surrendered, or forfeited ...	58	57
Number of Gold Mining Leases refused	2	<i>Nil</i>
Number of Gold Mining Leases in force	110	93
Area of Gold Mining Leases in force, in acres	1,352	1,164
Number of Water Rights in force	48	42
Area of Water Rights in force, in acres	450	366
Number of Quarts Claims in force	26	26
Number of Alluvial Claims in force	3	3
Number of Protection Areas in force	3	11
Number of Resident Areas in force	55	64
Number of Business Areas in force	24	39
Number of Machine Areas in force	6	6
Number of Tailings Areas in force	3	3
Number of Garden Areas in force	<i>Nil</i>	1
Number of Miners' Rights issued during	305	265
Number of Business Licenses issued during	14	31
Exemptions granted	101	91
Protections granted	95	79

TABLE B.

Applications for Leases, etc., under the Mineral Lands Act.

	Year 1899.	Year 1900.
Number of Mineral Leases applied for
Area of Mineral Leases applied for, in acres
Number of Mineral Leases abandoned, surrendered, or forfeited
Number of Mineral Leases refused
Number of Mineral Leases in force	1	1
Area of Mineral Leases in force, in acres	6	6
Number of Water Rights in force
Area of Water Rights in force, in acres
Number of Lode Claims in force
Number of Alluvial Claims in force
Number of Protection Areas in force
Number of Residence Areas in force
Number of Business Areas in force
Number of Machine Areas in force
Number of Tailings Areas in force
Number of Garden Areas in force
Number of Mining Licenses issued during	2	5
Number of Quarry Licenses issued during
Number of Business Licenses issued during

TABLE C.

Table showing Number, Description, and Area of Mineral Leases in force.

Description of Minerals.	District.	Number of Leases.		Area in Acres.	
		1899.	1900.	1899.	1900.
Lime	Norseman	1	1	6	6
Total ... ..	...	1	1	6	6

TABLE D.

** List of Ore-reduction Plants.*

Goldfield.	Number of Stamps erected.		Value of Mining Machinery.	
	1899.	1900.	1899.	1900.
Dundas	192	+150	£ 78,059	£ 86,819

* For details, see "Mining Statistics." † Also 2 Ball Mills, 1 Huntington Mill, 4 Prospecting Mills, 1 Dry Crusher.

TABLE E.

Particulars of Mining Accidents.

	1899.	1900.
Number of Men injured	7	11
Number of Men killed	0	1

TABLE F.

Showing Population of Goldfield on 31st December, 1900, as compared with 31st December, 1899.

Goldfield.	Males		Females.		Total.		Increase.	Decrease.
	1899.	1900.	1899.	1900.	1899.	1900.		
Dundas	1,039	942	361	523	1,400	1,465	65	...

TABLE G.

Mining Revenue, 1899-1900.

	District.	Year 1899.			Year 1900.		
		£	s.	d.	£	s.	d.
Lease Rental under Goldfields Act	Dundas ...	1,450	13	0	1,345	5	0
Other sources under Goldfields Act	Do. ...	664	5	8	553	9	6
Lease Rental under Mineral Lands Act	Do. ...	2	10	0	1	10	0
Other sources under Mineral Lands Act	Do. ...	...	...	...	2	10	0
Survey Fees (Leases, Areas, etc.)	Do. ...	409	8	0	264	0	0
Fees (Examination of Engine-drivers)	Do. ...	18	0	0	38	0	0
Exemption Fees... ..	Do. ...	256	13	0	193	12	0
Receipts from Public Batteries	Do. ...	1,573	13	7	1,454	9	6
Fees under Boiler Inspection Act	Do. ...	25	0	0	40	10	0
Receipts from all other Sources	Do. ...	3	4	6	1	16	3
Total Mining Revenue ... ..	...	£4,403	7	9	£3,895	2	3

TABLE H.
Average Number of Miners employed.

Goldfield.	Reef or Lode.		Alluvial.		Total.	
	1899.	1900.	1899.	1900.	1899.	1900.
Dundas	547	526	40	50	587	576

TABLE I.
Water Supply during Year 1900.

Goldfield.	Average depth at which Salt Water is struck.	Average depth at which Fresh or Stock Water is struck.	Government Tanks, Number, and Contents.	Average Rainfall.
Dundas ...	On the lakes at a depth of a few feet, in the majority of the mines at from 100ft. to 300ft.	50ft. to 100ft.	One tank 3 miles South-East of Norsemaan, with a capacity of 3 million gallons.	12.53

* For details, see "Mining Statistics."

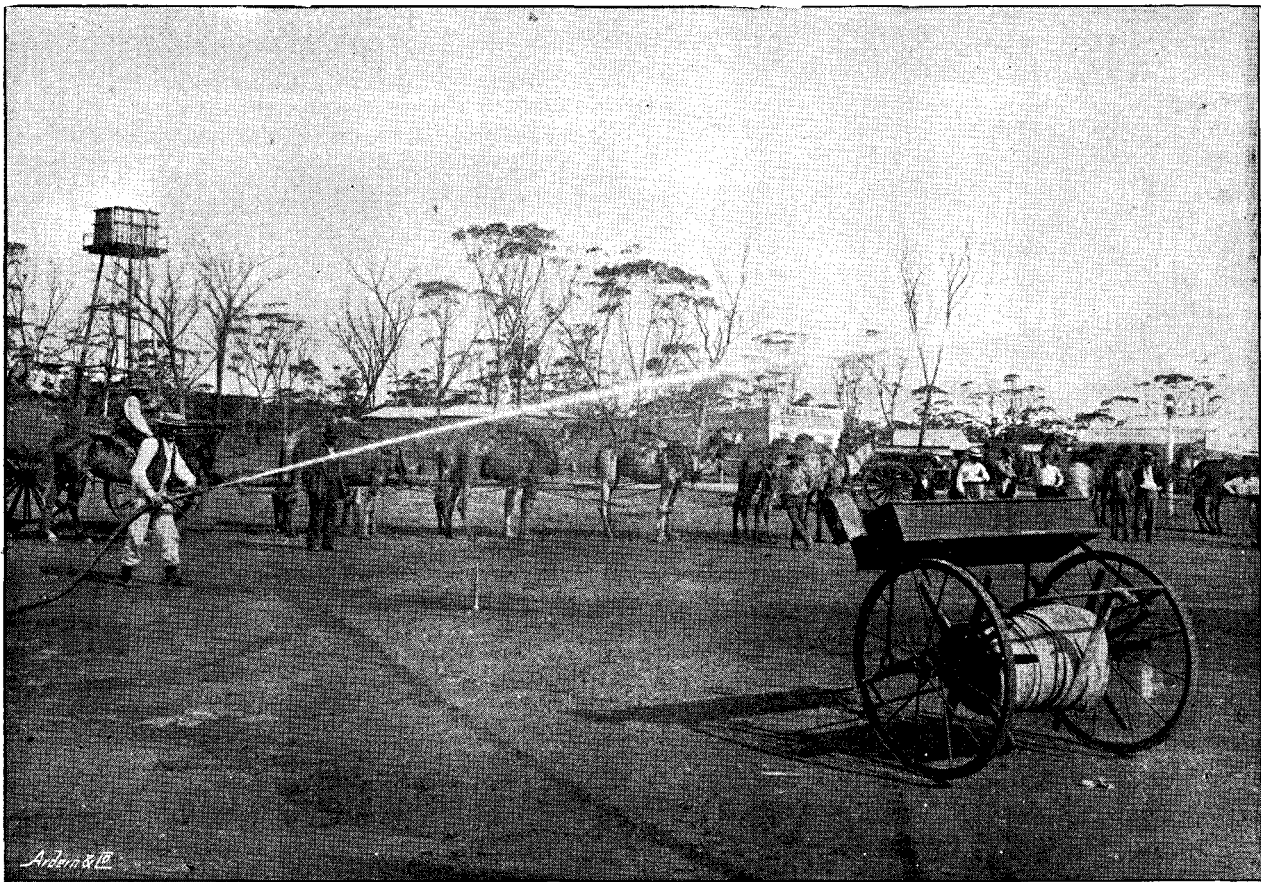
TABLE J.
Ruling Rates of Wages during 1900.

Miners above ground	... ..	per week,	£ s. d.
Miners below ground	... ..	"	3 15 0
Miners wet ground	... ..	"	4 0 0
Engine-drivers	... ..	"	4 0 0
Mechanics	... ..	"	4 10 0
Carpenters	... ..	"	4 0 0
Labourers	... ..	"	£3 to 3 10 0

TABLE K.
* Yield of Gold for Year ended 1900.

Goldfield.	Alluvial.	Dollied and Specimens	Tons crushed.	Return in ozs.	Total yield.		Average per ton, exclusive of Alluvial and Specimens.	
					1899.	1900.	1899.	1900.
	ozs.	ozs.			ozs.	ozs.	ozs.	ozs.
Dundas	166.13	35.48	49,014.50	40,882.02	44,213.30	41,083.63	.74	.83

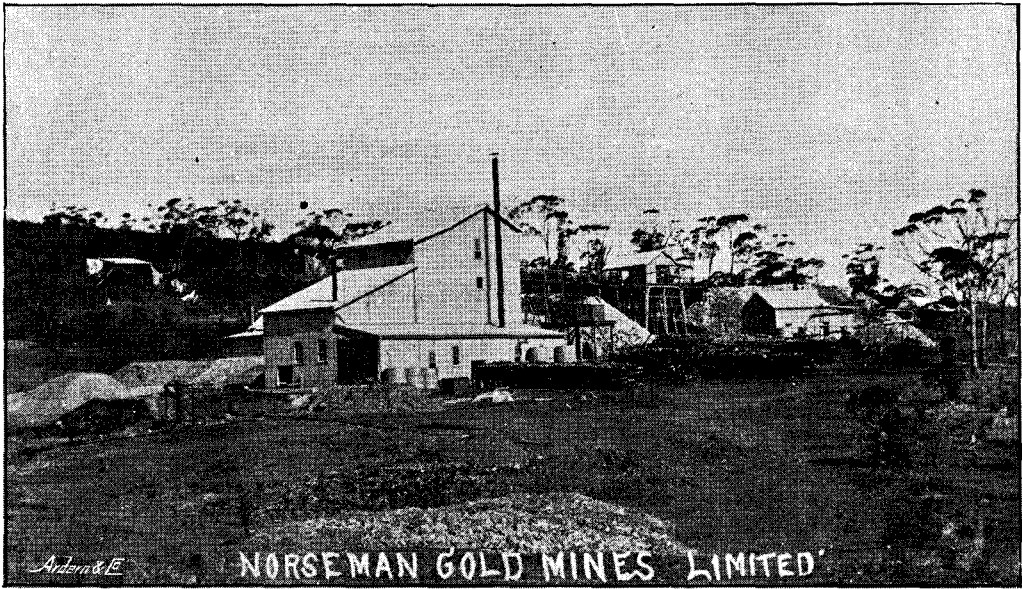
* For details, see "Mining Statistics."



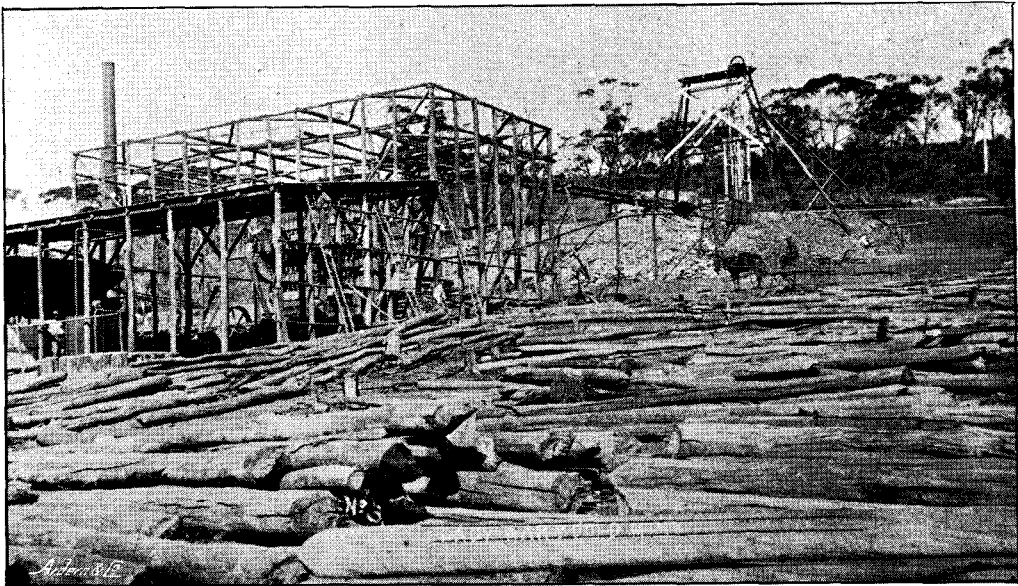
Alden & Co.

Water Supply, Norseman.

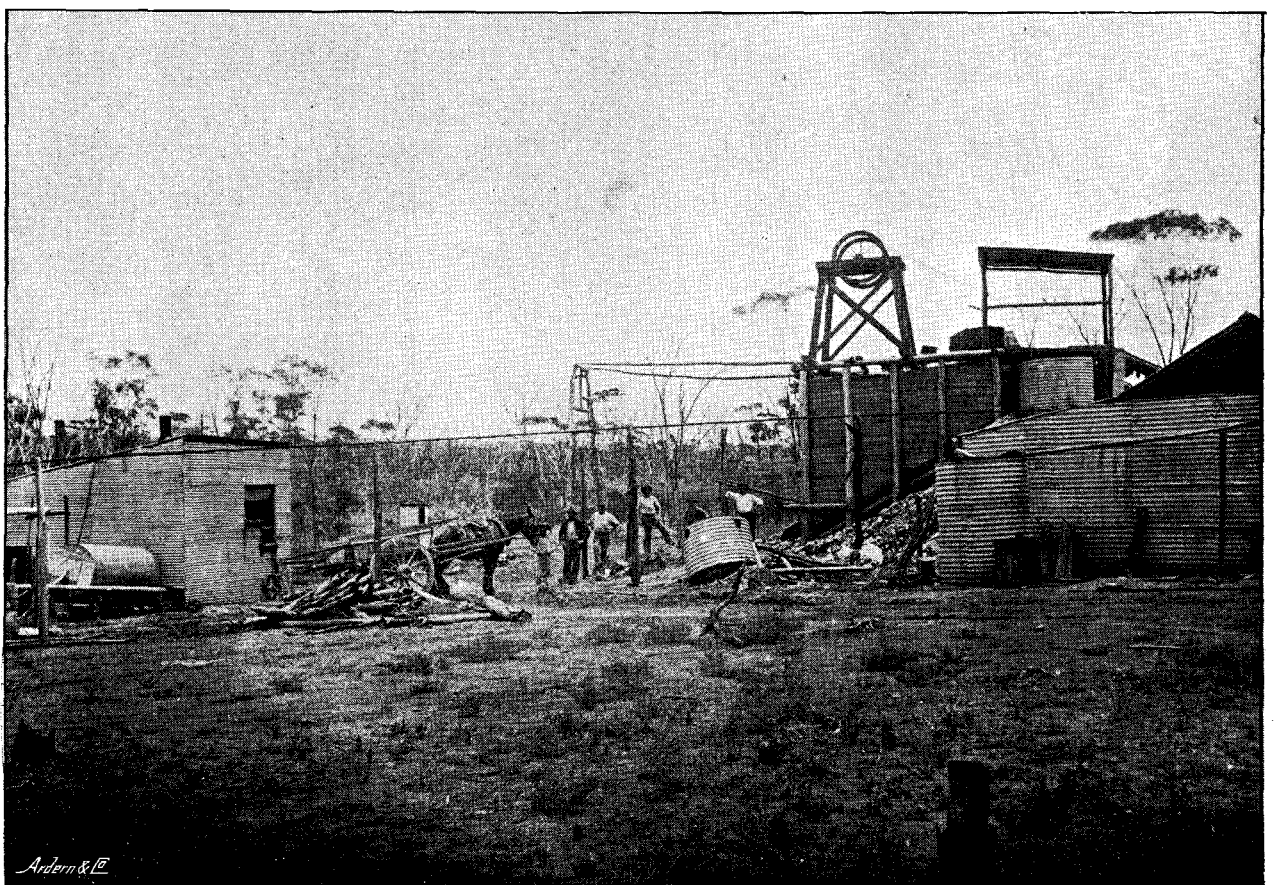
Dundas, G.F.



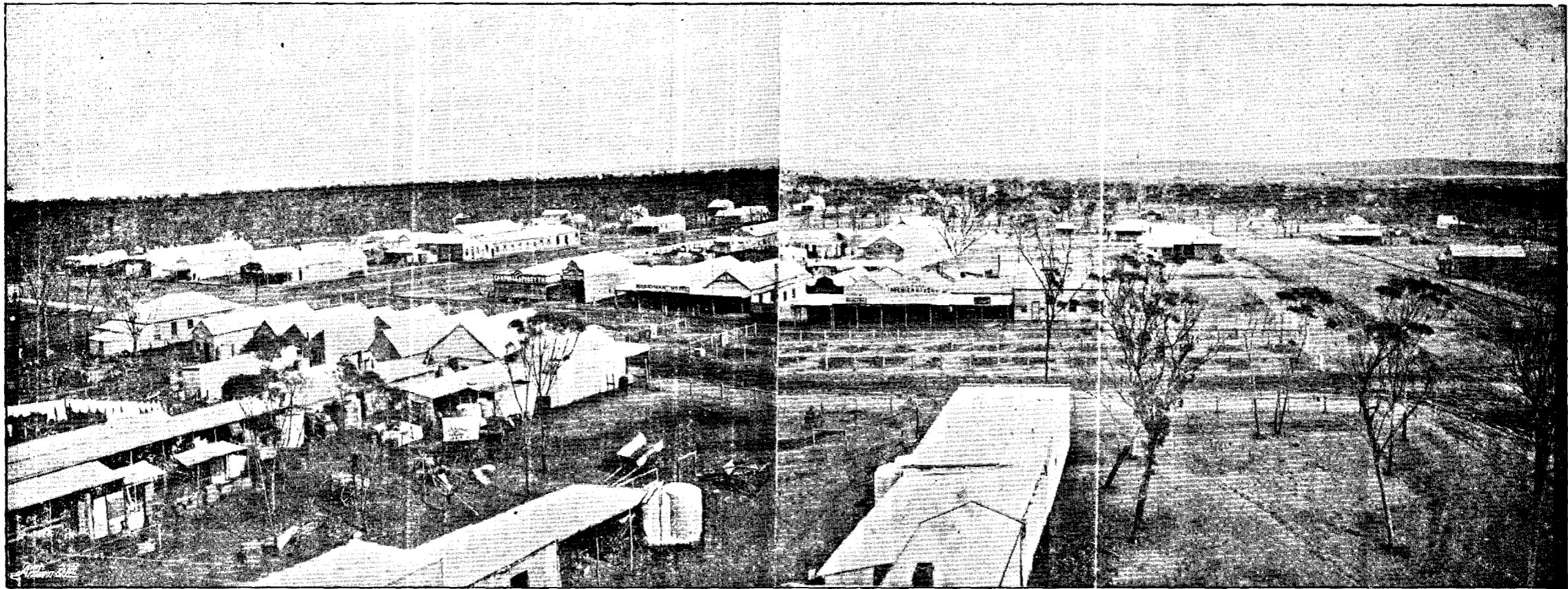
Norseman Gold Mines Ltd.
Dundas G.F.



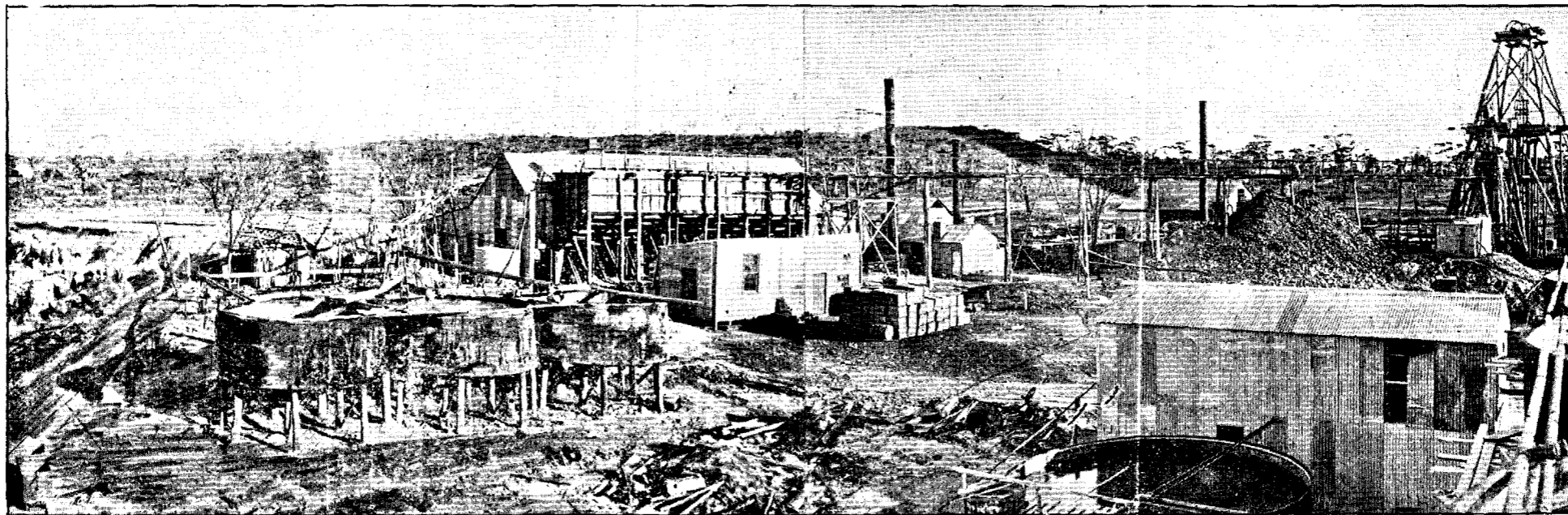
Lady Mary G. M., 1896.
Dundas G.F.



Break O'Day Gold Mine, 1900.



Norseman.
Dundas Gold Field.



Princess Royal G. M.
Norseman, Dundas G.F.

Warden's Report on the East Coolgardie Goldfield for the year 1900.

To the Under Secretary for Mines, Perth.

SIR,

Kalgoorlie, 4th April, 1901.

I have the honour to forward you my Report on the East Coolgardie Goldfield for the year ending 31st December, 1900.

As I only assumed charge here during the early part of the year, I mainly purpose dealing with advances made in each subject dealt with in my predecessor's report for the preceding year.

This field from every point of view has been steadily going ahead, and the plants then contemplated or in course of erection are completed or rapidly approaching it, and mining has settled down on a firm basis.

The local treatment of sulphide ore by smelting, *e.g.*, at the Golden Horseshoe, has been a success but with smelters on the coast, where the cost of treatment is naturally less, the further erection of smelters here can scarcely be expected.

The Northern end of the field has not shown any marked improvement, but I am sanguine that this year will see a decided one.

The only new departure in mining has been the testing of various properties by means of diamond drilling, both from the surface and at the various levels.

Alluvial mining has been largely prosecuted during the year, and, in many instances, with most gratifying results to the miners.

An attempt has been and is still being made to discover a deep lead under the town of Kalgoorlie, and it is the firm conviction of the prospectors that such a lead exists; its discovery would obviously be a great boon to the district and the industry.

The friction that in the past existed between the leaseholders and the alluvial miners has entirely disappeared, principally owing to the former being now more inclined to the granting of tribute on reasonable terms.

I am not in a position to deal with any of the mines in a detailed way, as my time is so constantly occupied in the Mining and Magisterial Courts, that visiting the mines, except occasionally, is out of the question.

The settlement of people on residential lots, instead of the promiscuous camping on leases that hitherto existed, has been rapidly going on owing to the readiness of the Government to lay out lots whenever land was available for sub-division, especially as close to the mines as possible. I am, however, strongly of opinion that these areas should be under the control of the Mines Department, and the large extensions of townsite boundaries and consequent exclusion of lands from the operations of the Goldfields' Act avoided; the tenure of the areas to be leasehold by virtue of a miner's right without the right to purchase the freehold.

The towns of Kalgoorlie and Boulder are improving every day, and the living conditions are all that, under existing surroundings, could be expected or desired.

Outside the famous so-called Golden Mile, practically the only mining centres are Feysville and Boorara.

The former is still being prospected by a few parties and gives hopes of producing good mines in the future, in addition to the one at present working on Block 50 Hampton Plains.

At Boorara, a mine formerly belonging to the Golden Ridge Proprietary, an English company, was purchased by a local syndicate, who have erected a 10-head mill and commenced crushing with good results, hence the district is beginning to brighten up and mining to show a revival.

I attach hereto comparative tables for 1900 and the preceding year, showing the amount of business done in the various departments under my control.

I have, etc.,

JOHN M. FINNERTY,

Warden.

TABLE A.
Applications for Leases, etc., under the Goldfields Act.

	Year 1889.	Year 1900.
Number of Gold Mining Leases applied for	103	30
Area of Gold Mining Leases applied for, in acres	1,935	574
Number of Gold Mining Leases abandoned, surrendered, or forfeited...	178	77
Number of Gold Mining Leases refused	3	...
Number of Gold Mining Leases in force	393	382
Area of Gold Mining Leases in force, in acres	6,535	6,368
Number of Water Rights in force	81	93
Area of Water Rights in force, in acres	2,143	2,201
Number of Quartz Claims in force	2	5
Number of Alluvial Claims in force	8	9
Number of Protection Areas in force	18	18
Number of Residence Areas in force	1,355	1,111
Number of Business Areas in force	63	66
Number of Free Areas (Land Act) in force... ..	563	1,521
Number of Machine Areas in force	11	15
Number of Tailings Areas in force	3	3
Number of Garden Areas in force	39	40
Number of Poultry Farms in force	37	71
Number of Miners' Rights issued during	2,826	1,838
Number of Consolidated Miners' Rights issued during	11 for 173 men	3 for 16 men
Number of Business Licenses issued during	24	27

TABLE B.
Applications for Leases, etc., under the Mineral Lands Act.

	Year 1889.	Year 1900.
Number of Mineral Leases applied for	16	17
Area of Mineral Leases applied for, in acres	307	178
Number of Mineral Leases abandoned, surrendered, or forfeited	27	11
Number of Mineral Leases refused	2	...
Number of Mineral Leases in force	27	35
Area of Mineral Leases in force, in acres	383	360
Number of Water Rights in force ... ..	...	...
Area of Water Rights in force, in acres ... ..	...	...
Number of Lode Claims in force ... ..	...	...
Number of Reward Claims in force	1	1
Number of Protection Areas in force	1	...
Number of Residence Areas in force ... ..	...	...
Number of Business Areas in force ... ..	...	...
Number of Machine Areas in force ... ..	...	...
Number of Tailings Areas in force ... ..	...	...
Number of Garden Areas in force ... ..	...	...
Number of Mining Licenses issued during	46	47
Number of Quarry Licenses issued during ... ..	...	...
Number of Business Licenses issued during ... ..	...	...

TABLE C
Table showing Number, Description, and Area of Mineral Leases in force.

Description of Minerals.	District.	Number of Leases.		Area in Acres.	
		1889.	1900.	1889.	1900.
Brickmaking	Kalgoorlie	17	29	158	292
Building Stone	Do.	8	5	125	45
Copper	Do.	1	...	50	...
Various	Do.	1	...	50	...
Ironstone	Do. ... ..	...	1	...	23
Total ... ..	...	27	35	383	360

TABLE D.
*List of Ore-reduction Plants.

Goldfield.	Number of Stamps Erected.		Value of Mining Machinery.	
	1899.	1900.	1899.	1900.
East Coolgardie	295	† 360	£ 566,426	£ 1,077,557

* For details, see Mining Statistics. † Also, 34 Ball Mills, 24 Griffin Mills, 18 Huntington Mills, 9 Crushing Rollers, 5 Dry Crushers, and 2 Puddlers.

TABLE E.
Particulars of Mining Accidents.

	1899.	1900.
Number of men injured	29	44
Number of men killed	14	14

TABLE F.
Showing Population of Goldfield on 31st December, 1900, as compared with 31st December, 1899.

Goldfield.	Males.		Females.		Total.		Increase.	Decrease.
	1899.	1900.	1899.	1900.	1899.	1900.		
East Coolgardie	16,573	16,500	8,172	9,400	24,745	25,900	1,155	...

TABLE G.
Mining Revenue 1899-1900.

	District.	Year 1899.		Year 1900.	
		£	s. d.	£	s. d.
Lease Rental under Goldfields Act	East Coolgardie	7,089	0 6	6,798	6 6
Other sources under Goldfields Act	Do.	2,561	8 9	2,386	5 9
Lease Rental under Mineral Lands Act	Do.	76	17 6	79	10 0
Other sources under Mineral Lands Act	Do.	16	6 0	38	16 0
Survey Fees (Leases, Areas, etc.)	Do.	1,430	0 0	615	0 0
Fees (Examination of Engine-drivers)	Do.	136	0 0	265	12 6
Exemption Fees	Do.	1,192	10 0	1,009	3 0
Receipts from Public Batteries	Do.				
Fees under Boiler Inspection Act	Do.	472	5 0	610	0 0
Receipts from all other Sources	Do.	22	19 0	33	2 0
Total Mining Revenue ... ..	...	£12,997	6 9	£11,835	15 9

TABLE H.
Average Number of Miners employed.

Goldfield.	Reef of Lode.		Alluvial.		Total.	
	1899.	1900.	1899.	1900.	1899.	1900.
East Coolgardie	5,110	5,903	1,500	1,500	6,610	7,403

TABLE I.
Water Supply during Year 1900.

Goldfield.	Average depth at which Salt Water is struck.	Average depth at which Fresh or Stock Water is struck.	Government Tanks, Number and Contents.	Average Rainfall.
East Coolgardie	about 100ft.	about 8ft.	1 Tank. 565,200 gallons on 31-12-1900	10·90

TABLE J.
Ruling Rates of Wages during 1900.

Miners above ground	11s. 8d. per day of 8 hours.
Miners below ground	{ 11s. 8d. to 15s. per day.
Miners, wet ground	{ £3 10s. to £4 10s. per week.
Engine-drivers	15s. to 16s. 8d. per day.
Mechanics	11s. 8d. and 13s. 4d. per day.
Carpenters	15s.; foremen 16s. to 16s. 8d. per day.
Labourers	15s.; foremen 16s. to 16s. 8d. per day.
	10s. per day.

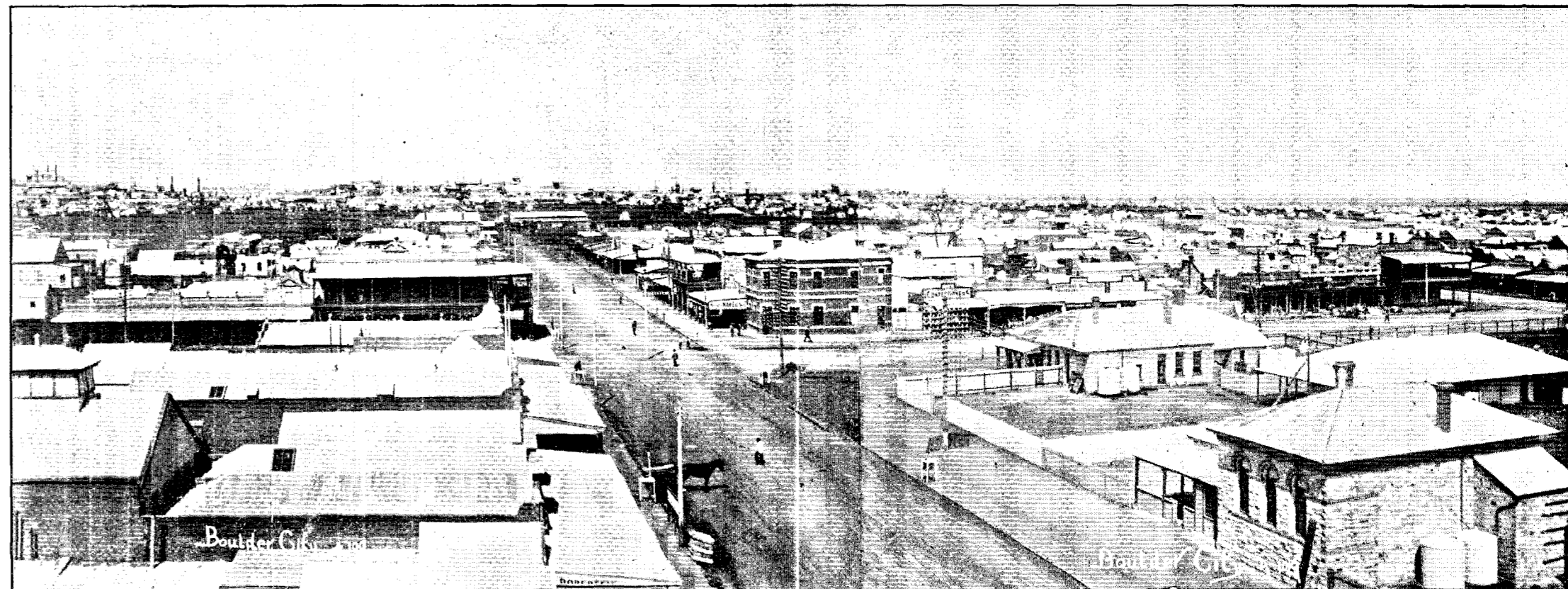
TABLE K.
** Yield of Gold for Year ended 1900.*

Goldfield.	Alluvial.	Dolled and Specimens.	Tons crushed.	Return in Ozs.	Total Yield.		Average per ton, exclusive of Alluvial and Specimens.	
					1899.	1900.	1899.	1900.
East Coolgardie ...	2,295·56	2,019·24	491,720·00	733,656·18	ozs. 855,404·87	ozs. 737,970·98	ozs. 1·83	ozs. 1·49

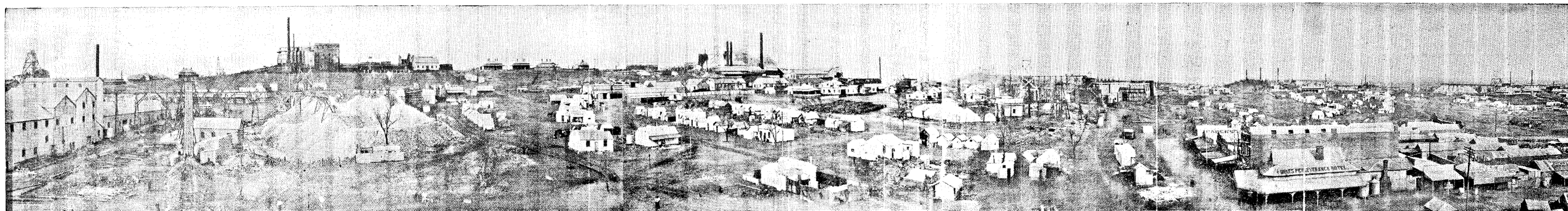
* For details, see Mining Statistics.



Boulder City, 1895.
East Coolgardie G.F.



Boulder City, 1900.
East Coolgardie G.F.



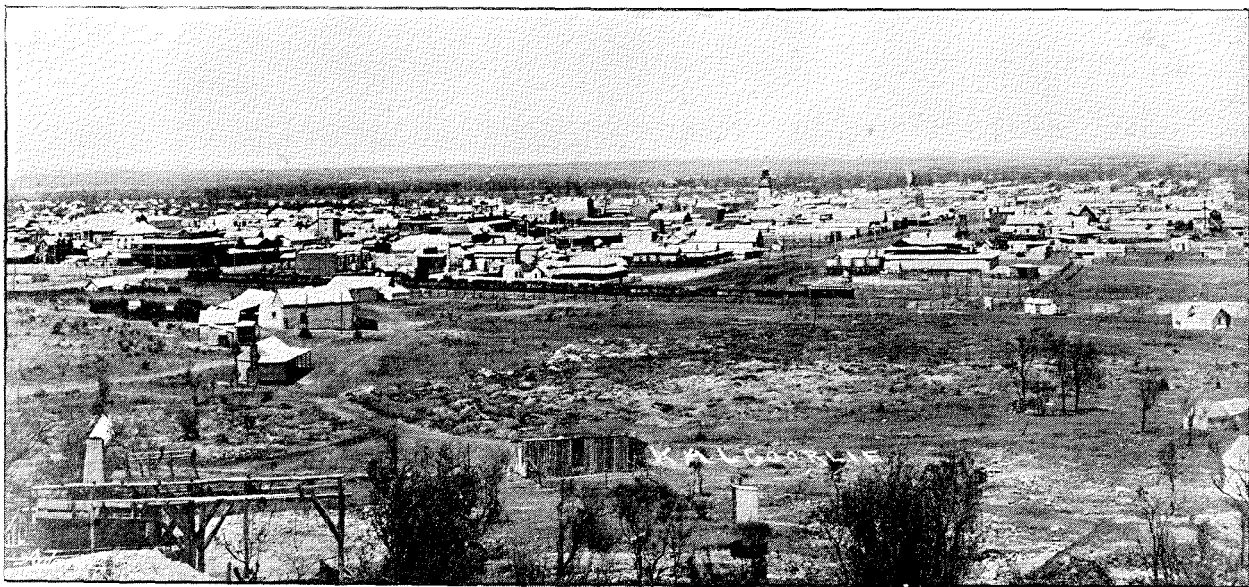
South Kalbarri G. M.

THE GOLDEN MILE.
East Coolgardie G.F.

Boulder Perseverance.



Hannans (Kalgoorlie) 1894, from Marlana Hill.
East Coolgardie G.F.



Kalgoorlie, 1900
East Coolgardie G.F.



Kalgoorlie, 1900 (from the North), Mines in distance.
East Coolgardie G.F.



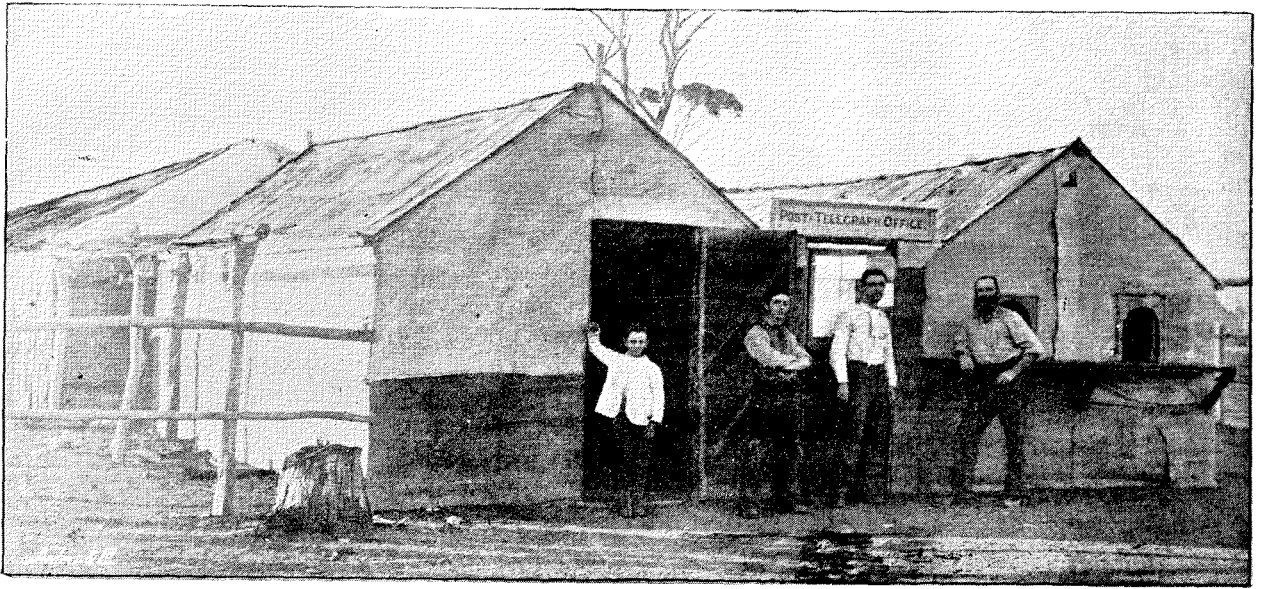
Hannan Street, Kalgoorlie, 1895.
East Coolgardie G.F.



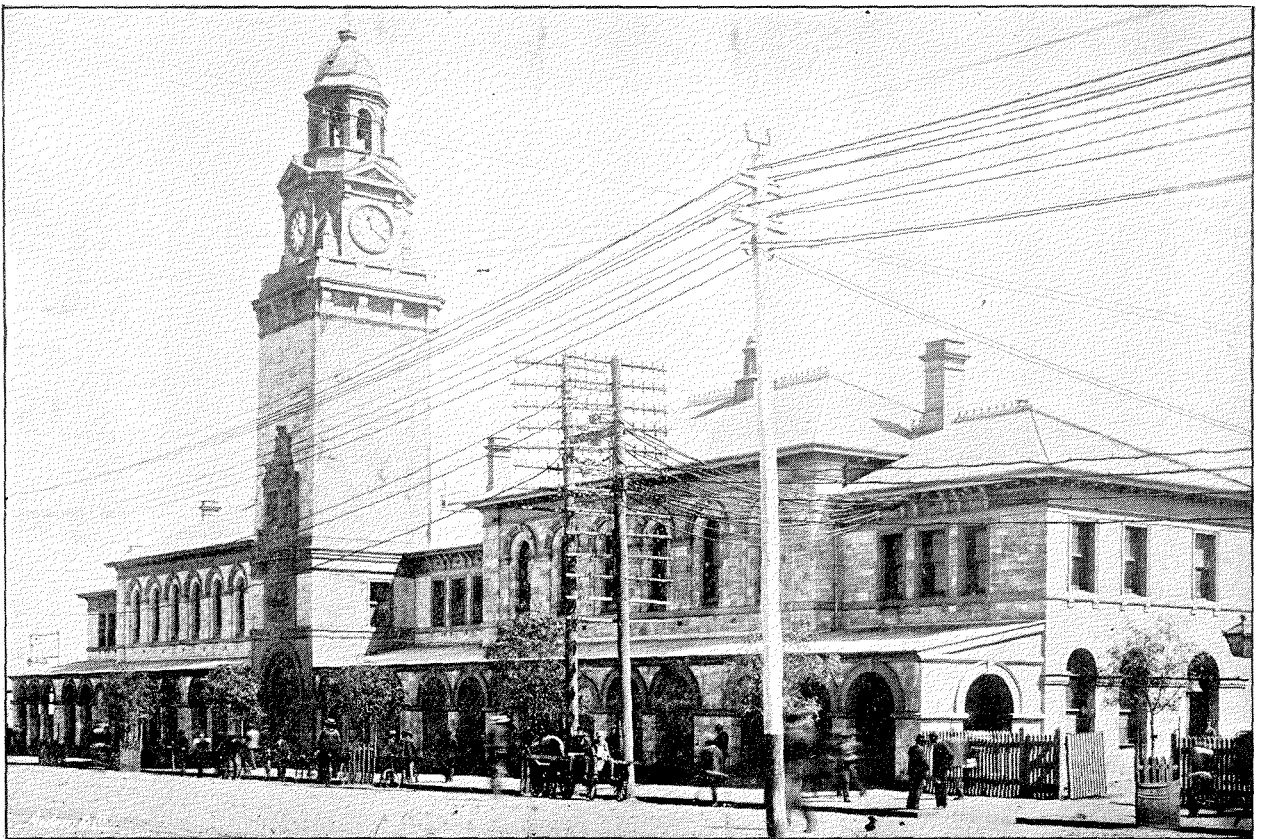
Hannan Street, Kalgoorlie, 1900.
East Coolgardie G.F.



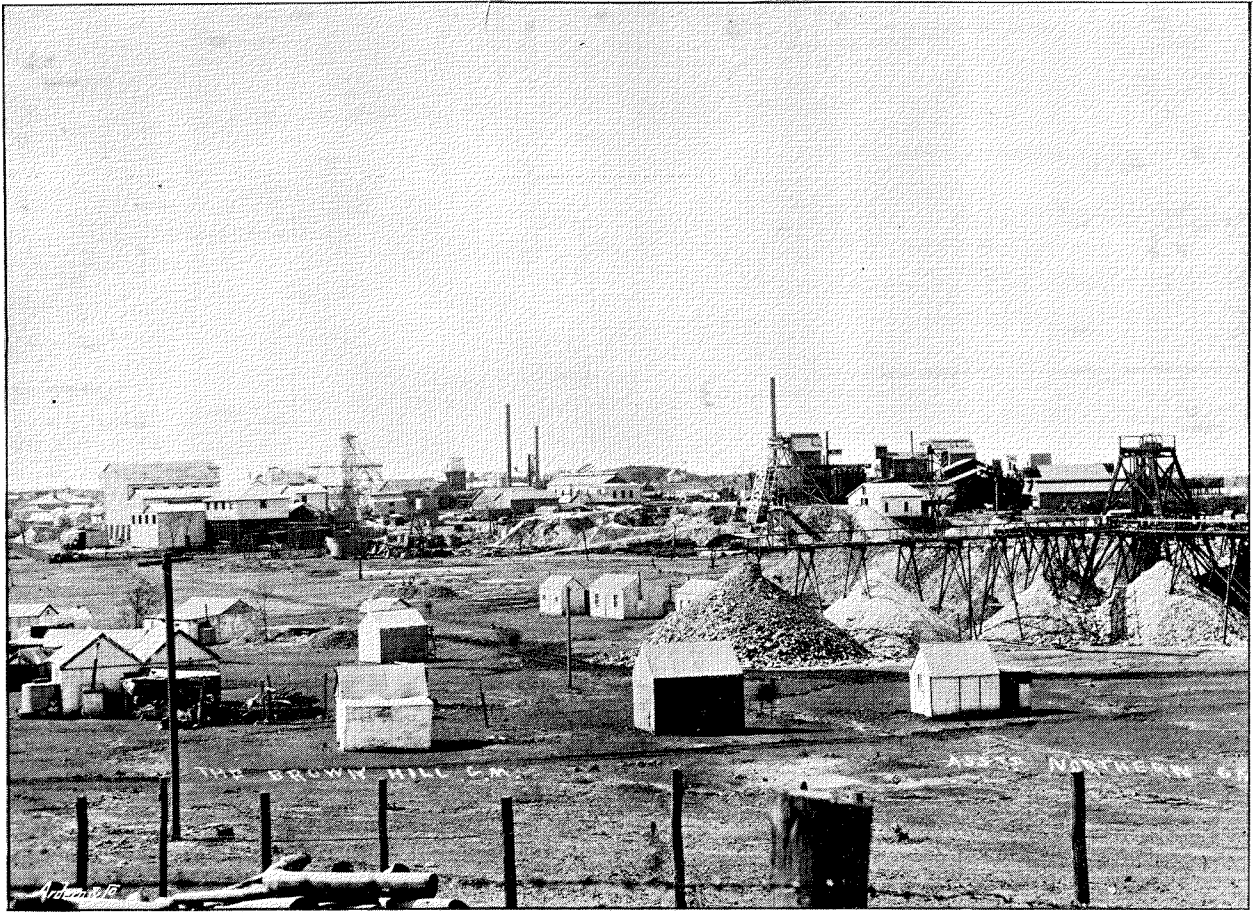
Warden's Court, Kalgoorlie, 1894.
East Coolgardie G.F.



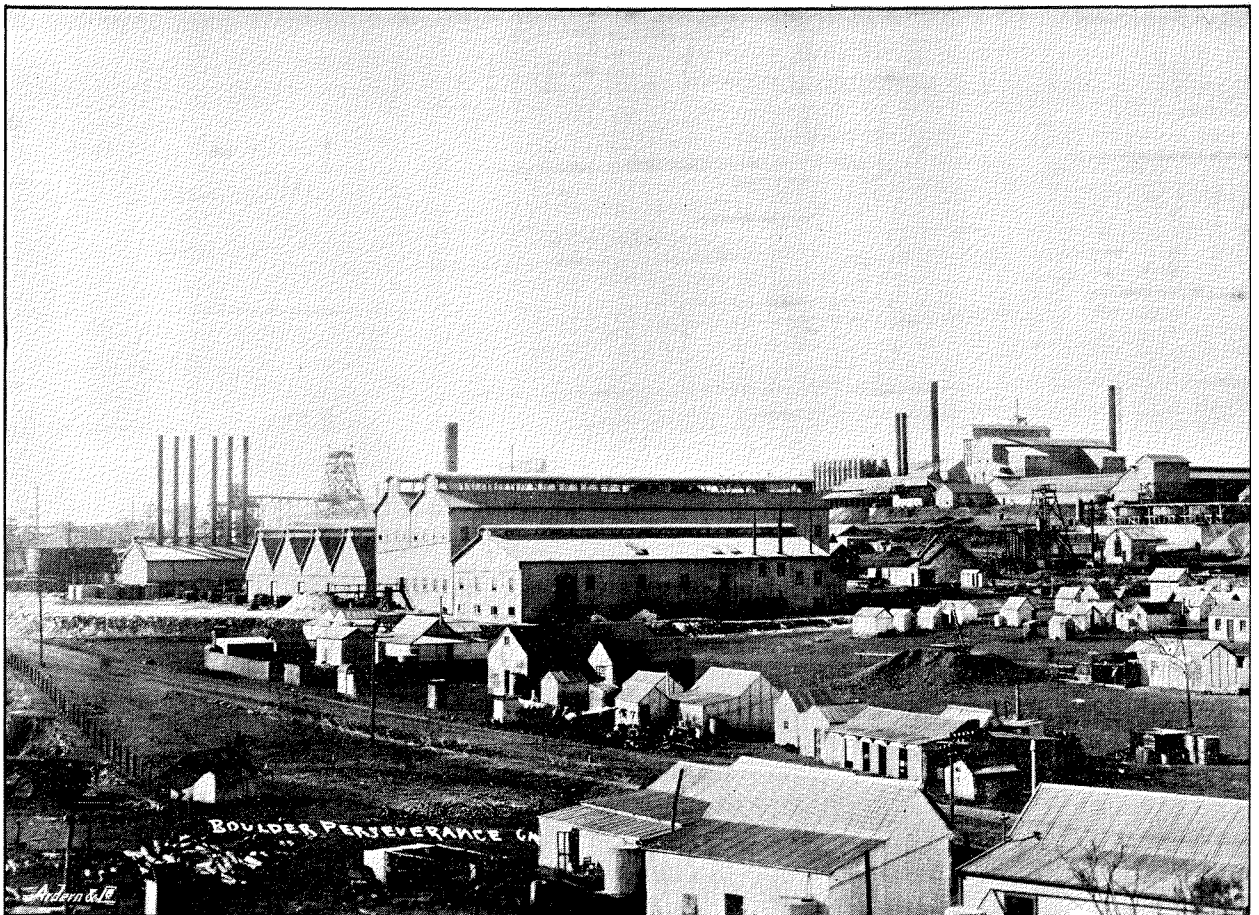
Post & Telegraph Office, Kalgoorlie, 1895.
East Coolgardie G.F.



Warden's Court, Post & Telegraph Office, Kalgoorlie 1900.
East Coolgardie G.F.



The Brown Hill G. M. and Associated Northern.
East Coolgardie G.F.



Boulder Perseverance G. M. Co.
East Coolgardie G.F.



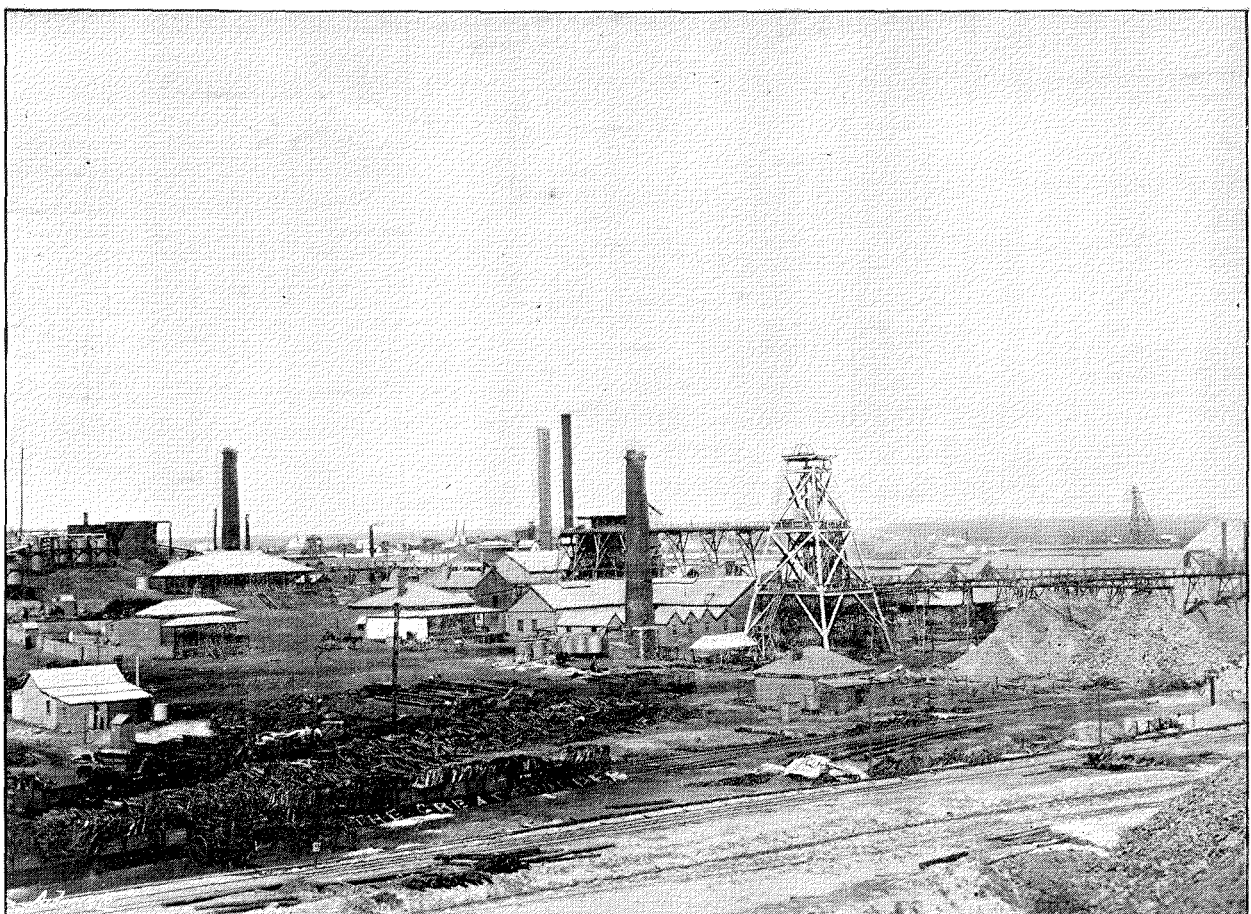
Ivanhoe G. M., 1895.
East Coolgardie G.F.



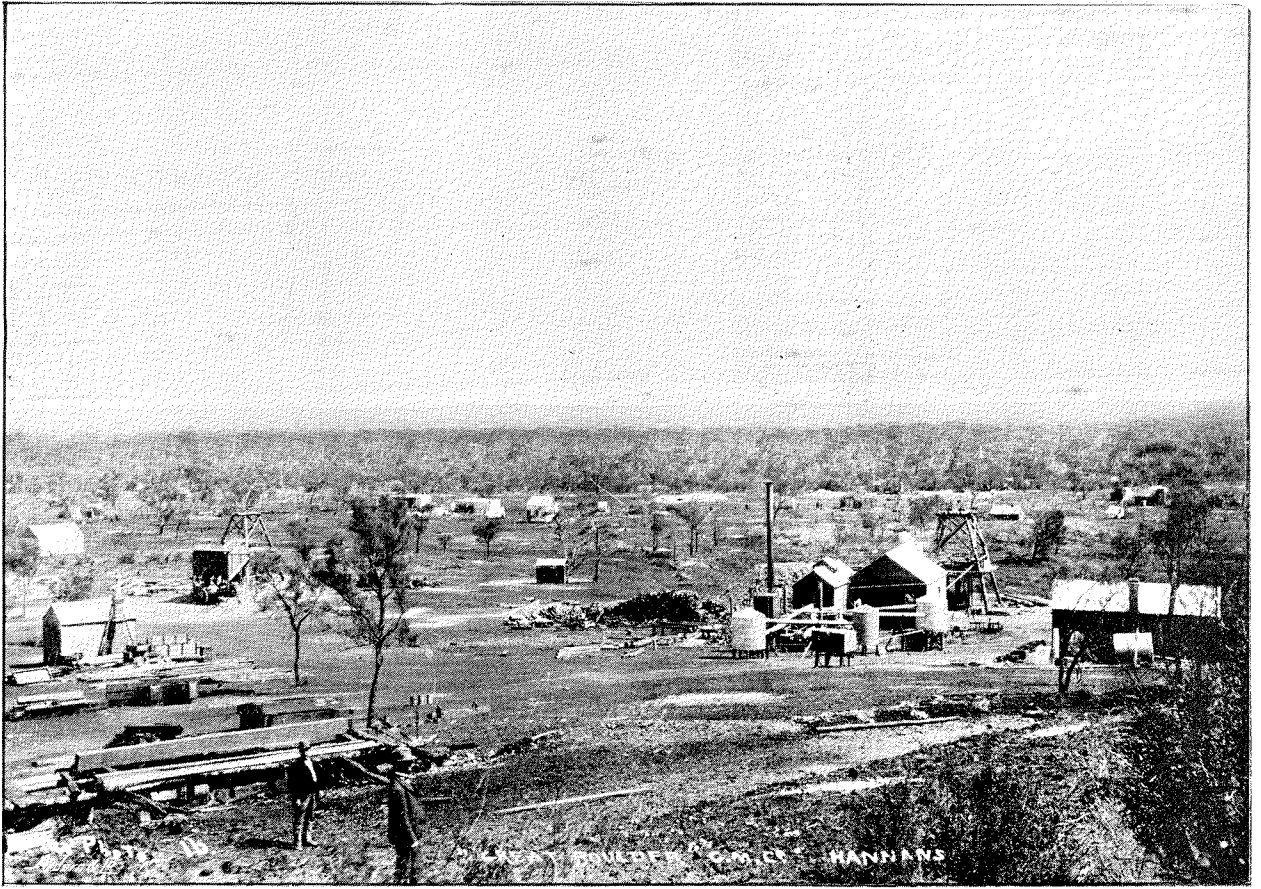
Ivanhoe G. M., 1900.
East Coolgardie G.F.



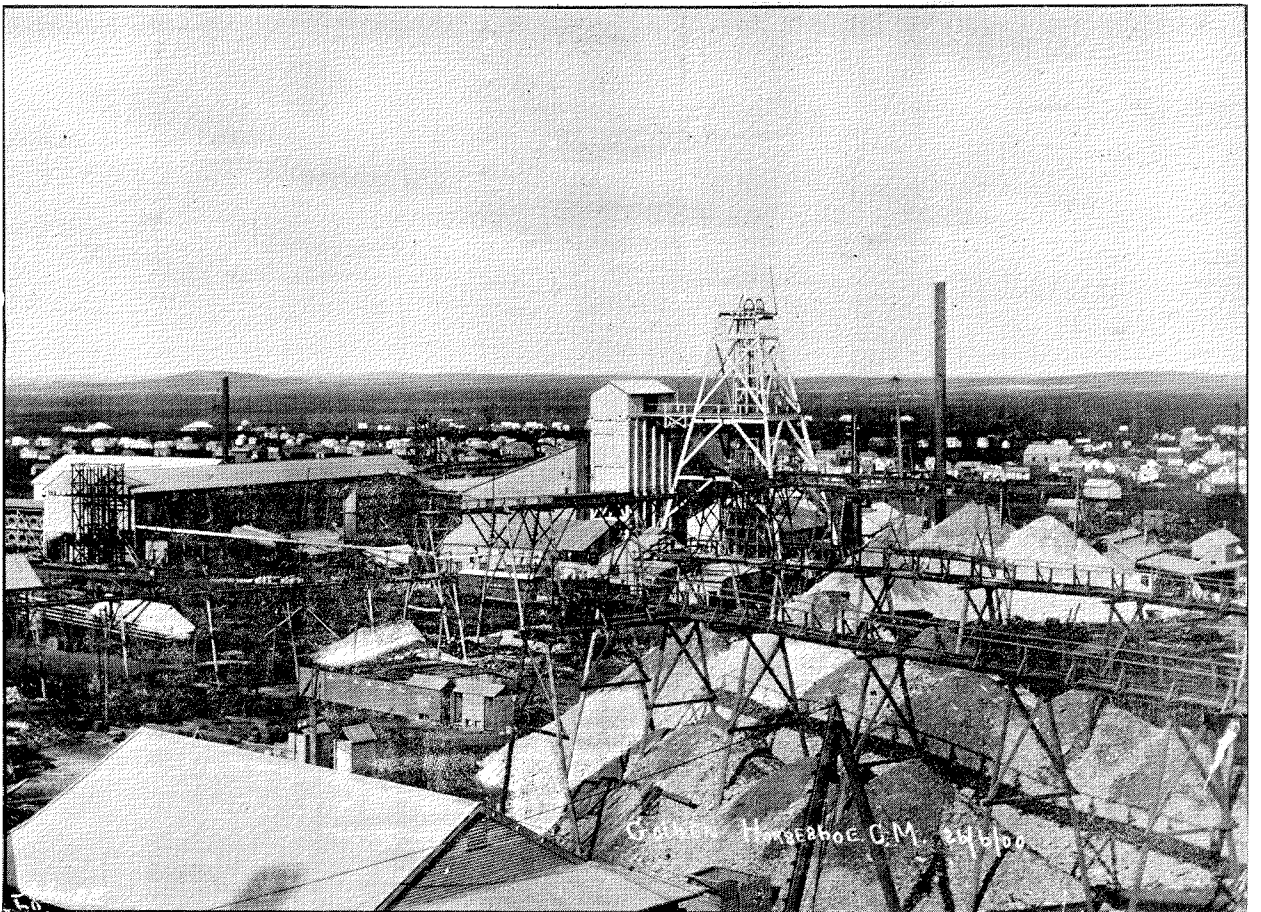
Great Boulder, 1895.
East Coolgardie G.F.



Great Boulder, 1900.
East Coolgardie G.F.



Great Boulder, 1895.
East Coolgardie G.F.

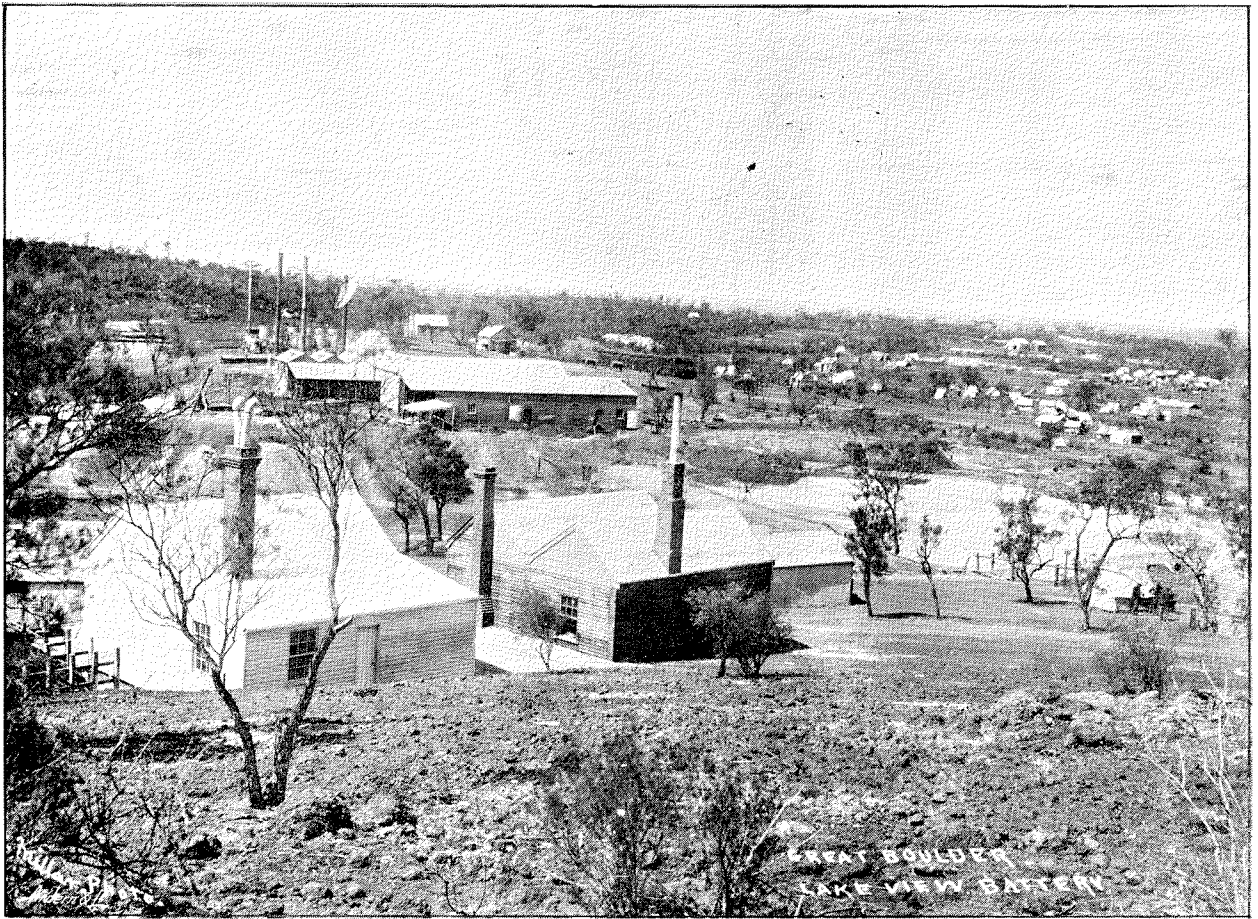


Golden Horseshoe.
East Coolgardie G.F.

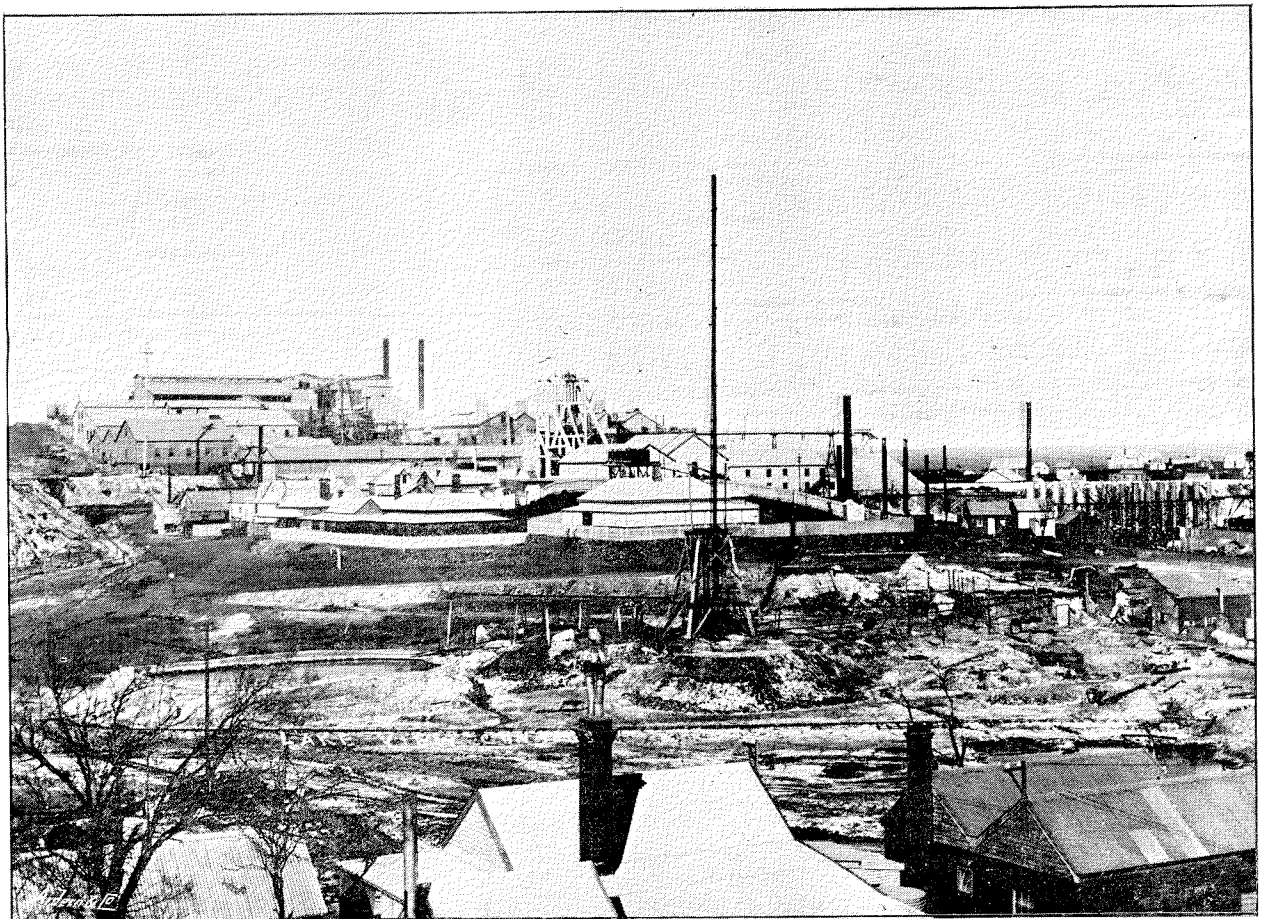


Open Cut Australia,

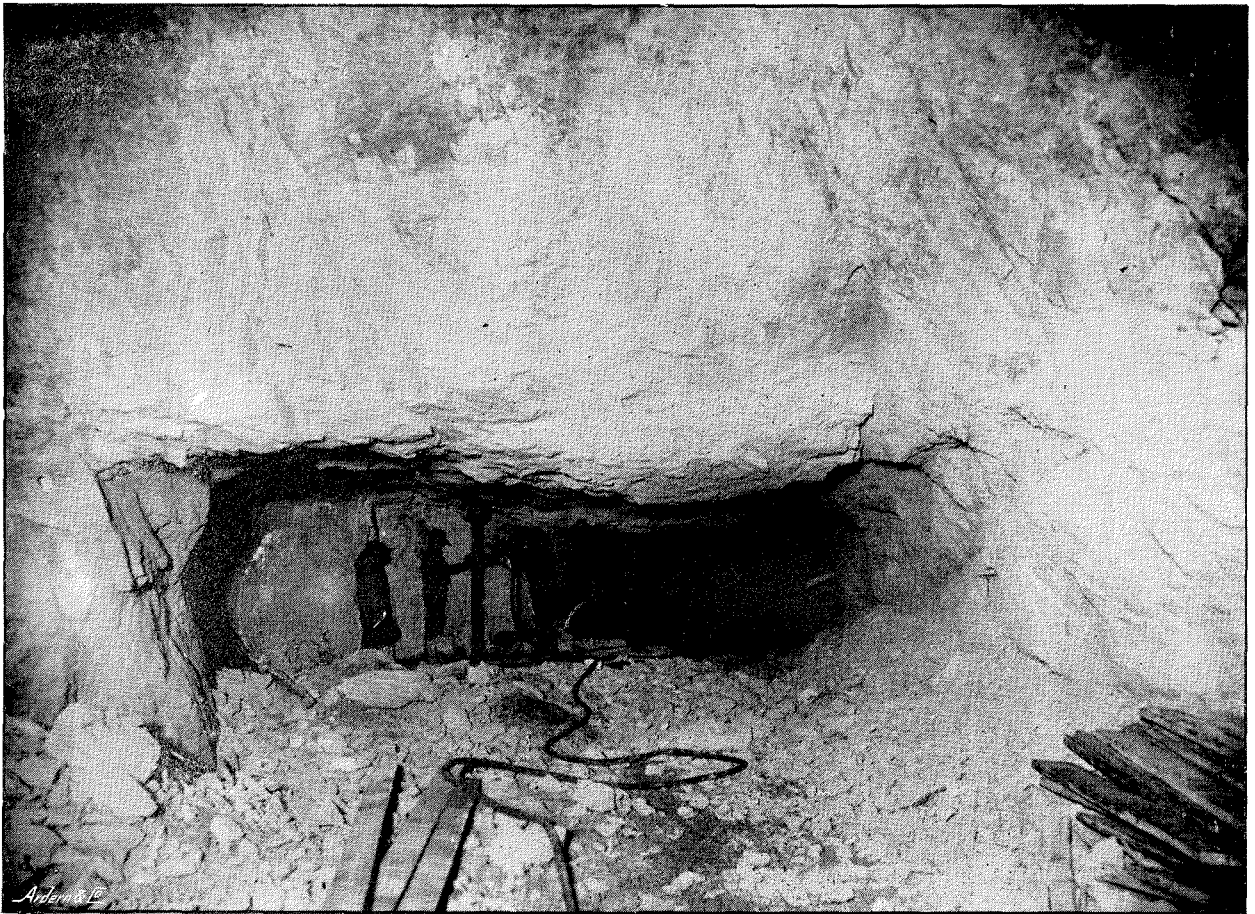
Australia G. M. (Open Cut).
East Coolgardie G.F.



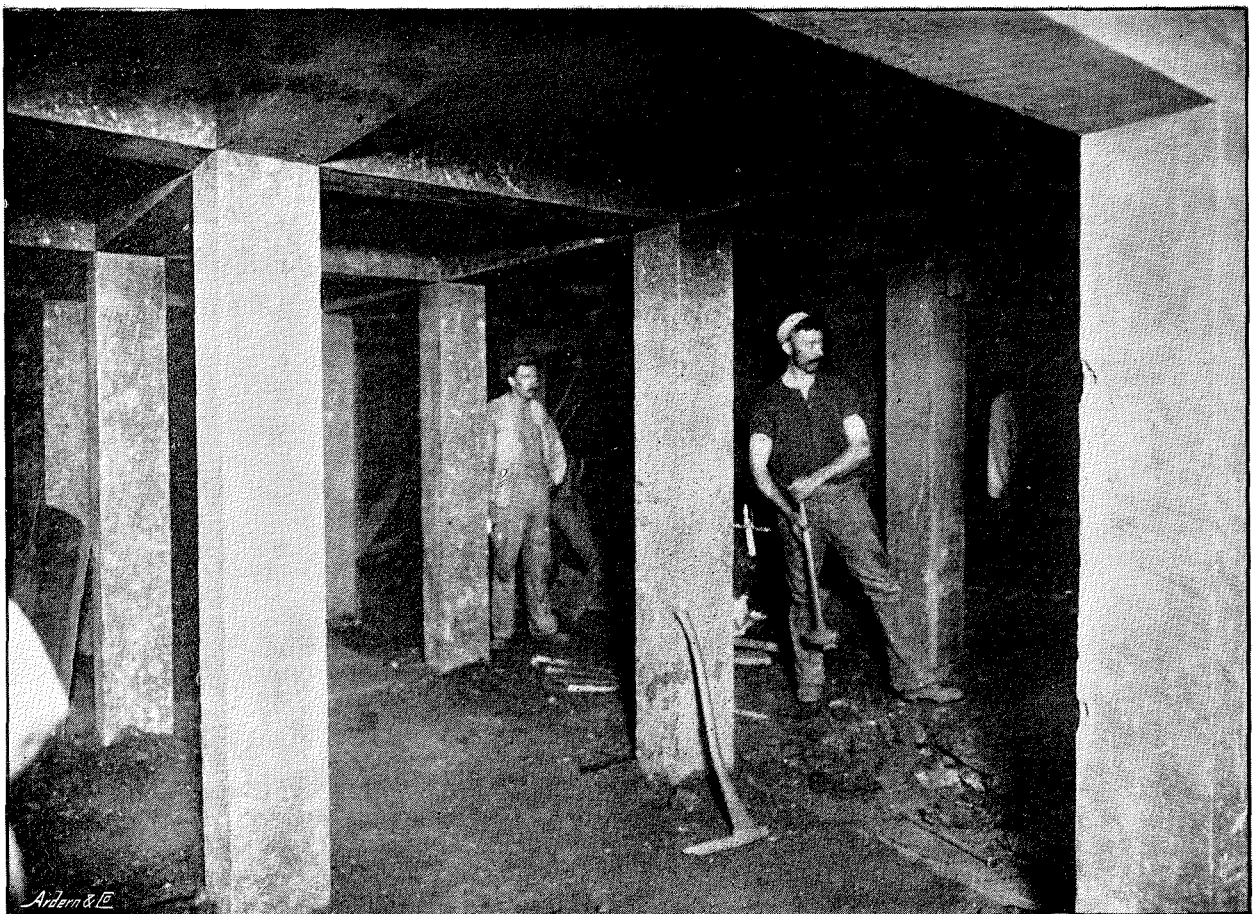
Lake View Consols, 1896 (View from Boulder Hill.)
East Coolgardie G.F.



Lake View Consols, 1900 (View from Boulder Hill.)
East Coolgardie G.F.



Sulphide Stope, South drive, No. 3 Level, 30ft. wide, Golden Horseshoe.
Kalgoorlie, East Coolgardie G.F.



Square set Timbering, No. 3 Level, Golden Horseshoe.
Kalgoorlie, East Coolgardie G.F.

*Warden's Report on the East Murchison Goldfield for the year 1900.**The Under Secretary for Mines, Perth.*

SIR,

I have the honour to forward herewith, for the information of the Hon. the Minister, my report on the East Murchison Goldfield for the year ending 31st December, 1900.

I am pleased to be able to again report a steady increase in the gold output for the year under review. Not only has the tonnage crushed been greater than last year, but the average of gold per ton is higher, which is a very pleasing feature, the figures being as follows:—For 1899, 42,167 tons for a yield of 41,925ozs.; as against 56,923 tons for 63,679ozs. for the year 1900.

The mining revenue has also slightly increased. The number of leases applied for, and the area of leases in force for the past year are slightly less than for 1899.

The number of stampers erected and in use is 155, with 1 Tremain and 3 Prospecting Mills; but additional machinery has been, and is still being erected in various parts of the field, and will soon be ready for use.

There have been no new finds of any importance during the year, but everything shows a steady improvement on the field generally.

This field is not divided into districts, but at the different centres various improvements have been and are being made.

Lawlers is the official centre at which the Warden's Court is situated, also Police Station and Lockup, Post and Telegraph Office, etc. There are also Police Stations and Post and Telegraph Offices at Sir Samuel and Wiluna (Lake Way).

At the East Murchison United, at Lawlers (which so far has certainly proved the best mine in the district, although I have no doubt many more will turn out as well when properly equipped and worked), there has been an additional 20 head of stampers erected, much heavier than the old ones, and these will be ready for work within a few weeks; this makes 40 head of stampers on this mine, so the output of gold will be largely increased during the coming year.

There have also been other extensive improvements and additions as regards cyanide plant, rock breakers, electric light plant, etc., at this mine, and many other improvements now in course of erection.

The public battery at Lawlers, mentioned in my last annual report as having been erected by a local syndicate, has changed hands, and although the price for crushing has been increased from 20s. to 22s. 6d. per ton, it has given every satisfaction to the public and present owners, and has proved a benefit to the district. The 10-head battery mentioned in my last report as being erected on the Caroline Lease at Lawlers has been sold, and has been purchased by the owner of the Leinster Lease for proposed erection on that mine, which is about 20 miles from Lawlers, and from which some splendid crushings have been obtained from stone crushed at the Public Battery, Lawlers.

While being pleased to see machinery going on to this mine, which has been held for years, I regret to see this battery removed from the Caroline Lease before the mine had a better trial, as, owing to the want of capital, the owner was not able to give it the trial it deserved, and I anticipate at a later date seeing it being worked successfully. As the Leinster, where this battery is now going, has given such a good return for the stone crushed in the past, it should prove a success to the owner, and add largely to the increase of gold for the coming year.

At Darlôt a 10-head battery is in course of erection on the British King mine, which is the first lease taken up on this field, being No. 1, and is now owned by the "Fingall Reefs Extended, Ltd." This Company has also taken up several other leases close by, and the machinery will be ready to start in a few weeks, if not already started, and this will prove of benefit to the locality generally.

The want of cheaper public crushing at Darlôt is severely felt; the only public crushing plant there being erected by private enterprise, and the charge of 30s. per ton being too high for miners to make the reefs pay when the price of carting is added. I feel sure that the erection of a public battery would be of great benefit to the district.

At Bellevue mine, Sir Samuel, a roasting plant is in course of erection, which would have been completed and working before now but for the delay in the arrival of machinery caused by the very heavy floods last June and July. When completed this should largely increase the output of gold from this mine.

The Yellow Aster mine, at Kathleen Valley, on which the owners, who were four working men, erected a 10-head battery, partly with borrowed capital, has turned out very well, having crushed 3,237 tons for 5,330ozs. The owners are now erecting a cyanide plant and other improvements, so the gold output from this mine will be increased during the year.

A townsite has been declared and surveyed in the locality under the name of Kathleen, and the lots are now open for sale.

At Lake Way things have been quiet during the year, and the want of cheaper crushing power is felt by the prospectors; and I feel sure that the erection of a Government public battery in the locality is worthy of careful consideration.

The Lake Way Goldfields Company (1899), Ltd., are erecting a large plant on their leases, a contract having been let for carting 1,000 tons of machinery from Cue to the mine, a great portion of which has already arrived and is in course of erection. When completed, this will mean an immense increase in the return of gold from this important centre, which promises to be one of the large gold-producing centres of the colony. Very considerable delay has been caused in the erection of this machinery through the unusually heavy rains in the winter flooding the whole country and preventing teams from travelling.

I hear that several other properties at Lake Way are likely to be amalgamated and worked on a large scale. If this comes off, the output of gold will be very largely increased.

During the year the telegraph line has been completed, and offices opened at Sir Samuel and Wiluna (Lake Way), and this must prove an immense benefit to the residents and district generally. The mail service has been increased, there now being three mails a week from Perth to Lawlers, and a weekly mail from Lawlers to Sir Samuel and Wiluna (Lake Way) and Darlôt.

During the past year the rainfall on this field has been the heaviest ever recorded. For the year 1898 there were only four inches; for 1899, six inches; and 1900, 15 inches. This is at Lawlers. At Lake Way last year the rainfall was very large, being 28 inches, and the roads in various parts of the field were under water for 20 miles at a stretch, and lakes that were generally dry were like large inland seas.

In Lake Violet the water was over 17 feet in depth; waggons and coaches were bogged for weeks, and there was almost a famine throughout the field in July. After the rains the whole country, even to the tops of the hills, was covered with grass and herbage, and places on which no herbage had been seen for the past four years were covered with grass and flowers. It is strange where the seed came from, but it shows what the soil will produce with moisture. The whole district, which in other years was like a desert, had the appearance of a splendid pastoral country. The wild flowers once seen could never be forgotten, as one could drive for hundreds of miles through most lovely flowers of various kinds and colours; and all this goes to show what may be done in the centre of Australia with irrigation, as there is fresh water anywhere throughout this field at a comparatively shallow depth.

The health of the population in the district has been excellent, as it always has been on this field.

I attach Tables A to K herewith.

In conclusion, I am pleased to be able to state that everything points to a further improvement for the coming year throughout the field, and the gold return for 1901 will, I am sure, largely exceed the return for the year under review.

A. G. CLIFTON,
Warden,
East Murchison.

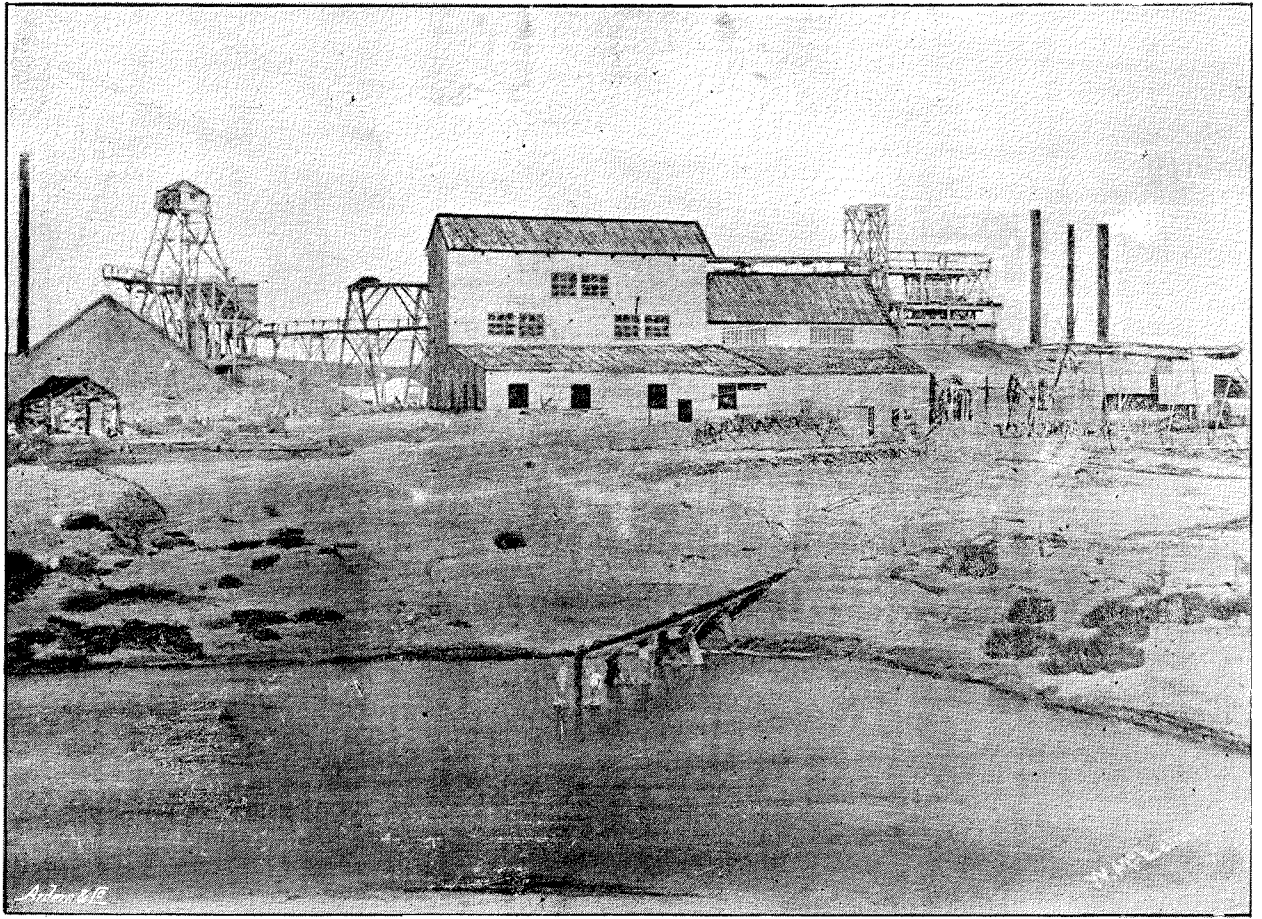
Lawlers, 16th February, 1901.

TABLE A.
Applications for Leases, etc., under the Goldfields Act.

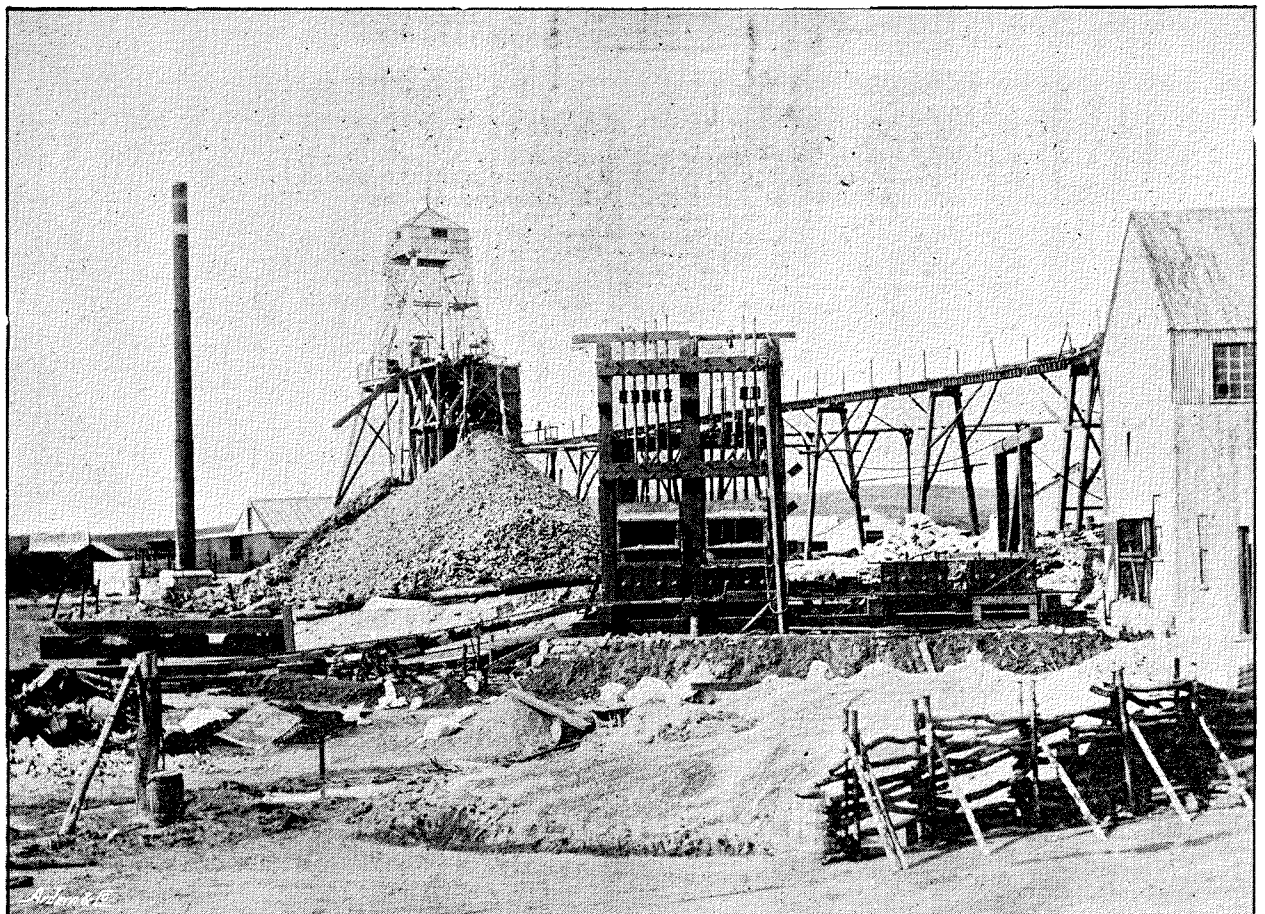
	Year 1899.	Year 1900.
Number of Gold Mining Leases applied for	68	53
Area of Gold Mining Leases applied for, in acres	856	699
Number of Gold Mining Leases abandoned, surrendered, or forfeited	34	41
Number of Gold Mining Leases refused	1	2
Number of Gold Mining Leases in force	112	147
Area of Gold Mining Leases in force, in acres	1,524	2,064
Number of Water Rights in force	21	30
Area of Water Rights in force, in acres	29	46
Number of Quartz Claims in force	32	22
Number of Alluvial Claims in force	3	3
Number of Protection Areas in force	99	110
Number of Residence Areas in force	62	63
Number of Business Areas in force	29	21
Number of Machine Areas in force	6	7
Number of Tailings Areas in force	6	6
Number of Garden Areas in force	18	18
Number of Miners' Rights issued during	370	285
Number of Business Licenses issued during	8	11

TABLE B.
Applications for Leases etc., under the Mineral Lands Act.

	Year 1899.	Year 1900.
Number of Mineral Leases applied for	3
Area of Mineral Leases applied for, in acres	6
Number of Mineral Leases abandoned, surrendered or forfeited	3	...
Number of Mineral Leases refused
Number of Mineral Leases in force	2
Area of Mineral Leases in force, in acres	4
Number of Water rights in force
Area of Water Rights in force, in acres
Number of Lode Claims in force
Number of Alluvial Claims in force
Number of Protection Areas in force
Number of Residence Areas in force
Number Business Areas in force
Number of Machine Areas in force
Number of Tailings Areas in force
Number of Garden Areas in force
Number of Mining Licenses issued during
Number of Quarry Licenses issued during	17	1
Number of Business Licenses issued during



East Murchison United.
Lawlers, East Murchison G.F.



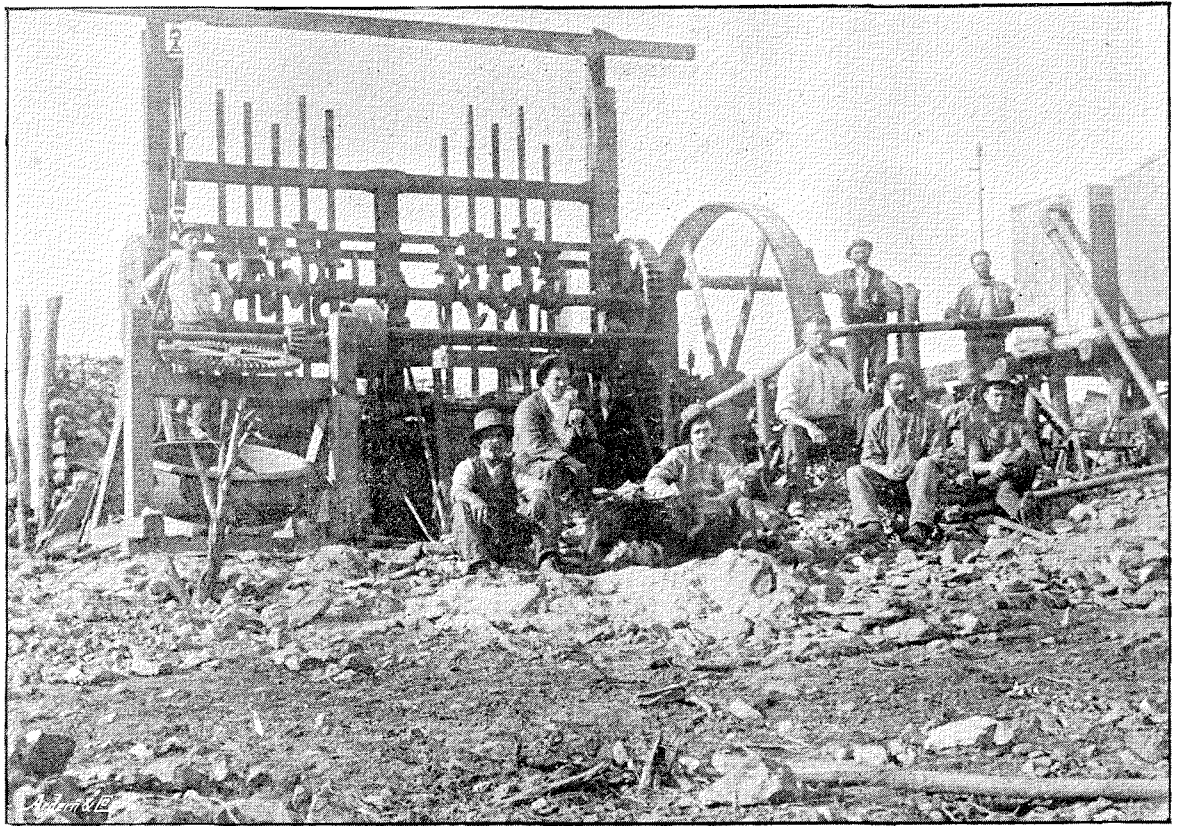
East Murchison United (new 20-head Battery in course of erection).
Lawlers, East Murchison G.F.



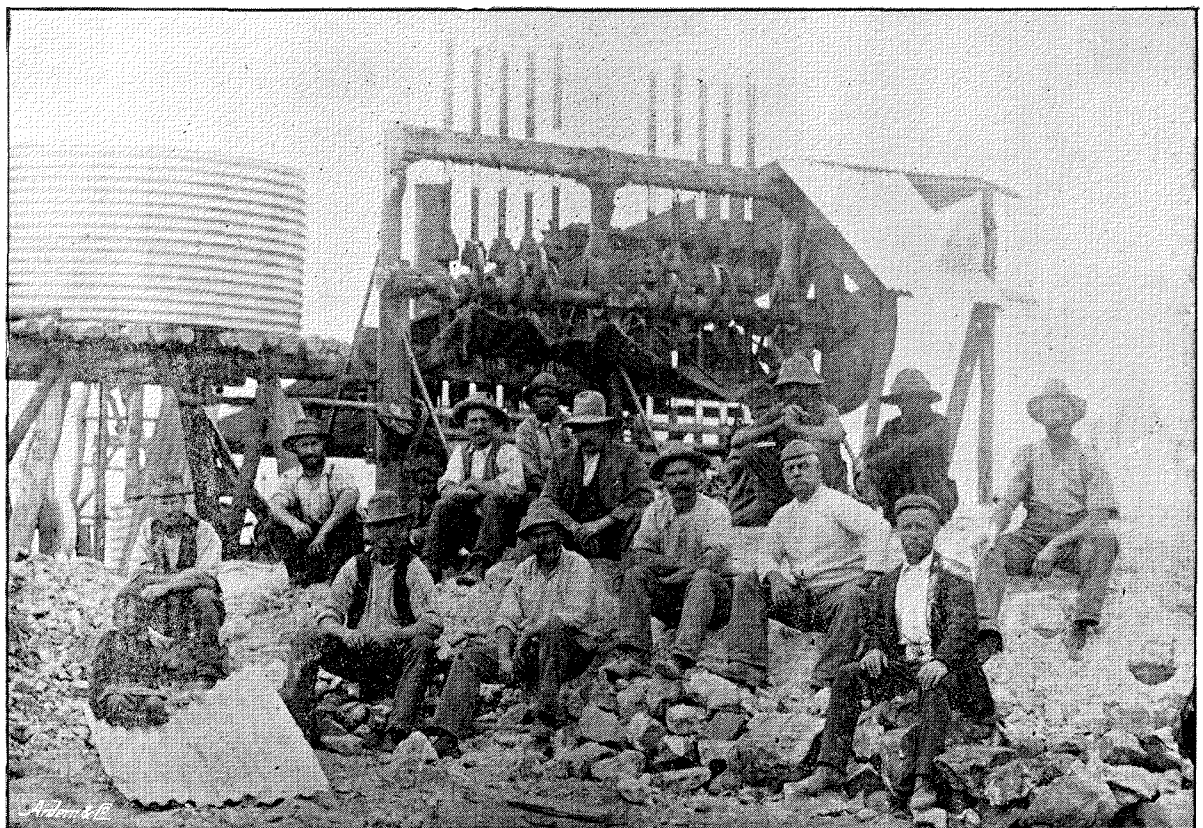
Vegetables Grown at Lake Way.
East Murchison G.F.



5-Head Battery, Mt. Sir Samuel.
East Murchison G.F.



The Trenton Mine.
Lake Way, East Murchison G.F.



Monarch of the East G. M. Co.
Lake Way, East Murchison G.F.

TABLE C.

Table showing Number, Description, and Area of Mineral Leases in Force.

Description of Minerals.	District.	Number of Leases.		Area in Acres.	
		1899.	1900.	1899.	1900.
Lime Burning	East Murchison ...	...	1	...	2
Brickmaking	Do. ... ..	...	1	...	2
Total ... ..	... ..	...	2	...	4

TABLE D.

** List of Ore-Reduction Plants.*

Goldfield.	Number of Stamps erected.		Value of Mining Machinery.	
	1899.	1900.	1899.	1900.
East Murchison	144	†155	£ 68,915	£ 106,348

* For details, see Mining Statistics. † Also 1 Tremain, 3 Prospecting Mills.

TABLE E.

Particulars of Mining Accidents.

	1899.	1900.
Number of men injured	5	9
Number of men killed	1	Nil

TABLE F.

Showing Population of each Mining Centre on 31st December, 1900, as compared with 31st December, 1899.

Mining Centre.	Males.		Females.		Total.		Increase.	Decrease.
	1899.	1900.	1899.	1900.	1899.	1900.		
Black Range ... ..	...	7	...	2	...	9	9	...
Kathleen Valley ... ..	...	90	...	5	...	95	95	...
Lawlers	350	420	40	70	390	490	100	...
Lake Way	185	265	15	15	200	280	80	...
Sir Samuel	145	175	15	15	160	190	30	...
Lake Darlôt	40	100	4	8	44	108	64	...
Mt. Clifford ... ..	...	20	...	...	...	20	20	...
New England ... ..	...	10	...	...	...	10	10	...
Wilson's Creek	7	7	...	...	7	7	...	...
Total	727	1,094	74	115	801	1,209	408	...

TABLE G.
Mining Revenue 1899-1900.

	District.	Year 1899.			Year 1900.		
		£	s.	d.	£	s.	d.
Lease Rental under Goldfields Act	East Murchison	1,617	11	0	1,873	10	0
Other sources under Goldfields Act	Do.	454	5	0	441	17	3
Lease Rental under Mineral Lands Act	Do.	...	...	...	1	5	0
Other sources under Mineral Lands Act	Do.	...	...	...	0	5	0
Survey Fees (Leases, Areas, etc.)	Do.	479	2	6	411	17	6
Fees, (Examination of Engine-drivers)	Do.	16	10	0	28	10	0
Exemption Fees... ..	Do.	296	1	0	342	13	0
Receipts from Public Batteries	Do.	...	...	...	29	5	0
Fees under Boiler Inspection Act	Do.	...	...	...	1	6	9
Receipts from all other Sources	Do.	4	8	3	...	...	...
Total Mining Revenue ... ..	...	£2,867 17 9			£3,130 9 6		

TABLE H.
Average Number of Miners Employed.

Goldfield.	Reef or Lode.		Alluvial.		Total.	
	1899.	1900.	1899.	1900.	1899.	1900.
	East Murchison	550	873	50	99	600	972

TABLE I.
Water Supply during Year 1900.

Mining Centre.	Average depth at which Salt Water is struck.	Average depth at which Fresh or Stock Water is struck.	Government Tanks : Number and Contents.	Average Rainfall.
Lawlers ... ..	...	60ft.	Nil	15·00
Lake Darlôt	60ft.	20ft.	Nil	...
Sir Samuel	80ft.	60ft.	Nil	...
Lake Way	60ft.	60ft.	Nil	...
New England ... ..	...	65ft.	Nil	...

TABLE J.
Ruling Rates of Wages during 1900.

Miners above ground	per week,	£	s.	d.
Miners below ground ... ..	..	3	10	0
Miners, wet ground ... ..	..	4	0	0
Engine-drivers ... ..	..	4	10	0
Mechanics... ..	..	5	0	0
Carpenters... ..	..	4	10	0
Labourers... ..	..	3	10	0

TABLE K.
** Yield of Gold for Year ended 1900.*

Goldfield.	Alluvial.	Dolled and Specimens.	Tons Crushed.	Return in Ozs.	Total yield.		Average per ton exclusive of Alluvial and Specimens.	
					1899.	1900.	1899.	1900.
East Murchison	ozs. 738·54	ozs. 280·13	56,923·00	63,679·36	ozs. 45,038·90	ozs. 64,698·03	ozs. ·99	ozs. 1·11

* For details, see Mining Statistics.

Acting Warden's Report on the Gascoyne Goldfield for the year 1900.

To the Under Secretary for Mines, Perth.

SIR,

I have the honour to forward, for the information of the Honourable the Minister for Mines, the following report on the Gascoyne Goldfield for the year ending 1900:—

Bangemall, the main working centre of this goldfield, is situated in the Centipede Range, and about 250 miles from the port of Carnarvon, about 25 miles West of Mt. Augustus, and about seven miles South of Edithanna Pool, on the Lyons River. The settlement is very favourably located on rising ground a few chains South of the Euranna Creek, and is provided with a plentiful supply of good fresh water obtainable from the Government well.

I regret having to report that, with the exception of the Eldorado, all the leases have been abandoned; no doubt, to some extent, the cause has been the failure of the private battery to successfully treat the stone. It is a pity this battery—a Tremain mill—is not put to better use by the owners, instead of allowing it to become ruined by exposure to the weather. The Eldorado Lease gave a return of 16 and 23 dwts. from two respective crushings, and I am of opinion that, with practical and economical management of mine and mill, this lease would be self-supporting. The lease is at present under exemption, and, when the term expires, it is to be hoped the owners will again proceed to systematically develop their worthy property, as the progress of the field, to a great extent, depends on the future developments of the Eldorado.

The auriferous country at and around Bangemall looks favourable for payable reefs. It is volcanic; numerous ironstone and quartz reefs outcrop, and the stone is of a good class. The old alluvial workings have been fossicked by a fluctuating population, with varying results. A nugget weighing between 30oz. and 40oz. net was found by Robert Wilkinson, on the ironstone hill at the back of the settlement, but in addition to this and a few other smaller nuggets, the gold obtained was of a small sample. All the diggers seem to be averaging tucker, a few only making wages. I am inclined to think that new gullies will be opened up in the near future. There is also every indication of a deep lead being found on the flat, near the settlement.

The goldfield offers good opportunities to prospectors, as the auriferous belt runs through fairly well-watered country, is very favourable, and from information received very little legitimate prospecting has been done.

A good track for pack-horses is now opened between the Gascoyne and Ashburton goldfields; the distance is about 110 miles from my camp, on O'Grady's Creek, Ashburton River, travelling through the Eastern end of the Capricorn Range to Hancock's Well; thence in a South-South-Westerly direction to Coorabooka Spring; thence South to Bangemall, crossing the Lyons River two miles above Edithanna Pool. The country between the two fields is composed of slate, limestone, granite, and a little diorite. Ironstone and quartz reefs outcrop, but are not numerous. Two likely looking pieces of country are met with: one is apparently a continuation of the "Secret" belt, and in a good season should be well worthy of a trial. The country is much disturbed on the divide of the Lyons and Ashburton watershed, but is more settled and worn down as the Ashburton is approached.

At the time of my visit, last month, there were only 15 men on the field. Rations are fairly reasonable, considering the distance of carting, a good assorted supply being obtainable.

I have, etc.,

A. PHELPS,
Acting Warden,

Ashburton and Gascoyne Goldfields.

Mt. Mortimer, 23rd January, 1901.

TABLE A.

Applications for Leases, etc., under the Goldfields Act.

	Year 1899.	Year 1900.
Number of Gold Mining Leases applied for
Area of Gold Mining Leases applied for, in acres
Number of Gold Mining Leases abandoned, surrendered, or forfeited
Number of Gold Mining Leases refused
Number of Gold Mining Leases in force	5	5
Area of Gold Mining Leases in force, in acres	72	72
Number of Water Rights in force
Area of Water Rights in force, in acres
Number of Quartz Claims in force
Number of Alluvial Claims in force
Number of Protection Areas in force
Number of Residence Areas in force
Number of Business Areas in force
Number of Machine Areas in force
Number of Tailings Areas in force
Number of Garden Areas in force
Number of Miners' Rights issued during
Number of Business Licenses issued during

TABLE B.

Applications for Leases, etc., under the Mineral Lands Act.

	Year 1899.	Year 1900.
Number of Mineral Leases applied for
Area of Mineral Leases applied for, in acres
Number of Mineral Leases abandoned, surrendered, or forfeited
Number of Mineral Leases refused	1
Number of Mineral Leases in force
Area of Mineral Leases in force, in acres
Number of Water Rights in force
Area of Water Rights in force, in acres
Number of Lode Claims in force
Number of Alluvial Claims in force
Number of Protection Areas in force
Number of Residence Areas in force
Number of Business Areas in force
Number of Machine Areas in force
Number of Tailings Areas in force
Number of Garden Areas in force
Number of Mining Licenses issued during
Number of Quarry Licenses issued during
Number of Business Licenses issued during

TABLE C.

Table showing Number, Description, and Area of Mineral Leases in force.—Nil.

TABLE D.

**List of Ore-reduction Plants.*

Goldfield.	Number of Stamps erected.		Value of Mining Machinery.	
	1899.	1900.	1899.	1900.
Gascoyne	†	†	£ 1,525	£ 1,525

* For details, see Mining Statistics. † 1 Tremain Mill.

TABLE E.

Particulars of Mining Accidents.

	1899.	1900.
Number of Men injured	Nil	Nil
Number of Men killed	Nil	Nil

TABLE F.

Showing Population of Goldfield on 31st December, 1900, as compared with 31st December, 1899.

Goldfield.	Males.		Females.		Total.		Increase.	Decrease.
	1899.	1900.	1899.	1900.	1899.	1900.		
Gascoyne	*	15	*	...	*	15		

* Complete figures not available for 1899.

TABLE G.
Mining Revenue 1899-1900.

	District.	Year 1899.	Year 1900.
		£ s. d.	£ s. d.
Lease Rental under Goldfields Act	Gascoyne ...	36 0 0	13 16 0
Other sources under Goldfields Act	Do. ...	56 9 0	15 2 0
Lease Rental under Mineral Lands Act	Do. ...	...	...
Other sources under Mineral Lands Act	Do. ...	0 11 0	...
Survey Fees (Leases, Areas, etc.)	Do. ...	...	...
Fees (Examination of Engine-drivers)	Do. ...	...	...
Exemption Fees	Do. ...	7 7 0	6 6 0
Receipts from Public Batteries	Do. ...	...	...
Fees under Boiler Inspection Act	Do. ...	...	...
Receipts from all other Sources	Do. ...	...	...
Total Mining Revenue ... ..	...	£100 7 0	£35 4 0

TABLE H.
Average number of Miners employed.

Goldfield.	Reef or Lode.		Alluvial.		Total.	
	1899.	1900.	1899.	1900.	1899.	1900.
Gascoyne	4	...	...	12	4	12

TABLE I.
Water Supply during Year 1900.

Goldfield or Station.	Average depth at which Salt Water is struck.	Average depth at which Fresh or Stock Water is struck.	Government Tanks; number and contents.	Average Rainfall.
Gascoyne Goldfield— Bangemall	Government well; good fresh water	No record.
* Towera	15.14
* Woorkadjia	11.81

* As these stations lie near to the Goldfields' boundary, the average rainfall may be gauged thereby.

TABLE J.
Ruling Rates of Wages during 1900.

	£ s. d.	£ s. d.
Miners above ground per week,	4 0 0	...
Miners below ground	4 0 0	...
Miners wet ground ... ..	...	...
Engine-drivers ... ..	...	...
Mechanics ... ..	...	...
Carpenters ... ..	...	...
Labourers	3 0 0 to 4 0 0	...

TABLE K.
* Yield of Gold for Year ended 1900.

Goldfield.	Alluvial.	Dolled and Specimens.	Tons crushed.	Return in Ozs.	Total yield.		Average per ton exclusive of Alluvial and Specimens.	
					1899.	1900.	1899.	1900.
Gascoyne	ozs. 74.00	...	...	...	ozs. 333.77	ozs. 74.00	ozs. .91	...

* For details, see Mining Statistics.

Warden's Report on the Mount Margaret Goldfield for the year 1900.

The Under Secretary for Mines.

SIR,

I have the honour to submit for the information of the Honourable the Minister, the following Report on the Mount Margaret Goldfield for the year 1900:—

I am pleased to say I have once again to report another year of satisfactory progress. It is true that less leases are being applied for now than has hitherto been the case, but this is due to the fact that hardly any prospecting for new deposits has been done during the year. As it was in 1899, so was it, also, in 1900, that almost all the new discoveries have been the result of accident rather than of *bonâ fide* prospecting work. The genuine prospector, the man who goes afield into new country to search for and prospect new deposits is, in a great measure, conspicuous by his absence. This condition of things is bad, and can partly be accounted for by the fact that the equipment of a prospecting party entails a considerable outlay of capital which, in the majority of instances, is altogether beyond the means of the ordinary and *bonâ fide* prospector, and partly to the fact that it is well known that the great majority of the auriferous deposits throughout this field, even when found, are too low grade for prospectors to open out and develop sufficiently to enable capitalists to form some idea as to their values. To rectify this state of things and to encourage the opening up and exploitation of new country, some system should be devised by the Government whereby assistance could be rendered to *bonâ fide* prospectors in searching for new lodes and reefs, and, when found, in opening them out and determining their value.

The number of leases taken up during the year under review was 204, which, though not as many as in previous years, must, under the existing condition of things, be considered satisfactory. The number of leases for gold mining at present in existence on the field totals 277, and the majority of these, I am pleased to say, are being worked in a *bonâ fide* manner, and are not being held for speculative purposes, as was formerly so much the case. Several groups of leases were taken over by companies during the year, and vigorous development work is being prosecuted on them, and in some instances crushing machinery is being erected. This field has, to a great extent, suffered from the depression common to all the goldfields of this State during the whole of the year 1900, but in spite of this the progress for the year has been very great, and the permanency of the industry fairly well established by the value of the lodes at depth, as demonstrated in some of the larger mines. The strides which this field has made, and the very prominent position which it now holds amongst the goldfields of the State (being second only to Kalgoorlie in revenue and gold production), when we take into consideration the great disabilities and disadvantages, in comparison with other fields, which it has all along had, and even yet has, to contend against, is surely an index of the vastness and value of its mineral deposits, and of the position it is destined to hold amongst the goldfields of Australasia. Railway communication, not only to Malcolm and Leonora, but to Morgans and Laverton, is absolutely necessary if the introduction of capital is to be encouraged. There are numbers of low grade deposits throughout the field which capitalists at present, owing to the high rates of cartage, will not look at, but which, under more economic conditions, could, and most certainly would, be worked at a profit. No one not conversant with the present conditions of mining, the high rates for carting, and the scarcity of mining timber and fuel, can possibly realise what a great factor railway communication would be in the opening up and development of the mineral wealth which is to be found from one end of this field to the other. No railway in the State was ever more justified, at the time of its construction, than is one to the different centres of this field at the present time. The construction of the Menzies-Leonora line has, I am pleased to know, been commenced, and I hope, during the coming session of Parliament, a Bill will be introduced for its extension from Malcolm *viâ* Mount Morgans to Laverton. The mines around these centres are at present terribly handicapped owing to the absence of transit facilities, and, notwithstanding the fact that they are paying high prices for carting, they are completely at the mercy of the forwarding agents at Menzies, the present terminus of the line. Timber suitable for mining purposes is now almost unobtainable in the vicinity of the larger mines. Several of these mines indeed are, even under the present condition of things, compelled to import Oregon. Firewood is also, around these mines, becoming extremely scarce, and is only with the greatest difficulty obtained at anything like fair prices. The railway route, as surveyed, taps a lot of good timber country which, when the line is constructed, will be accessible to many mines at a reasonable cost, and will add considerably to the railway receipts.

As evidence of the progress which this field has made as a gold producer during the past twelve months, I have only to point to the particulars given in Table K, which compares the output for 1900 with that for 1899.

In 1897 the output was 27,584ozs., in 1898 it was 49,718ozs., in 1899 it was 79,923ozs., and in 1900, the year under review, it reached the splendid total of 145,689ozs. In other words, this field has, during the three years and nine months of its existence, from 1st April, 1897, to 31st December, 1900, produced 302,914ozs., of which 145,689ozs. were produced in 1900. This is a record which speaks for itself, and that, too, in no uncertain language. It proves that, in spite of depression and the great disadvantages which this field has always had to contend against, the value of its ore bodies have been sufficient to bring it into a position of which its best well wishers might well be proud.

Of alluvial gold there is practically none on this field. No new finds have been made during the year, and the little which is being obtained is specked from the old workings.

The mining revenue for the year was £13,471 14s., which, though less than that for 1899, which was £14,423 11s. 3d., is nevertheless a very good one and, excluding receipts from public batteries, is second only to Kalgoorlie. Including receipts from these batteries, the North Coolgardie Goldfield ranks second and this field takes third place.

There is at present only one Government Public Battery on this field. It is situated on the old Johannesburg lease, near Leonora, and was started by the Minister for Mines on the 27th January, 1899, and for that year crushed 67 parcels of ore, amounting in the aggregate to 2,164 tons for a return of 1,605·47ozs. During 1900 it treated 60 parcels, amounting to 2,546 tons, for a return of 1,942·85ozs.

This field, as is well known, is divided into two districts, viz.—Mount Malcolm, comprising an area of 2,644 square miles, and Mount Margaret, comprising an area of 39,510 square miles.

MALCOLM DISTRICT.

In the Mount Malcolm District there were, on the 31st December, 154 leases in force (*vide* Table A). The gold output for the year was 93,032·87ozs., with an average per ton, excluding specimens and alluvial, of 1·12ozs. (*vide* Table K). This is an increase of 37,443·66ozs. over last year. The chief mines in this district are the Sons of Gwalia, with 60 stamps and a large cyanide plant at work; Merton's Reward, with 20 stamps working; the Malcolm Mines, Limited, on which 30 stampers and a cyanide plant are at work, and the North Star, with 20 stamps working. The output for the year from the Sons of Gwalia Mine was 53,589·41ozs. This mine is a big and valuable property, and gives every promise of being a consistent and large gold producer. Recent developments at depth are most satisfactory.

During the year considerable work was done on the leases to the South of the Sons of Gwalia Mine, and, at present, prospecting work is being vigorously carried on by means of diamond drilling, but so far the values have been disappointing. However, there is a possibility of higher grade ore being met with at a depth, and this will be determined by the diamond drills. These leases are owned by the Gwalia Consolidated, Ltd.

The Anaconda Copper Mine, near Murrin Murrin, is opening out most satisfactorily. The average width of the lode is 10 feet. The electric light is installed. The water supply is fresh, and amounts to 15,000 gallons a day. A water-jacket blast furnace is being used for smelting the ore, and charcoal is used as fuel with most successful results. During the year, 4,539 tons were smelted for a return of 402·90 tons metallic copper, valued at £30,718. Other copper lodes have been discovered in this vicinity during the year, and several leases taken up. Prospecting work is now being done on them, and very encouraging results have, so far, been obtained.

The chief towns in the Mount Malcolm District are Malcolm and Leonora; the Warden residing and having his office at the first-named place. All the Government offices are here, including that of the Inspector of Mines. It has a population of 260 males and 100 females. The principal buildings are the Warden's Court and Offices, the Post and Telegraph Offices, with Savings Bank and Money Order Office attached, the Hospital, Mechanics Institute, five hotels, the Western Australian and National Banks, and the Government School. The Water Supply and the Works Departments have offices in the town. Branches of the Church of England, Roman Catholic, and Wesleyan Churches are also established here. There are also a lockup, Police quarters, and stables. The Local Court sits every first Wednesday in each month, and the Licensing Court also sits here. The number of children on the roll at the Government school on 31st December last, was 49. During the year 102 patients were admitted to the hospital, 17 of whom were suffering from typhoid. The deaths numbered eight; five from fever, one from heat apoplexy, one from pneumonia, and one from phthisis. The number of indigent patients treated was 26. This hospital receives assistance from Government. During the latter part of the year, Malcolm was declared a municipality.

Leonora is twelve miles West from Malcolm, with which it is connected by a road cleared by the Government. It is the centre of a very important mining district and promises to become a large town. Its population at present numbers 280 males and 87 females. In this town are branches of the Western Australian and National Banks, five hotels, shops of various kinds, a hospital receiving Government assistance, a lockup, and police quarters. A Local Court was established here during the year, and sits on the second Tuesday in each month. This town for some time to come will be the terminus of the railway line, and will, in consequence, be the distributing centre for the whole of the East Murchison Goldfield, from the chief town of which (Lawlers) it is distant about 90 miles. Leonora was also, during the year, declared a municipality. There is a Government school on the Sons of Gwalia mine, two miles distant, at which there are 43 children on the roll. During the year 102 patients were admitted into the hospital, of which number only one was indigent. There were six deaths, three being from typhoid; 35 typhoid cases were treated. The other townsites in this district are Mertondale, Kurrajong, and Murrin Murrin, but they are very small and at present unimportant. Several business areas have been granted near the Anaconda Copper Mines, and a township may by-and-by spring up here. There is a hotel and several shops on these areas.

The population of this district is estimated at 2,058 males and 476 females, making a total of 2,532 (*vide* Table F).

MOUNT MARGARET DISTRICT.

In this district, on 31st December last, there were 123 leases in force (*vide* Table A). Its progress during the year has been most satisfactory, and those who are conversant with the extent and value of its ore bodies have every confidence in its future as a district which will add considerably to the gold production from the State. During the year its gold output was 52,655·88oz., averaging per ton, excluding specimens and alluvial, 1·01oz. This is an increase over last year's production of 28,321·37ozs. (*vide* Table K).

The population of this district is estimated at 2,719, which is an increase of 1,283 over the estimated population on the 31st December, 1899. The chief mining centres in this district are Mount Morgans, Laverton, Mount Weld, and Erlistoun.

At Mount Morgans the chief mines are the Westralia, Mount Morgans, the Guests, and the Millionaire. On these a good deal of development work has been done, and each gives every promise of becoming a big mine. On the Westralia a 20-head mill has been running during the year, and a small cyanide plant has been at work. Thirty new 1,300lb. stampers are being erected, being the first portion of a 60-head mill, also a large cyanide and filter-pressing plant. The old mill will be taken down when the new one commences running. The electric light is installed on the mine. The dynamo used is a very powerful one, and besides providing all that is required for use on the mine, supplies the power necessary for lighting the town of Mount Morgans, which adjoins this and the other mines mentioned. The developments on this mine during the year have been highly satisfactory in every way. At the 200 feet level the lode averages over 20 feet in width, and has been driven on for over 500 feet. The value is about 25 dwts. all through. At the 100 feet level the lode has been followed for 1,600 feet, and is still payable, and has an average width of at least 18 feet, and averages in value an ounce. The shaft has been sunk to a depth of 310 feet, and a plat is being opened out at the 300 feet level preparatory to cross-cutting for the lode at that depth. During the year 17,283 tons were crushed for a return of 25,868·35 ozs.

Besides these three mines there are many other properties in the immediate vicinity which give every promise of developing into valuable mines.

At Laverton the chief mines are the Euro, Lancefield, Augusta, and Craiggimore. These have proved themselves good mines, and there are many others now being opened up which will be heard of in the near future.

It is proposed to erect a Government battery here during the present year, and I have no doubt it will prove a boon to many prospectors, and will give them the means ready at hand of proving in the best possible manner the value of their shows.

On the Euro, 20 Fraser & Chalmers' stampers are at work, and another 20 are being erected. This mine has been opened out down to the 400ft. level, and gives every promise of being a valuable and permanent property.

Considerable work has been done on the Craiggimore during the year, and the mine is looking better to-day than it has ever done. Ten stamps are running on this mine, and a cyanide plant is at work.

The Lancefield is opening out well, and the results achieved on this mine are an object lesson of what can be done in the way of working low grade ore at a profit.

Ten stamps are running on the Augusta mine, and the reef is maintaining its width and values at depth.

At Mount Weld a great number of leases are being worked by *bonâ fide* prospectors. This is essentially a prospectors' district, for the reefs, though very numerous, are small but very rich. So rich indeed are they that, to date, the crushings from this centre are well ahead of any ever obtained for the same quantity of ore treated from any other locality in the State. A private crushing plant of 10 stampers was erected here during the year, and another of five head is at present being erected. The former, however, has not as yet obtained a sufficient water supply to enable it to run anything like full time.

Not far from here is the Childe Harold group of leases. They were taken over during the year by an English company, and a 20-head battery is being erected on them.

Very little has been done at the Erlistoun during the past year, but this is in a measure due to its distance from railway communication, and I feel confident that this centre will yet prove as good a one as any on the field.

The two principal towns in the Mount Margaret district are Mount Morgans and Laverton.

Mount Morgans during the year has grown into a large and important township, and it has a great future before it. It is lighted by the electric light, supplied by a local syndicate, which obtains the required power, under an agreement, from the Westralia Mount Morgans mine, which adjoins the town boundary on the East.

Branches of the Western Australian and National Banks are now established here. A brewery is in full swing. There are four hotels, three of which are built of burnt bricks, and the fourth of wood and iron. Several burnt brick shops have been erected also, and the place has a prosperous and permanent aspect about it, which is not always noticeable in young goldfields townships. A local court was established here during the latter portion of the year, and sits on the third Monday in each month. The other principal buildings are the Post and Telegraph Office, with Savings Bank and Money Order Office, and the Hospital. This town was declared a municipality towards the end of the year. The population is estimated at 760, comprising 640 males and 120 females. This is an increase for the year of 365 persons. At the Hospital 103 patients were admitted during the year, of which number 18 were indigents. There was only one death, of pneumonia. Eight typhoid cases were treated.

Laverton is situated 25 miles by road from Mount Morgans in a North-Easterly direction, and lots were laid out in February, 1899, for business and residence areas. Since then its growth has been very rapid, and land has realised big prices at Government sales. As was the case in all of the other towns, the holders of the residence and business areas were allowed to purchase them under Section 30 of the Goldfields Act of 1895. This is a most centrally situated town and, in consequence, the Warden's Court and Registrar's offices for this district have been erected here. The other buildings of note are the Post and Telegraph offices with Savings Bank and Money Order office, the W.A. Bank, the Hospital, three wood and iron hotels, and several shops. A large and comfortably arranged hotel is being erected of burnt bricks which, when finished, will add considerably to the comfort of travellers.

The Local Court sits on the third Tuesday in each month, and also the Warden's Court.

The population of Laverton is estimated at 230, being 200 males and 30 females. This is an increase of 103 over the estimated population on 31st December, 1899.

The patients admitted into the hospital during the year numbered 168. There were five deaths; two from enteric fever and three from pneumonia.

Several business and residence areas were laid out in close proximity to the Euro mine during the year, and many have been taken up; and, in consequence, quite a little township is springing up in this locality. Its existence almost entirely depends on the permanency of the Euro mine, upon which are at present employed about 200 men. A branch of the National Bank opened here during the year, in a very good burnt brick building; and a good substantial burnt brick hotel and several shops and other buildings have also been erected on these areas.

Areas were also laid out at Burtville towards the end of the year, and many have been taken up.

A considerable amount of country on this Goldfield is held under pastoral lease, but so far very little of it has been stocked.

The season of 1900 was a very good one, and, in consequence, vegetation came up in abundance everywhere. (For Rainfall, *see* Table I). The butchers all keep splendid stock and meat. Both beef and mutton can be obtained in every centre on the field, at prices ranging from 8d. to 1s. 3d. per lb. Tinned meat is at a discount, excepting in out of the way places which a butcher cannot reach, and which are not large enough to support one of its own. There are also many vegetable gardens in existence, and vegetables are fairly plentiful nearly all the year round. The well water is fresh, and windmills are employed in all the towns and at many of the gardens for raising it.

The population of the goldfield is 5,253 persons, consisting of 4,438 males and 815 females. (*Vide* Table F).

Tables A to M attached to this report give various statistics for the years 1899 and 1900, which will prove of interest to those who have the welfare and the progress of the goldfield at heart.

A locality plan is also attached showing positions of the principal leases, roads, batteries, townsites, Government wells, etc., and should be both instructive and useful.

In conclusion, I may state I have every confidence in the future of this goldfield, and look forward to being able, at the end of 1901, to give you a satisfactory account of another year of progress and advancement.

I wish, in bringing this report to a close, to place on record my high appreciation of the services rendered me by the officials of each department over which I have control.

ARCH. E. BURT,
Warden, Mount Margaret Goldfield.

Malcolm, 8th April, 1901.

TABLE A.
Applications for Leases, etc., under the Goldfields Act.

	Year 1899.	Year 1900.
MOUNT MALCOLM DISTRICT.		
Number of Gold Mining Leases applied for	140	64
Area of Gold Mining Leases applied for, in acres	2,249	970
Number of Gold Mining Leases abandoned, surrendered, or forfeited	106	115
Number of Gold Mining Leases refused	5	1
Number of Gold Mining Leases in force	206	154
Area of Gold Mining Leases in force, in acres	3,885	2,990
Number of Water Rights in force	41	57
Area of Water Rights in force, in acres	747	780½
Number of Quartz Claims in force	31	50
Number of Alluvial Claims in force	1	2
Number of Protection Areas in force	33	41
Number of Residence Areas in force	13	29
Number of Business Areas in force	26	36
Number of Machine Areas in force	4	4
Number of Tailings Areas in force	2	2
Number of Garden Areas in force	9	18
Number of Reward Claims in force	1	1
Number of Miners' Rights issued during	533	399
Number of Business Licenses issued during	59	39
MT. MARGARET DISTRICT.		
Number of Gold Mining Leases applied for	225	140
Area of Gold Mining Leases applied for, in acres	4,283	2,080
Number of Gold Mining Leases abandoned, surrendered, or forfeited	198	100
Number of Gold Mining Leases refused	5	4
Number of Gold Mining Leases in force	88	123
Area of Gold Mining Leases in force, in acres	1,634	2,510
Number of Water Rights in force	15	34
Area of Water Rights in force, in acres	109	155½
Number of Quartz Claims in force	2	3
Number of Alluvial Claims in force	...	...
Number of Protection Areas in force	27	13
Number of Residence Areas in force	62	77
Number of Business Areas in force	49	102
Number of Machine Areas in force	...	6
Number of Tailings Areas in force	3	1
Number of Garden Areas in force	...	1
Number of Miners' Rights issued during	419	393
Number of Business Licenses issued during	62	63

TABLE B.

Applications for Leases, etc., under the Mineral Lands Act.

	Year 1899.	Year 1900.
MOUNT MALCOLM DISTRICT.		
Number of Mineral Leases applied for	6	24
Area of Mineral Leases applied for, in acres	198	517
Number of Mineral Leases abandoned, surrendered, or forfeited	2	5
Number of Mineral Leases refused	1
Number of Mineral Leases in force	18
Area of Mineral Leases in force, in acres	374
Number of Water Rights in force
Area of Water Rights in force, in acres
Number of Lode Claims in force
Number of Alluvial Claims in force
Number of Protection Areas in force	1
Number of Residence Areas in force
Number of Business Areas in force
Number of Machine Areas in force
Number of Tailings Areas in force
Number of Garden Areas in force
Number of Mining Licenses issued during	7	48
Number of Quarry Licenses issued during	4
MT. MARGARET DISTRICT.		
Number of Mineral Leases applied for	2	4
Area of Mineral Leases applied for, in acres	7	84
Number of Mineral Leases abandoned, surrendered, or forfeited	1
Number of Mineral Leases refused	1
Number of Mineral Leases in force	3
Area of Mineral Leases in force, in acres	26
Number of Water Rights in force
Area of Water Rights in force, in acres
Number of Lode Claims in force
Number of Alluvial Claims in force
Number of Protection Areas in force
Number of Residence Areas in force
Number of Business Areas in force
Number of Machine Areas in force
Number of Tailings Areas in force
Number of Garden Areas in force
Number of Mining Licenses issued during	4
Number of Quarry Licenses issued during

TABLE C.

Table showing Number, Description, and Area of Mineral Leases in Force.

Description of Minerals.	District.	Number of Leases.		Area in Acres.	
		1899.	1900.	1899.	1900.
Copper	Mount Malcolm ...	2	6	130	142
Limestone	Do. ...	3	8	58	172
Earth for Bricks	Do. ...	1	2	10	15
Silver and Copper ... ..	... ..	...	2	...	45
Total ... ..	...	6	18	198	374
Building Stone	Mt. Margaret ...	...	1	...	4
Clay for Brickmaking	Do. ...	...	1	...	3
Copper	Do. ...	...	1	...	19
Total ... ..	...	...	3	...	26

TABLE D.

** List of Ore-reduction Plants.*

District.	Number of Stamps erected.		Value of Mining Machinery.	
	1899.	1900.	1899.	1900.
Mt. Malcolm	198	+258	£ 101,366	£ 240,890
Mt. Margaret	101	131	33,335	83,718
Total	299	389	£134,701	£324,608

* For details, see Mining Statistics. + 2 Tremain Mills, 2 Prospecting Mills, 1 Crushing Roller.

TABLE E.
Particulars of Mining Accidents.

	1899.	1900.
Number of Men injured	4	10
Number of Men killed	6	4

TABLE F.
Showing Population of each District on 31st December, 1900, as compared with 31st December, 1899.

District (including Towns).	Males.		Females.		Total.		Increase.	Decrease.
	1899.	1900.	1899.	1900.	1899.	1900.		
Mt. Malcolm	2,305	2,058	434	476	2,739	2,532	...	207
Mt. Margaret	1,235	2,380	201	339	1,436	2,719	1,283	...
	3,540	4,438	635	815	4,175	5,251	1,076	...

Showing Population of each Town.

Malcolm	305	260	94	100	399	360	...	39
Leonora	282	280	53	87	335	367	32	...
Kurrajong	25	5	6	4	31	9	...	22
Murrin Murrin	10	15	7	10	17	25	8	...
Mt. Morgans	300	640	95	120	395	760	365	...
Laverton	102	200	25	30	127	230	103	...
Mt. Margaret ... ..	...	...	...	...	...	...	...	...
Mertondale ... ..	...	100	...	15	...	115	115	...
Total	1,024	1,500	280	366	1,304	1,866	562	...

TABLE G.
Mining Revenue, 1899-1900.

	District.	Year 1899.			Year 1900.		
		£	s.	d.	£	s.	d.
Lease Rental under Goldfields Act	Mt. Malcolm	3,961	9	0	3,292	17	0
Other sources under Goldfields Act	Do.	877	4	9	728	1	3
Lease Rental under Mineral Lands Act	Do.	19	5	0	130	0	3
Other sources under Mineral Lands Act	Do.	6	17	6	43	18	0
Survey Fees (Leases, Areas, etc.)	Do.	1,097	10	0	686	0	0
Fees (Examination of Engine-drivers)	Do.	40	0	0	56	15	0
Exemption Fees	Do.	339	5	0	233	18	0
Receipts from Public Batteries	Do.	1,603	17	0	2,232	10	3
Fees under Boiler Inspection Act	Do.	109	0	0	104	5	0
Receipts from all other sources	Do.	7	17	0	6	17	6
Total Mining Revenue ... ..	...	£8,062	5	3	£7,565	2	3
Lease Rental under Goldfields Act	Mt. Margaret	2,992	3	0	3,459	18	0
Other sources under Goldfields Act	Do.	1,008	6	6	965	9	0
Lease Rental under Mineral Lands Act	Do.	1	15	0	14	7	3
Other sources under Mineral Lands Act	Do.	...	...	...	2	2	6
Survey Fees (Leases, Areas, etc.)	Do.	2,194	16	0	1,261	12	0
Fees (Examination of Engine-drivers)	Do.	...	...	...	...	...	...
Exemption Fees	Do.	162	15	0	189	18	0
Receipts from Public Batteries	Do.	...	...	...	...	...	...
Fees under Boiler Inspection Act	Do.	...	...	...	...	...	...
Receipts from all other sources	Do.	1	10	6	13	5	0
Total Mining Revenue ... ..	...	£6,361	6	0	£5,906	11	9

TABLE H.
Average Number of Miners employed.

District.	Reef or Lode,		Alluvial,		Total.	
	1899.	1900.	1899.	1900.	1899.	1900.
Mount Malcolm	874	1,002	20	10	894	1,012
Mount Margaret	441	849	40	50	481	899
Total	1,315	1,851	60	60	1,375	1,911

TABLE I.
Water Supply during Year 1900.

District.	Average depth at which Salt Water is struck.	Average depth at which Fresh or Stock Water is struck.	Government Tanks—Number and Contents.	Average Rainfall.
Mt. Malcolm	None, except near Lakes	50 to 100 feet	None	12·16 inches
Mt. Margaret	None, except near Lakes	70 to 130 feet	None	15·50 inches

TABLE J.
Ruling Rates of Wages during 1900.

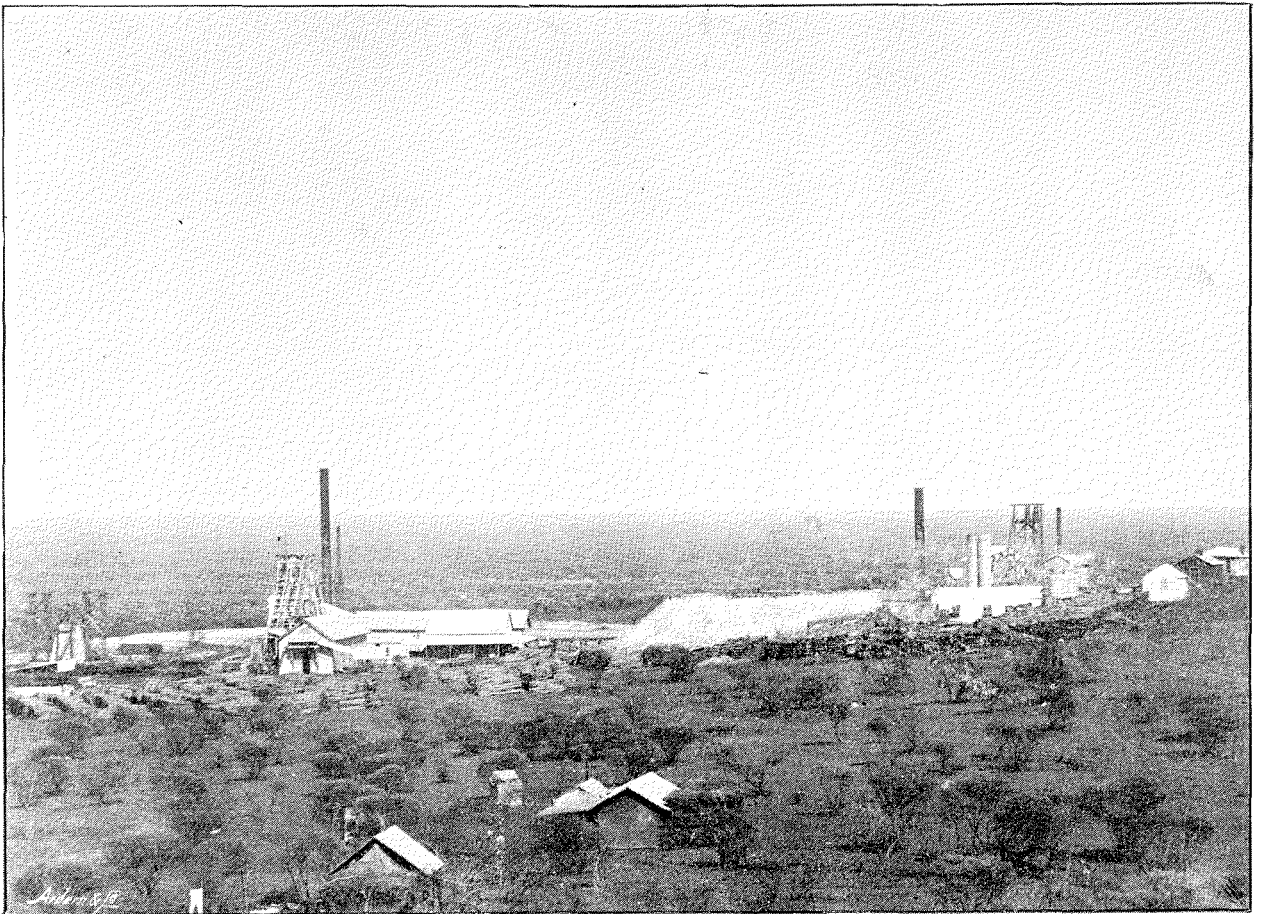
MT. MARGARET GOLDFIELD.

Miners above ground	per week,	£	s.	d.
Miners below ground	"	4	0	0
Miners wet ground	"	4	10	0
Engine-drivers	"	4	10	0
Mechanics	"	4	10	0
Carpenters	"	4	10	0
Labourers	"	3	10	0

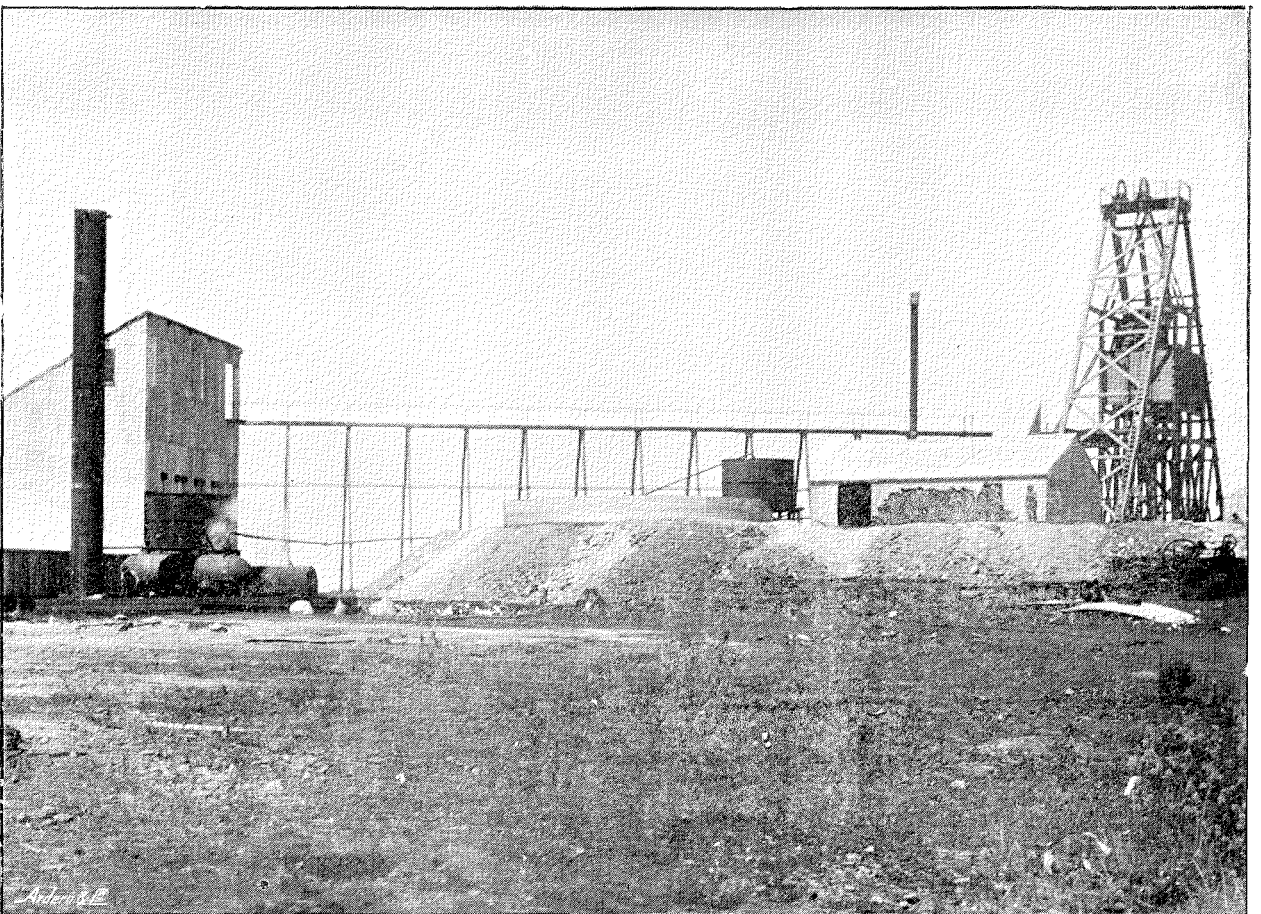
TABLE K.
* Yield of Gold for year ended 1900.

District.	Alluvial.	Dollied and Specimens.	Tons crushed.	Return in ozs.	Total yield.		Average per ton exclusive of Alluvial and Specimens.	
					1899.	1900.	1899.	1900.
Mt. Malcolm	ozs. 1·20	ozs. 964·19	81,496·50	92,067·48	ozs. 55,589·21	ozs. 93,032·87	ozs. ·95	ozs. 1·12
Mt. Margaret	4·00	307·60	51,324·75	52,344·28	24,334·51	52,655·88	1·32	1·01
Total	5·20	1,271·79	132,821·25	144,411·76	79,923·72	145,688·75	1·04	1·08

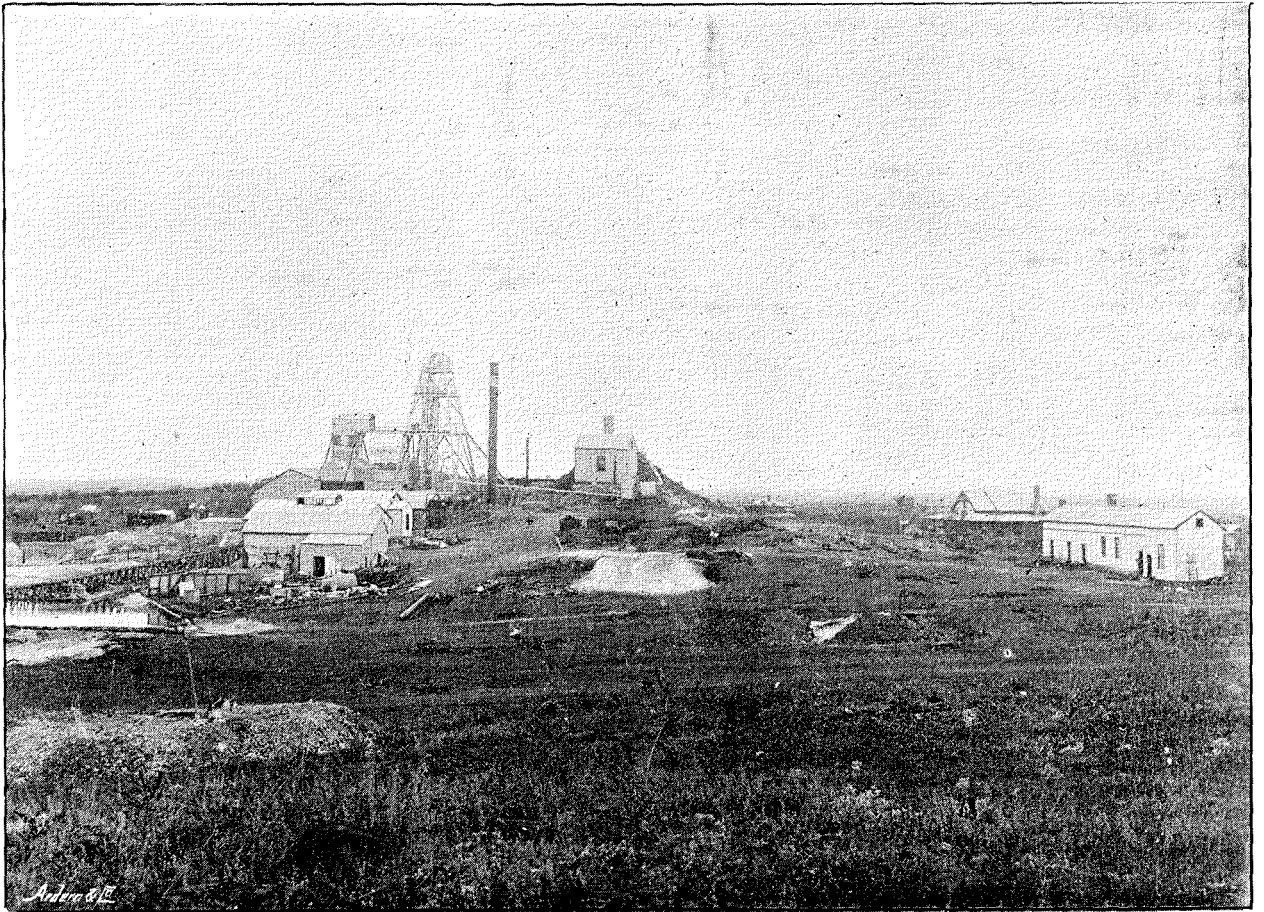
* For details, see Mining Statistics.



Sons of Gwalia.
Mt. Margaret G.F.



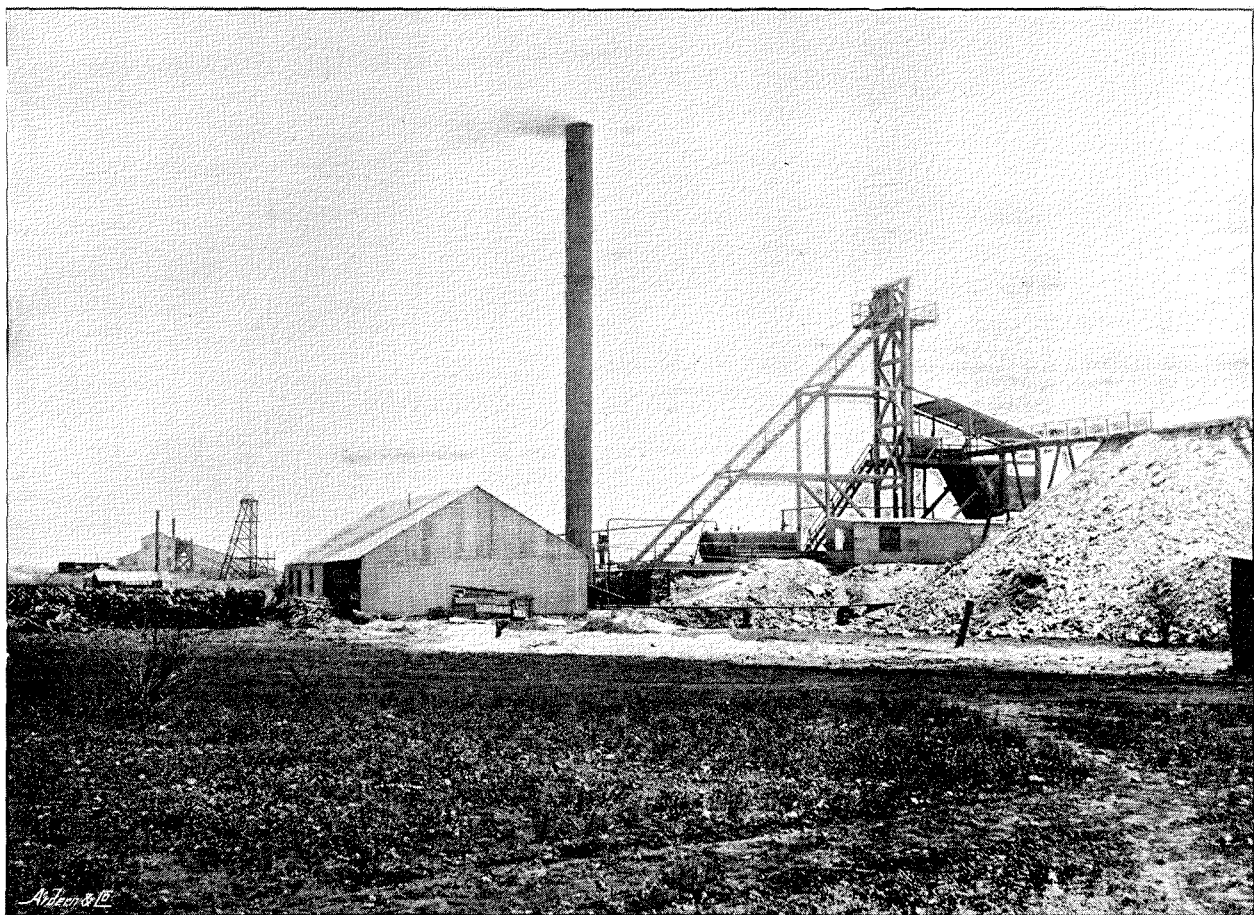
Euro G. M.
Mt. Margaret G.F.



Westralia Mt. Morgan.
Mt. Margaret G.F.



Guest's Westralia Mt. Morgan.
Mt. Margaret G.F.



The North Star, Mt. Malcolm.
Mt. Margaret G.F.

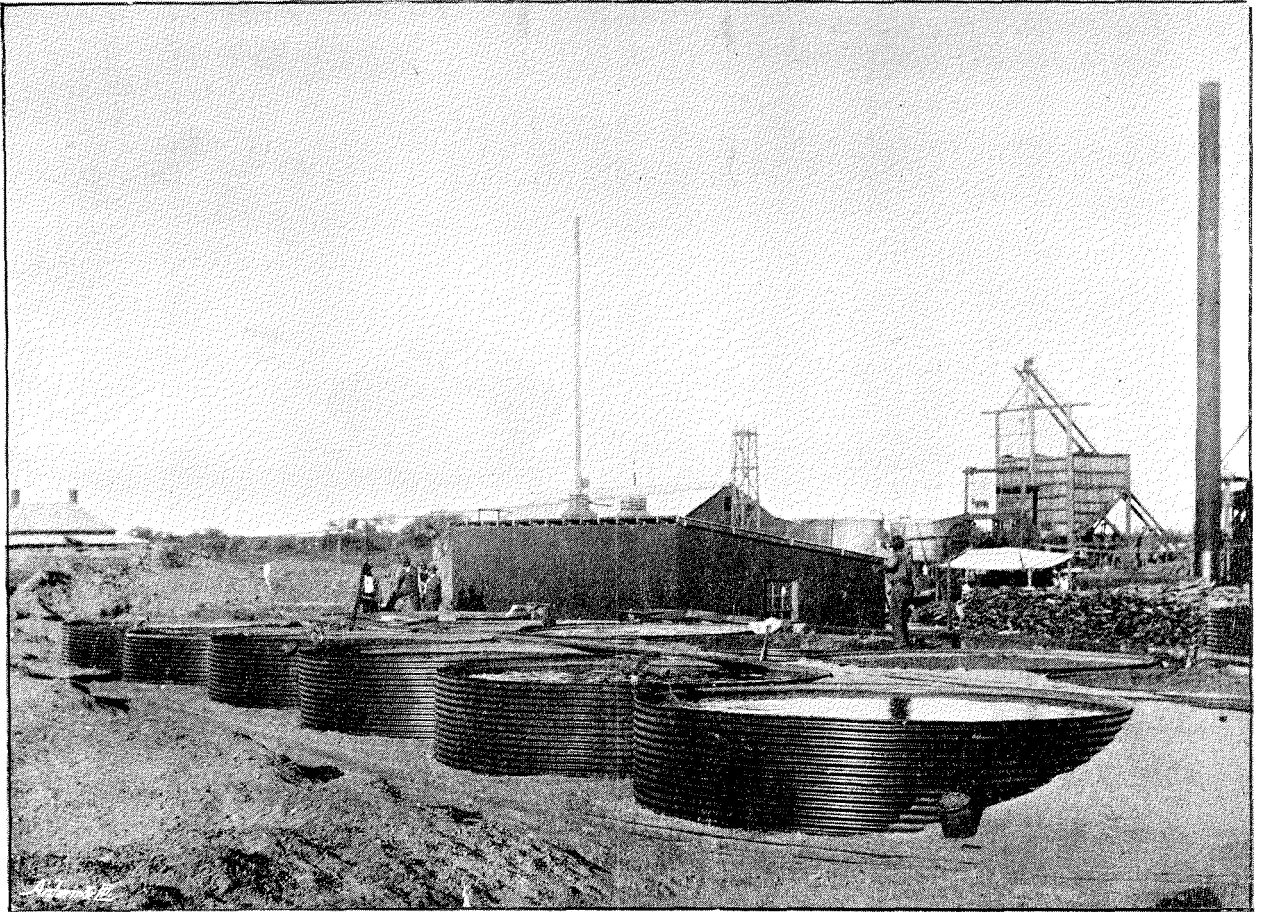


Augusta G. M.
Mt. Margaret G.F.

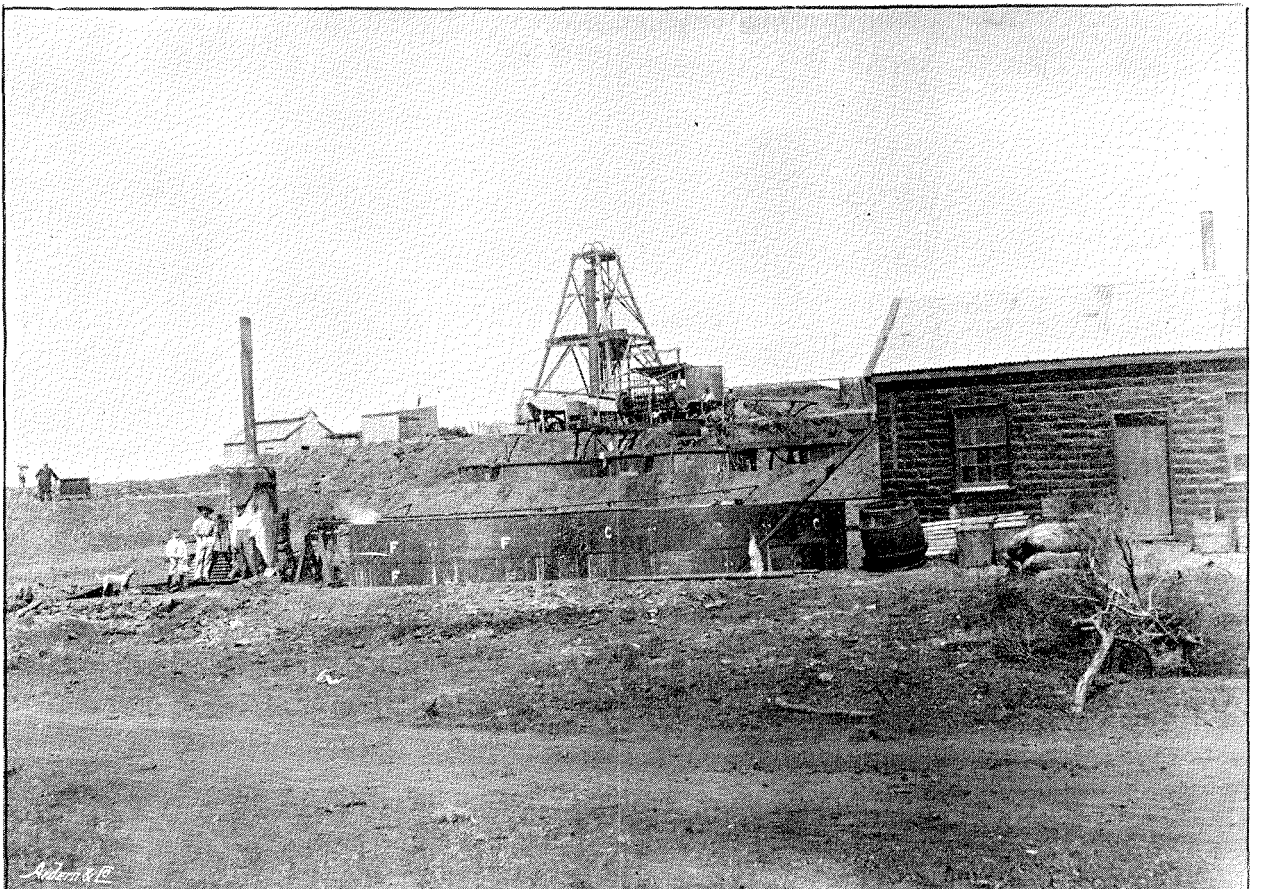


Anaconda Copper Mine.

Mt. Margaret G.F.

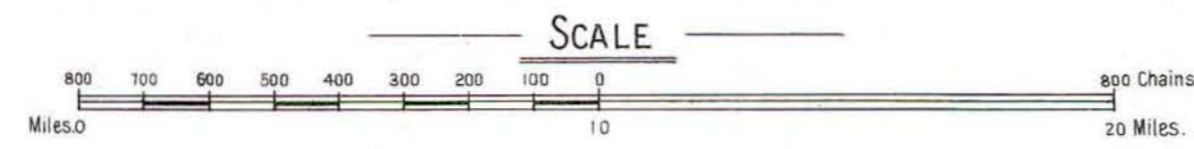


The Lancefield (Cyanide Vats), Laverton.
Mt. Margaret G.F.



The Craigie Moore, Laverton.
Mt. Margaret G.F.

— PORTION OF —
MT MARGARET GOLDFIELD
 —————
 MT MALCOLM DISTRICT AND PORTION OF MT MARGARET DISTRICT



Hon. H. B. Leifroy M. L. A.
 Minister of Mines.

*NOTE—Roads shewn as "Cut Tracks" are Private Work
 " " " " Cleared Roads are Government Work
 Gov' Wells are shewn thus ▲
 Batteries erected & N^o of Stamps employed shewn thus ⑩*

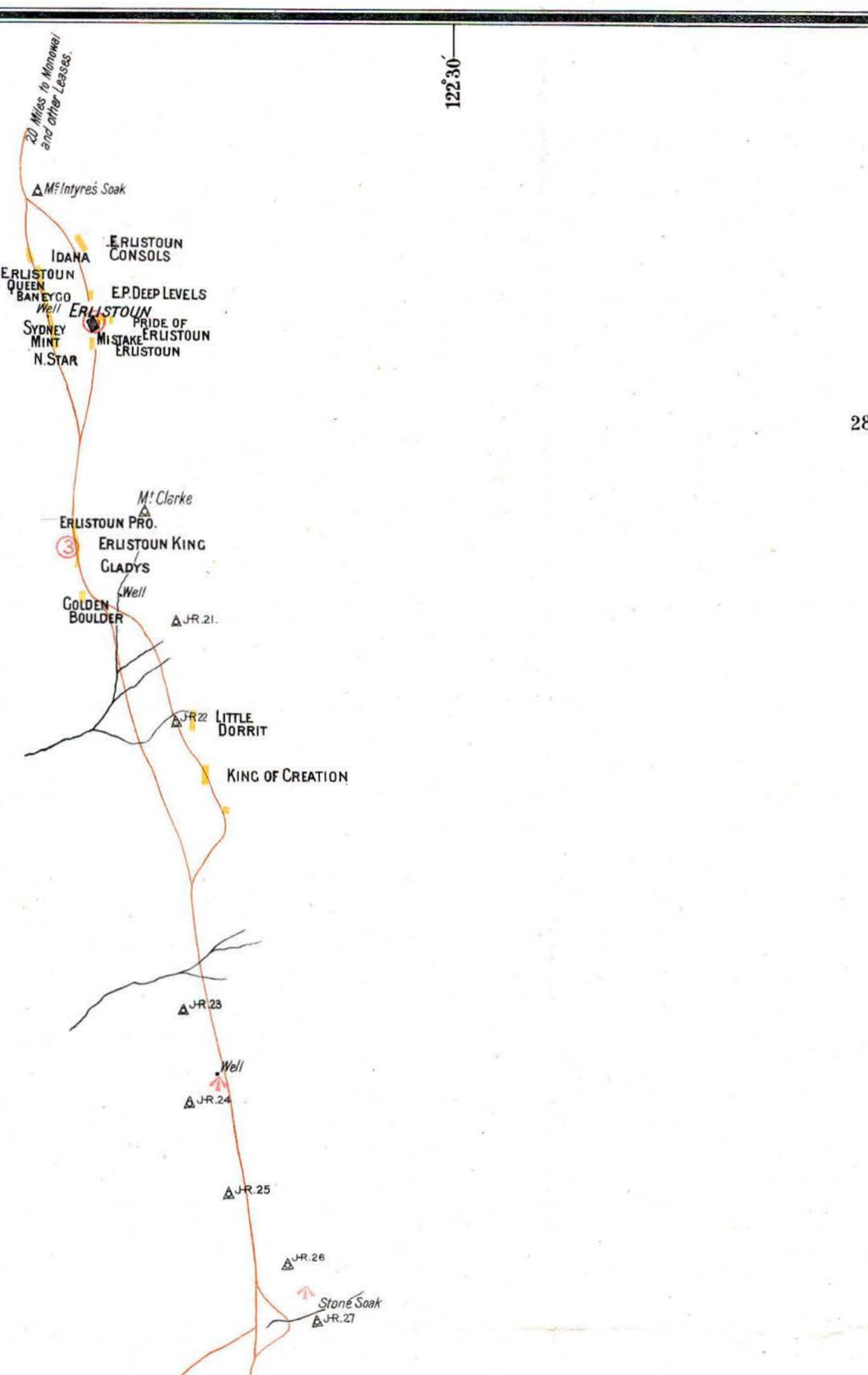
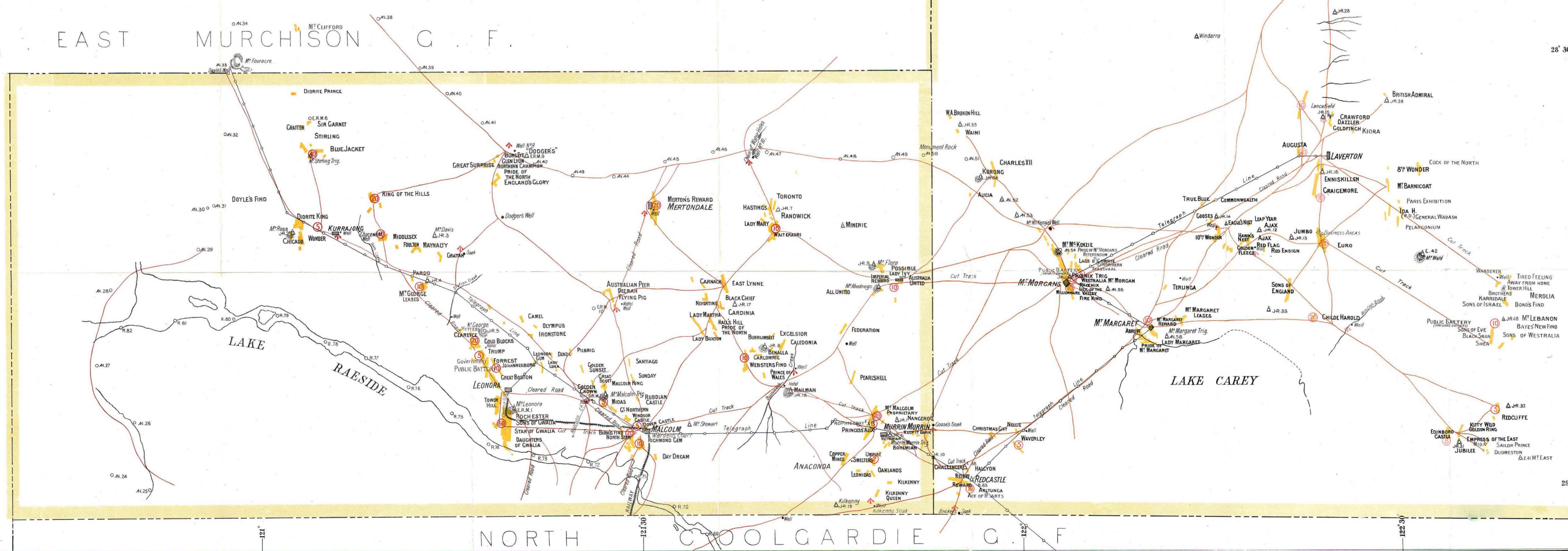


TABLE Ka.

Yield of Minerals other than Gold for year ended 1900, as compared with 1899.

District.	Description of Mineral.	1899.		1900.	
		Quantity.	Value.	Quantity.	Value.
Mt. Malcolm	Copper ore	tons. 273·00	£ 4,338	tons. 4,539·00	£ 30,718

TABLE L.

	Mt. Malcolm District.		Mt. Margaret District.		Total in existence on 31-12-1900.
	1899.	1900.	1899.	1900.	
Number of Publicans' General Licenses in existence	11	16	3	8	24
Number of Wayside House Licenses in existence	4	3	1	2	5
Number of Eating and Boarding-house Licenses in existence	5	1	4	1	2
Number of Spirit Merchants' Licenses in existence	7	5	4	8	13
Number of Billiard Table Licenses in existence	5	6	2	4	10
Number of Gallon Licenses in existence	3	2	2	4	6
Number of Auctioneers' Licenses in existence	1	5	2	2	7
Warden's Court Cases (Plaints) heard during 1900	69	34	54	49	...
Warden's Court Cases (Exemptions) heard during 1900	114	94	41	38	...
Local Court Cases heard during 1900—					
Malcolm	141				
Leonora	2	68	143	...	...
Mt. Morgans	14				
Laverton	35	...	...	1	49
Police Court Cases heard during 1900—					
Malcolm	57				
Leonora	101	127	158	...	...
Mt. Morgans	112				
Laverton	14	...	...	61	126

TABLE M.

	1899.	1900.
Births	21	30
Marriages	6	39
Deaths	24	17

*Warden's Report on the Murchison Goldfield for the year 1900.**The Under Secretary for Mines, Perth.*

SIR,

I have the honour to hand you, for the information of the Hon. the Minister for Mines, my Annual Report on the Murchison Goldfield for the year 1900.

The tables attached hereto, showing the business transacted, I am pleased to say, disclose a most satisfactory state of affairs. There have been good increases in nearly every direction. Though the number of gold mining leases in force at the end of 1900 was 13 less than in 1899, the acreage under lease had increased by 84 acres. The area applied for in 1900 was greater by 353 acres than in 1899, while the number of leases abandoned, surrendered, or forfeited was less by 40 than in 1899.

The Mining Revenue collected on the field in 1900 exceeded that of 1899 by £1,822.

The gold yield for 1900 was 105,722ozs., an increase of 25,173ozs. over 1899. To obtain this yield of gold the average number of miners employed, including diggers, was 1,629. This gives the satisfactory average of over 64ozs. per miner employed. The number of tons crushed in 1900 was 96,791, or more than 30,000 tons in excess of 1899. The average return from the whole field was 1.05ozs. per ton.

It is not necessary to quote further from the attached tables of statistics, which in all cases speak for themselves. I will therefore proceed with some general remarks on the field as a whole.

The most important feature connected with mining during the year has been the satisfactory developments which have taken place at depth in the Great Fingall Consolidated Company's mine at Day Dawn.

I attach hereto a table marked L, showing the tons crushed and yield of gold from this mine for the year. The returns from the Long Reef, at Lennonville, are also shown on the same table. The Long Reef has been the largest gold-producing mine on the field during the year, but it must be borne in mind that the Great Fingall only commenced crushing in October last; since when, each month's returns show an average of over 1½ozs. per ton. Each of these mines are well equipped with a twenty (20) head mill, and the Great Fingall is now making preparations for the erection of a further 10-head. A Cyanide plant is also erected on each mine.

The necessity for deeper sinking appears to be impressing itself more than ever on the mining community. It is only recently that a syndicate has been formed in Cue with the object of putting down a shaft to some 300 feet on a lease known as the "Countess," which is situated about three-quarters of a mile North-East of Cue; for this purpose a large sum of money has been raised among the townspeople, and it is intended to prospect for a reef which has been worked at shallower depths with satisfactory results. It is to be hoped that those who have put their money into the venture will be rewarded with the success they so well deserve. There have been several new finds on the field during the year, viz., at Carwell in the Nannine district, and at Reedy's and Weld Range in the Cue District; surface indications have in each case been very satisfactory, but until some of the reefs are proved at a depth it is impossible for me to advance an opinion as to their future prospects.

In conclusion, I would like to draw attention to my predecessor, Mr. Dowley's concluding remarks in his Report on this field for 1899, and I am pleased to be able to say they have been more than borne out by the results achieved. I have every confidence that the field has seen its worst days of depression, and is now gradually but surely regaining the confidence of investors. The developments at depth, in the few instances where deeper mining has been carried on, have in all cases proved highly gratifying to the shareholders who entrusted their money in the ventures.

I have, etc.,

A. HICKS,

Warden, Murchison Goldfield

Warden's Office, Cue, 21st February, 1901.

TABLE A.

Applications for Leases, etc., under the Goldfields Act.

	Year 1899.	Year 1900.
Number of Gold Mining Leases applied for	173	178
Area of Gold Mining Leases applied for, in acres	1602	1955
Number of Gold Mining Leases abandoned, surrendered, or forfeited ...	180	140
Number of Gold Mining Leases refused	5	6
Number of Gold Mining Leases in force	351	338
Area of Gold Mining Leases in force, in acres	3445	3529
Number of Water Rights in force	69	77
Area of Water Rights in force, in acres	164	186
Number of Quartz Claims in force	135	144
Number of Alluvial Claims in force	5	7
Number of Protection Areas in force	103	150
Number of Residence Areas in force	131	143
Number of Business Areas in force	88	96
Number of Machine Areas in force	11	8
Number of Tailings Areas in force	14	13
Number of Garden Areas in force	22	20
Number of Miners' Rights issued during	1019	808
Number of Business Licenses issued during	72	47

TABLE B.

Applications for Leases, etc., under the Mineral Lands Act.

	Year 1899.	Year 1900.
Number of Mineral Leases applied for ... ..	...	3
Area of Mineral Leases applied for, in acres ... ..	...	15
Number of Mineral Leases abandoned, surrendered or forfeited	1	<i>Nil</i>
Number of Mineral Leases refused	1	<i>Nil</i>
Number of Mineral Leases in force	1	4
Area of Mineral Leases in force, in acres	5	20
Number of Water Rights in force ... ..	...	...
Area of Water Rights in force, in acres ... ..	...	...
Number of Lode Claims in force ... ..	...	...
Number of Alluvial Claims in force ... ..	...	...
Number of Protection Areas in force ... ..	...	...
Number of Residence Areas in force... ..	...	...
Number of Business Areas in force ... ..	...	...
Number of Machine Areas in force ... ..	...	...
Number of Tailings Areas in force ... ..	...	...
Number of Garden Areas in force ... ..	...	...
Number of Mining Licenses issued during	9	13
Number of Quarry Licenses issued during	12	14
Number of Business Licenses issued during ... ..	...	...

TABLE C.

Table showing Number, Description and Area of Mineral Leases in force.

Description of Minerals.	District.	Number of Leases.		Area in Acres.	
		1899.	1900.	1899.	1900.
Earth for bricks	Mt. Magnet	1	1	5	5
Copper	Day Dawn ... ..	...	2	...	10
Various Minerals ... ..	... ..	...	1	...	5
Total ... ..	... ..	1	4	5	20

TABLE D.

**List of Ore-reduction Plants.*

District.	Number of Stamps erected.		Value of Mining Machinery.	
	1899.	1900.	1899.	1900.
Cue	145	† 175	£ 42,715	£ 51,689
Nannine	163	153	72,668	70,740
Day Dawn	95	‡ 70	30,037	49,169
Mt. Magnet	105	§ 115	52,483	73,401
Total	508	513	£197,903	£244,999

* For details, see Mining Statistics. † Also 1 Ball Mill, 1 Huntington. ‡ Also 2 Dry Crushers. § Also 2 Tremain.

TABLE E.

Particulars of Mining Accidents.

	1899.	1900.
Number of Men injured	9	10
Number of Men killed	3	3

TABLE F.

Showing Population of each District on 31st December, 1900, as compared with 31st December, 1899.

District.	Males.		Females.		Total.		Increase.	Decrease.
	1899.	1900.	1899.	1900.	1899.	1900.		
Cue	900	820	342	330	1,242	1,150	...	92
Nannine	895	935	110	155	1,005	1,090	85	...
Day Dawn	480	510	156	164	636	674	38	...
Mt. Magnet	898	868	290	287	1,188	1,155	...	33
Total	3,173	3,133	898	936	4,071	4,069	123	125

TABLE G.

Mining Revenue, 1899-1900.

	District.	Year 1899.		Year 1900.	
		£	s. d.	£	s. d.
Lease Rental under Goldfields Act	Murchison ...	3,556	13 0	3,736	2 0
Other sources under Goldfields Act	Do. ...	1,443	12 6	1,269	16 3
Lease Rental under Mineral Lands Act	Do. ...	1	6 0	2	16 3
Other sources under Mineral Lands Act	Do. ...	5	3 0	11	17 0
Survey Fees (Leases, Areas, etc.)	Do. ...	1,035	10 0	1,275	8 6
Fees (examination of Engine-drivers)	Do. ...	79	10 0	173	7 6
Exemption Fees	Do. ...	716	8 0	610	12 0
Receipts from Public Batteries	Do. ...	1,760	12 3	3,343	18 1
Fees under Boiler Inspection Act	Do. ...	180	0 0	180	10 0
Receipts from all other sources	Do. ...	9	18 3	6	17 9
Total Mining Revenue ... ..	...	£8,788	13 0	£10,611	5 4

TABLE H.

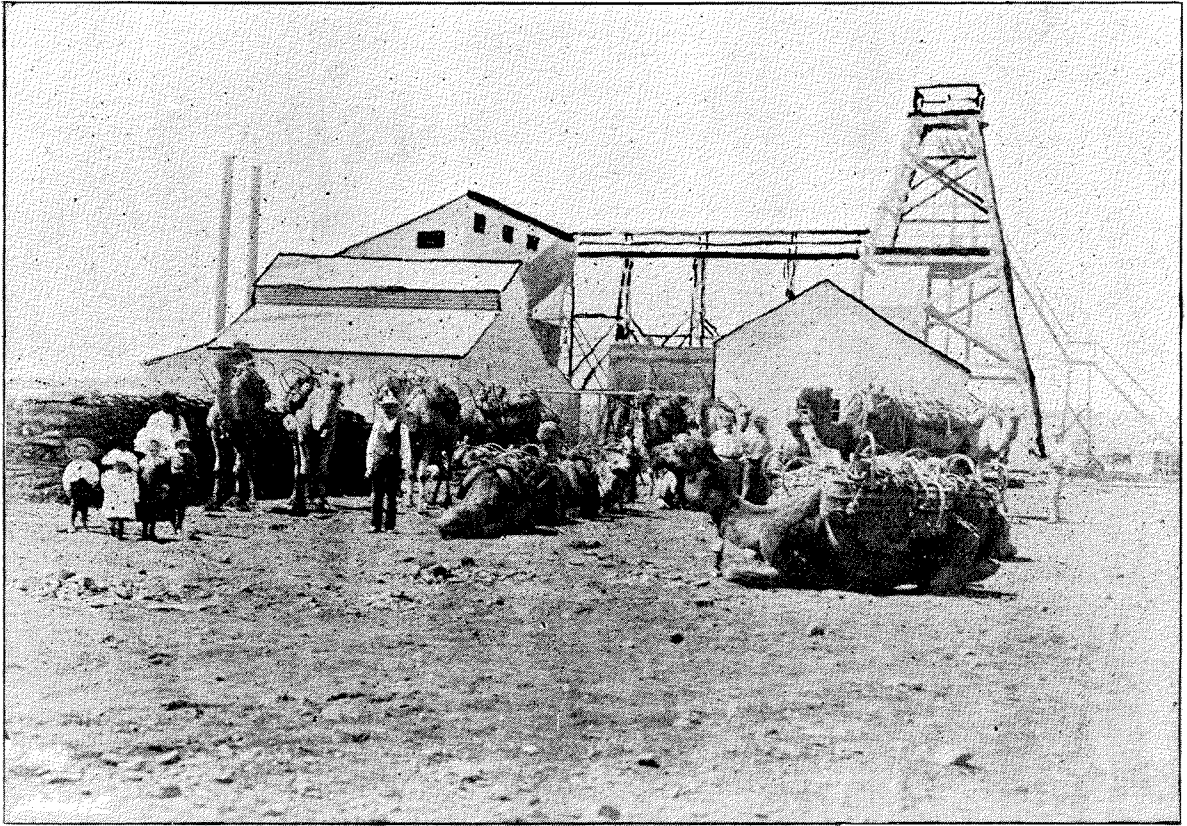
Average Number of Miners employed.

District.	Reef or Lode.		Alluvial.		Total.	
	1899.	1900.	1899.	1900.	1899.	1900.
Cue	247	283	12	92	259	375
Nannine	409	388	33	51	442	439
Day Dawn	175	243	30	33	205	276
Mt. Magnet	561	527	16	12	577	539
Total	1,392	1,441	91	188	1,483	1,629

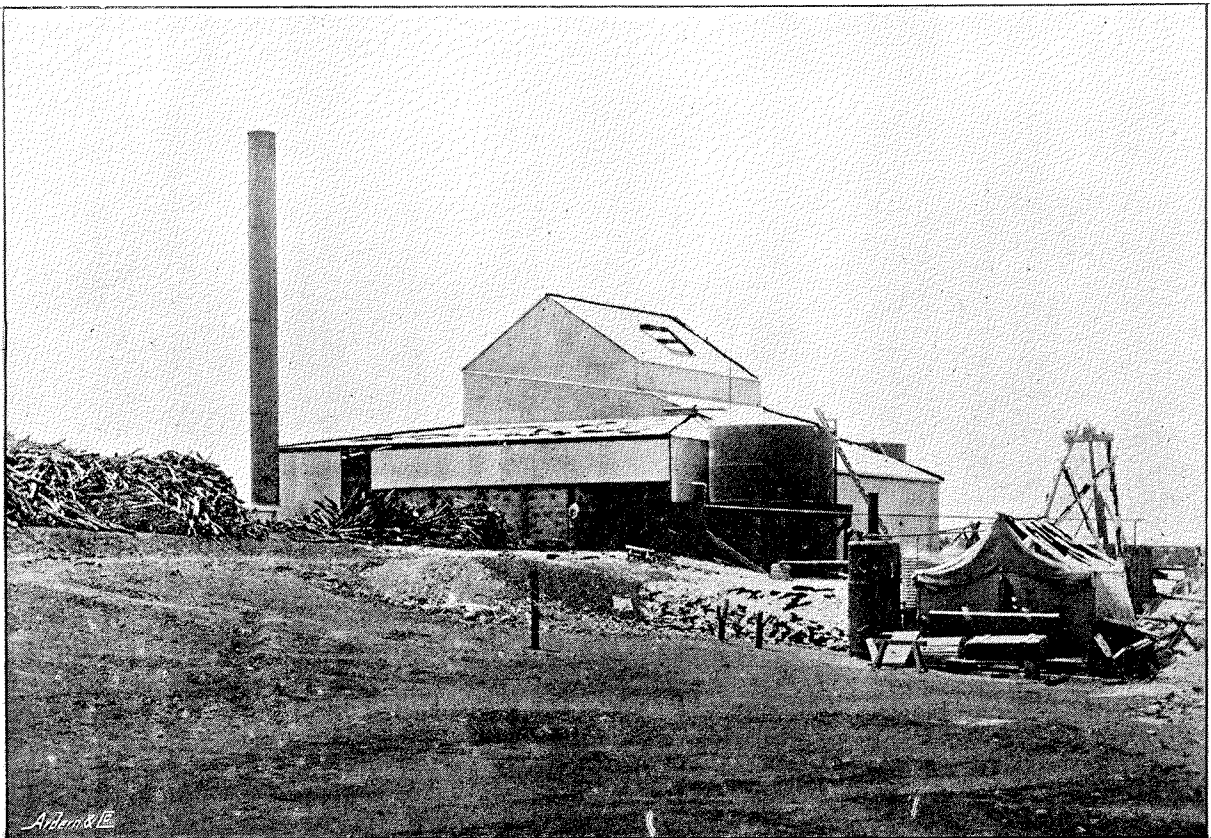
TABLE I.

Water Supply during Year 1900.

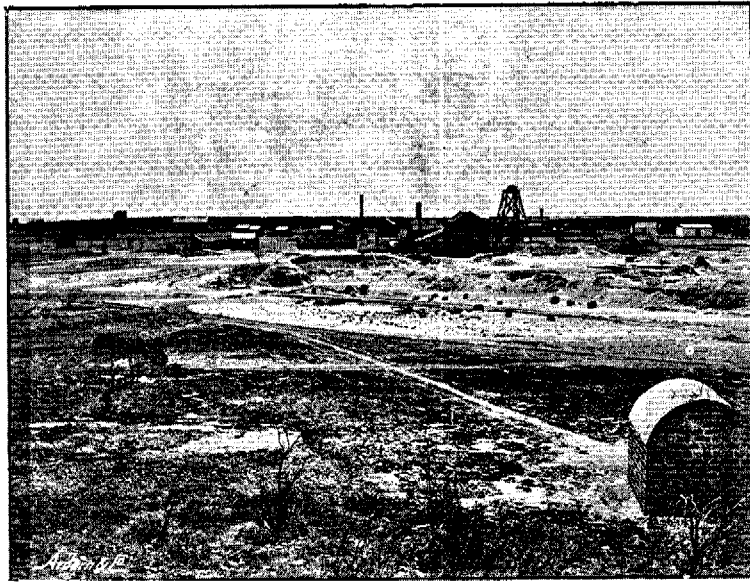
District.	Average depth at which Salt Water is struck.	Average depth at which Fresh or Stock Water is struck.	Government Tanks, Number and Contents.	Rainfall for Year 1900.
Cue	10 to 100 feet	10 to 100 feet	None	inches. 19.75
Nannine	10 to 100 feet	10 to 100 feet	None	12.75
Day Dawn	10 to 100 feet	10 to 100 feet	None	16.50
Mt. Magnet	10 to 100 feet	10 to 100 feet	None	13.75



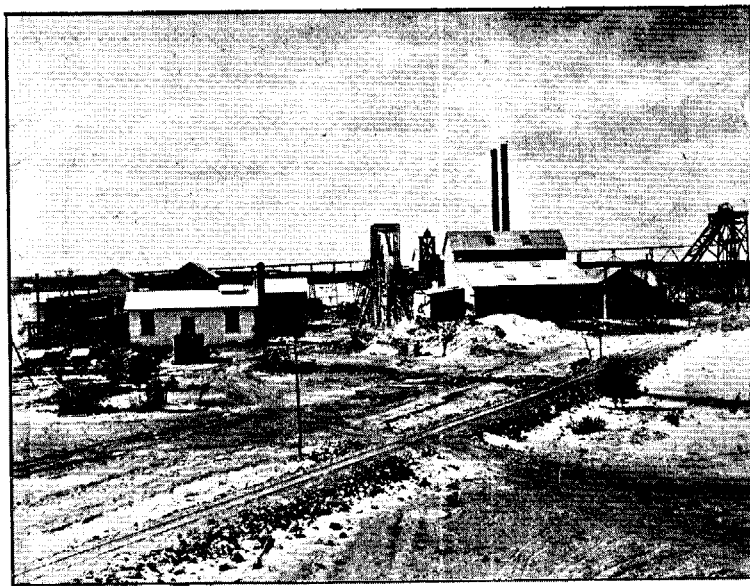
Champion Extended Battery.
Cue, Murchison G.F.



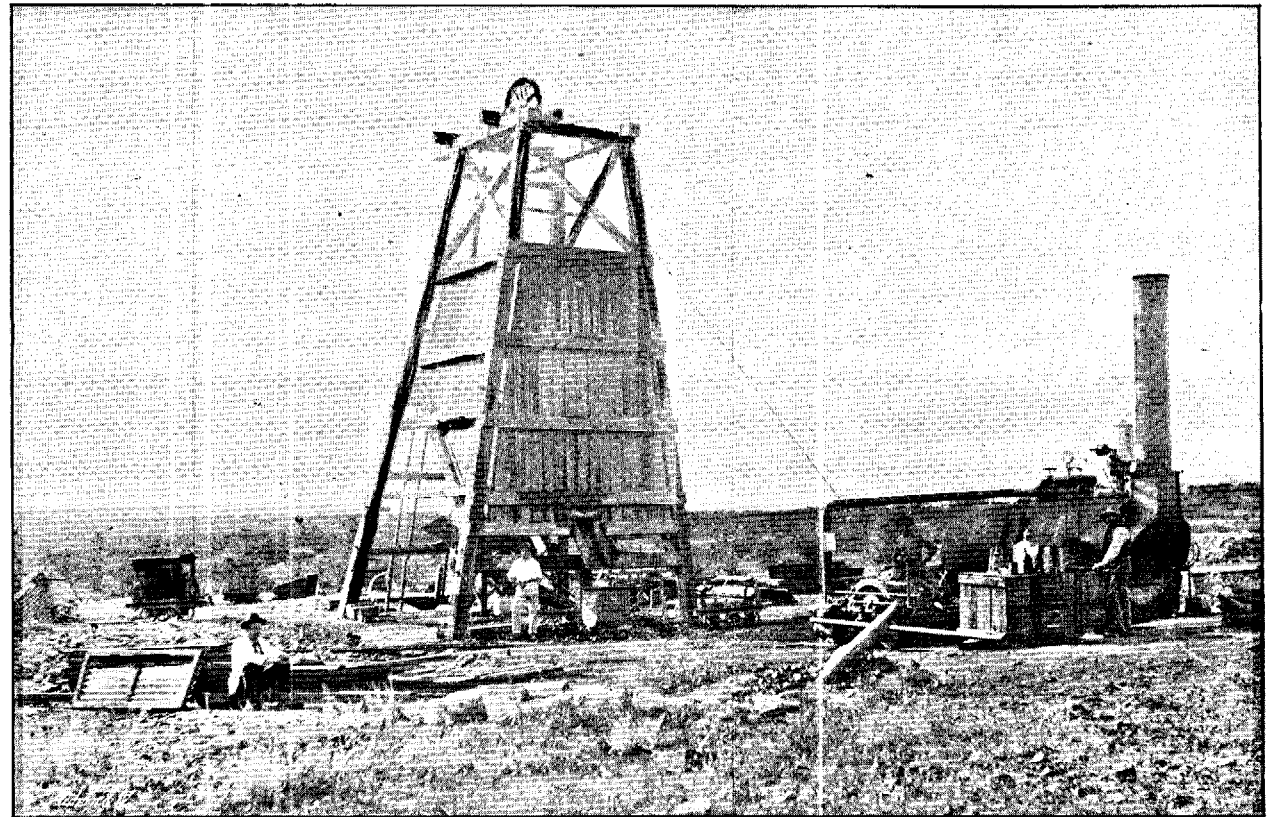
Lennonville Public Battery.
Murchison G.F.



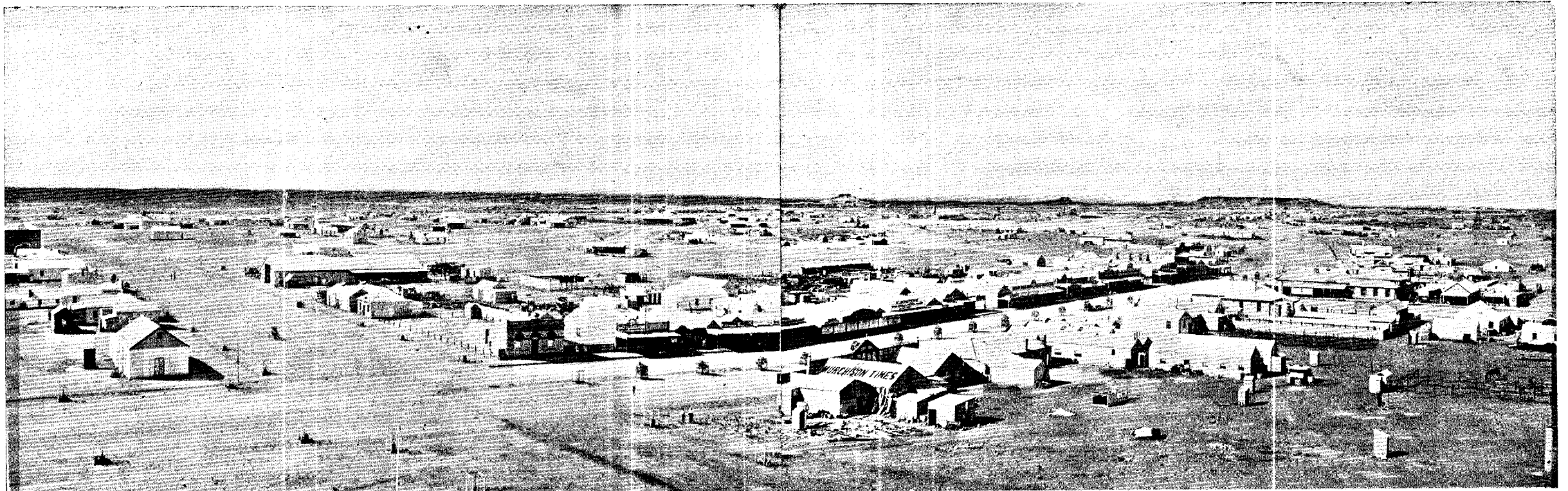
Morning Star, Mount Magnet.
Murchison G.F.



Wheel of Fortune (Long Reef G. M. Co.)
Lennonville, Murchison G.F.



Main Shaft, Rubicon Leases.
Murchison Associated (G. M., Co. Ltd.
Day Dawn, Murchison G.F.

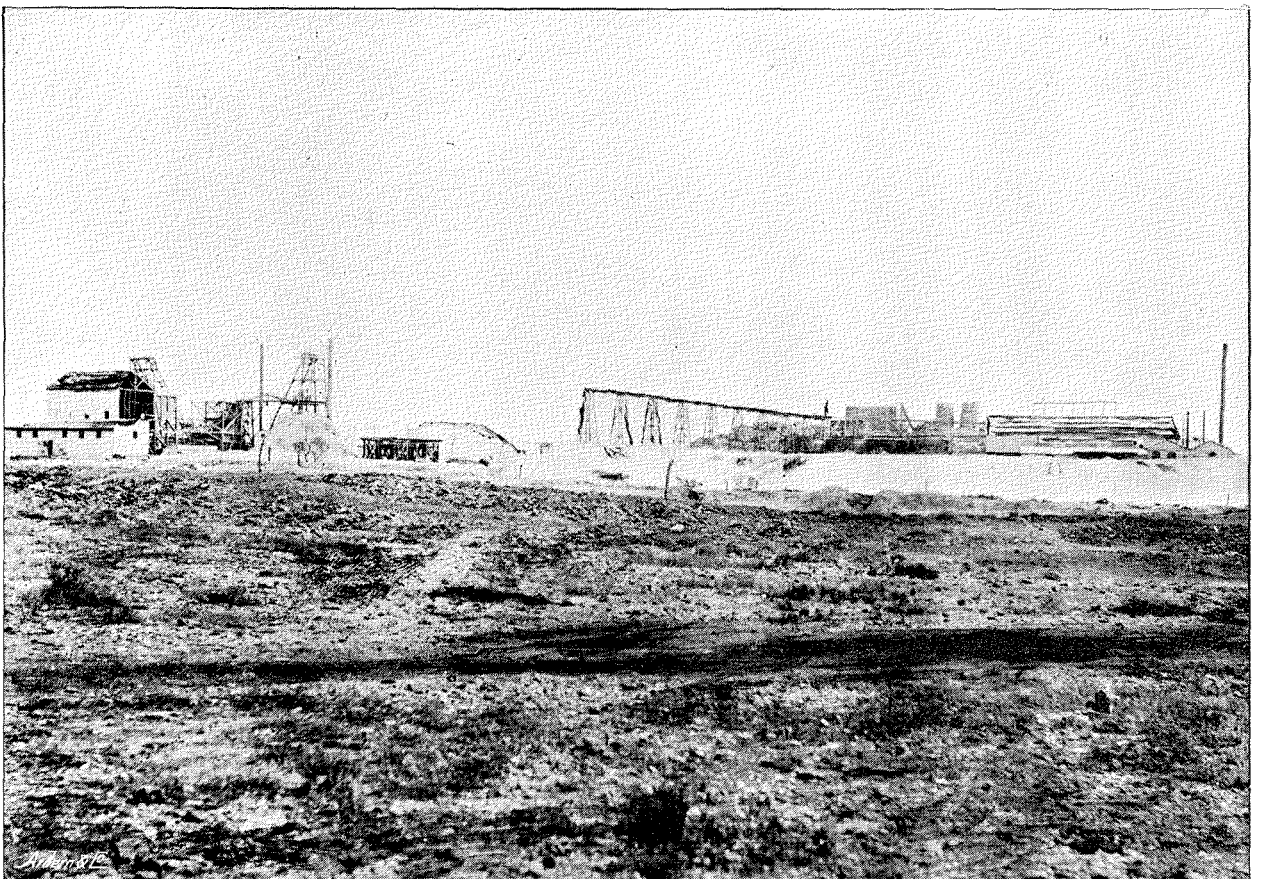


Cue, Murchison Goldfield, 1900.



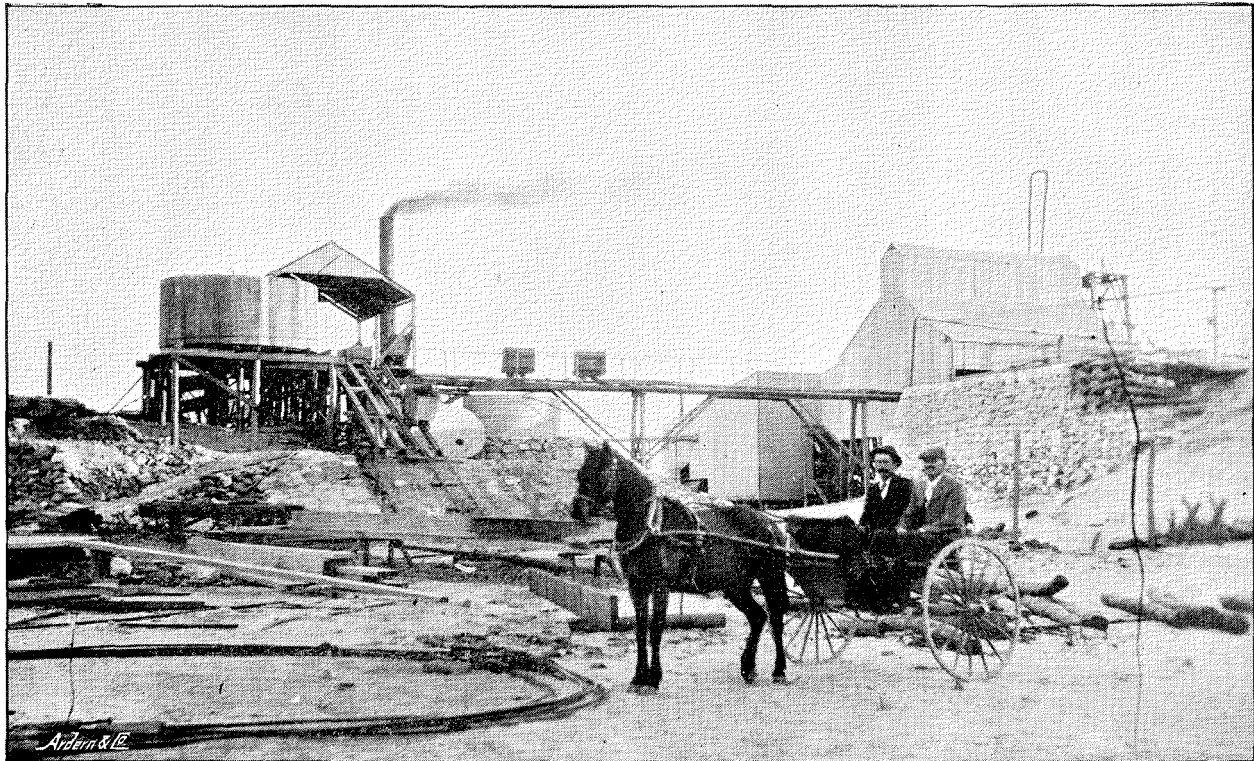
Great Fingall North G. M. Co.

Day Dawn, Murchison G.F.

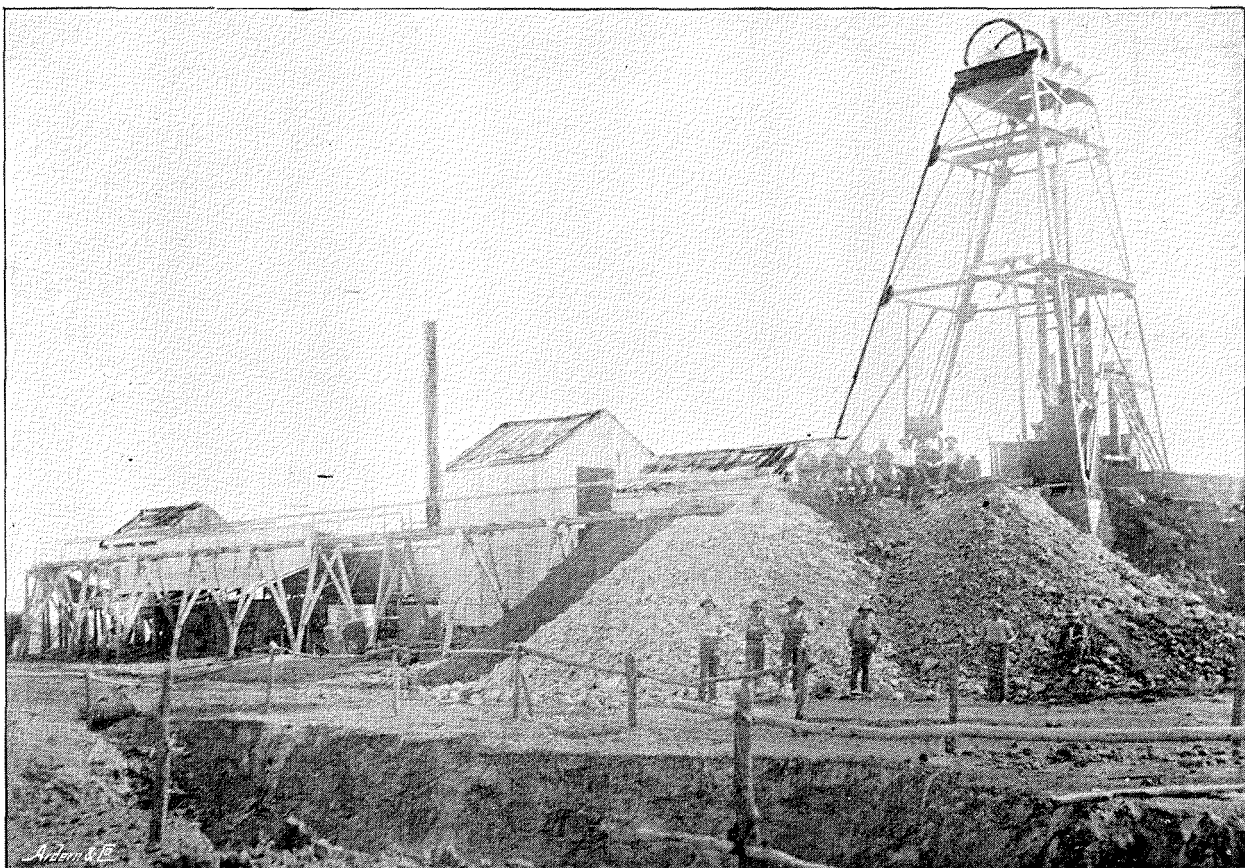


Great Fingall Consolidated Mine.

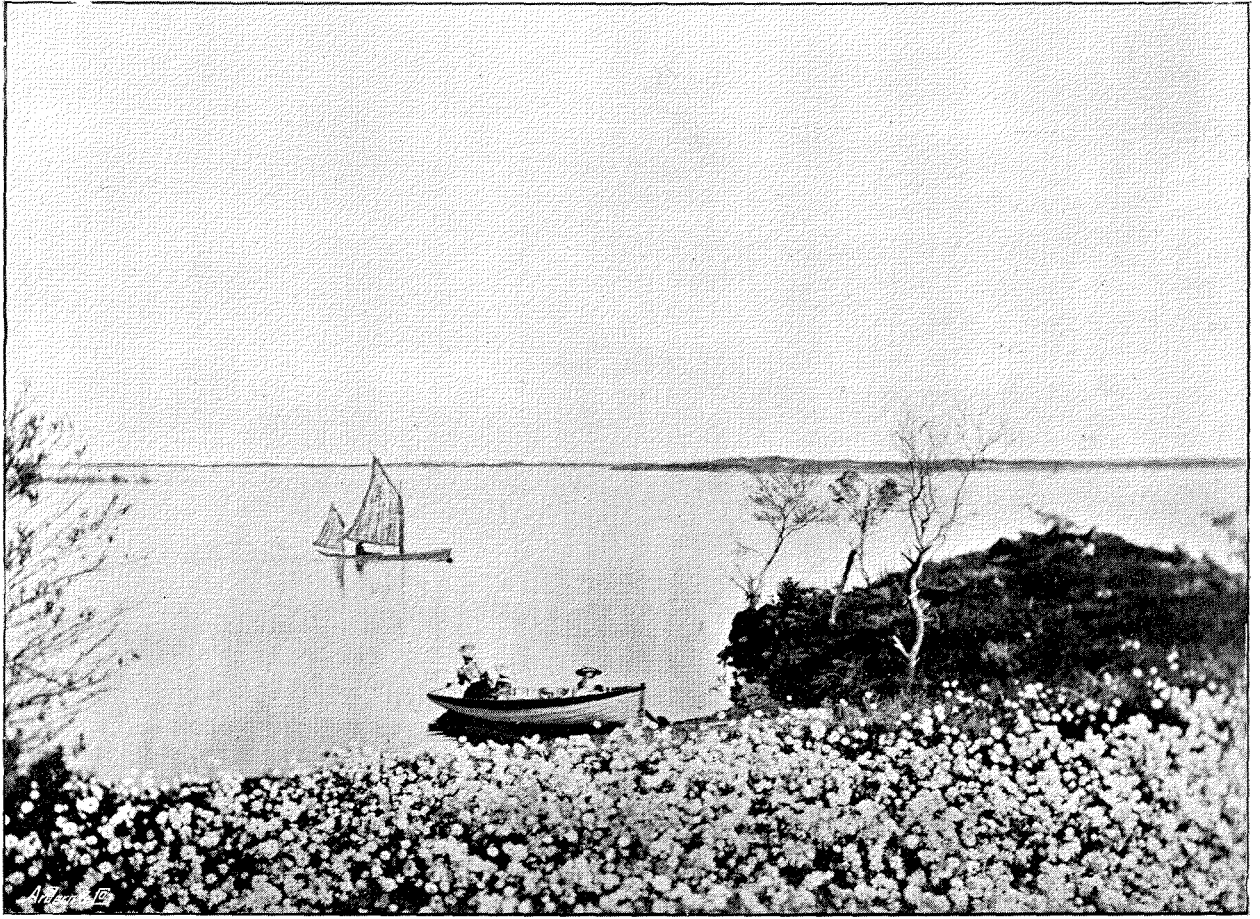
Day Dawn, Murchison G.F.



Cue Victory G. M. Ltd.
Murchison G.F.

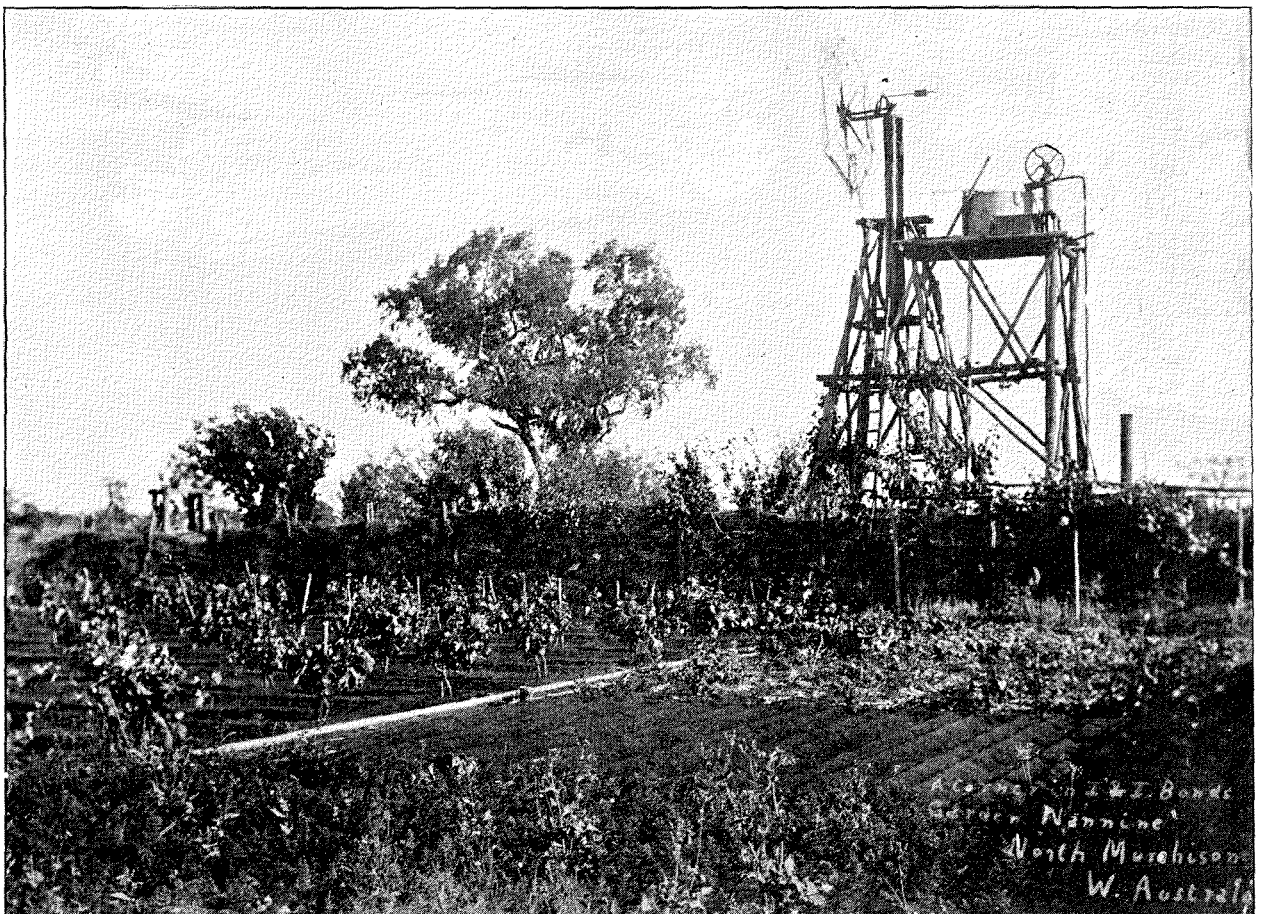


Cuddingwarra G. Ms. Ltd.
Murchison G.F.



Nannine Lake, 1900.

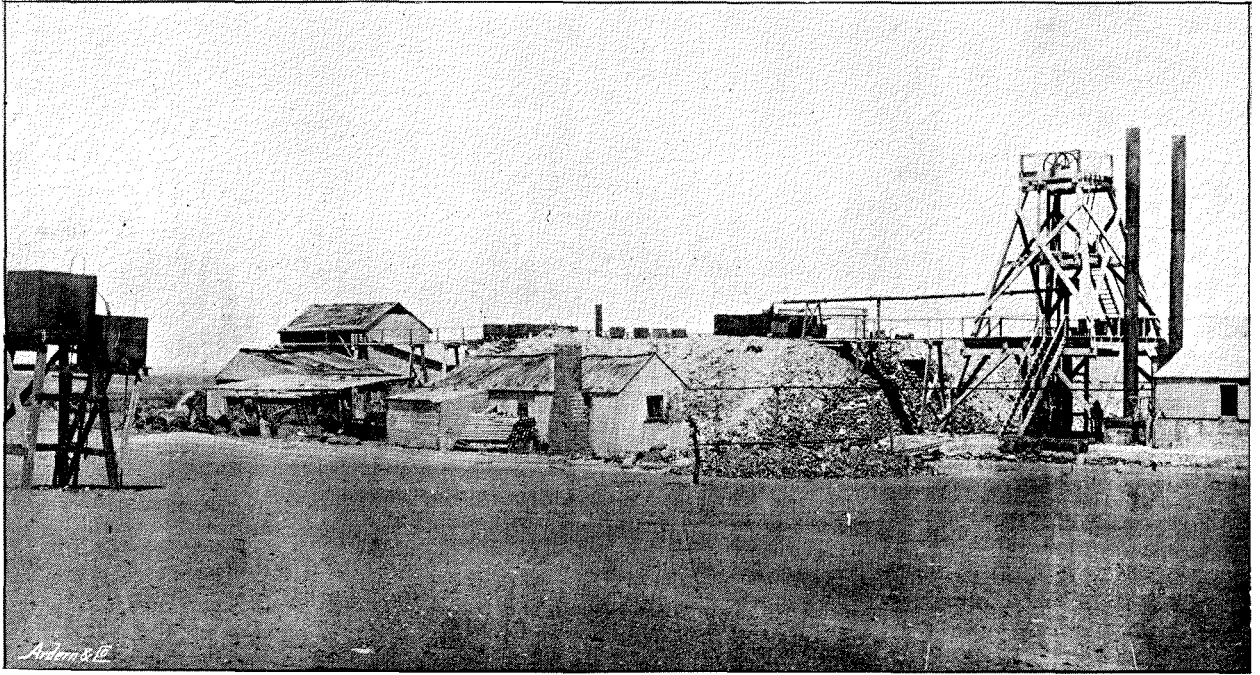
Murchison G.F.



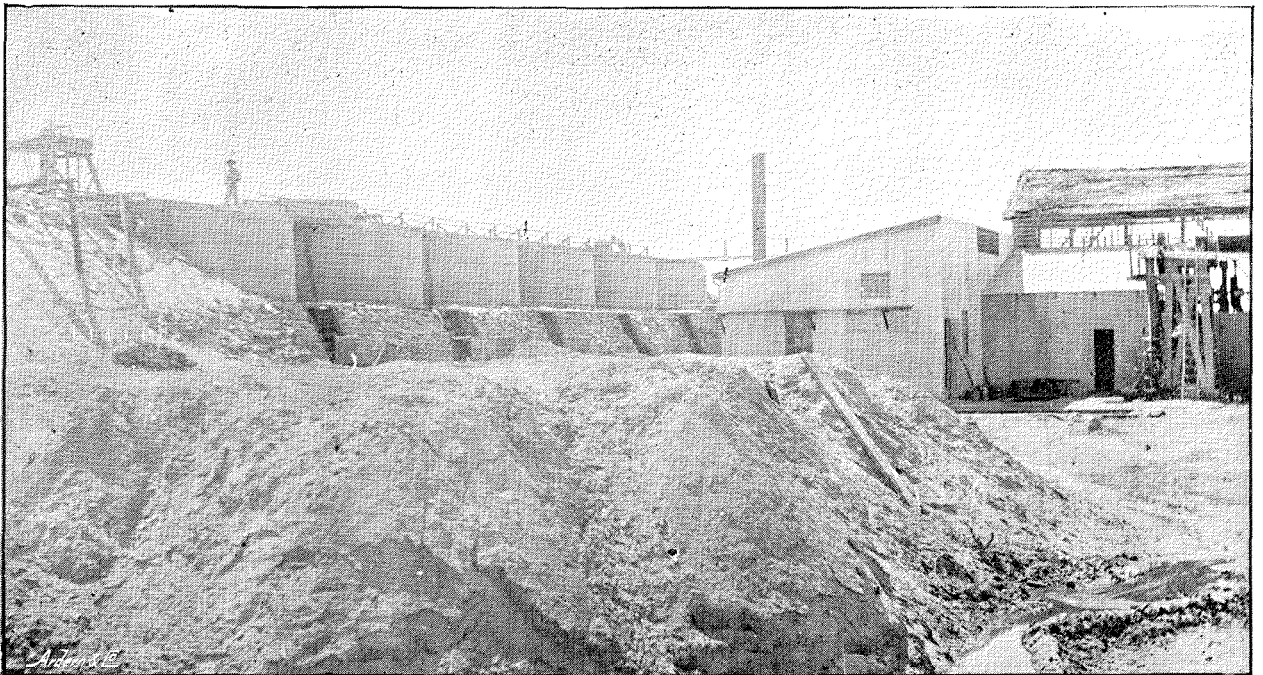
Part of Bond's Garden.

Nannine, Murchison G.F.

Corner of J. & J. Bonds
Garden Nannine
North Murchison
W. Australia



Chums Consols, Mt. Magnet.
Murchison G.F.



New Chum, Mount Magnet.
Murchison G.F.

TABLE J.
Ruling Rates of Wages during 1900.

	per week,	£	s.	d.
Miners above ground	per week,	3	5	0
Miners below ground (dry)	"	3	15	0
Miners, wet ground	"	4	0	0
Engine-drivers	"	4	0	0
Mechanics	"	4	0	0
Carpenters	"	4	0	0
Labourers	"	3	0	0

TABLE K.
* Yield of Gold for Year ended 1900.

District.	Alluvial.	Dolled and Specimens.	Tons Crushed.	Return in ozs.	Total, 1899.	Yield, 1900.	Average.	
							1899.	1900.
	ozs.	ozs.			ozs.	ozs.	ozs.	ozs.
Cue	158·85	178·45	17,461·00	19,811·51	20,696·00	20,148·81	1·20	1·13
Nannine	350·00	2,471·44	30,335·28	27,335·83	23,016·54	30,157·27	1·36	·90
Day Dawn	4·00	138·58	8,101·00	14,504·28	12,999·41	14,646·86	2·00	1·79
Mt. Magnet ... ..	...	484·82	40,893·75	40,284·55	23,836·76	40,769·37	·83	·98
Total	512·85	3,273·29	96,791·03	101,936·17	80,548·71	105,722·31	1·16	1·05

* For details, see Mining Statistics.

TABLE L.
Showing Yield of Gold from Two Leading Gold-producing Mines on the Murchison Goldfield.

	Tons Crushed.	Total Gold.	
Long Reef G.Ms., Ltd.	18,628·00	13,814·37	Situated at Lennonville Do. Day Dawn
Great Fingall Consolidated, Ltd.	4,447·00	8,525·95	

Of the above totals, 116·90ozs. were obtained by cyaniding by Long Reef Co., and 1,785·60ozs. by the Great Fingall Company by cyaniding.

TABLE M.
Applications for Leases, etc., under the Sluicing and Dredging for Gold Act.

	Year 1899.	Year 1900.
Number of Leases applied for	2	2
Area of Leases applied for, in acres	1,280	1,640
Number of Leases abandoned, surrendered, or forfeited ... ..	...	...
Number of Leases refused ... ..	...	...
Number of Leases in force	2	4
Area of Leases in force, in acres	1,280	2,920
Number of Water Rights in force ... ..	...	...
Area of Water Rights in force, in acres ... ..	...	...

Warden's Report on the North Coolgardie Goldfield for the year 1900.

To the Under Secretary for Mines, Perth.

SIR,

I have the honour to submit my Annual Report on the North Coolgardie Goldfield for the year ending 31st of December, 1900, for the information of the Hon. the Minister of Mines.

All comparisons, unless otherwise stated, are made with the previous year, 1899.

1. The area of the field remains the same, but the business of the Yerilla district is now carried on at Niagara, as from the commencement of the year now under review, for better facilities of administration.

It was found necessary to do this on account of the low grade nature of the mines driving the prospectors from Yerilla, consequently no courts have been held there since 1899.

It will be noticed that the distances from Menzies of the various mining centres and towns are in most instances somewhat shorter, owing to the discovery of short cuts.

Their approximate positions, distances, and areas being given below:—

District.	Area. Square miles.	Mining Centre.	Approximate position and distance by road from Menzies.
(1) MENZIES ...	3,268	Menzies Woolgar Comet Vale Goongarrie Kensington	4 Miles South 18 Miles South 27 Miles South 4 Miles East
(2) ULARRING ...	12,256	Mulline Mulwarrie Davyhurst Speakmans Mt. Ida	32 Miles West 45 Miles S.W. 57 Miles S.W. 55 Miles S.S.W. 67 Miles N.W.
(3) NIAGARA	779	Kookynie Tampa Armidale Niagara	39 Miles N.E. 47 Miles N.E. 48 Miles N.N.E. 33 Miles N.E.
(4) YERILLA	14,306	Yerilla Mt. Catherine Linden Eucalyptus Pendinnie Pyke's Hollow The Granites Mt. Remarkable Edjudina	60 Miles E.S.E. 64 Miles E.S.E. 112 Miles N.W. 81 Miles N.E. 74 Miles N.E. 89 Miles N.E. 77 Miles N.E. 55 Miles E.N.E. 107 Miles East
Total Area ...	30,609 square miles.		

2. The Menzies and Ularring Districts are worked from the Menzies Office as heretofore, the only outside office being at Niagara, where a Mining Registrar is stationed.

WARDEN'S HEAD OFFICES, AND DATES AND PLACES FOR HOLDING COURTS.

3. The Head Offices for this Field still remain at Menzies, where the bulk of the business is transacted. Warden's Courts sit at Menzies on the following days, being the same as last year, and still continue in force, viz:—

Monday, 12 noon: Applications for Water Rights, Business and Residence Areas, Quartz Claims, Prospecting Areas, etc., are heard.

Tuesday, 11 a.m.: Lease forfeitures and all contentious work.

Wednesday, Thursday, and Friday, 11 a.m.: Exemption applications.

These dates have been adhered to throughout the year, except when they clash with following courts, when Warden's Court does not sit.

Local Courts are held at 11 a.m. on the third Wednesday in each month.

Revision Courts have been altered to one a year, which is held on the third Tuesday in May.

4. Local Courts sat at Niagara throughout the year on the fourth Tuesday in every month, and Warden's Courts on the same day, alternate months.

APPLICATIONS FOR LEASES UNDER GOLDFIELDS ACT.

5. Table "A" shows a marked improvement in mining all round, the increases being 72 Gold Mining Leases, equalling 953 acres, and after deducting those surrendered and otherwise voided, it still leaves 50 of these holdings, or 538 acres more, in force.

6. Protections, tailings, and garden areas have slightly increased, while 51 more miners' rights and 11 more business licenses have been issued.

7. Another healthy sign is the decrease by 31 of leases abandoned, surrendered, or forfeited, and two refusals.

8. It is satisfactory to note that the other decreases are of a trivial nature, notably the business areas, which latter is accounted for by the gazetting of Kookynie as a township, thereby bringing most of these areas under the heading of town allotments, and, consequently, transferring them from the Mines to the Lands Department.

9. Subterranean water right areas have considerably decreased (953 acres), but the reason for this is in a great measure on account of the exceptional rainfall for the year filling up lakes, clay pans, and other surface reservoirs.

10. The Ularring District still continues to prosper, especially Mt. Higgins, now called Mulwarrie, and Davyhurst, which is a new centre lately come into prominence, and is situated about seven miles South-East of Mulwarrie.

11. Niagara District, with which the Yerilla district is now worked, has made rapid strides also, more particularly in and around Kookynie, where the Cosmopolitan and Champion lines of reef still continue to open up well.

12. The Yerilla Public Battery has been removed to within two miles of Niagara, and this is expected to give the place a fillip.

APPLICATIONS FOR LEASES, ETC., UNDER MINERAL LANDS ACT.

13. Table "B" shows an increase in area in Mineral Leases other than Gold Mining Leases applied for; but these are still in the prospecting stage, and developments, so far, have not justified the erection of Reduction Plants; although it is encouraging to note the original holders still stick to their "shows," indicating a faith in their eventually proving payable.

DESCRIPTION AND AREA OF MINERAL LEASES IN FORCE ON 31ST DECEMBER, 1900.

14. In Table "C" will be found the Mineral Leases in force up to the end of 1900. Mineral Leases have increased by 80 acres.

ORE-REDUCTION PLANTS.

15. Table "D" indicates a reduction of 38 stamps at work, which may be accounted for by the closing down of some of the mines at Goongarrie, Comet Vale, Menzies, and Yerilla.

16. The alteration in each District is as follows:—

Menzies.—The following batteries have been removed:—Mimosa G.M., 5-head; Caledonia, 10-head, at Goongarrie; Lady Margaret, 10-head, at Comet Vale; The Gold Estates, 10-head, at Menzies; making a decrease for the district of *35 stamps.

Ularring.—Remains the same.

Niagara.—This district shows an increase of 10 stamps, the Government Battery from Yerilla having been removed to this centre.

Yerilla.—In this district the Mt. Catherine 10-head, and the Government Battery 10-head, have been removed, but the Potosi, at Yundamindera, has the Mt. Margaret Reward Battery of 10-head erected on it; thus making a total decrease of 10 head for the district.

MINING ACCIDENTS.

17. Table "E" shows an increase of two casualties over 1899, and, I am sorry to say, in the 14 accidents which have occurred, eight men have been killed, and ten injured.

POPULATION AND NUMBER OF TOWNS.

18. Table "F" gives the population at 5,010 souls, or an increase of 355, and I am glad to say that this increase is noticeable in every district throughout the field.

19. There are now eleven townships within the field, and soon two more will be added, viz., Davyhurst, seven miles South-East of Mulwarrie; and Yundamindera (late The Granites), Mulwarrie, until lately known as Mt. Higgins is the new township.

20. The following is a complete list with their approximate positions:

Menzies.—100 miles North of Coolgardie.

Goongarrie.—27 miles South of Menzies.

Mulline.—32 miles West of Menzies.

Mulwarrie.—14 miles South of Mulline.

Callion (Speakman's).—23 miles South of Mulline.

Ida.—67 miles North-West of Menzies.

Niagara.—33 miles North-East of Menzies.

Tampa.—12 miles North of Niagara.

Linden.—112 miles North-East of Menzies.

Yerilla.—59 miles North-East of Menzies, though I fear this can scarcely be called a township now, as there are only some four or five people left in the place.

* A 3-head prospecting mill on Lady Shenton leases was returned in 1899 as a 3-stamp battery.

MINING REVENUE.

21. Table "G" is, perhaps, the best indication of the advancement of this field during the year, showing, as it does, an increase of £5,913 11s., or £665 4s. 4d. more than the increase during the year 1899. A perusal of this table shows decreases in three sources of revenue only, all the others showing substantial increases.

22. I am glad to say one of the sources of decrease is in Exemption Fees, which goes to show that more solid mining is being done, and less speculative business. There was also a considerable falling off in these fees during 1899, and this occurring again this year, only confirms the opinion previously expressed, both in this and my last year's Report.

AVERAGE NUMBER OF MINERS EMPLOYED.

23. Table "H."—It is difficult to accurately find out the number of miners employed, and I am inclined to think that these figures are somewhat under, rather than over, the actual facts, as I feel sure 22 additional miners does not represent the true increase for the year, and this number, in my opinion, is considerably below the mark; however, it all goes to confirm the indications of prosperity as shown in the previous table.

WATER SUPPLY AND RAINFALL.

24. Table "I" shows an altogether unprecedented rainfall of 12·17 inches, and certainly seems to bear out the theory that, as settlement on these dry arid wildernesses advances, the rainfall increases.

25. This is doubtless responsible for several pastoral leases having been applied for during the year, and clay pans have been discovered where none were previously known.

RULING RATE OF WAGES.

26. Table "J" gives the ruling rate of wages, which remains very much the same as last year. It will be noticed, however, that the wages are higher in the Niagara and Yerilla Districts than they are in the Menzies and Ularring.

GOLD YIELD.

27. Table "K" contains particulars of the gold yield, the total being 106,773·97ozs., or a decrease of 10,194·17ozs. This is accounted for in the Menzies and Yerilla Districts by the falling off of the number of stamps, as shown in paragraph 16 of this Report, Niagara showing an increase, and Ularring remaining the same, which will be still further augmented this year.

28. The average per ton of 1·16oz. is very little less, and, considering the large quantity of stone crushed, viz., 90,728 tons, is very good indeed.

NEW FINDS.

29. An alluvial rush took place in August last to Davyhurst, where a "wash" was found on Cairns and Party's lease, and, in a few days, some hundred or more claims were pegged out, and, though true "wash" was met with, nothing of a payable nature was discovered. A peculiar feature of the discovery was its limited extent.

30. Cairns' Lease is situated on a slight ironstone rise, the underlying strata being cement, and, at a depth of 30 feet, "wash" was encountered, which proved only to be in a small basin of limited area, and, though traces of gold were found, it did not contain sufficient of the precious metal to pay for working.

31. A few days after this was found another rush took place at Siberia; but this, too, proved unpayable.

32. New lines of reef have been discovered between the North Pole Group and Mulwarrie, and are opening up well, notably the Waihi, Melrose, and others. This has created the new township of Davyhurst.

33. Nothing is now heard of the Yilgangi and Goongarrie alluvial finds, though, I believe, both places still support a few men.

HEALTH OF DISTRICT, AND VITAL STATISTICS.

34. This field still retains its reputation for healthfulness, the vital statistics being as follows:—Births 76 (15·16), deaths 55 (10·97), and marriages 27 (15·38 per 1,000). Births have increased by 8, deaths decreased by 3, and marriages increased by 2.

PUBLIC FACILITIES AND IMPROVEMENTS.

35. The Government Public Batteries at Mulline and Mt. Ida have crushed regularly throughout the year, with very satisfactory results. The former has treated 6,205 tons for 8,018ozs. 2dwts. 14grs. of gold, and the latter 4,799 tons for 5,109ozs. 15dwts. 3grs., equalling an average per ton of 1·29 and 1·06 respectively.

36. I regret to say the Yerilla Public Battery has had to be removed to a place about two miles North of Niagara. It started work there at the end of November, and worked continuously to the end of the year.

37. Blevin's Find Battery, at Tampa, has been idle most of the year, but the following Companies' batteries have crushed, and still are crushing, for the public, as well as working on their own stone:—

Britannia, 8 miles North of Niagara.

Challenge Mining and Milling Co., at Niagara.

The Menzies Gold Reefs, the Menzies Consolidated, and Lady Shenton Extended, at Menzies.

Speakman's, at Callion.

The Shannon Proprietary, at Eucalyptus.

Murray's Battery, at Linden.

Hicks' Battery, at Goongarrie, has only worked part of the year.

The above, in addition to the Public Batteries, have been the means of keeping the prospectors going.

38. The Menzies-Leonora railway is at last to be started, I understand, at the beginning of the new year. When finished, it will be a great boon to the back country, and will not do Menzies the immense amount of harm which pessimists predict.

39. The Niagara dam (40,000,000gals. capacity) has been more or less full during the whole year, and even the Menzies concrete tank, of 3,000,000gals. capacity, has overflowed more than once. It has been a great benefit to the mines, teamsters, and others, as affording a plentiful supply of fresh water for boilers and watering stock.

40. The catchment area has been fenced, and all offensive matter removed, and the tank cleared out, so this water, after a few more rains, will be fit for drinking.

EDUCATIONAL.

41. The State School still maintains its efficiency, with the result that the attendance has increased considerably, as the following figures show:—The attendance being 104 boys and 97 girls, or a total of 201, being an increase of 3.

42. This facility has now been afforded Woolgar, 4 miles South of Menzies, and is proving a great boon.

43. At Niagara a half-time School was established, and, subsequently, removed to Kookynie, owing to the depopulation of the former place.

STATE OF TRADE.

44. Trade in Menzies has been particularly good throughout the year.

45. Niagara has gradually got worse and worse, owing to the disappointing developments in the Challenge Mine and the prosperity of the adjacent town of Kookynie, which is attracting a good deal of attention. However, now that a strong company has taken over the Challenge, I predict a slight revival at Niagara.

46. Kookynie has progressed considerably, and now contains a population of over 1,000, which would have been still further augmented, had not the Cumberland Mine, which is one of its mainstays, been shut down for the last six months; however, the Cosmopolitan, Champion, and other mines in the immediate vicinity assure the permanency of this District.

47. Mulline continues prosperous, owing to the good results obtained from the Public Battery, to which 10 additional stamps are being added, as well as a Cyanide Plant.

48. Mulwarrie (late Mt. Higgins) is a township which has sprung into existence since I last reported, and bids fair to become a prosperous place.

49. Davyhurst has not yet been gazetted a township, but certainly warrants this distinction, as the mines around there are opening up well, and the settlement is rapidly increasing.

50. Goongarrie has had quite an impetus given to it by the opening up of these two centres, Mulwarrie and Davyhurst, and has become their distributing centre, owing principally to the lethargy of the Menzies people, who, although they have just as short a road, will not exert themselves to cater for this traffic.

51. Linden remains the same as when I last reported.

52. Mt. Ida has only slightly increased, but the public battery has kept the population of the district together, and it is now commencing to increase.

53. Tampa, Callion, and Yerilla have all practically been abandoned; though some few mines are working in and around the two former places, only some four or five prospectors remain at the latter.

54. Yundamindera (late The Granites), has more than exceeded the most sanguine expectations. Already it can boast of post and telegraph offices, a ten-head battery on the Potosi, and a line of reefs which have been traced for about four miles.

PRINCIPAL EVENTS AND DOINGS.

55. Nothing of any great importance has taken place during the year, the only events of any moment being the opening of a new town hall in Menzies, and the near completion of the new municipal buildings, which are of stone, and a great ornament to the town.

56. The public battery was opened near Niagara, on the 21st of November last, amidst great rejoicings.

GENERALLY.

57. In comparing this with my last Report for 1899, a very marked improvement all round is noticeable. In that Report, many decreases had to be explained, while in this one almost every branch of mining has shown increased prosperity, and there is no doubt that all the districts have gone ahead considerably.

58. In and around Menzies, mining has held its own, there being numerous parties of miners working and getting their parcels of stone crushed at the various batteries available for that purpose, and enumerated in paragraph 37.

59. The Alpha has been conducting Diamond Drill boring with very encouraging results, a wide reef being encountered at 240 feet. A main shaft is now being sunk, and it is expected shortly to cut the lode. This will certainly give mining a fillip here, should the lode come up to the expectations the drill has led us to form.

60. There is no doubt that the greatest drawback to Menzies is the scarcity of water. As previously reported, the salt water supply for the mines and condensing purposes is pumped from Lake Barlee by the Menzies Water Works Co., and supplied to the mines at 17s. 6d. per thousand gallons, condensed water being supplied by the same Company at their stand in Shenton Street at 7s. 6d. per hundred gallons; but were a permanent supply discovered in or near the town, there is no doubt many more leases would be worked than is possible under existing conditions.

61. Notwithstanding these drawbacks several old leases have been taken up, and are being profitably worked, notably the old Selkirk, near the Lady Sherry, which is now known as the Dublin Castle.

62. Capitalists are at last turning their attention to Yerilla, as predicted in my 1899 Report, and I feel sure, should any company have pluck enough to take up a large area here, and erect, say, a 50-head battery, and economically work it, their enterprise would be rewarded by plenty of low-grade ore, running from 8 to 10dwts. per ton, and abundance of fresh water, enabling a handsome profit to be returned to the shareholders.

I have, etc.,

W. LAMB DEN OWEN,

Warden, North Coolgardie.

Menzies, 28th March, 1901.

ANNUAL REPORT, PART 2.

STATEMENT OF WORK DONE ON MINES.

1. In this will be found a Tabulated Statement of all the Mines on the field, with their developments to date, including Number of Lease or Leases each Mine consists of; Number of Shafts sunk; depth of deepest and shallowest; water level, quality, and yield per day.

2. I trust this will be found of service and interest to investors, and all those who are desirous of finding out exactly how much work has been done on the Mines in the various Sub-Districts of this Field.

3. By comparing this with last year's Return, the amount of work done during 1900 will be obtained.

I have etc.,

W. LAMB DEN OWEN,

Warden, North Coolgardie.

Menzies, 28th March, 1901.

TABLE A.

Applications for Leases, etc., under the Goldfields Act.

	Year 1899.	Year 1900.
Number of Gold Mining Leases applied for	188	260
Area of Gold Mining Leases applied for, in acres	2,171	3,124
Number of Gold Mining Leases abandoned, surrendered, or forfeited	217	186
Number of Gold Mining Leases refused	4	2
Number of Gold Mining Leases in force	303	353
Area of Gold Mining Leases in force, in acres	4,005	4,643
Number of Water Rights in force	129	132
Area of Water Rights in force, in acres	4,622	3,738
Number of Quartz Claims in force	32	32
Number of Alluvial Claims in force	5	2
Number of Protection Areas in force	43	45
Number of Residence Areas in force	295	295*
Number of Business Areas in force	195	184*
Number of Machine Areas in force	7	6
Number of Tailings Areas in force	3	4
Number of Garden Areas in force	3	4
Number of Miners' Rights issued during	905	956
Number of Business Licenses issued during	76	187

* Lots within Kookynie Townsite not included.

TABLE B.

Applications for Leases, etc., under the Mineral Lands Act.

	Year 1899	Year 1900.
Number of Mineral Leases applied for	4	4
Area of Mineral Leases applied for, in acres	13	230
Number of Mineral Leases abandoned, surrendered, or forfeited	1	2
Number of Mineral Leases refused ... ..	...	...
Number of Mineral Leases in force	4	4
Area of Mineral Leases in force, in acres	20	100
Number of Water Rights in force ... ..	...	...
Area of Water Rights in force, in acres ... ..	...	...
Number of Lode Claims in force ... ..	...	...
Number of Alluvial Claims in force ... ..	...	...
Number of Protection Areas in force ... ..	...	...
Number of Residence Areas in force... ..	...	...
Number of Business Areas in force ... ..	...	...
Number of Machine Areas in force ... ..	...	...
Number of Tailings Areas in force ... ..	...	...
Number of Garden Areas in force ... ..	...	...
Number of Mining Licenses issued during	1	6
Number of Quarry Licenses issued during	2	5
Number of Business Licenses issued during ... ..	...	...

TABLE C.

Table showing Number, Description, and Area of Mineral Leases in force.

Description of Minerals.	District.	Number of Leases.		Area in Acres.	
		1899.	1900.	1899.	1900.
Copper	Menzies	1	1	12	12
Copper	Ularring ... ..	...	1	...	80
Stone (building)	Menzies	3	2	8	8
Total ... ..	...	4	4	20	100

TABLE D.

** List of Ore-reduction Plants.*

District.	Number of Stamps erected.		Value of Mining Machinery.	
	1899.	1900.	1899.	1900.
Menzies	186	+148	£ 129,037	£ 135,961
Ularring	60	60	28,117	37,043
Niagara	95	†105	38,401	63,874
Yerilla	55	§45	25,253	12,762
Total	396	358	£220,808	£249,640

* For details, see Mining Statistics. † 1 Prospecting Mill and 1 Puddler. ‡ 1 Tremain Mill.
§ 1 Tremain and 2 Prospecting Mills.

TABLE E.

Particulars of Mining Accidents.

	1899.	1900.
Number of Men injured	14	10
Number of Men killed... ..	2	8

TABLE F.

Showing Population of each District on 31st December, 1900, as compared with 31st December, 1899.

District.	Males.		Females.		Total.		Increase.	Decrease.
	1899.	1900.	1899.	1900.	1899.	1900.		
Menzies	2,170	2,200	870	880	3,040	3,080	40	
Ularring	393	525	59	75	452	600	148	
Niagara	720	850	118	150	838	1,000	162	
Yerilla	296	300	29	30	325	330	5	
Total	3,579	3,875	1,076	1,135	4,655	5,010	355	

TABLE G.

Mining Revenue 1899-1900.

	District.	Year 1899.			Year 1900.		
		£	s.	d.	£	s.	d.
Lease Rental under Goldfields Act	N. Coolgardie	5,049	14	0	4,900	11	0
Other sources under Goldfields Act	Do. ...	1,818	0	3	2,420	6	9
Lease Rental under Mineral Lands Act	Do. ...	5	10	0	41	6	6
Other sources under Mineral Lands Act	Do. ...	1	10	0	6	6	0
Survey Fees (Leases, Areas, etc.)	Do. ...	1,467	2	6	2,080	2	6
Fees (Examination of Engine-drivers)	Do. ...	22	0	0	40	12	6
Exemption Fees	Do. ...	450	8	0	416	11	0
Receipts from Public Batteries	Do. ...	5,226	1	3	9,935	10	1
Fees under Boiler Inspection Act	Do. ...	111	0	0	230	5	0
Receipts from all other Sources	Do. ...	15	9	9	8	16	3
Total Mining Revenue ... ..	...	£14,166	15	9	£20,080	7	7

TABLE H.

Average number of Miners employed.

District.	Reef or Load.		Alluvial.		Total.	
	1899.	1900.	1899.	1900.	1899.	1900.
Menzies	677	565	35	50	712	615
Ularring	340	355	10	46	350	401
Niagara	315	452	...	30	315	482
Yerilla	241	138	16	20	257	153
Total	1,573	1,510	61	146	1,634	1,656

TABLE I.

Water Supply during Year 1900.

District or Mining Centre.	Average depth at which Salt Water is struck.	Average depth at which Fresh or Stock Water is struck.	Government Tanks—Number and Contents.	Average Rainfall.
Menzies	5ft. to 25ft. (at Lake Barlee)	70ft. to 80ft.	3,049,400 gals.	12.17
Goongarrie ... ..	...	...	1,048,300 "	...
Ularring (Mulline)	130ft.	130ft.	1,527,000 "	...
Ularring (Speakman's) ... ..	...	...	1,088,400 "	...
Niagara ... ..	...	85ft.	38,750,000 "	9.87
Yerilla ... ..	...	90ft. to 120ft. (fresh and stock)	...	...

TABLE J.

Ruling Rates of Wages during 1900.

	per week,	Menzies and Ularring.		Niagara and Yerilla.	
		£	s. d.	£	s. d.
Miners above ground	3	7 0	3	10 0
Miners below ground	3	15 0	4	0 0
Miners wet ground	4	0 0	4	10 0
Engine-drivers	4	5 0	4	10 0
Mechanics	5	0 0	5	0 0
Carpenters	4	5 0	4	10 0
Labourers	3	7 0	3	10 0

TABLE K.

** Yield of Gold for Year ended 1900.*

District.	Alluvial.	Dolled and Specimens.	Tons crushed.	Return in ozs.	Total yield.		Average per ton ex- clusive of Alluvial and Specimens.	
					1899.	1900.	1899.	1900.
	ozs.	ozs.			ozs.	ozs.	ozs.	ozs.
Menzies	552.88	39.07	38,047.39	49,181.12	62,368.89	49,773.07	1.46	1.29
Ularring ... ..	...	5.00	16,820.00	20,279.96	18,330.51	20,284.96	1.53	1.20
Niagara	4.12	88.92	30,716.00	27,971.65	26,041.40	28,064.69	0.80	0.91
Yerilla	133.05	516.33	5,144.60	8,001.87	10,227.34	8,651.25	1.30	1.55
Total	690.05	649.32	90,727.99	105,434.60	116,968.14	106,773.97	1.23	1.16

* For details, see Mining Statistics.

The following particulars have been extracted from the Returns furnished to the Warden of the North Coolgardie Goldfield:—

No. of Lease.	Name of Lease.	If owned by Company, Name and Capital.	No. of Shafts.	Depth of Deepest.	Depth of Shallowest.	WATER.		
						Level Obtained.	Yield per day.	Quality.
MENZIES DISTRICT.								
2728z, 3480z, 3481z	Boddington	Goongarrie Goldfield, Ltd., £70,000 ...	7	feet. 211	feet. 14	feet. 115	gallons. 8,000	Salt
2736z, 3185z, 3382z, 3383z, 3951z, 4869z	} Lady Montefiore United G.Ms., Limited	In process of reconstruction, to be called Goongarrie United G.Ms., Ltd.	24	140	35	100	12,000	Salt
2820z	Lady Shenton	Lady Shenton G.M., Ltd., £160,000 ...	6	516	10	100 to 316	1,000 to 6,000	Salt
2821z	Florence	Florence G.M., Ltd., £120,000	5	310	3	200 to 210	6,000	Part salt and part stock
2822z	Lady Harriett ... ..	... ..	17	200	16	160	Small	Salt
2823z	Robinson Crusoe	{ Menzies Crusoe Gold Claims, Ltd., }	8	317	80	...	Nil	...
3009z	Crusoe East	{ £200,000 }						
2832z, 3098z, 3089z, 4930z, 3100z, 3138z, 2843z, 2844z, 4948z, 3148z	... ..	Menzies Mining and Exploration Corporation, Ltd.	54	220	20	154	2,000	Stock
2834z	Emulator	Central Menzies G.M., Ltd., £60,000 ...	8	201½	3½	200	Nil	Salt
2835z, 3914z ... ..	... ..	Menzies Lady Sherry G.M. Co., Ltd., 132,000 shares, at 10s. per share	8	260	33	200	unknown	Salt
2836z	Wedderburn	Queensland Menzies G.M. Co., N.L., 132,000 shares, at 5s., half paid-up	3	366	60	...	Practically none	...
3011z, 3031z ... ..	... ..	Menzies Alpha Co., Ltd.	9	270	80	...	Nil	...
3048z	Warrior	Warrior Menzies G.M. Co., N.L., £42,500	20	257	30	200	500	Fresh
3235z	Gem ... ..	...					
3398z	Monte Christo ... ..	...	2	398	186	150	...	Stock
3151z	Balkis	Menzies United Mines, Ltd.	8	130	25	130	1,200	Fresh
3322z	True Blue ... ..	...	4	187	80	170	...	...
4879z, 4900z	Black Jack ... ..	...	5	240	50	150	...	Salt
4883z	St. Albans ... ..	...	9	120	14	82	10,000	Salt
4891z	Caledonian ... ..	...	3	190	50	150	100	Stock
4895z	Maranoa	Herley Bros. and Johnstone	5	180	30	130	50	Salt
3277z	Kensington	Do. do.	11	180	20	85	1,000	Salt
4902z, 4903z	Phoenix Gold Mines, Ltd. ... ..	...	5	130	70	...	Nil	...
4912z	Crown and Cross ... ..	...	6	96	12	...	Nil	...
4914z	Maori Chief ... ..	...	4	135	30	100	60	Stock
4918z, 4946z	Alexandra ... ..	...	6	340	70	120	500	Stock
4938/9z, 4970 ... ..	... ..	Menzies Gold Reefs Proprietary, Limited, £175,000	1	70	...	...	Nil	...
4947z	Hearts Content ... ..	...	4	62	20	...	Nil	...
4949z	Brown Hill ... ..	...	3	130	45	130	15,000	Fresh
4950z	Springfield ... ..	...	3	60	25	...	Nil	...
4957z	Gem Extended ... ..	...	3	40	10	...	Nil	...
4968z	Venture ... ..	...	2	70	60	...	Nil	...
4951z	Guiding Star ... ..	...	3	75	12	...	Nil	...
4941z	Nil Desperandum ... ..	...					

ULARRING DISTRICT.

2v	Mulline ... ..	...	3	85	13	...	Nil	...
6v	Ularring Westralia ... ..	...	5	160	20	...	Nil	...
9v	Mulwarrie ... ..	...	4	235	25	100	100	Fresh
11v, 12v, and 13v	Speakman's Mt. Callion, Ltd.	...	4	240	140	140	2,500	Salt
44v	Melbourne ... ..	...	3	170	80	170	...	Fresh
52v ... ..	...	Rio Tinto G.M. Co., Ltd., £4,320	8	95	18	80	600	Fresh
89v and 92v ...	Redleap	London and Coolgardie Explorers, Ltd.	9	158	10	130	150	Stock
179v	La Belle Maie ... ..	...	16	101	33	...	Nil	...
193v, 203/5v, } 382v, 218/19v }	Copperfield Leases	Bullion Corporation Co., Ltd.	12	150	20	123	7,000	Salt
235v	Lady Gladys ... ..	...	8	130	25	...	Nil	...
139v	Rose Hill Treasure ... ..	...	...	...	...	...	Nil	...
290v	Lady Gladys Junction ... ..	...	3	131	100	...	Nil	...
308v	Oakleigh ... ..	...	...	...	...	...	...	...
391v	Oakleigh South ... ..	...	7	150	30	200	30	Salt
442v	Mavis ... ..	...	...	...	...	...	...	...
314v	Day Dream South No. 2 ... ..	...	1	50	...	...	Nil	...
324v	Riverina South ... ..	...	12	135	10	135	...	Stock
326v	Forrest Belle ... ..	...	6	100	30	...	Nil	...
332v	Young Australian ... ..	...	8	230	25	...	Nil	...
330v and 408v ...	Cooladdie ... ..	...	3	360	52	...	Nil	...
339v	Derby ... ..	...	4	153	12	150	80	Fresh
340v	Dungan ... ..	...	4	75	30	...	...	...
349v	Pactolus ... ..	...	3	75	37	...	Nil	...
364v	Big Gun... ..	...	3	160	40	...	Nil	...
372v	Alaska ... ..	...	6	165	50	165	10	Salt
373v	Diameo ... ..	...	2	160	40	140	200	Fresh
398v, 281v, 282v...	East Mulwarrie	Menzies, Limited	1	176	...	96	30	Stock
395v	Mulwarrie North ... ..	...	4	97	20	116	60	Stock
400v	Mouna ... ..	...	4	130	28	...	...	...
401v	Killaloe ... ..	...	5	150	25	...	Nil	...
500v	Killaloe South ... ..	...	...	...	...	...	...	...
403v	Lady Florence ... ..	...	7	130	25	...	Nil	...
413v	South Dungan ... ..	...	1	75	...	75	10	Stock
422v	Reprive ... ..	...	4	56	20	...	Nil	...
423v	Refuse ... ..	...	4	70	14	...	Nil	...
424v	Mulwarrie South ... ..	...	7	50	15	...	...	...
434v	Nil Desperandum ... ..	...	5	45	8	...	Nil	...
438v	Waihi	Waihi Gold Mines, £80,000	6	75	15	...	Nil	...
439v	Melrose ... ..	...	2	50	12	...	...	...
440v	Homeward ... ..	...	5	32	16	...	...	...
443v	Chiltern ... ..	...	2	38	28	...	Nil	...
452	Dum Dum ... ..	...	4	60	10	...	Nil	...
455v	Lady Kate ... ..	...	4	130	60	130	...	Salt
457v	Commonwealth ... ..	...	5	20	10	...	...	...
459v, 468v ... ..	...	Golden Pole Gold Mines, Ltd., £20,000...	4	165	16	162	300	Salt
460v	Forget-me-not ... ..	...	5	40	18	...	Nil	...
461v	Maces Golden Hill ... ..	...	3	45	30	...	Nil	...
462v	*Reprive Extended ... ..	...	...	...	...	...	...	...
465v	Glengarry ... ..	...	6	63	6	...	Nil	...

N.B.—The output, etc., of each producing mine will be found in the Tables of Mining Statistics.

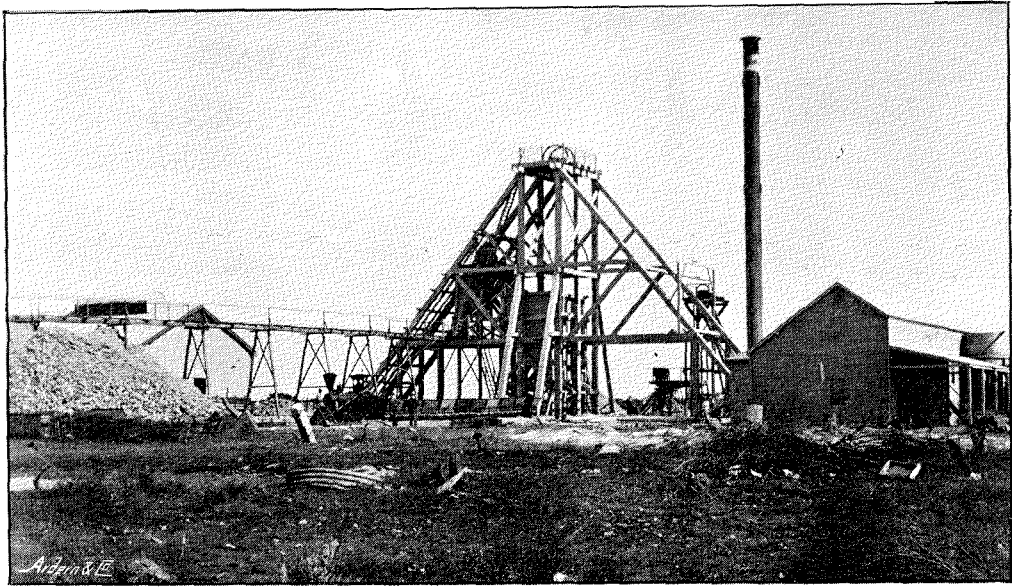
* No work done on this; amalgamated with 422v, Reprive.

NORTH COOLGARDIE GOLDFIELD—continued.

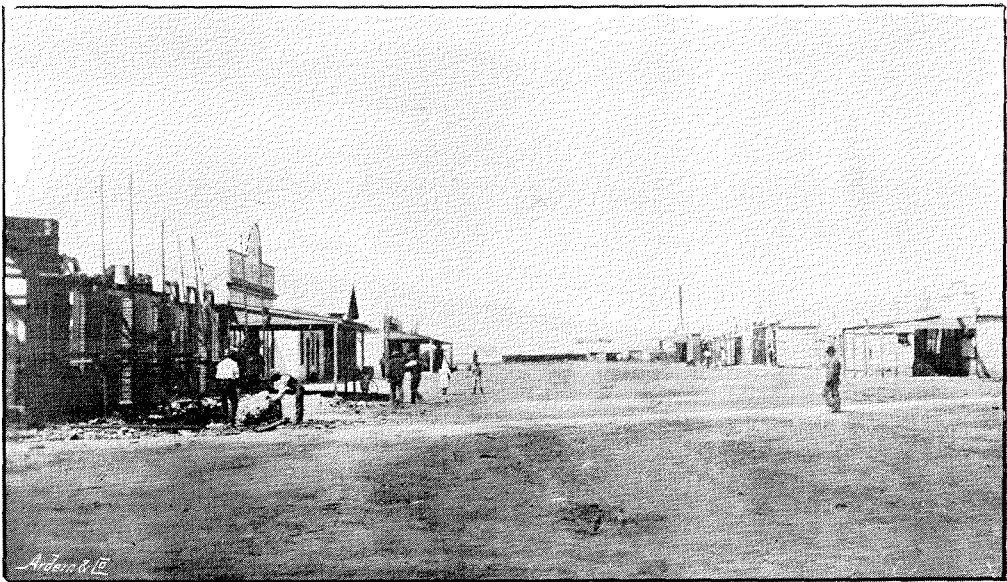
No. of Lease.	Name of Lease.	If owned by Company, Name and Capital.	No. of Shafts.	Depth of Deepest.	Depth of Shallowest.	WATER.		
						Level Obtained.	Yield per day.	Quality.
ULARRING DISTRICT—continued.								
466v	Commonwealth Extended		4	45	6	...	Nil	...
467v	Welcome Stranger		3	100	30	...	Nil	...
469v	Reprieve West		2	57	16	...	Nil	...
473v	* Davy's Junction		...	...	...	...	...	...
388v	Off Chance		6	250	30	250	25	Fresh
485v	Champion		2	31	25	...	Nil	...
487v	Mulwarrie Consols		1	40	...	...	Nil	...
491v	Warne's United		4	110	27	...	Nil	...
494v	Mulwarrie Main Reef		4	85	30	...	Nil	...
495v & 506v	Westralian Ularring Extended		3	45	30	...	Nil	...
496v	Waihi Consols		2	30	20	...	Nil	...
505v	Mulwarrie Gift		1	17	...	...	Nil	...
501v	Ajax		2	30	12	...	Nil	...
502v	Imperial		4	50	26	...	Nil	...
509v	Main Chance		1	25	...	...	Nil	...
513v	Nellie Bly		2	54	45	...	Nil	...
514v	Boudies Nest No. 1 North		1	80	...	30	...	...
479v	Waihi North Extended		8	38	6	...	Nil	...
92v	Oasis Reward		4	95	40	...	Nil	...

NIAGARA DISTRICT.

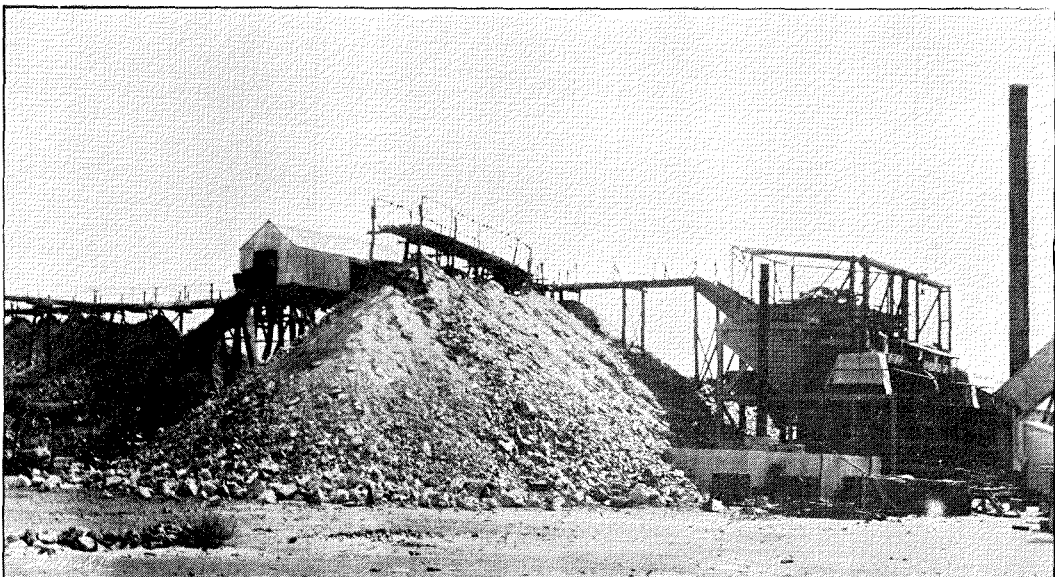
20g, 87g, 94g, 338g	...	The Cumberland Niagara Gold Mines, Ltd., £100,000	8	145	30	61	22,000	Stock, & fresh
22/28g, 31g, 246g, 384/5g, 393g, 269g, 265g, 331g, 367g, 194g, 332g, 351g, 354/8g, 413/16g, 425g, 427g	...	Cosmopolitan Proprietary, Ltd.	25	400	65	60 to 80	15,000	Stock
29g	Gladstone	Continental and W.A. Trust, Ltd.	3	130	87	115	600	Stock
41g	Britannia	Britannia G.M. Co., Ltd., £95,000	11	300	48	{ 50 80	20,000	Stock
279g	Batavia						12,000	Stock
224g and 225g	...	Hannans Gold Estates, Ltd.	3	210	100	90	24,000	Stock
253g	Victoria	...	3	125	90	75	...	Fresh
255g	Puzzle	...	2	115	46	...	6,000	Fresh
272g, 327g	Golden Hope	...	7	100	15	100	4,000	Stock
278g	Fortuna	...	...	...	...	...	...	...
349g	Grafter	...	10	130	18	95	13,000	Stock
297	Northern Scot	...	4	60	40	60	6,000	Fresh
301	Eureka	...	3	136	25	135	...	Stock
308g	Ballarat	...	3	120	20	90	600	Fresh
314g	Ly	...	10	65	30	...	...	...
320g, 335g, 347g	...	Champion Proprietary, Ltd., £150,000	6	135	12	40	140,000	Stock
359g, 408g	...	Niagara Champion South, Ltd., £10,000, £1 share and Ten founders' shares	6	110	38	38	20,000	Stock



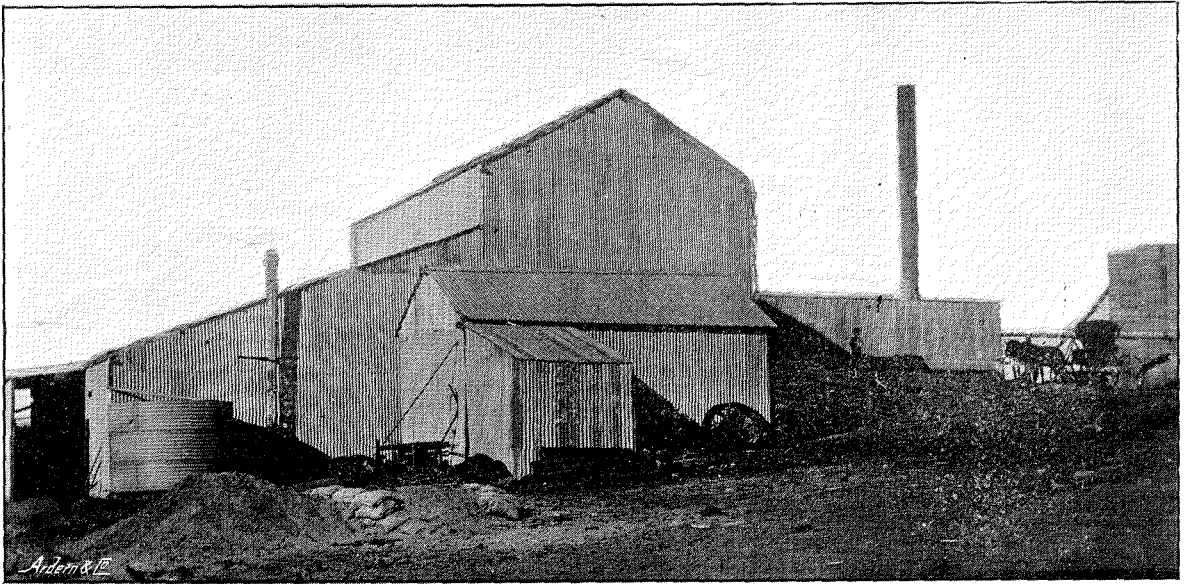
Englishman G. M., Kookynie.
North Coolgardie G.F.



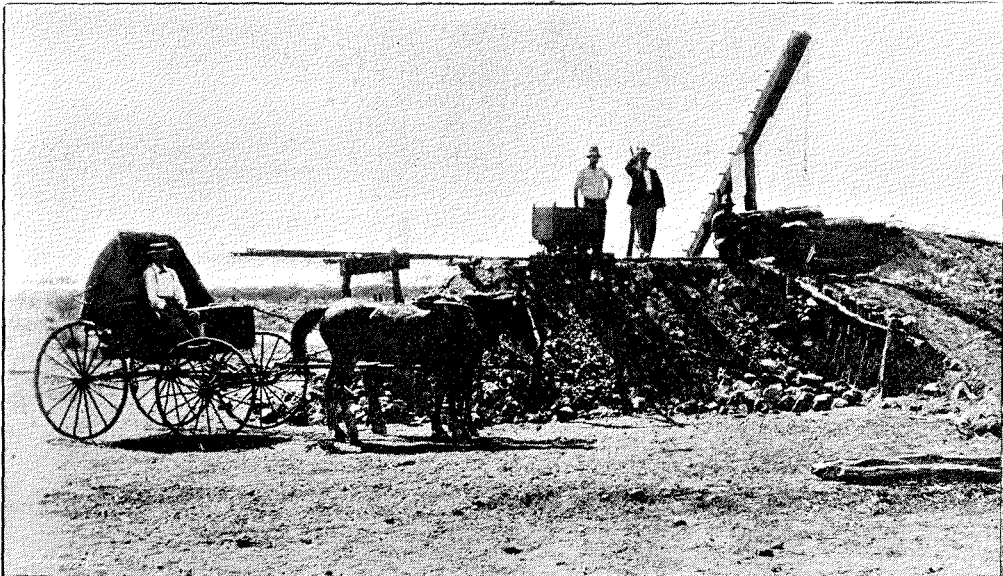
Main Street, Kookynie.
North Coolgardie G.F.



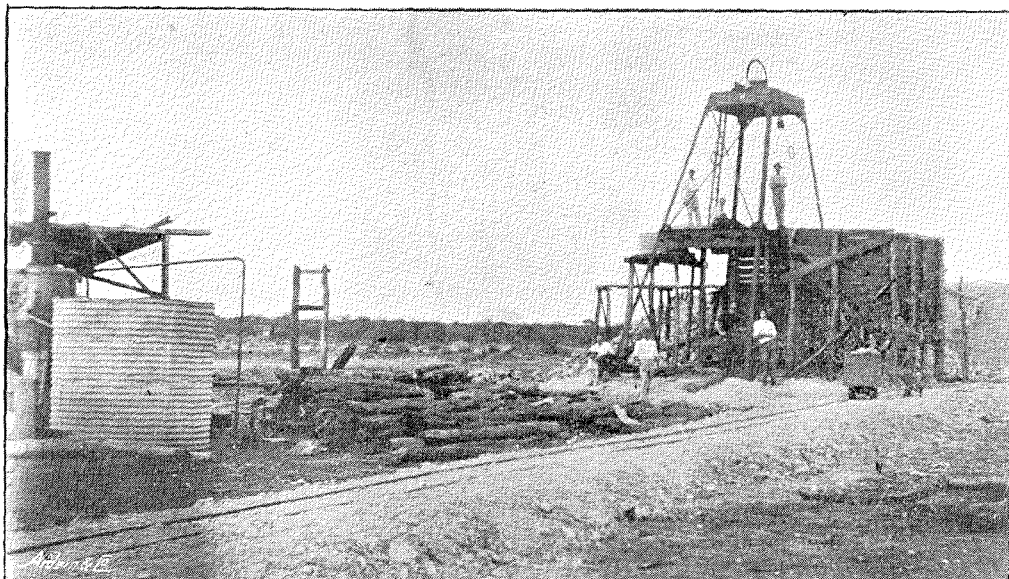
Cumberland G. M., Kookynie.
North Coolgardie G.F.



Government Battery, Mt. Ida.
North Coolgardie G.F.



Rio Tinto G. M., Mt. Ida.
North Coolgardie G.F.



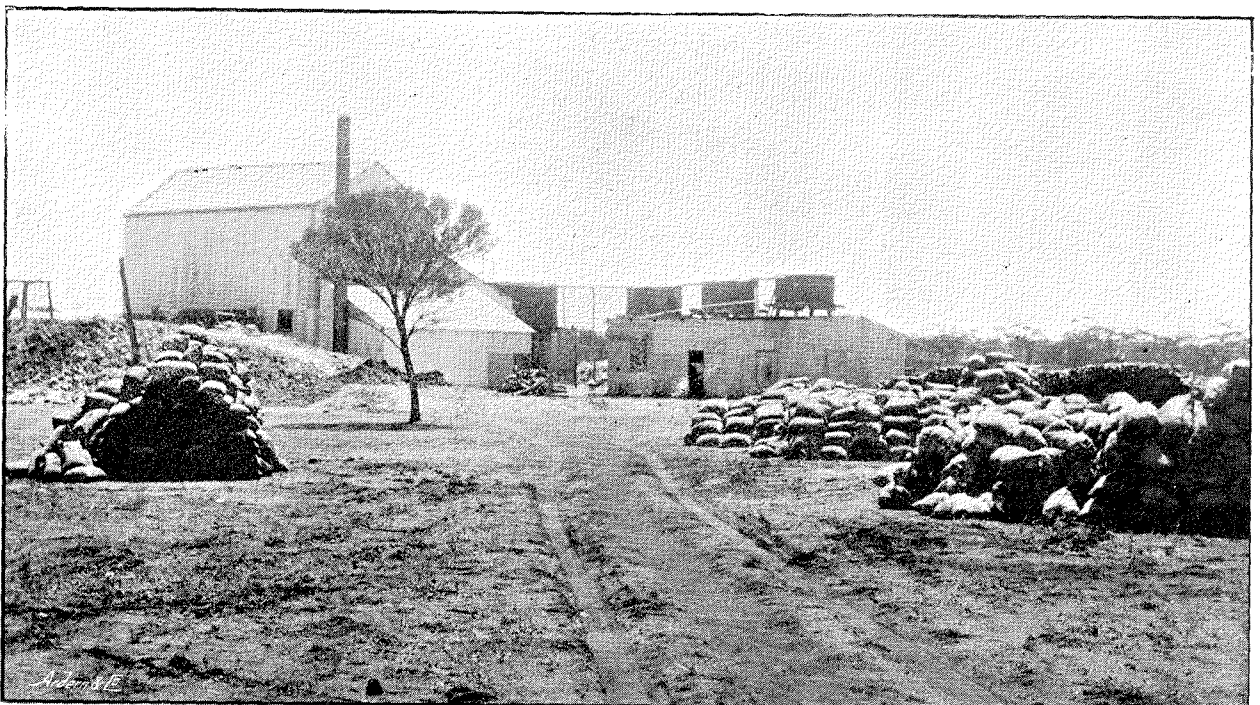
David Copperfield G. M., Mt. Ida.
North Coolgardie G.F.



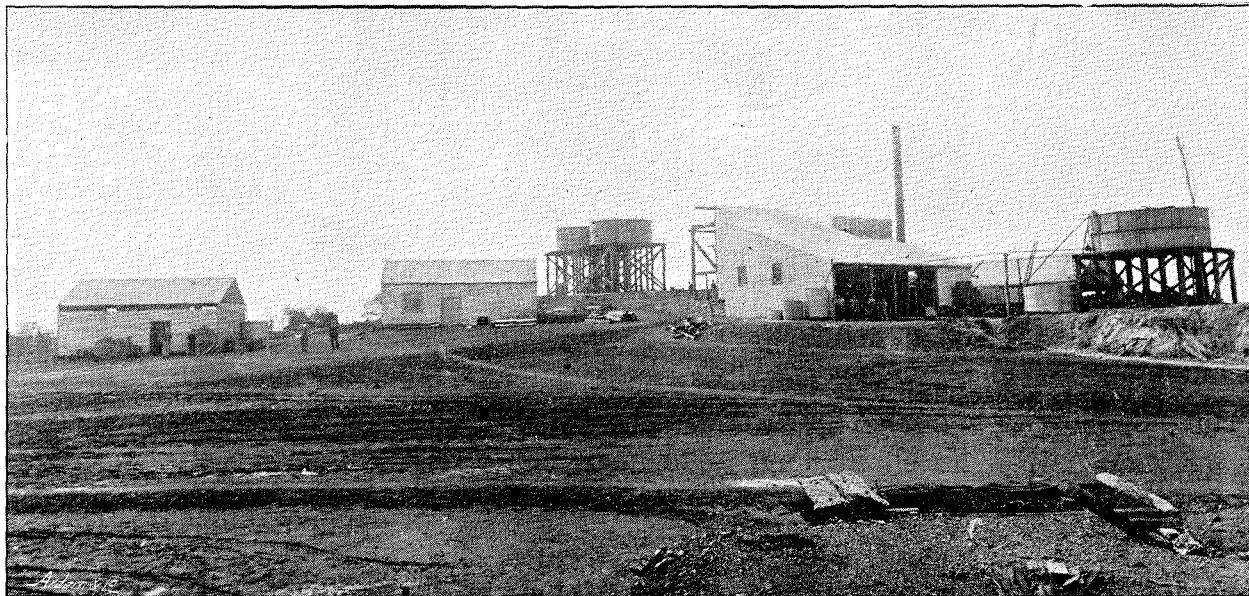
Ida G. M., Mt. Ida.
North Coolgardie G.F.



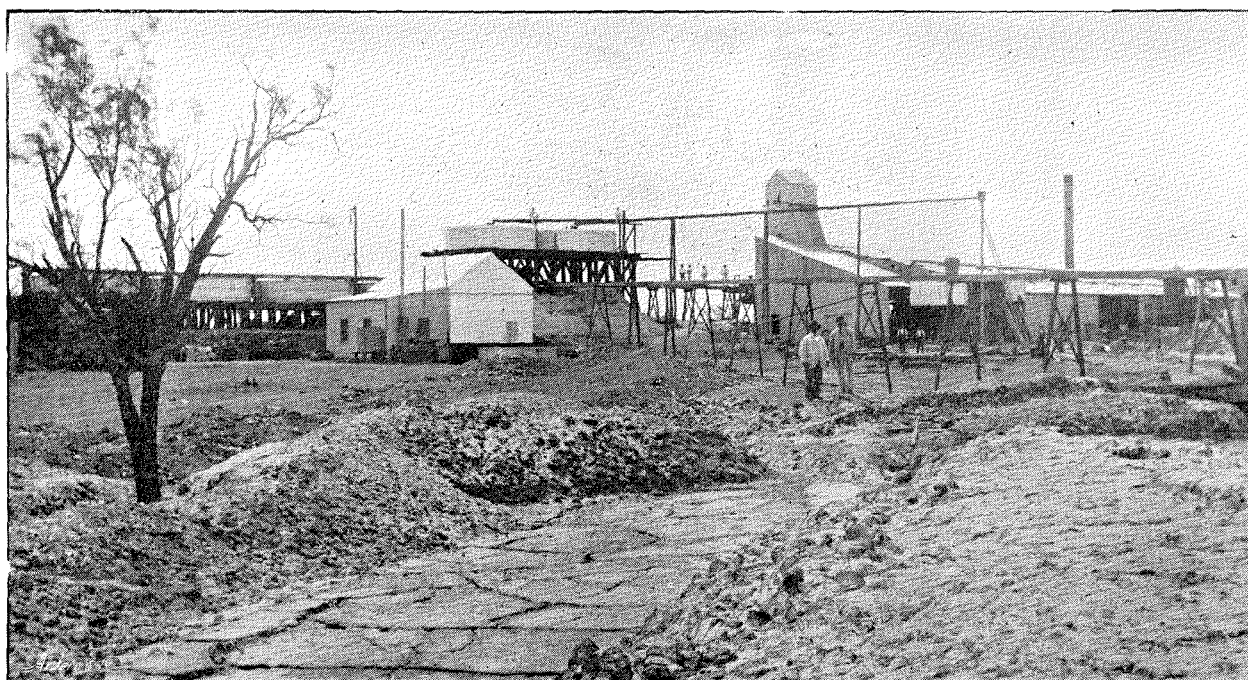
Forrest Belle G. M., Mt. Ida.
North Coolgardie G.F.



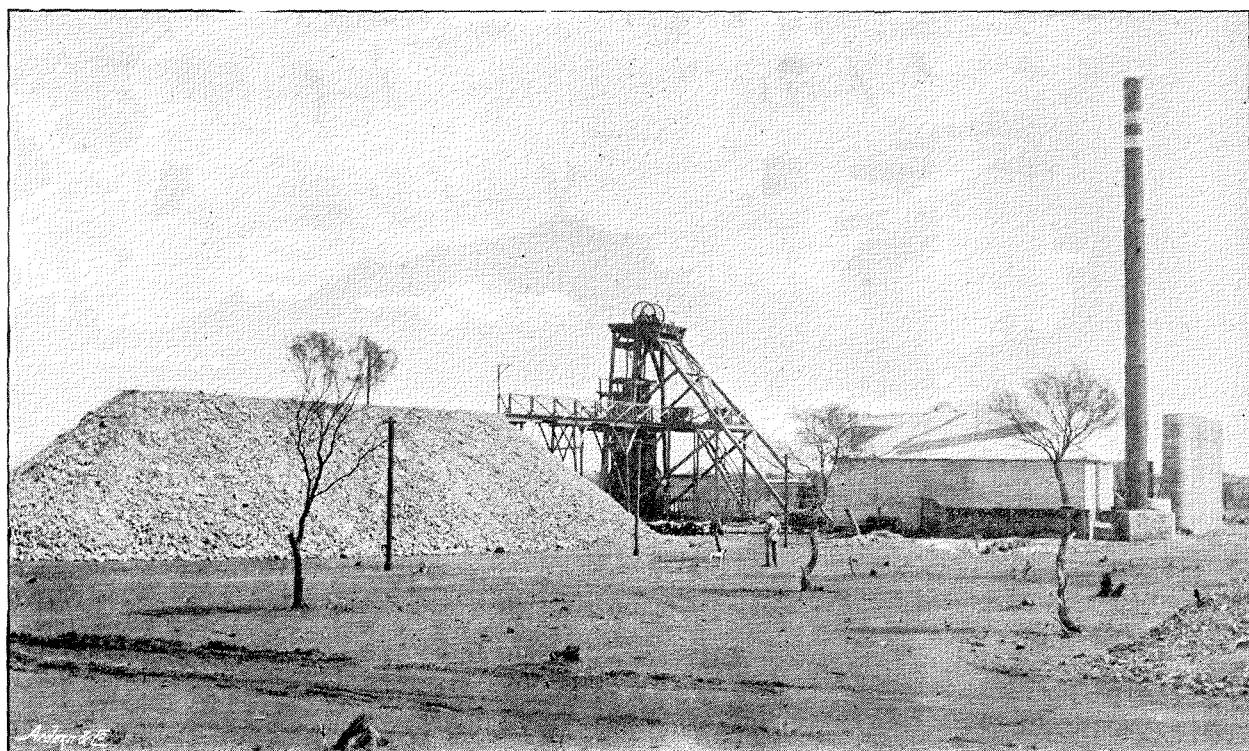
Government Battery, Mulline.
North Coolgardie G.F.



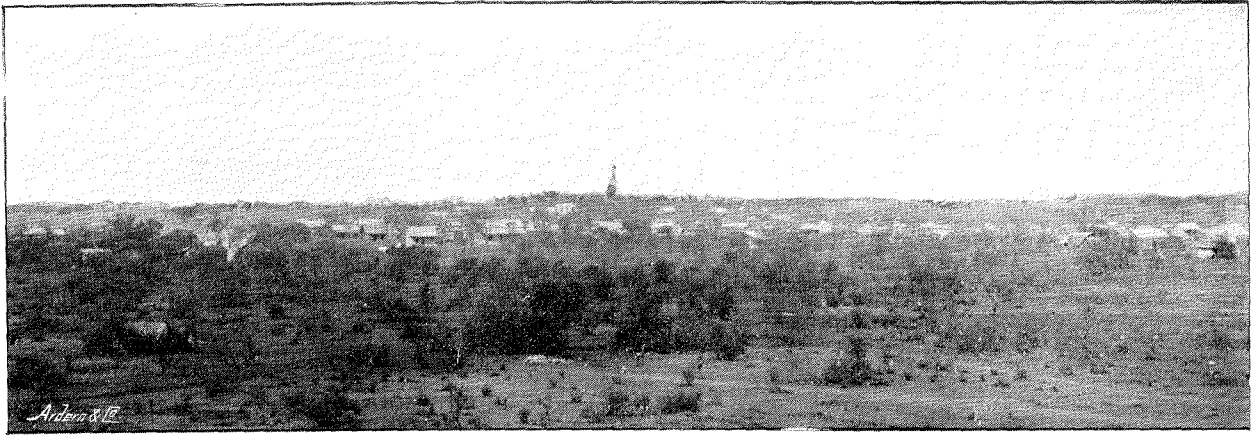
Crusoe G. M. Menzies.
North Coolgardie G.F.



Menzies Consolidated G. M., 1899.
North Coolgardie G.F.

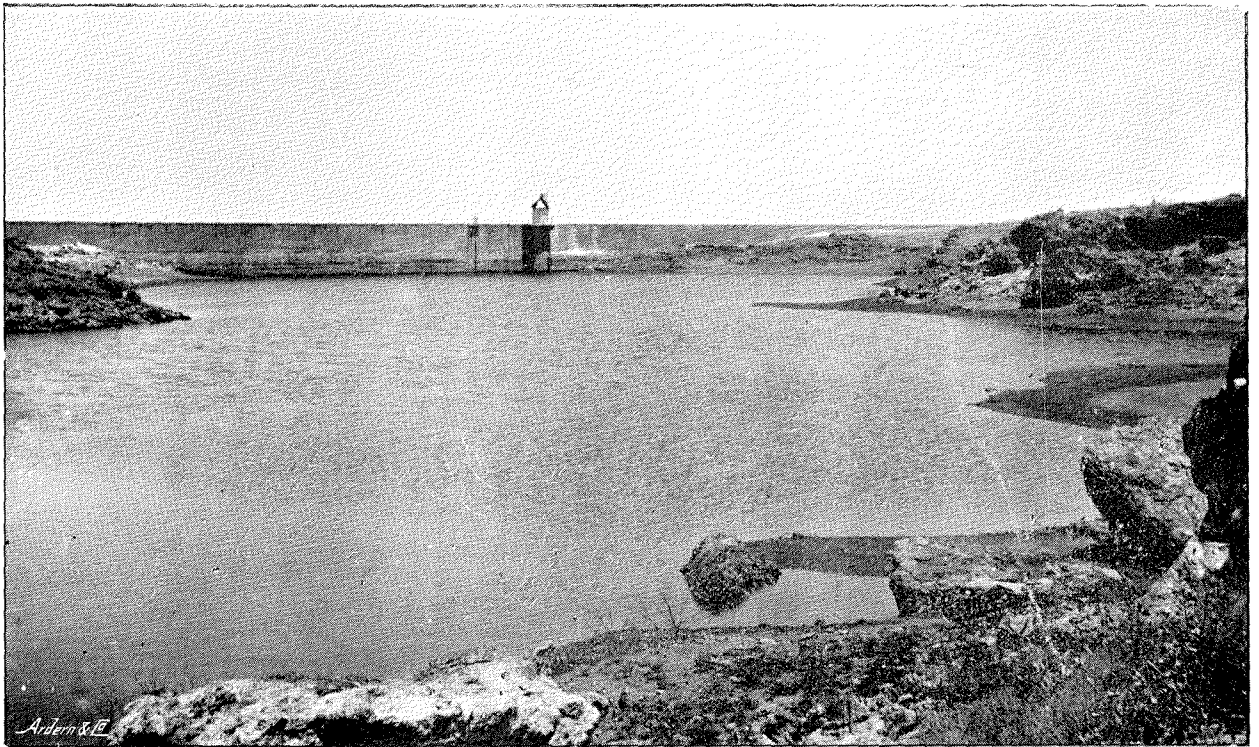


Menzies Gold Estates, Main Shaft, 1899.
North Coolgardie G.F.



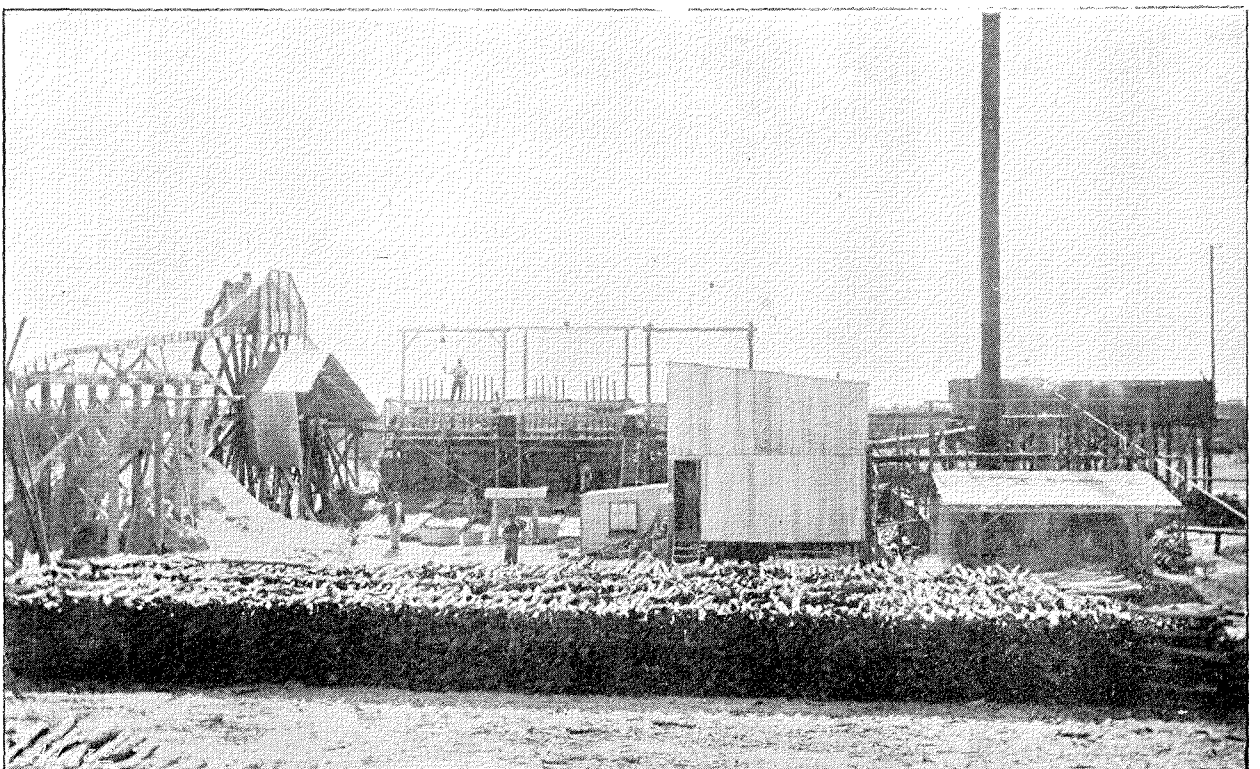
Ardern & Co.

Menzies, 1897.
North Coolgardie G.F.

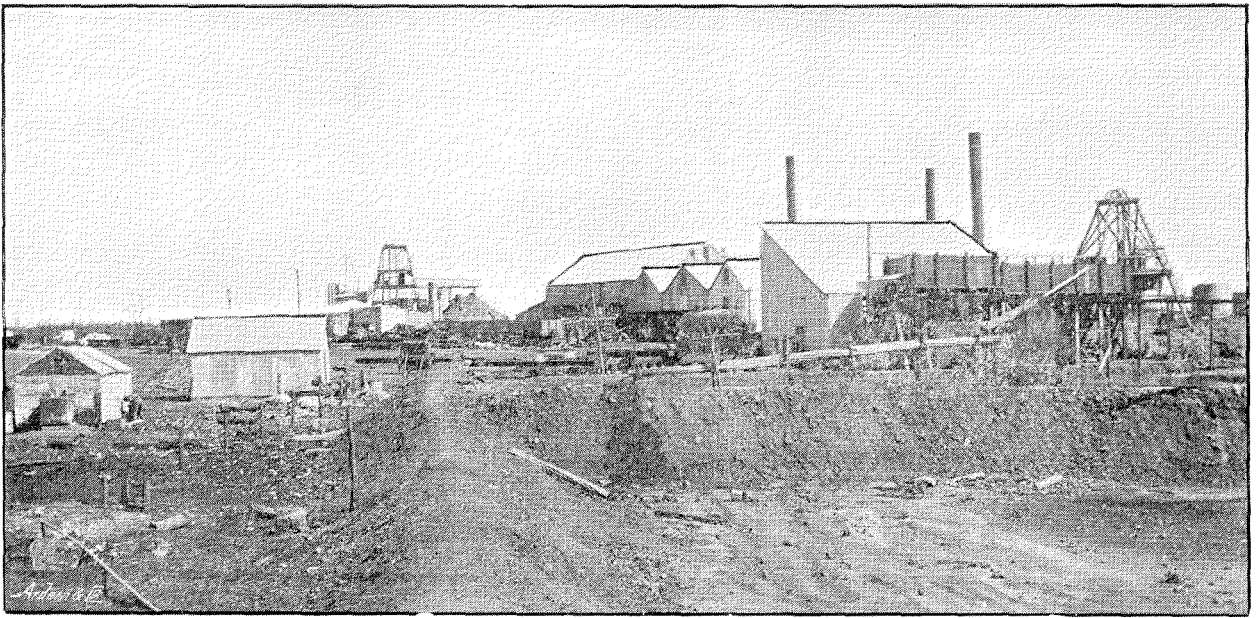


Ardern & Co.

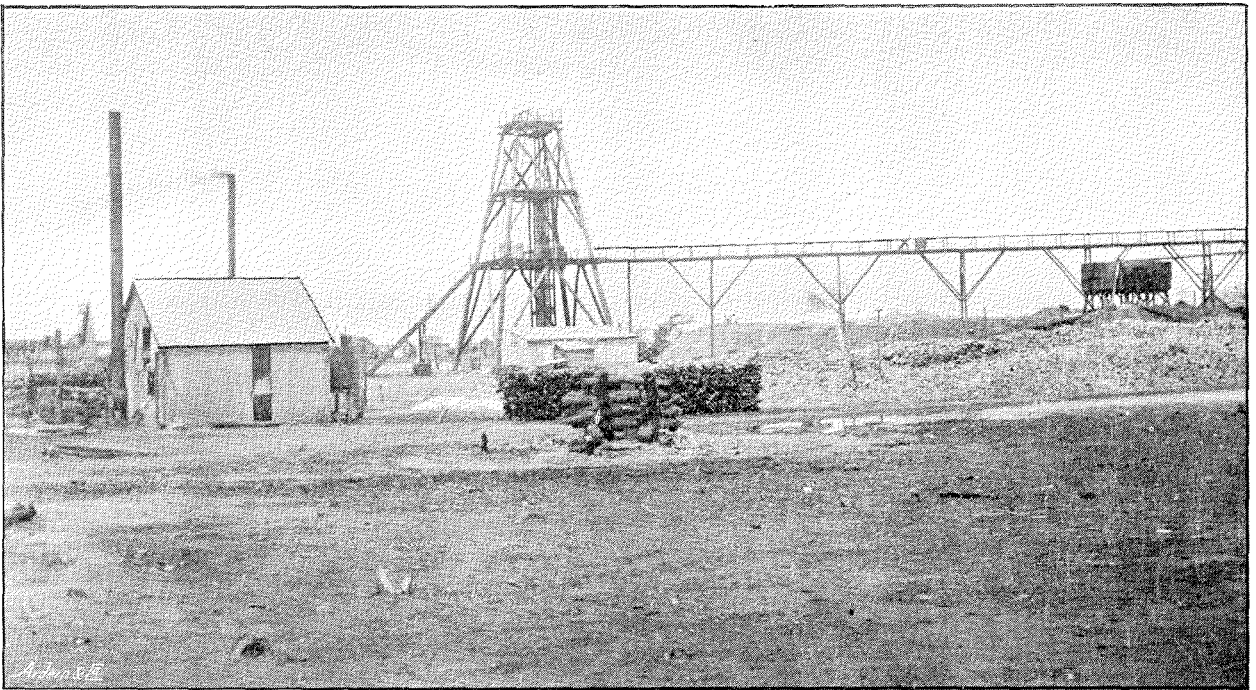
Niagara Reservoir, 1899.
North Coolgardie G.F.



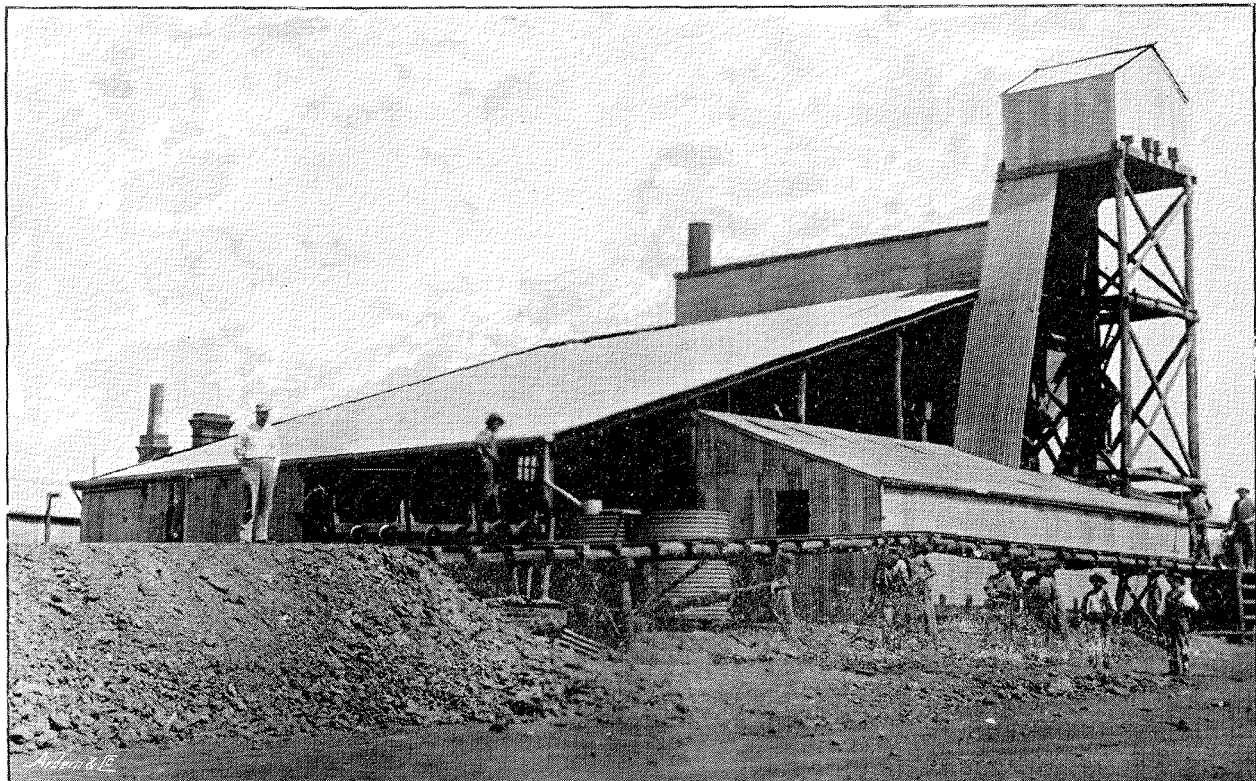
Cosmopolitan G. M., Niagara.
North Coolgardie G.F.



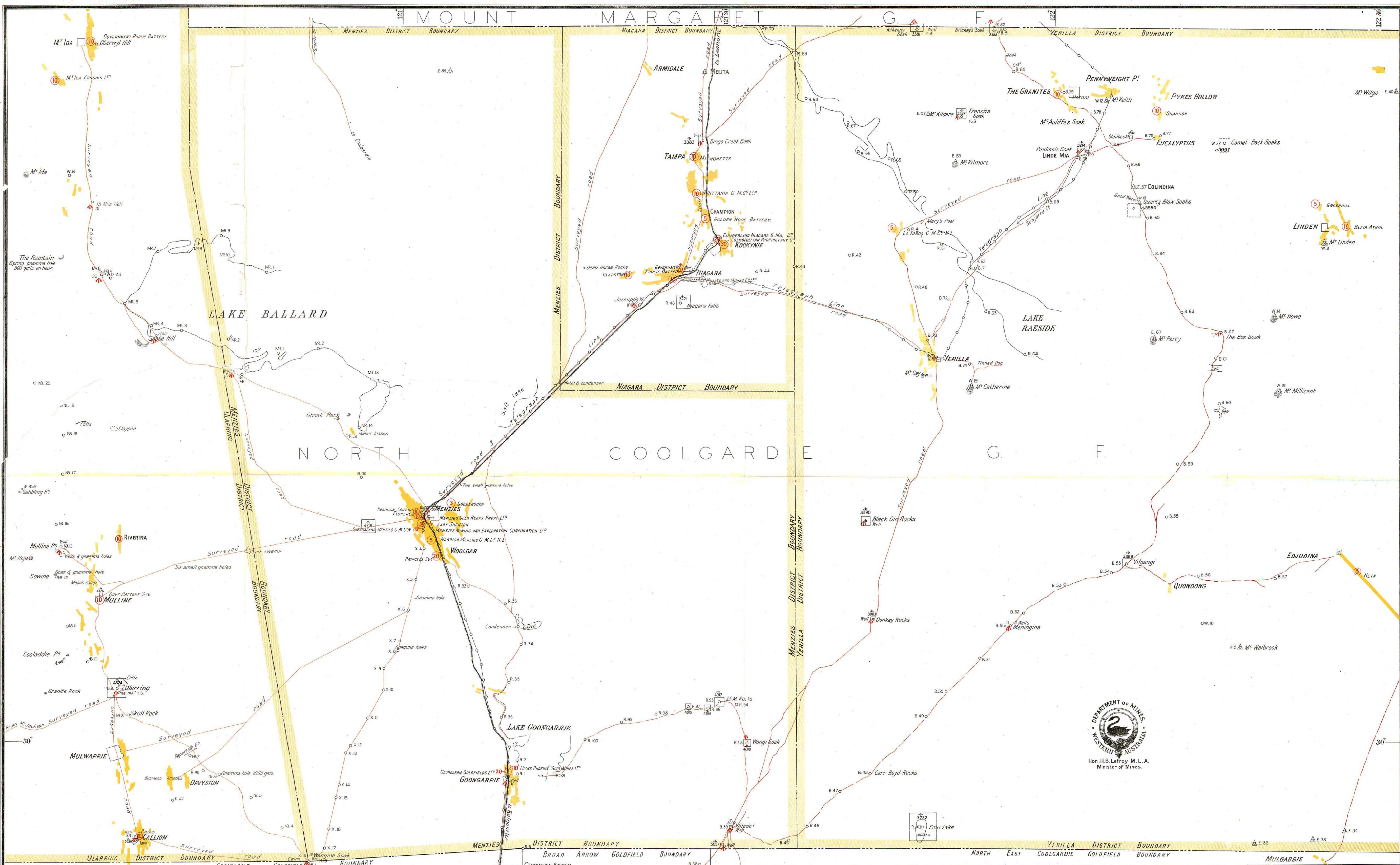
Lady Shenton, 1899, Menzies.
North Coolgardie G.F.



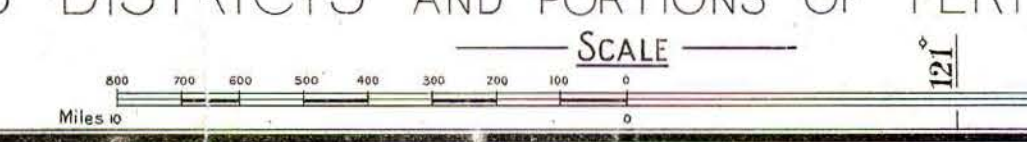
Queensland Menzies, Main Shaft.
North Coolgardie G.F.





Friday Battery, Menzies Gold Reefs Proprietary.
North Coolgardie G.F.



PORTION OF
NORTH COOLGARDIE GOLDFIELD
 NIAGARA & MENZIES DISTRICTS AND PORTIONS OF YERILLA & ULARRING DISTRICTS.



NOTE— Roads shown as "Cut Tracks" are Private Work
 "Cleared Roads" are Government Work
 Gov^{ts} Wells are shown thus 
 Batteries erected & N^o of Stamps employed shown thus 

362g, 391g	...	...	Euroa and Euroa Extended	5	120	50	...	Nil	...
388g	...	Papuan	...	5	90	20	50	400	Stock
390g, 405g, 426g	...	Balmoral, Batavia North, Batavia North-East	...	9	62	20	62	20	Stock
394g	...	Sovereign	...	5	72	40	63	1,200	Stock
396g	...	Treasure	Allan Syndicate, Ltd., £3,000	3	110	40	85	2,000	Fresh
404g	...	Britisher	...	1	90	...	90	500	Fresh
411g	...	Triumph	...	3	70	40	...	Nil	...
419g	...	Opal	...	1	40	...	...	Nil	...
420g	...	Treasure South	...	2	40	20	...	Nil	...
421g	...	Kookynie Consols	...	2	85	20	...	Nil	...
423g	...	Ingeborg	...	1	50	50	...	Nil	...
424g	...	Day Dawn	...	1	45	...	...	Nil	...
431g	...	Sovereign North	...	2	68	58	...	...	...
432g	...	Sovereign South	...	2	87	70	...	Nil	...
441g	...	Grafter No. 1 South	...	2	87	70	...	Nil	...
444g	...	Stringer	...	3	35	35	...	...	...
452g	...	Pine Lodge	...	5	120	35	...	...	...

YERILLA DISTRICT.

315R	...	Shannon	...	9	140	20	...	Nil	...
387R	...	Lady Ethel	...	5	110	30	110	...	Fresh
397R	...	...	La Tosca G.M. Co., N.L., £15,000	5	141	45	65	3000	Salt
505R	...	Knight Errant	...	7	100	20	96	400	Fresh
408R	...	Greenhill	Greenhill G.M. Co., 9,600 £1 shares, paid up 10s.	7	130	20	From 20ft.	1200	Salt
401R, 500R	...	Nita, Geneve	...	10	135	100	100	5000	Stock
497R, 418R	...	Gawler, Nita Extended	...	3	20	8	...	Nil	...
449R	...	Landed at Last, North Extended	...	3	20	8	...	Nil	...
450R	...	Potosi	Mt. Margaret Reward	2	203	119	100	100	Fresh
457R, 493R, 496R, 492R	...	...	Pendinnie Gold Mines, Ltd., £200,000	7	150	92	142	300	Fresh
464R	...	Federal	...	3	125	15	...	Nil	...
466R	...	Queen of the May	...	2	115	15	110	3,000	Fresh
467R	...	Queen of the May South	...	2	95	52	90	...	Fresh
491R	...	Brown Hill	...	5	80	25	...	Nil	...
498R	...	Vulcan	...	2	110	50	100	5,000	Salt
499R	...	Tucker Bag	...	7	110	40	...	...	{ Good supply, fresh
502R	...	Glengarry	...	4	80	30	80	Nil	Salt
504R	...	Gando	...	4	90	30	...	...	...
510R	...	Undaunted	...	6	160	30	90	...	Salt
512R	...	Lord Nelson	...	6	70	40	70	...	Salt
513R	...	Brilliant	...	2	85	30	85	...	Salt
515R	...	Federation	...	2	40	8	...	Nil	...
520R	...	Cornucopia	...	5	110	40	80	2,000	Stock
522R	...	Little Wonder	...	2	25	15	...	Nil	...
523R	...	Outcast	...	2	35	18	...	Nil	...
527R	...	Bella	...	2	40	30	...	...	...
530R	...	Golden King	...	1	8	...	...	...	...
533R	...	Boomerang	...	1	20	...	...	Nil	...

N.B.—The output, etc., of each producing mine will be found in the tables of Mining Statistics.

* The work done on this lease has been confined to costeening and surface prospecting.

Warden's Report for North-East Coolgardie Goldfield for the year 1900.

The Under Secretary for Mines, Perth.

SIR,

Kanowna, 19th February, 1901.

I beg to submit the following Report on the North-East Coolgardie Goldfield for the year ended 31st December, 1900, for the information of the Honourable the Minister for Mines.

1. During this year the mining industry of this goldfield has not been so prosperous as could be desired. With perhaps only one exception, the properties owned by companies have not proved successful, notwithstanding that in some cases a good deal of money was expended on development and prospecting work. A large falling off in the yield of gold and in revenue received has occurred.

2. The following are details of the gold yield and of the revenue:—

KANOWNA.		ozs.
(a.) Alluvial gold		8,931·83
(b.) Dollied and specimens		1,255·76
(c.) Ore crushed 59,443·05 tons for a yield of		37,195·07
(d.) Total yield		47,382·66
(e.) Average per ton exclusive of alluvial gold and specimens		·63
BULONG.		ozs.
(a.) Alluvial gold		4,312·24
(b.) Dollied and specimens		2,470·36
(c.) Ore crushed, 10,858 tons, for		12,429·09
(d.) Total yield		19,211·69
(e.) Average per ton		1·14
KURNALPI.		ozs.
(a.) Alluvial gold		2,855·50
(b.) Dollied and specimens		897·42
(c.) Ore crushed, 439 tons, for		471·21
(d.) Total yield		4,224·13
(e.) Average per ton		1·07
The total quantity of alluvial gold obtained was		16,099·57 ounces
The quantity dollied		4,623·54 "
Ore milled		70,740·05 tons
Gold from milled ore		50,095·37 ounces
Total production of gold from all sources for the year		70,818·48 "
Average yield per ton of milled ore		·70 "

Revenue as follows was collected:—

	£	s.	d.
Mining (exclusive of revenue received at head office)	4,121	6	6
Internal " " " "	1,523	12	1
Stamps " " " "	160	16	3
Lands " " " "	145	14	6
Excise " " " "	800	8	1
	£6,751	17	5

3. The White Feather Main Reef, Limited, maintains its position of premier and only dividend paying mine on the goldfield owned by a company. Other properties owned by companies, on which useful development and exploratory work has been carried on during the year are the Queen Margaret, and a few others at Bulong, The White Feather Reward Claims, The North White Feather Gold Mines, Limited; The Last Chance, The Kanowna Consolidated, The Kanowna Champion Lode Gold Mining Company, The Robinson Gold Mines, Limited; The Bonnie Charlie Gold Mining Company, The Jubilee Gold Mines, South Gippsland Leases, The Vosperton Gold Mines, Limited, etc.

Alluvial.—The known alluvial workings at Kanowna, Bulong, Mount Monger, Taurus, Kurnalpi, and Mulgabbie appear to be almost worked out, but at some of these places good reefs have been found, and a lot of low grade material remains. With cheap means of extracting the gold it is said this material would pay handsomely.

The satisfactory treatment of auriferous clay (or pug) has not been achieved. New methods are being constantly tried.

The discovery of only a few gold nuggets were reported during the year. I append a list of them, as follows:—

13oz.	found at	Hogan's Find.
3oz.	do.	do.
2oz.	do.	do.
13oz.	do.	do.
9oz.	do.	do.
3oz.	do.	do.
2oz.	do.	do.
29oz.	do.	Taurus
17oz.	do.	do.
15oz.	do.	do.
197oz.	do.	Kurnalpi by William Eddy, 1-10-1900.*

4. *Population.*—This was estimated on 31st December, 1900, to be 2,113 males and 801 females.

The females increased 182 during this year, but the total population decreased about 340. Bulong appears to have suffered most in this respect.

* This nugget was reported at first to weigh 208oz., but its actual weight was as stated on this list.

5. *Machinery*.—This is valued at £124,170, and particulars respecting it are set out in the tables attached.

6. At the end of the year there were 179 goldmining leases in force, containing an acreage of 2,267 acres. Further particulars respecting leases and other holdings under the Goldfields Act will be found in Table A.

7. *Mineral Lands Act*.—No operations of any importance took place under this Act. An attempt was made to obtain a lease of 1,500 acres of land at Kurnalpi, for dredging for gold under the Dredging Act, but after investigation, and a hearing of the application, it was refused by the Minister as contrary to the Act.

8. *Mining Accidents*.—Nine accidents occurred, four of which terminated fatally.

9. The average number of miners employed in connection with reef and lode mining was 860, and in alluvial 775; the total average number of miners employed was 1,635.

10. *Labour*.—The supply of labour of all classes has been equal to the demand, and wages were paid at rates from £3 3s. per week for ordinary labourers to £3 10s.; £4, £4 10s., and £6 for miners, engine-drivers, mechanics, and carpenters. No cases of poverty or distress resulting from want of employment came under my notice.

11. *Religion*.—The Anglican, Roman Catholic, Wesleyan Methodist, Salvation Army, and Church of Christ have places of worship at Kanowna, and the Catholics and Wesleyans possess churches at Bulong.

12. *Schools*.—At Kanowna there is a State school (mixed), with an average number of 169·2 scholars on the rolls, the average attendance being 136·3; also a private school (Catholic), with an average attendance of about 25 pupils. There is also a State school at Bulong.

13. *Hospitals*.—There is one hospital at Kanowna, and one at Bulong. These institutions are governed by local committees, and are supported by public subscriptions, donations, and a £ for £ subsidy from the State on all moneys collected. The State also allows £100 a year in each case towards the doctor's salary, and 25s. per week towards the maintenance of each indigent patient.

14. Kanowna and Bulong are municipalities, and each place is governed by a Mayor and Councillors. The former contains the chief State offices and buildings, and comprise a stone building containing the Court Room, Mining, Treasury, and Survey Offices. The Warden's Quarters is a wood and iron building. There is also a Post and Telegraph Office, Police Station, Municipal Chambers, Miners' Institute, Library and Reading Room.

Bulong possesses a Court House, Mining Registrar's and Clerk of Court's Offices, Municipal Chamber, Miners' Institute, Library Room, Police Station, and Post and Telegraph Office.

15. *Wines, Beer, and Spirits Sale Act, 1880*.—The undermentioned licenses exist under the above Act:—19 Public General Licenses, 8 Wayside House Licenses, 6 Wine and Beer Licenses, 5 Gallon Licenses, 1 Billiard Table License, 4 Eating House Licenses.

16. *Industrial and Commercial Establishments, etc.*—2 breweries (1 at Kanowna and 1 at Bulong), 3 aerated water factories, 4 bakeries, 4 butchers' shops, 29 other shops.

17. *Cost of Living (Foodstuffs)*.—Bread, 6d. per 2lb. loaf; rump steak, 1s. 3d. per lb.; beef and mutton, 10d. per lb.; tea, 1s. 9d.; white sugar, 3d.; oatmeal, 3d.; bacon, 1s. 3d.; butter, 1s. 6d.; eggs, 1s. 6d. to 2s. per doz.; flour, 3d. per lb.; potatoes, 2d.; onions, 3d.; cabbage, $\frac{3}{4}$ d. per lb.; imported jams (2lb. tins), 10s. per doz.; W.A. brands (2lb. tins), 9s. per doz.; rice, 2 $\frac{1}{2}$ d. per lb.; dried fruits, 1s. per lb.; tinned meats, 8d. to 9d. per lb.; grapes, 6d. to 1s. per lb.; oranges, 1s. 6d. to 3s. per doz.; apples, 9d. per lb.; tomatoes, 4d. per lb. Water, 8s. per 100 gallons. Meals at hotels, 3s. each, and at restaurants, 1s. 6d.

18. *Water Supply*.—This is obtained from condensers, Government tanks, and rain water caught from the roofs of buildings.

19. *Transport and Passenger Traffic*.—This is provided for by a railway from Kanowna to Kalgoorlie, where it connects with the railway system of the Colony, and by teams, mail conveyances, and camels to Bulong and the outlying parts of the Goldfield.

20. *Rainfall*.—This was very good for the year. The rain-gauges at the Kanowna, Bulong, and Kurnalpi Post Offices recorded 10·22, 9·96, and 11·18 inches respectively. The rain fell on 71, 89, and 62 days respectively; the average fall at the three places named being 10·4 inches, and the average number of days on which rain occurred being 74.

The greatest depth of water in the Kanowna tank was 19 feet 9 inches, and at the end of the year it had a depth of about 15 feet 6 inches. The Bulong tank was not so successful. The lakes, clay-pans, and swamps collected very little water, owing probably to the lightness of the rain and the large number of days on which it fell, these circumstances causing it to be absorbed by the earth.

Grass, flowers, weeds, etc., grew abundantly, and this fact, together with the success of a few persons who planted wheat, cabbages, peas, lettuce, raddish, and mushrooms, proved that given a sufficient rainfall or proper artificial irrigation, the productiveness of the soil is all that could be desired, and that the country could be made the home of the agriculturist and pastoralist as well as of the miner.

A few applications for pastoral leases were made to the Department of Lands, and were, I believe, approved.

21. Although the yield of gold from this field has been receding since 1899, and anticipations of a revival of mining have not been realised, yet there does not appear to be any ground for fearing that there is not a prosperous future for those who have invested their money here or wish to invest it. That the field is rich in auriferous deposits is proved by the large quantities of the precious metal which have been found in localities situated long distances apart—such as Kanowna, Bulong, Kurnalpi, Mount Monger, Taurus, Mulgabbie, the Six Mile, Vosperton, Mulgarrie, White Heads Find, the Jubilee, Gordon,

Camelia, and other places, and the whole of the land which has been prospected or worked for gold is almost as nothing compared with the enormous area of country which remains in its virgin state. Capital and labour, if wisely employed, should have a perfectly fair field here for mining enterprise.

According to the records, the field has yielded up to date, 31st December, 1900, 403,514·71 ounces of gold.

22. The usual tables have been forwarded to the Statist, and I am forwarding a report on the Bulong Field by Mr. J. A. Flower.

23. In conclusion I have to thank my staff, and especially the Mining Registrar, Kanowna, for the satisfactory manner in which they have discharged their duties, and for the willing and valuable assistance rendered to myself.

I have etc.,
P. TROY,
Warden.

TABLE A.
Applications for Leases, etc., under the Goldfields Act.

	Year 1899.	Year 1900.
KANOWNA.		
Number of Gold Mining Leases applied for	73	57
Area of Gold Mining Leases applied for, in acres	1,018	674
Number of Gold Mining Leases abandoned, surrendered, or forfeited ...	60	48
Number of Gold Mining Leases refused	4	4
Number of Gold Mining Leases in force	125	133
Area of Gold Mining Leases in force, in acres	1,602	1,625
Number of Water Rights in force	17	26
Area of Water Rights in force, in acres	38	39
Number of Quartz Claims in force	34	23
Number of Alluvial Claims in force	221	196
Number of Protection Areas in force	47	65
*Number of Residence Areas in force	8	9
*Number of Business Areas in force	37	42
Number of Machine Areas in force	16	14
Number of Tailings Areas in force	5	5
Number of Garden Areas in force	2	3
Number of Miners' Rights issued during	1,100	547
Number of Business Licenses issued during	15	6
BULONG.		
Number of Gold Mining Leases applied for	46	17
Area of Gold Mining Leases applied for, in acres	574	238
Number of Gold Mining Leases abandoned, surrendered, or forfeited ...	38	39
Number of Gold Mining Leases refused ... ..	...	3
Number of Gold Mining Leases in force	69	38
Area of Gold Mining Leases in force, in acres	818	509
Number of Water Rights in force	16	14
Area of Water Rights in force, in acres	98	63
Number of Quartz Claims in force	7	8
Number of Alluvial Claims in force	31	38
Number of Protection Areas in force	10	15
Number of Residence Areas in force... ..	67	67
Number of Business Areas in force	10	10
Number of Machine Areas in force	5	2
Number of Tailings Areas in force	2	1
Number of Garden Areas in force ... ..	...	...
Number of Miners' Rights issued during	407	133
Number of Business Licenses issued during	16	3
KURNALPI.		
Number of Gold Mining Leases applied for	4	4
Area of Gold Mining Leases applied for, in acres	60	60
Number of Gold Mining Leases abandoned, surrendered, or forfeited ...	27	3
Number of Gold Mining Leases refused ... ..	...	1
Number of Gold Mining Leases in force	8	8
Area of Gold Mining Leases in force, in acres	133	133
Number of Water Rights in force	6	1
Area of Water Rights in force, in acres	133	2
Number of Quartz Claims, in force	5	12
Number of Alluvial Claims in force	2	5
Number of Protection Areas in force	7	6
Number of Residence Areas in force	4	4
Number of Business Areas in force	4	1
Number of Machine Areas in force	1	2
Number of Tailings Areas, in force ... ..	...	...
Number of Garden Areas in force ... ..	...	...
Number of Miners' Rights issued during	67	70
Number of Business Licenses issued during ... ..	...	...

* In addition to the above there were on 31st December, 1899, 236 registered Residence Areas and 80 Business Areas, and on the 31st December, 1900, 236 Residence Areas and 79 Business Areas included within the boundaries of declared townsites, but not sold.

TABLE B.

Applications for Leases, etc., under the Mineral Lands Act.

	Year 1899.	Year 1900.
KANOWNA.		
Number of Mineral Leases applied for	...	1
Area of Mineral Leases applied for, in acres	...	30
Number of Mineral Leases abandoned, surrendered, or forfeited
Number of Mineral Leases refused	...	1
Number of Mineral Leases in force	2	2
Area of Mineral Leases in force, in acres	17	17
Number of Water Rights in force
Area of Water Rights in force, in acres
Number of Lode Claims in force
Number of Alluvial Claims in force
Number of Protection Areas in force
Number of Residence Areas in force
Number of Business Areas in force
Number of Machine Areas in force
Number of Tailings Areas in force
Number of Garden Areas in force
Number of Mining Licenses issued during	2	1
Number of Quarry Licenses issued during	1	...
Number of Business Licenses issued during
BULONG.		
Number of Mineral Leases applied for
Area of Mineral Leases applied for, in acres
Number of Mineral Leases abandoned, surrendered, or forfeited	2	...
Number of Mineral Leases refused
Number of Mineral Leases in force
Area of Mineral Leases in force, in acres
Number of Water Rights in force
Area of Water Rights in force, in acres
Number of Lode Claims in force
Number of Alluvial Claims in force
Number of Protection Areas in force	1	1
Number of Residence Areas in force
Number of Business Areas in force
Number of Machine Areas in force
Number of Tailings Areas in force
Number of Garden Areas in force
Number of Mining Licenses issued during	3	1
Number of Quarry Licenses issued during
Number of Business Licenses issued during
KURNALPI.		
Number of Mineral Leases applied for
Area of Mineral Leases applied for, in acres
Number of Mineral Leases abandoned, surrendered, or forfeited
Number of Mineral Leases refused
Number of Mineral Leases in force
Area of Mineral Leases in force, in acres
Number of Water Rights in force
Area of Water Rights in force, in acres
Number of Lode Claims in force
Number of Alluvial Claims in force
Number of Protection Areas in force	...	1
Number of Residence Areas in force
Number of Business Areas in force
Number of Machine Areas in force
Number of Tailings Areas in force
Number of Garden Areas in force
Number of Mining Licenses issued during
Number of Quarry Licenses issued during
Number of Business Licenses issued during

TABLE C.

Table showing Number, Description, and Area of Mineral Leases in force.

Description of Minerals.	District.	Number of Leases.		Area in Acres.	
		1899.	1900.	1899.	1900.
Building Stone	Kanowna	2	2	17	17
Do.	Bulong ... ..	...	...	...	...
Do.	Kurnalpi ... ..	...	...	...	...
	Total	2	2	17	17

TABLE D.

* List of Ore-reduction Plants.

District.	Number of Stamps erected.		Value of Mining Machinery.	
	1899.	1900.	1899.	1900.
Kanowna	191	† 175	£ 70,293	£ 98,109
Bulong	50	30	19,871	23,025
Kurnalpi	5	‡ 10	1,250	3,086
Total	246	215	£91,414	£124,170

* For details, see Mining Statistics. † 1 Ball Mill, 2 Griffin Mills, 4 Huntington Mills, 2 Prospecting Mills, 1 Crushing Roller, 1 Dry Crusher, 6 Puddlers, 4 Arrastras. ‡ 1 Tremain Mill.

TABLE E.

Particulars of Mining Accidents.

	1899.	1900.
Number of men injured	8	5
Number of men killed	3	4

TABLE F.

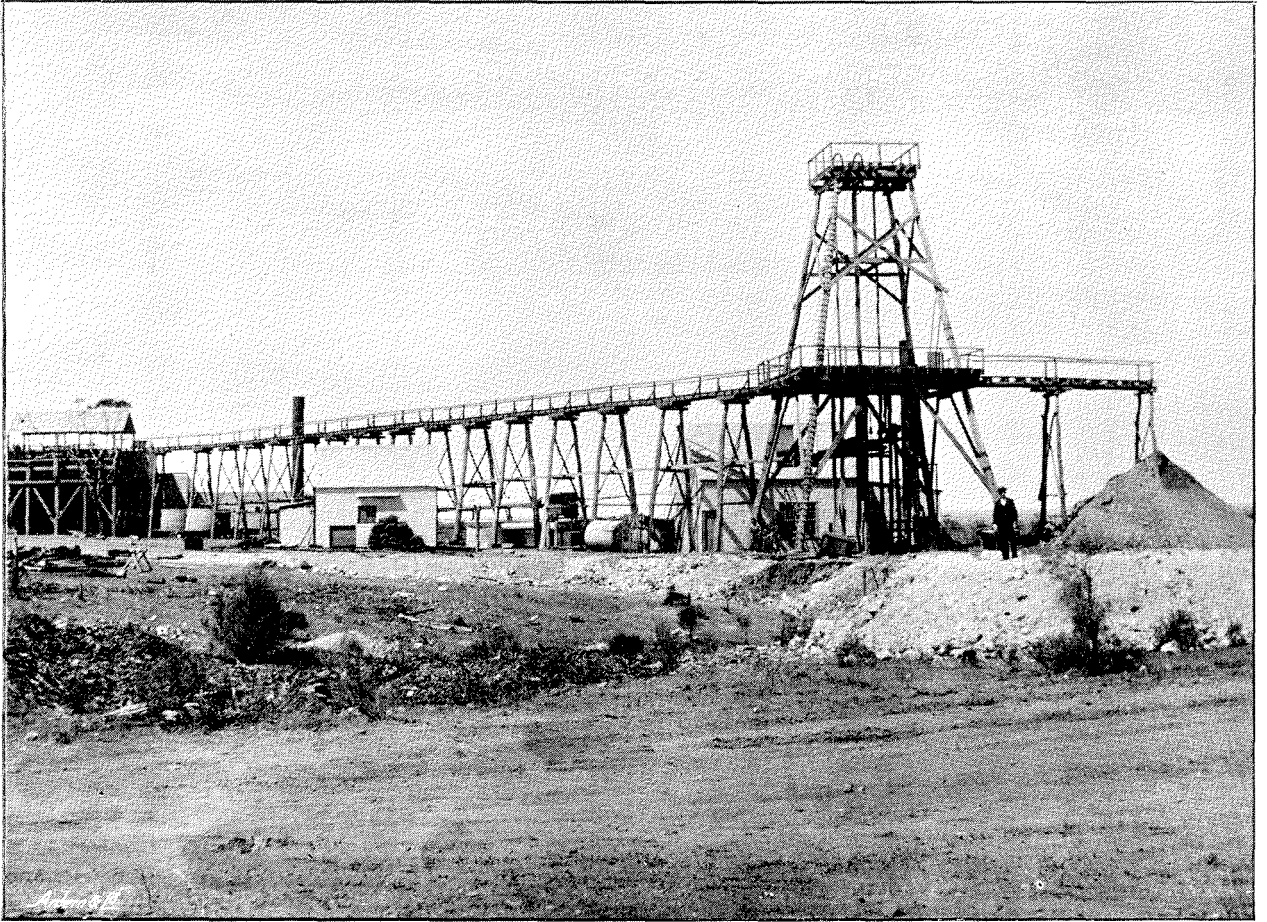
Showing Population of each District on 31st December, 1900, as compared with 31st December, 1899.

District.	Males.		Females.		Total.		Increase.	Decrease.
	1899.	1900.	1899.	1900.	1899.	1900.		
Kanowna	1,676	1,487	419	606	2,095	2,093	...	2
Bulong	768	503	192	187	960	690	...	270
Kurnalpi	191	123	8	8	199	131	...	68
Total	2,635	2,113	619	801	3,254	2,914	...	340

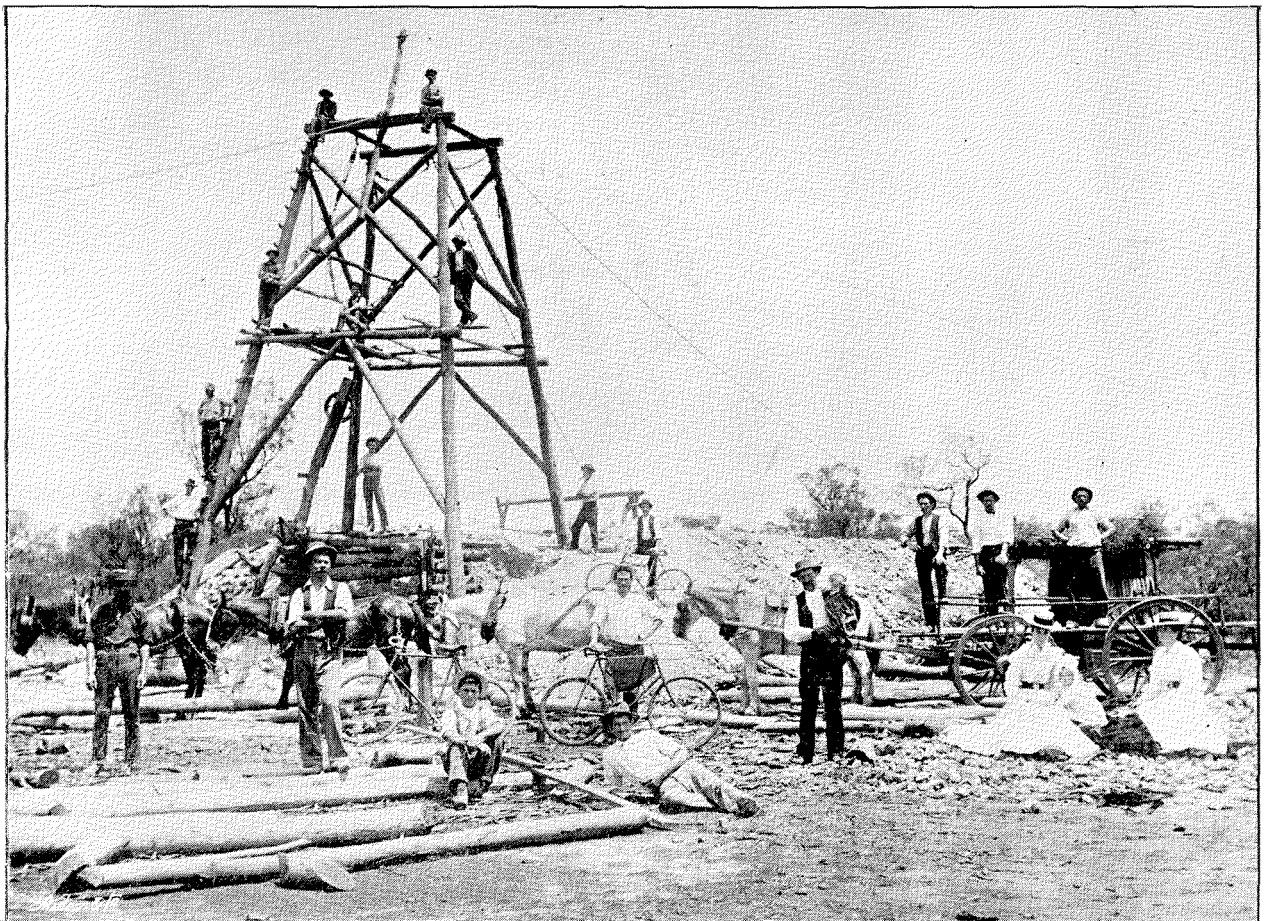
TABLE G.

Mining Revenue, 1899-1900.

	District.	Year 1899.		Year 1900.	
		£	s. d.	£	s. d.
Lease Rental under Goldfields Act	North-East Coolgardie	2,592	2 0	2,311	1 6
Other sources under Goldfields Act	Do.	1,588	9 6	725	4 0
Lease Rental under Mineral Lands Act	Do.	4	5 0	23	16 6
Other sources under Mineral Lands Act	Do.	2	7 0		
Survey Fees (Leases, Areas, etc.)	Do.	911	0 6	553	5 0
Fees (Examination of Engine-drivers)	Do.	117	0 0	83	7 6
Exemption Fees	Do.	515	11 0	283	8 0
Receipts from Public Batteries	Do.	2,493	3 10	54	13 9
Fees under Boiler Inspection Act	Do.	239	0 0	228	0 0
Receipts from all other Sources	Do.	6	7 0	4	15 3
Total Mining Revenue ... ..	...	£8,469	5 10	£4,267	11 6



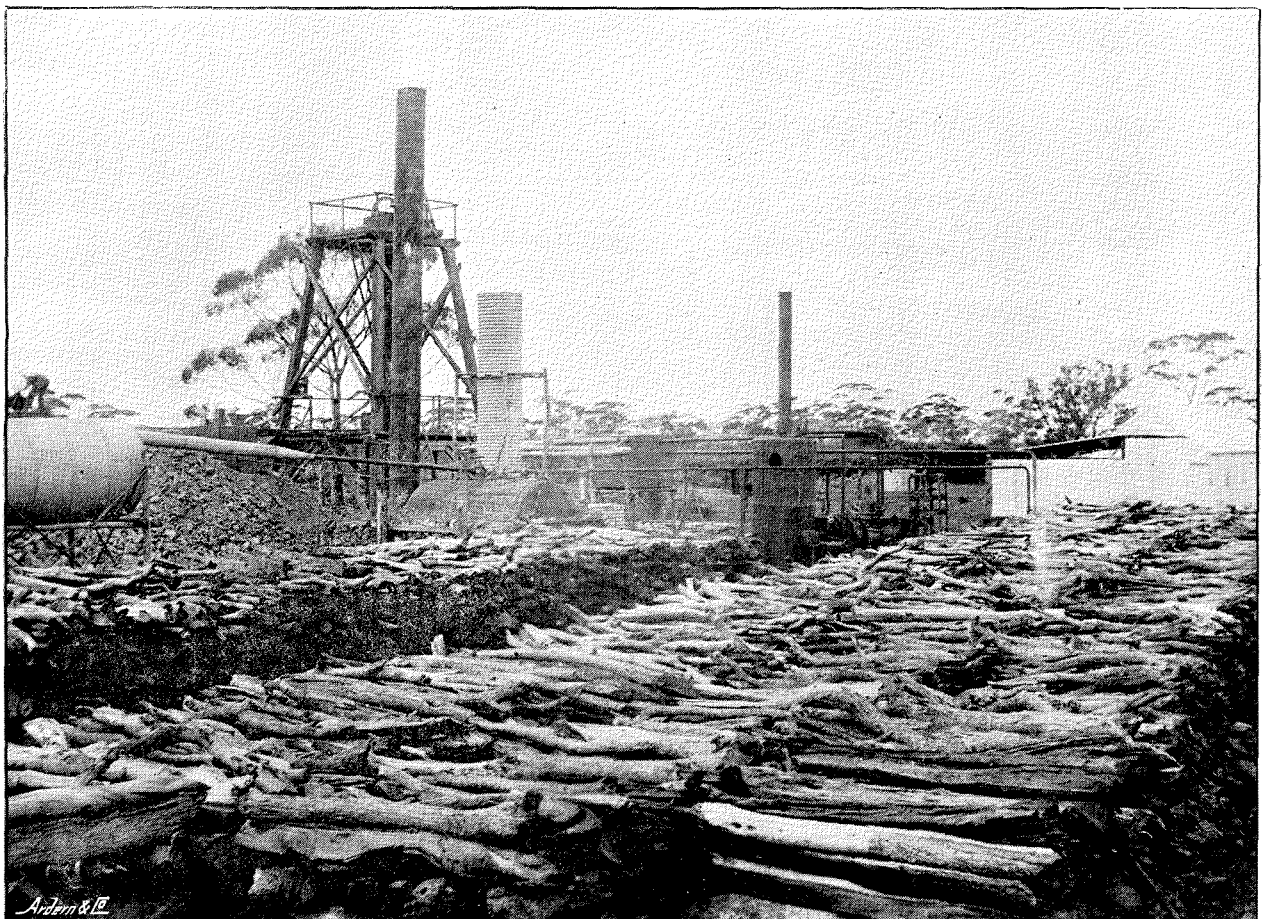
White Feather Reward.
Kanowna, N.E. Coolgardie G.F.



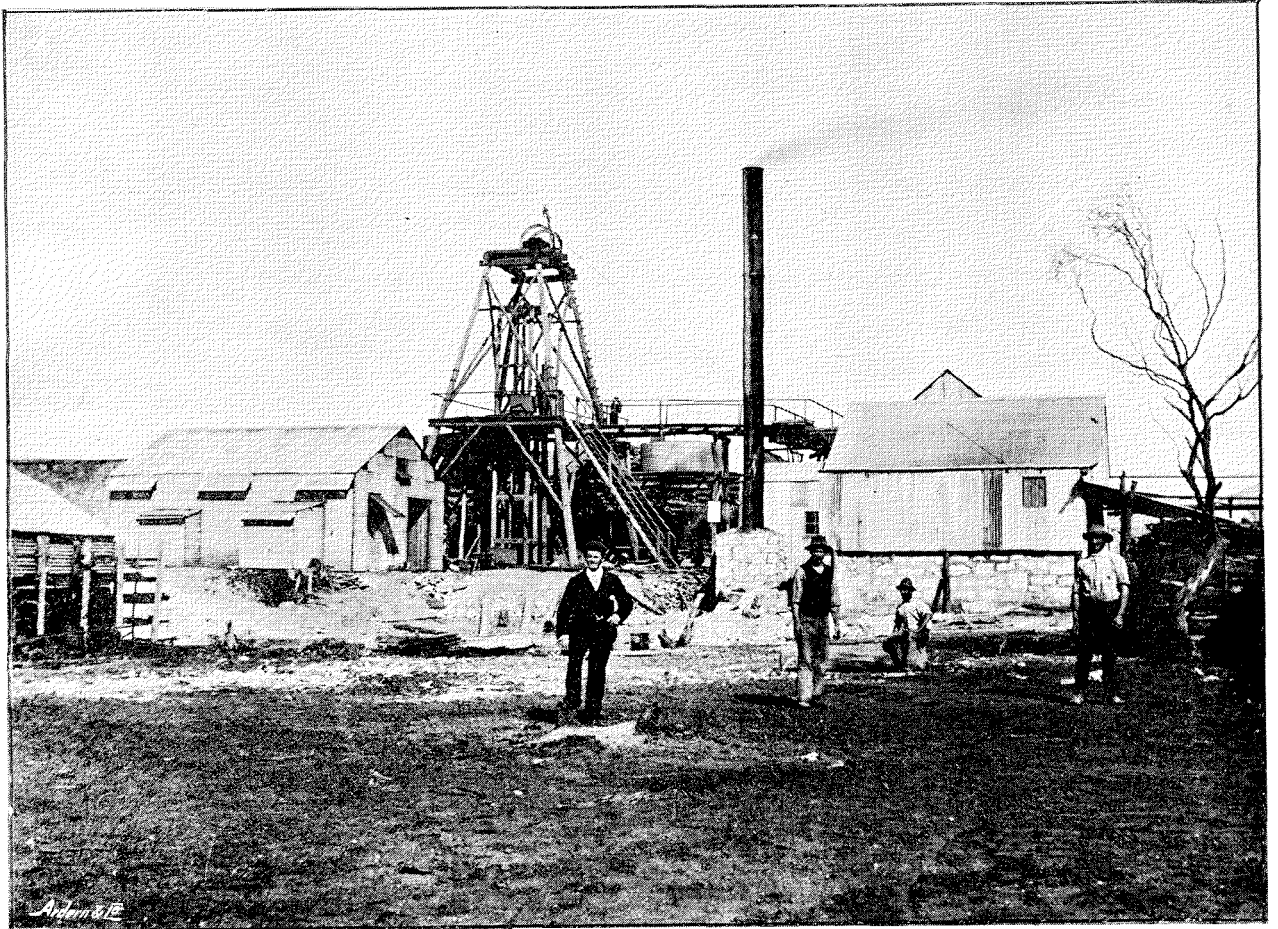
South Gippsland Mine.
Vosperton, N.E. Coolgardie G.F.



Last Chance G. M. Co.
Kanowna, N.E. Coolgardie G.F.



Vosperton G. M. Co.
Kanowna, N.E. Coolgardie G.F.



White Feather Main Reef G. M. Co.
Kanowna, N.E. Coolgardie G.F.



Ballarat G. M. Co.
Kanowna, N.E. Coolgardie G.F.



The Shamrock G. M. Co.
Kanowna, N.E. Coolgardie G.F.



Queen Margaret.
Bulong, N.E. Coolgardie G.F.



Post Office, Kanowna, 1895.
North-East Coolgardie G.F.



Post and Telegraph Office, Kanowna, 1900.
North-East Coolgardie G.F.

TABLE H.
Average Number of Miners employed.

District.	Reef or Lode.		Alluvial.		Total.	
	1899.	1900.	1899.	1900.	1899.	1900.
Kanowna	430	657	1,800	400	2,230	1,057
Bulong	240	178	360	260	600	438
Kurnalpi	48	25	75	115	123	140
Total	718	860	2,235	775	2,953	1,635

TABLE I.
Water Supply during year 1900.

District.	Average depth at which salt water is struck.	Average depth at which fresh or stock water is struck.	Government tanks—Number and contents.	Average rainfall.
Kanowna	feet. 110	feet. 100 (stock)	gals. 1—3,691,800	in. 9·25
Bulong	300	...	1—3,027,155	10·12
Kurnalpi	200	...	...	11·18

TABLE J.
Ruling Rates of Wages during 1900.

	per week,	£ s. d.	£ s. d.
Miners above ground	3 10 0	3 10 0	4 0 0
Miners below ground	3 10 0	4 0 0	6 0 0
Miners wet ground	4 0 0	4 10 0	6 0 0
Engine-drivers	4 10 0	4 0 0	6 0 0
Mechanics	4 0 0	4 0 0	6 0 0
Carpenters	4 0 0	3 3 0	...
Labourers	3 3 0	...	...

TABLE K.
* Yield of Gold for Year ended 1900.

District.	Alluvial.	Dollied and Specimens.	Tons crushed.	Return in ozs.	Total Yield.		Average per ton, exclusive of Alluvial and Specimens.	
					1899.	1900.	1899.	1900.
Kanowna	ozs. 8,931·83	ozs. 1,255·76	59,443·05	37,195·07	ozs. 78,074·01	ozs. 47,382·66	ozs. ·90	ozs. ·63
Bulong	4,312·24	2,470·36	10,858·00	12,429·09	30,427·75	19,211·69	1·01	1·14
Kurnalpi	2,855·50	897·42	439·00	471·21	4,323·69	4,224·13	·99	1·07
Total	16,099·57	4,623·54	70,740·05	50,095·37	112,825·45	70,818·48	·92	·70

* For details, see Mining Statistics.

*Mining Registrar's Report, Bulong, for the year 1900.**From the Mining Registrar, Bulong, to the Warden, Kanowna.*

SIR,

Bulong, 30th November, 1900.

I have the honour to forward you the following Report on the Bulong District for the North-East Coolgardie Goldfield for the last twelve months, in addition to the information contained on the "A" and "B" returns for the same period, which I trust will be of some slight assistance to you in the compilation of your Annual Report for 1900. As the district is a large one, and comprises so many different mining centres, I have thought it advisable to devote a paragraph to each centre in alphabetical order.

Balagundi.—This small township, situated about six miles North-West of Bulong, has been practically deserted for the whole year, except for about half-a-dozen alluvial miners, who eked out an existence till some three or four months ago, when they all left. It was, however, left to D. McCullagh and party to resurrect, as it were, the place, and who, in September last, were fortunate in striking a rich chute of gold in the old Caledonian lease whilst prospecting, and from which, up to the present time, they have extracted 73 ounces by dollying and 72 ounces from 27 tons of ore by battery treatment. They obtained the forfeiture of the Caledonian lease and have since obtained a lease of the same ground, which is now known as Mount Bellew.

This find, of course, attracted considerable interest to the locality, and three other leases have since been applied for, one or two of which are showing payable ore. Most of the leases applied for comprise abandoned leases. There are now between 40 and 50 miners there, including those on reefs and alluvial. The coach runs through daily, from Kalgoorlie to Bulong. A license has been applied for for the old hotel, and the prospects generally, at present, are very encouraging.

Bulong.—This, the principal centre of the district, has had a very quiet existence during the last 12 months; but, although quiet, the population has not decreased to any great extent, the average population being about 600 within a radius of two miles of the Post Office. There are six hotels and one wine and beer saloon, and up till recently three general stores. A mail runs to and from Kalgoorlie daily, the principal public buildings being the Court House, Police Station, and Post Office. It is also supplied with a Council Chambers and Miners' Institute, with a very creditable library attached to the latter. The outside portions of the district are controlled by a recently appointed Roads Board, which has been energetically improving the roads, etc., the principal work being the making of a track from the town to the Queen Margaret Mine. The principal mine in the district is owned by the Queen Margaret G.M. Co., Ltd., who have an area of 132 acres, and which is, at present, under the management of Mr. Wm. Henderson. This company have worked the property continuously during the last twelve months, employing on the average 120 men. The tonnage and yield of gold has increased from 390 tons for 407 ounces in January, about the time Mr. Henderson took charge, to 785 tons for 916 ounces in November.

A very important addition to the already very efficient plant of 20-head of stamps, etc., was made a few months ago in the erection of a pumping plant to cope with the great inflow of water at the 600ft. level, where developments are now in progress, and from which the district, as well as the manager, expect good results. A short history of the working, etc., of the mine, from the manager, is attached hereto, and will afford you more information than I am in a position to do. The other mines on this line of country are the Queen Margaret South, Queen Margaret Central, Queen Margaret No. 1 South, the White Horse, and the Slug Hill, all of which have been continuously worked during the last 12 months. The former crushed a parcel of 100 tons for 205 ounces in January last, but the last crushing only averaged about 3dwts. per ton. The latter, which has been the subject of litigation in regard to the alluvial miners, have been crushing parcels of wash at different periods, with satisfactory results. Several large slugs have been found on this property in the wash, one weighing as much as 20ozs. The other mines, although working continuously, have nothing to report in the way of developments, nor has any ore been crushed from them, and they appear to be awaiting developments at the Queen Margaret before going in for any vigorous development themselves.

The other principal line of country is that known as the Esmeralda and Last Chance. All the leases are owned by working miners, who are not in the position to thoroughly develop the properties; nevertheless, they have worked them continuously during the last 12 months, and have taken out several crushings which have averaged over an ounce to the ton. The last crushing of 28 tons from the Last Chance mine, cleaned up last week, averaged about 30dwts., and a crushing of about 100 tons is now being put through by Coady and party, which is expected to average between two and three ounces to the ton. Indications at present point to a strong rivalry between this and the Queen Margaret line, and I am informed that by deeper sinking the properties improve in value.

Alluvial Mining has been exceptionally dull for the last year. About 70 miners have been working for just about "tucker," slugs being conspicuous by their absence. Most of the gold won has been very fine. The deep leads are practically abandoned, only about three or four claims working for very indifferent results. In fact, I have not received any returns from them for some time.

During the year the Government battery has been removed, through lack of work.

Mount Monger.—At the latter end of last year the prospects of this locality appeared very encouraging, by reason of a large quantity of gold being dollied from a lode formation by Sheehan and party. A rush set in and several leases were applied for. Some of these were refused on account of the existence of alluvial gold, and others have since been withdrawn or abandoned, leaving about four in existence, none of which, however, have reported any returns. There are about 50 men out there at the present time. Early in January Messrs. Fish and Smith made a wonderfully rich discovery at Black Hills (about 15 miles South-East of Bulong). Whilst prospecting for alluvial they struck a lode

formation, which, on sinking about 4ft., disclosed a phenomenally rich chute of gold, from which they obtained over 2,000 ounces. The shaft was continued down to 130ft., without, however, any other rich stone being found, although, from assays, the formation is worth about an ounce to this depth. This find attracted little or no attention outside Bulong, and only two leases were applied for in the locality—a rather disappointing fact, considering the richness of the find. Following on this find, another was made at a place known as the “Sudden Jerk,” some distance from the Black Hills, by Chappell and party, about two months ago. Between 200 and 300 ounces were obtained from it, and a lease of the ground applied for.

About four miles North-East of the Black Hills, four leases, of 12 acres each, are owned by the Majestic Gold Mines Company, who have been employing about 14 men during the year. No crushings have, however, been made during this period.

Taurus.—This centre has been confined solely to alluvial mining during the last 12 months. Several large slugs of 7ozs., 12ozs., and 20ozs. have been unearthed, besides a number of smaller ones, and the locality has supported between 40 and 50 men for the year. It is a difficult matter to obtain the exact amount of gold from this centre, as most of the miners dispose of their gold to the local storekeepers, who do not make inquiries as to whence it came. It is, therefore, all credited to Bulong.

General Remarks.—My report is somewhat longer than I intended, but I have endeavoured to give you as much information as possible. From personal observation and the general expressions of opinion, there appears to be an excellent future before Bulong, and I feel sure that very few places in the Colony afford better indications for prospectors than Bulong; and the recent discoveries made, notably at Balagundi, have all been made in developing old workings; and I do not think that this fact would be confined to the Balagundi centre if other “shows” were properly worked. The great drawback, as in most outside centres, is the want of capital, most of the leases being held by working miners or companies whose finances are not sufficient to enable them to vigorously develop their properties. Deep sinking would, I feel sure, if persevered in, be rewarded with satisfactory results. The past year has been exceptional for the amount of rainfall. At times the luxuriant grass would almost incline one to the belief that it was a splendid pastoral district, and with a regular rainfall I have no doubt it would be, but the hot winds in October and November have scorched up everything and it is now as brown as the proverbial berry. One or two attempts were made to grow vegetables, but the results were not satisfactory, more, I think, on account of the attempts being made too late than the want of good soil.

Two accidents occurred during the year, both terminating fatally; one on the old “Stratford” lease, in which J. W. Pearson was smothered by a fall of earth in an old open cut; and one in the Queen Margaret mine, when Joseph Clewes fell down a “pig-sty” and died, after lingering a couple of days, from the injuries received.

In conclusion, I think the prospects of the district are much brighter at the present time than any portion of the year, and the miners appear to incline more to the reefing branch of mining than the deep alluvial leads, which will ultimately be more permanent and beneficial to the place than any deep lead, however rich, for the former lasts for an indefinite period, whilst the latter is only a matter of months.

I have, etc.,

JAS. A. FLOWER,
Mining Registrar.

Warden's Report on the Peak Hill Goldfield for the year 1900.

The Under Secretary for Mines, Perth.

SIR,

Peak Hill, 1st February, 1901.

I have the honour to forward herewith, for the information of the Hon. the Minister of Mines, my Annual Report on this Goldfield for the year 1900.

During the greater part of the year mining made fair progress, though, I regret to say, the last quarter has shown a falling off, several of the mines at Ravelstone being under exemption. The causes for this are various, but the principal factor is, I take it, want of capital. It is true that those mines that have temporarily closed down did not come up to expectations with their crushings, and, being chiefly held by poor men, would not pay to work at present as low-grade mines.

The instances are few, however, where the leases have been actually abandoned, but the majority of leaseholders express their intention of again working their properties, thereby showing that they have still faith in them. In this I agree with them, as there is good reason to believe that the mines will become richer as depth is attained. The deepest shaft in the Ravelstone District at present is only about 120 feet vertical. The long distance from the coast and heavy cartage rates render mines at present unpayable that could be worked with success under other conditions. Capital is necessary to thoroughly prove these mines, and until we get that our progress will, I am afraid, be but moderate.

I am pleased to be able to report that the Peak Hill Goldfields, Limited, are doing good work; an additional 20-head of stamps (making 40 in all) is nearly erected, and cyanide works are being rapidly erected for the treatment of the large quantity of tailings owned by the company. Other machinery, such as condensers, new boilers, etc., are being put up also. When those works are completed they will cover an area of some 12 or 13 acres, and the manager will be in a position to deal with a large quantity of ore. On the "Patch" a new main shaft of full size is being sunk, new poppet legs (70 feet high) erected, and a fine winding engine also put up. I understand that rock-breakers for breaking the ore as it comes from below will be put up at the main shaft, and the ore will be fed to the battery through automatic feeders, thus saving a good deal of handling and thereby reducing the cost of working. The company are spending a large amount of money in *bonâ fide* work, and I trust, and I have every reason to believe, that their enterprise and confidence in their mines will be fully rewarded by a largely increased output of gold. Their principal difficulty has been an inadequate supply of water, but I believe the manager anticipates that that trouble will soon be overcome.

The yield of gold for 1900 shows a decrease of 4,928ozs., though the tons crushed show an increase of 5,332 tons. This is, of course, to be accounted for by the ore being lower grade. It was hardly to be expected that the high average of former years could be maintained with an increased production. I think, however, that the average for the year—viz., 1.63—will be more than maintained for 1901.

WILGEENA.

About the middle of the year some eight or nine leases were taken up at a place about 12 miles E.S.E. from Peak Hill, known locally as "Wilson's Find," but officially known as "Wilgeena." The gold there is contained in lode formation, and, so far as prospected, is rich. There is, however, not enough work done to be able to pronounce a definite opinion on its value, but those working there are sanguine as to its future. At present, owing to want of water, the leases are under exemption. The country at Wilgeena and the formation is said to closely resemble that on the Brown Hill Mine on the Eastern fields. Little or no alluvial has been obtained in the vicinity of Peak Hill, and it is of course difficult to estimate; but an amount of 180ozs. has, I am informed, passed through the Bank of Australasia here.

The Government battery at Ravelstone got to work in the beginning of the year, and though at first there was a good deal of dissatisfaction expressed by leaseholders with regard to its working, and delays caused in various ways, there is now no cause of complaint. The chief trouble at the end of the year was insufficient supplies of stone to keep the battery in constant work; and this was owing to a number of leases being under exemption from want of funds. I believe, however, that the present year will see a considerable improvement in that way. The battery has been of considerable benefit to the field, but unfortunately got to work when men's funds were exhausted owing to having held on to their properties for a long time without a return, and as a consequence they were unable to carry on unless they got rich crushings. Two or three of the leases here could keep the battery going full time, if the shareholders would work together and put on men to raise ore.

During 11 months of the year the battery has crushed 2,070 tons for a return of 2,059 ounces of gold, an average of about 19dwts. There is, as far as can be known, an ample supply of water in the battery well. Since summer set in the supply of water from the new Government well has largely decreased, so much so that no stock is now supplied there, but only tanks for town use are filled. This decrease is the more curious as, at the same time last year, water was being pumped to waste. However, chiefly owing to exemption on leases, the Ravelstone battery was not in much demand towards the end of the year, and the manager found himself in a position to supply all demands for water; this has proved of great benefit to the community at large.

There is but little surface water about, and that, of course, retards prospecting.

The wells along the Nannine-Peak Hill Road have fairly well maintained their supply, with the exception of Murphy's well, about 10 miles out; but I understand that this is now receiving attention.

The rainfall for the year totalled 25 inches. The bulk of this, however, fell in March and April, those months totalling $18\frac{1}{2}$ inches between them; $4\frac{1}{2}$ inches fell in June, and since then we have had practically none, with the result that the country is looking dry and parched.

During the year 1900, Peak Hill Town Lots to the number of 7 were sold at auction, realising £182.

With the exception of an epidemic of the nature of influenza in January, when we were without a doctor, the health of the people has been good. There were 11 births and 9 deaths, only one of the latter being caused by the goldfields scourge—typhoid fever.

I estimate the population at the end of the year at between 580 and 600 persons, though earlier in the year it was much larger, the exemption obtained by the Horseshoe Goldfields, Limited, having caused a considerable efflux of population from the district.

The maximum shade temperature for the year was 111.8° and the minimum 36.2° .

The mining revenue receipts show (apart from the Government battery receipts) an increase of nearly £700.

Early in May the Horseshoe Goldfields, Limited, a company which had been floated in London in December, 1899, commenced work on the 723 acres held by them at the Horseshoe. A large amount of preliminary development work was done by the manager up to December, and a considerable sum of money expended, giving employment to over 100 men for nine months. I regret to say, however, that in December application was made for exemption; and, as a consequence, the mines there are closed down until 10th March. I am unable to obtain definite information with regard to the resumption of work there, but I trust that strong efforts will be made to work the large area of ground held by this company. In my opinion, the early work done there has not been sufficient to prove these properties, though it was necessary preliminary work, and it is the opinion of many that the properties deserve further exploration.

Owing to the advent of the Company, and the consequent employment of a number of men, quite a number of business and residence areas were taken up at the "Shoe," and buildings erected on these lots. These areas had been previously surveyed, so that no difficulty arose as to boundaries, etc. The closing of the mines and dismissal of miners has, of course, seriously affected the business at the "Shoe," and has necessitated applications for exemption on several of the areas, to enable the owners to look for work. I am pleased to say that only exemption has been asked for, and not abandonment. Should the mines get vigorously to work again, with any success, the Horseshoe should considerably develop in size.

The postmaster at Peak Hill informs me that the Postal and Telegraphic business (especially the latter) showed steady increase through the year, and that the Savings Bank and Money Order business will compare more than favorably with other towns of the same size.

Having now touched generally on the affairs of the field, I conclude with an expression of the hope that my next report will show a largely increased prosperity and progress in all matters pertaining to the welfare of this goldfield.

I have, etc.,

CHAS. U. BAGOT,
Warden Peak Hill Goldfield.

TABLE A.

Applications for Leases etc., under the Goldfields Act.

	Year 1899.	Year 1900.
Number of Gold Mining Leases applied for	68	25
Area of Gold Mining Leases applied for, in acres	1,148	a. r. p. 339 0 20
Number of Gold Mining Leases abandoned, surrendered, or forfeited ...	41	31
Number of Gold Mining Leases refused	4	4
Number of Gold Mining Leases in force	117	120
Area of Gold Mining Leases in force, in acres	1,697	1,744
Number of Water Rights in force	6	6
Area of Water Rights in force, in acres	35	138
Number of Quartz Claims in force	2	2
Number of Alluvial Claims in force	1	2
Number of Protection Areas in force	5	3
Number of Residence Areas in force	4	38
Number of Business Areas in force	5	19
Number of Machine Areas in force ... ..	...	1
Number of Tailings Areas in force	1	1
Number of Garden Areas in force	2	5
Number of Miners' Rights issued during	168	165
Number of Business Licenses issued during	13	18

TABLE B.

Applications for Leases etc., under the Mineral Lands Act.—Nil.

TABLE C.

Table showing Number, Description, and Area of Leases in force.—Nil.

TABLE D.

** List of Ore-reduction Plants.*

Goldfield.	Number of Stamps erected.		Value of Mining Machinery.	
	1899.	1900.	1899.	1900.
Peak Hill	43	40	£ 27,546	£ 32,291

* For details, see Mining Statistics.

TABLE E.
Particulars of Mining Accidents.

	1899.	1900.
Number of men injured	2	7
Number of men killed ... ..	...	...

TABLE F.
Showing Population of Goldfield on 31st December, 1900, as compared with 31st December, 1899.

Goldfield.	Males.		Females.		Total.		Increase.	Decrease.
	1899.	1900.	1899.	1900.	1899.	1900.		
Peak Hill	468	520	63	63	531	583	52	...

TABLE G.
Mining Revenue 1899-1900.

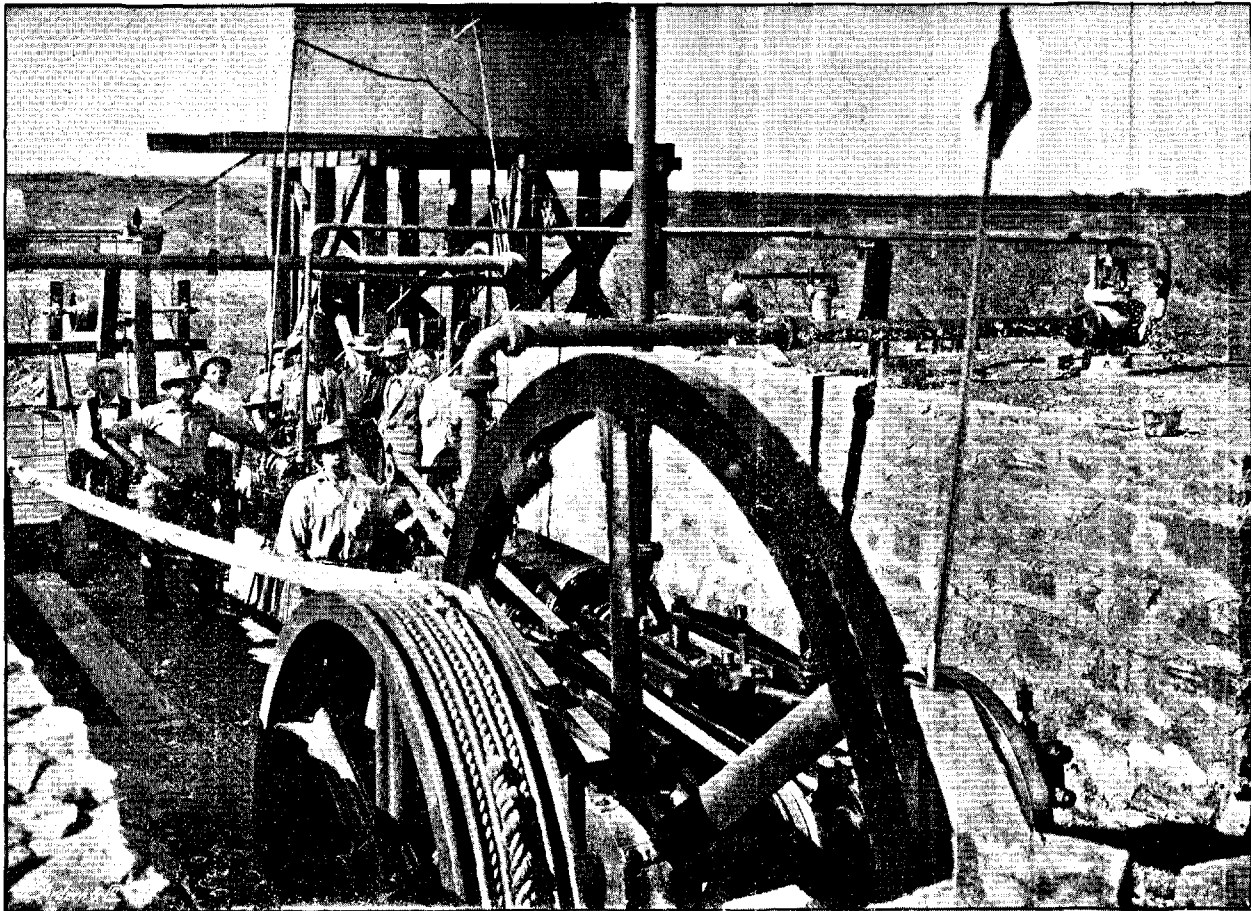
	District.	Year 1899.	Year 1900.
		£ s. d.	£ s. d.
Lease Rental under Goldfields Act	Peak Hill ...	1,273 3 0	1,880 4 0
Other sources under Goldfields Act	Do. ...	379 13 6	408 1 0
Lease Rental under Mineral Lands Act	Do. ...	...	...
Other sources under Mineral Lands Act	Do. ...	...	1 0 0
Survey Fees (Leases, Areas, etc.)	Do. ...	521 10 0	183 10 0
Fees (Examination of Engine-drivers)	Do. ...	7 0 0	4 15 0
Exemption Fees	Do. ...	235 4 0	608 12 0
Receipts from Public Batteries	Do. ...	...	2,071 10 0
Fees under Boiler Inspection Act	Do. ...	11 10 0	12 0 0
Receipts from all other sources	Do. ...	1 12 6	1 3 6
Total Mining Revenue ... ..	...	£2,429 13 0	£5,170 15 6

TABLE H.
Average number of Miners employed.

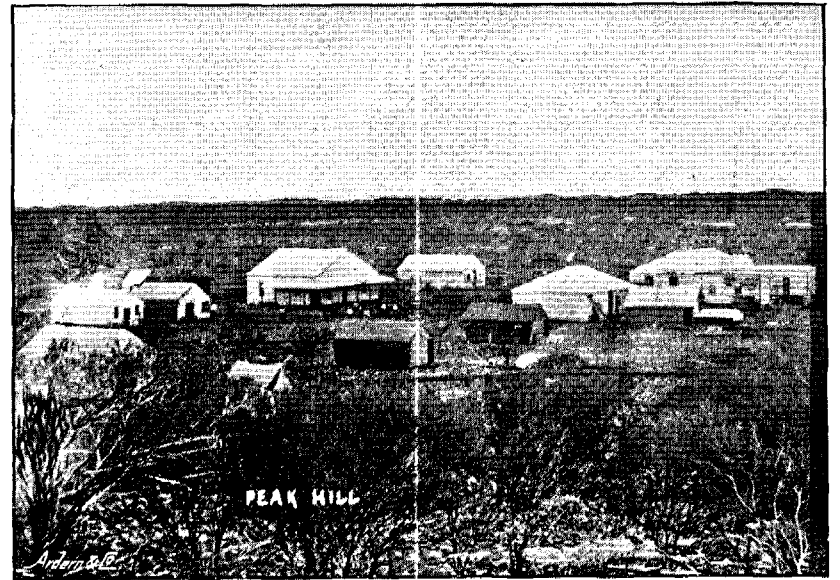
Goldfield.	Beef or Lode.		Alluvial.		Total.	
	1899.	1900.	1899.	1900.	1899.	1900.
Peak Hill	349	354	...	13	349	367

TABLE I.
Water Supply during Year 1900.

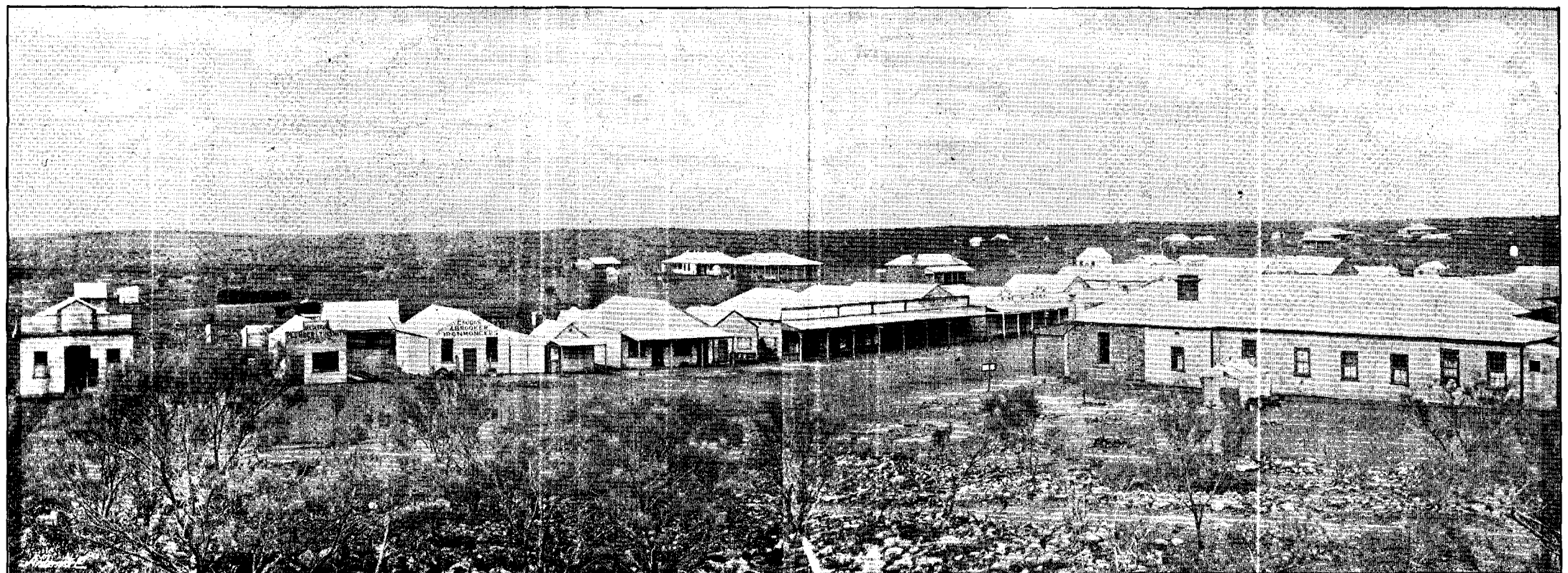
Goldfield.	Average depth at which Salt Water is struck.	Average depth at which Fresh or Stock Water is struck.	Government Tanks :— Number and Contents.	Rainfall.
Peak Hill ... ..	...	...	Nil	25 inches
	Most of wells are fresh. The country being so uneven, it is not easy to give an average depth in a general way.			



Machinery, Peak Hill G.F.



Peak Hill, 1896.
Peak Hill Goldfield.



Peak Hill, 1900.
Peak Hill Goldfield.

TABLE J.
Ruling Rates of Wages during 1900.

	per week,	£	s.	d.
Miners above ground	3	10	0
Miners below ground	4	0	0
Miners wet ground
Engine-drivers	4	10	0
Mechanics	4	10	0
Carpenters	4	10	0
Labourers	3	10	0

TABLE K.
Yield of Gold for Year ended 1900.

Goldfield.	Alluvial.	Dollied and Specimens.	Tons crushed.	Return in Ozs.	Total yield.		Average per ton, exclusive of Alluvial and Specimens.	
					1899.	1900.	1899.	1900.
Peak Hill	ozs. 24·85	16,254·60	26,546·78	ozs. 31,953·65	ozs. 26,571·63	ozs. 2·88	ozs. 1·63

Warden's Report on the Phillips River Goldfield for the year 1900.

The Under Secretary for Mines, Perth.

Ravensthorpe, 26th February, 1901.

SIR,

I have the honour to submit, for the information of the Honourable the Minister, the following Report on the Phillips River Goldfield and Mining District for the year 1900.

The progress which this field has made during the year has been satisfactory, more especially as the leases are held by small syndicates and prospectors. In the majority of leases gold is found in combination with copper, and therefore smelters will be required to treat the ore. Small parcels have been sent to Wallaroo, the results from which have been very satisfactory, returning as high as 39 per cent. of copper.

Very little development work has been done, and the ore up to the present treated has been taken from open cuts and shallow shafts. The deepest shaft in the goldfield is on the Floater (namely, 150ft.), and the results from the samples taken from that depth are very satisfactory.

Great trouble has been experienced owing to the scarcity of water; but, in the opinion of, experienced mining men, large supplies will be struck by sinking.

Two batteries are reported to have been purchased, and will very shortly be erected on the field, which will enable many prospectors here to crush their stone and further develop their leases, which at present are lying idle, owing to their funds being exhausted.

It is proposed to erect smelters at Hopetoun (late Mary Ann Harbour), a distance of 25 miles from Ravensthorpe townsite, which is the centre of the field. The gold in the majority of the reefs is fine. Up to the present no alluvial gold has been found.

The following particulars have been supplied by the managers of the various mines:—

About one mile North of Ravensthorpe townsite are situated Mineral Lease 15, Mt. Cattlin, containing 50 acres; and M.L. 36, Sarah Kingsmill, containing 20 acres.

On the Mt. Cattlin there are two shafts from 16ft. to 62ft. in depth, about 30ft. of crosscutting, and 300ft. costeening. The lode averages 16ft., and at present developments the ore returns 16dwts. of gold and 10 per cent. of copper; sulphides assay 27dwts. of gold and 12 per cent. of copper; diorite country.

On Mineral Lease 36 there are four shafts, varying from 20ft. to 30ft. The lode is about 2½ft. wide, and is valued at 20 per cent. A small supply of salt water has been struck at 30ft., and at present developments the prospects are very encouraging; diorite country.

The group of leases situated about three miles West of Ravensthorpe townsite comprise the Annabell, James Henry, Diamond Jubilee, Bridgetown Gold Mining Leases, and Cousins' Glory and Phillips River Proprietary Mineral Leases.

On the Lucy (late Annabell), there are two shafts from 36ft. to 40ft. in depth, reef 2ft. wide, value 25dwts.; salt water has been struck at a depth of 36ft.; schist country.

James Henry.—This is the most promising lease of the group; there are two shafts from 15ft. to 83ft. in depth, and 12ft. of driving at 83ft. level; width of reef, 3ft.; present value about 3oz.; diorite rock, 22 tons treated returned 72ozs.

Diamond Jubilee.—One shaft has been sunk to a depth of 80ft., reef averages about 2ft. 6in., and the stone raised is valued at 30dwts. On this line of reef there are also the Diamond Jubilee South, Christiana, and Bridgetown leases. Shafts have been sunk on these leases to a depth of 50ft., and payable stone has been struck.

On mineral leases Cousins' Glory and Phillips River Proprietary, shafts have been sunk to water level 36ft.; the reefs average about 2ft., and are valued from 15dwts. to 25dwts.; sulphide ore struck at 36ft.

The Ellendale Mineral Lease 26 is situated about three miles North of Ravensthorpe; there are four shafts sunk from 25ft. to 60ft.; average width of reef 3ft.; value about 30dwts.; value of copper unknown.

About one mile North of the Ellendale is the Main Queen, which is owned by a Melbourne company. Shafts have been sunk from 55ft. to 84ft.; average width of reef, 2ft.; a large dam has been made to conserve water, and a 10-head battery has been ordered.

The Floater leases are situated about three miles North-North-West of Ravensthorpe, and contains 70 acres. There are two shafts sunk from 75ft. to 150ft.; the average width of the reef which has been worked is from 6ft. to 7ft.; country rock, hornblende diorite. About 500 tons of stone have been raised, from which a return of over 3oz. is expected; also a small percentage of copper, which would be payable with smelters on the ground. There is no doubt that at present this is the most valuable property in the district, and should the mine, when she is opened up, prove of equal value in length as in depth, the property will become a very valuable one. No water has yet been struck.

The Grafter, a 24-acre lease, is situated about three miles North of Ravensthorpe. Two shafts have been sunk from 30ft. to 50ft.; the width of reef averages 18in. to 2ft., and is estimated to be worth about 3oz.; about 40 tons of stone has been raised.

HARBOUR VIEW.

About 12 miles South-East of Ravensthorpe is situated the townsite of Harbour View. The country in this vicinity is very promising, and small parcels of ore have been sent, both from the Harbour View lease and the Elverdton, to the smelters in South Australia, and the results have been very satisfactory. The water around this centre is salt, and a condenser has been erected by the Government. The shafts have not at present been sunk to any depth, but the ore taken from the Elverdton was quarried from an open cut. A shaft has now been sunk, and the lode has been struck at a depth of 50ft.

The most promising leases in this centre are the Elverdton, Harbour View, and the Red White and Blue.

About eight miles East of Ravensthorpe is situated the Elverdton, which contains 40 acres; 120 tons of ore have been sent to Wallaroo for treatment; the average value of the lode, which is 4ft. to 5ft. in width, is 25 to 30 per cent. of copper. A shaft has been sunk to a depth of 49ft., at which depth the lode is 4ft. in width. The crushing has been taken from an open cut, 100ft. in length, 4ft. in width, and 14ft. in depth, and there are another 200 tons ready for treatment. A small parcel was sent to the smelters by the prospectors, which yielded 39 per cent. of copper; country rock porphyry.

The Red White and Blue is situated at Harbour View, and contains 50 acres. One shaft has been sunk to a depth of 95ft. and the lode has been traced along the surface by a considerable amount of costeening, width of lode about 11ft., a small parcel of 10 tons has been sent to Wallaroo, which returned 29 per cent. of copper, and 7dwts. of gold.

Harbour View contains 50 acres. Two shafts have been sunk from 12ft. to 80ft.; a small amount of costeening has been done, which has exposed a lode 4ft. wide, prospecting about two ounces. At the 70ft. level there is a drive 32ft. North; width of reef, about 18in.; value, 20 per cent. copper and 30dwts. of gold. The lode in the shaft averages about 4ft.; 23 tons have been treated, yielding 34ozs. of gold, 30.6 per cent. copper, and 161ozs. of silver. All the country in this vicinity is held under the Mineral Lands Act.

I have, etc.,

F. W. SPENCE,

Warden, Phillips River.

26th February, 1901.

TABLE A.

Applications for Leases, etc., under the Goldfields Act.

	Year 1899.	Year 1900.
Number of Gold Mining Leases applied for	2	25
Area of Gold Mining Leases applied for, in acres	42	600
Number of Gold Mining Leases abandoned, surrendered, or forfeited	<i>Nil</i>	<i>Nil</i>
Number of Gold Mining Leases refused	<i>Nil</i>	<i>Nil</i>
Number of Gold Mining Leases in force ... ..	...	5
Area of Gold Mining Leases in force, in acres ... ..	...	114
Number of Water Rights in force	<i>Nil</i>	8
Area of Water Rights in force, in acres ... ..	...	29
Number of Quartz Claims in force ... ..	...	<i>Nil</i>
Number of Alluvial Claims in force ... ..	...	...
Number of Protection Areas in force ... ..	...	1
Number of Residence Areas in force ... ..	...	16
Number of Business Areas in force ... ..	...	51
Number of Machine Areas in force ... ..	...	<i>Nil</i>
Number of Tailing Areas in force ... ..	...	...
Number of Garden Areas in force ... ..	...	...
Number of Miners' Rights issued during	3	145
Number of Business Licenses issued during ... ..	...	47

TABLE B.

Applications for Leases, etc., under the Mineral Lands Act.

	Year 1899.	Year 1900.
Number of Mineral Leases applied for	16	91
Area of Mineral Leases applied for, in acres	1,565	3,045
Number of Mineral Leases abandoned, surrendered, or forfeited	2	15
Number of Mineral Leases refused ... ..	...	1
Number of Mineral Leases in force	5	53
Area of Mineral Leases in force, in acres	750	2,265
Number of Water Rights in force ... ..	...	...
Area of Water Rights in force, in acres ... ..	...	...
Number of Lode Claims in force ... ..	...	...
Number of Alluvial Claims in force ... ..	...	...
Number of Protection Areas in force ... ..	...	5
Number of Residence Areas in force ... ..	...	...
Number of Business Areas in force ... ..	...	10
Number of Machine Areas in force ... ..	...	...
Number of Tailings Areas in force ... ..	...	...
Number of Garden Areas in force ... ..	...	...
Number of Mining Licenses issued during ... ..	...	178
Number of Quarry Licenses issued during	<i>Nil</i>	...
Number of Business Licenses issued during ... ..	...	20

TABLE C.

Table showing Number, Description, and Area of Mineral Leases in force.

Description of Minerals.	District.	Number of Leases.		Area in Acres.	
		1899.	1900.	1899.	1900.
Copper	Phillips River	5	23	750	831
Silver and Copper	Do. ... ..	...	1	...	24
Copper and other Minerals	Do. ... ..	...	29	...	1,410
Total ... ..	...	5	53	750	2,265

TABLE D.
List of Ore-reduction Plants.

Goldfield.	Number of Stamps erected.		Value of Mining Machinery.	
	1899.	1900.	1899.	1900.
Phillips River	Nil	Nil	Nil	Nil

TABLE E.

Particulars of Mining Accidents.

Number of men injured	1899.	1900.
	Nil	Nil
Number of men killed	Nil	Nil

TABLE F.

*Showing Population of each Mining Centre on 31st December, 1900,
as compared with 31st December, 1899.*

Mining Centre.	Males.		Females.		Total.		Increase.	Decrease.
	1899.	1900.	1899.	1900.	1899.	1900.		
Ravensthorpe ...		300		10		310		...
Mount Desmond	70	50	2	3	72	53	314	...
Mary Ann Har- bour		20		3		23		...
Total ...	70	370	2	16	72	386	314	...

TABLE G.

Mining Revenue, 1899-1900.

	District.	Year 1899.	Year 1900.
Lease Rental under Goldfields Act	£ s. d.	£ s. d.
Other sources under Goldfields Act	328 0 0
Lease Rental under Mineral Lands Act	333 4 0
Other sources under Mineral Lands Act	676 18 9
Survey Fees (Leases, Areas, etc.)	226 10 0
Fees (Examination of Engine-drivers)	949 10 0
Exemption Fees	62 14 0
Receipts from Public Batteries
Fees under Boiler Inspection Act
Receipts from all other sources	1 19 9
Total Mining Revenue	£2,578 16 6

TABLE H.
Average Number of Miners employed.

Goldfield.		Reef or Lode.		Alluvial.		Total.	
		1899.	1900.	1899.	1900.	1899.	1900.
		Phillips River	...	58
	On Gold Mining Leases	...	58	...	...	...	58
	On Mineral Leases other than for Gold Mining	...	107	...	...	...	107
	Total	...	165	...	...	...	165

TABLE I.
Water Supply during Year 1900.

Goldfield.	Average depth at which Salt Water is struck.	Average depth at which Fresh or Stock Water is struck.	Government Tanks: Number and Contents.	Average Rainfall.
Ravensthorpe	40ft.	30ft.	1 condenser, 3 boilers	14.74
Mary Ann Harbour	25ft.	10ft.		
Harbour View	...	...	1 condenser	
Mt. Desmond	...	...	2 boilers	

TABLE J.
Ruling Rates of Wages during 1900.

Miners above ground	per week,	£	s.	d.
Miners below ground		3	0	0
Miners wet ground		3	10	0
Engine-drivers		4	0	0
Mechanics		4	0	0
Carpenters		4	0	0
Labourers		3	0	0

TABLE K.
Yield of Gold for Year 1900.

Goldfield.	Alluvial.	Dolled and Specimens.	Tons crushed.	Return in ozs.	Total Yield.		Average per ton, exclusive of Alluvial and Specimens.	
					1899.	1900.	1899.	1900.
Phillips River	...	ozs.	...	...	...	ozs.	...	...
		39.00				39.00		

By product from 34 tons cupriferous ore, which also returned 185ozs. silver.

Warden's Report on the Pilbarra Goldfield for the year 1900.

To the Under Secretary for Mines, Perth.

SIR,

For the information of the Hon. the Minister, I have the honour to report as follows on the Pilbarra Goldfield for the year 1900:—

The field, as a whole, during the year has maintained its position; the gold output being very satisfactory, considering that very little outside capital has been expended in the development of the mines. There were only two companies (holding leases at Bamboo Creek) operating, and they did very little work, being crippled for want of capital.

The principal gold-producing centre was Warrawoona. The total gold output from the whole field for the year was 16,616·85ozs., whereof Warrawoona contributed 5,320·69ozs. The average yield per ton for the whole field was 2·42ozs. The average yield per ton for Warrawoona was 2·72ozs. From the whole field 6,173·71 tons were crushed, for a return of 15,000·39ozs., making the average production of gold 135ozs. per man of miners employed.

After Warrawoona, Lalla Rookh comes second as a gold-producing centre, with 2,394·85ozs. from 700 tons of stone, giving an average of 3·42ozs. per ton.

Nullagine takes third place, with a yield of 2,177·45ozs. from 929·10 tons of stone treated, giving an average of 2·34ozs. per ton.

Sandy Creek takes fourth place, with a yield of 1,338·40ozs. from 552·70 tons of stone treated giving an average of 2·42ozs. per ton.

The reefs in what is called the 40-Mile country, situated East of Nullagine, were prospected and tried, and fair results obtained; the battery at Mosquito Creek (subsidised by the Government) and the Middle Creek battery having been of great assistance.

A new find was reported by Angus McPhee on the 28th November, and a Reward and four ordinary Gold Mining Leases applied for. The find is situated about 25 miles South of Braeside Station, on the Boodalyerrie Creek, and not far distant from the Oakover River. A rush set in, and at one time about 200 men were there; but, outside the reefs that the prospectors secured, nothing startling was discovered. Some alluvial gold was obtained in the gullies.

The Marble Bar Tinfield was worked during the whole of the year, and 323·87 tons of black tin were reported as obtained; but as there were a number of alluvial diggers working who obtained tin, of which no record can be got, the total output must have been much larger.

The Coollegong Tinfield was discovered in August. It is situated about 45 miles South-West of Marble Bar, and about 12 miles North-West from the Shaw Tinfield. So far, no lodes have been discovered there, but the field has yielded about 64 tons of black tin, as far as can be ascertained from the buyers. It supported a population of about 60 men.

The Pilbarra Goldfield, although very promising, has not been prospected to any extent. It is somewhat remote from the more populated parts of the State, and the imperfect communication and the consequent expense of transport has prevented a good many prospectors from coming. The cost of haulage from the Southern markets, causing living to be very expensive, is another drawback. The greatest difficulty of all in connection with mining on a large and systematic scale will be the scarcity of fuel and mining timber, which will never be overcome without cheaper means of transport from the coast being obtained.

Applications for Gold Mining Leases show an increase on the previous year.

The revenue derived from the field, taking into account rents, etc., that were paid into the head office, is equal to previous years, internal and land revenue being decidedly on the increase.

The health of the field has been good, and I have no mining accidents to report.

The pastoralists have had another good year, and any number of applications for leases of pastoral country have been received.

Detailed information in connection with the field is given in the set of tables attached hereto.

I have, etc.,

AXEL OSTLUND,

Warden, Pilbarra Goldfield.

Marble Bar, 6th February, 1901.

TABLE A.

Applications for Leases, etc., under the Goldfields Act.

	Year 1899.	Year 1900.
Number of Gold Mining Leases applied for	25	47
Area of Gold Mining Leases applied for, in acres	184	447
Number of Gold Mining Leases abandoned, surrendered, or forfeited	79	12
Number of Gold Mining Leases refused	1	1
Number of Gold Mining Leases in force	58	59
Area of Gold Mining Leases in force, in acres	472	529
Number of Water Rights in force	10	17
Area of Water Rights in force, in acres	7	21
Number of Quartz Claims in force	63	77
Number of Alluvial Claims in force	Nil	Nil
Number of Protection Areas in force	35	67
Number of Residence Areas in force	83	118
Number of Business Areas in force	20	38
Number of Machine Areas in force	15	21
Number of Tailings Areas in force	5	5
Number of Garden Areas in force	9	13
Number of Miners' Rights issued during	430	352
Number of Business Licenses issued during	23	21

TABLE B.

Applications for Leases, etc., under the Mineral Lands Act.

	Year 1899.	Year 1900.
Number of Mineral Leases applied for	42	16
Area of Mineral Leases applied for, in acres	1181	482
Number of Mineral Leases abandoned, surrendered, or forfeited	16	12
Number of Mineral Leases refused	1	9
Number of Mineral Leases in force	18	21
Area of Mineral Leases in force, in acres	901	756
Number of Water Rights in force	1	1
Area of Water Rights in force, in acres	2	2
Number of Lode Claims in force (Reward Claim)	...	1
Number of Alluvial Claims in force	...	1
Number of Protection Areas in force	2	1
Number of Residence Areas in force	...	Nil
Number of Business Areas in force	...	Nil
Number of Machine Areas in force	...	Nil
Number of Tailings Areas in force	...	Nil
Number of Garden Areas in force	...	Nil
*Number of Mining Licenses issued during	103	140
Number of Quarry Licenses issued during	...	Nil
Number of Business Licenses issued during	...	Nil
Number of Washing Areas in force	2	1
Area of Washing Area in force, in acres	2	2 ac. 1 rd.

* One Consolidated Mining License.

TABLE C.

Table showing Number, Description, and Area of Mineral Leases in force.

Description of Minerals.	District.	Number of Leases.		Area in Acres.	
		1899.	1900.	1899.	1900.
Tin	Marble Bar	15	21	551	756
Diamonds	Nullagine	2	...	300	...
Copper	Marble Bar	1	...	50	...
	Total	18	21	901	756

TABLE D.

* List of Ore-reduction Plants.

District.	Number of Stamps erected.		Value of Mining Machinery.	
	1899.	1900.	1899.	1900.
Marble Bar	†80	†80	£ 30,680	£ 26,147
Nullagine	30	35	7,500	10,400
Total	110	115	£38,180	£36,547

* For details, see Mining Statistics.

† Also 2 Tremain Mills.

TABLE E.

Particulars of Mining Accidents.

Number of Men injured	1899.	1900.
Number of Men killed	1	Nil.
	1	Nil.

* TABLE F.

Showing Population of each District on 31st December, 1900, as compared with 31st December, 1899.

District.	Males.		Females.		Total.		Increase.	Decrease.
	1899.	1900.	1899.	1900.	1899.	1900.		
Marble Bar	557	720	49	50	606	770	164	...
Nullagine	270	225	1	7	271	232	...	39
Total	827	945	50	57	877	1,002	125	...

* From information supplied by police.

TABLE G.

Mining Revenue, 1899-1900.

	District.	Year 1899.		Year 1900.	
		£	s. d.	£	s. d.
Lease Rentals under Goldfields Act	Pilbarra ...	525	4 0	533	16 0
Other sources under Goldfields Act	Do. ...	567	7 0	479	2 0
Lease Rental under Mineral Lands Act	Do. ...	226	18 9	259	10 0
Other sources under Mineral Lands Act	Do. ...	95	15 0	86	19 0
Survey Fees (Leases, Areas, etc.)	Do. ...	404	0 0	380	0 0
Fees (Examination of Engine-drivers)	Do. ...	...	...	...	...
Exemption Fees	Do. ...	137	9 0	137	17 0
Receipts from Public Batteries	Do. ...	...	...	...	...
Fees under Boiler Inspection Act	Do. ...	...	...	...	...
Receipts from all other Sources	Do. ...	1	14 0	3	6 3
Total Mining Revenue ... ..	...	£1,958	7 9	£1,880	10 3

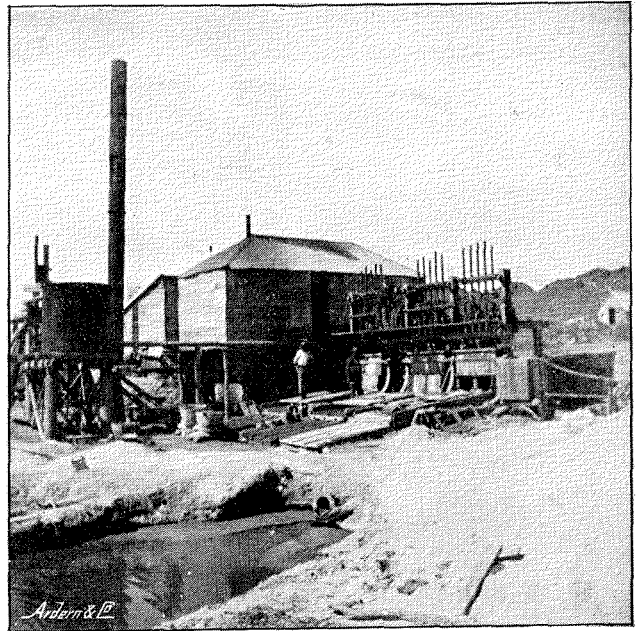
TABLE H.

Average Number of Miners employed.

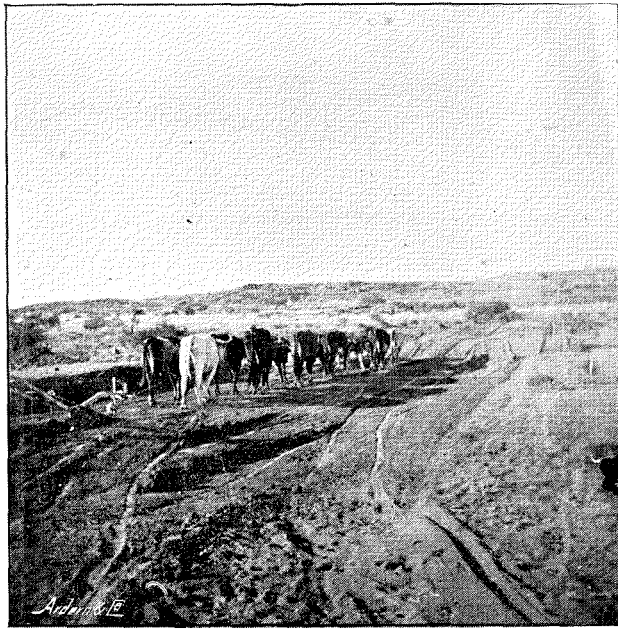
District.	Reef or Lode.		Alluvial.		Total.	
	1899.	1900.	1899.	1900.	1899.	1900.
Marble Bar { Gold... ..	124	67	150	88	274	155
	...	...	...	49	...	49
Nullagine—Gold	116	44	20	89	136	133
Total	240	111	170	226	410	337



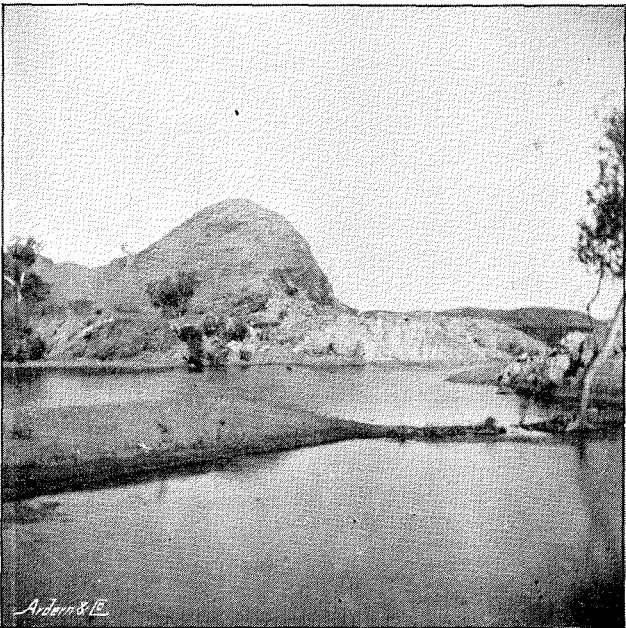
Gauntlet.
Warrawoona, Pilbarra G.F.



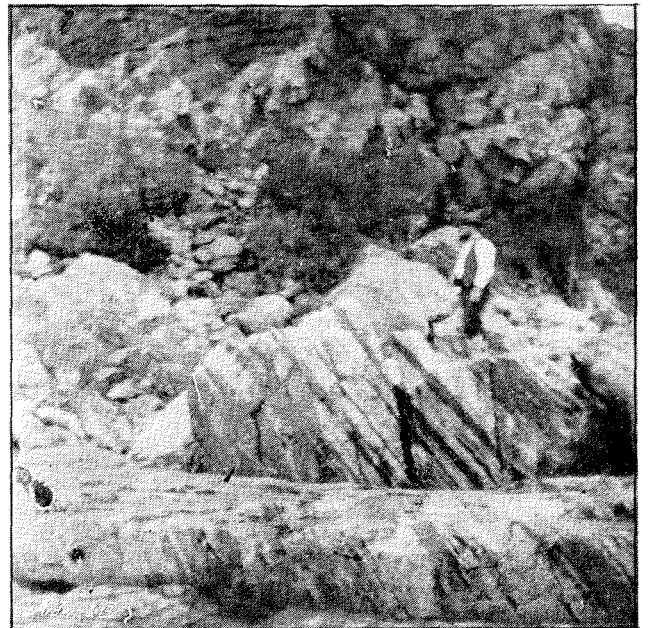
Ironclad Battery.
Warrawoona, Pilbarra G.F.



Ploughing Tin Wash.
Marble Bar Tinfields, Pilbarra G.F.



Marble Bar.
Pilbarra G.F.



Marble Bar.
Pilbarra G.F.

TABLE I.
Water Supply during Year 1900.

District.	Average depth at which Salt Water is struck.	Average depth at which Fresh or Stock Water is struck.	Government Tanks—Number and Contents.	Average Rainfall.
Marble Bar	30 feet	No tanks in district	* 18·43
Nullagine	50 feet	No tanks in district	15·61

* Fell during the year.

TABLE J.
Ruling Rates of Wages during 1900.

	per week,	£	s.	d.
Miners above ground	4	0	0
Miners below ground	4	0	0
Miners wet ground	4	10	0
Engine-drivers	4	10	0
Mechanics	5	0	0
Carpenters	5	0	0
Labourers	4	0	0

* TABLE K.
Yield of Gold for Year ended 1900.

District.	Alluvial.	Dolled and Specimens.	Tons crushed.	Return in Ozs.	Total yield.		Average per ton, exclusive of Alluvial and Specimens.	
					1899.	1900.	1899.	1900.
Marble Bar	ozs. 1,500·54	ozs. 77·92	4,249·66	10,508·59	ozs. 13,381·49	ozs. 12,087·05	ozs. 2·06	ozs. 2·47
Nullagine	27·00	11·00	1,924·05	4,491·80	5,910·49	4,529·80	2·15	2·33
Total	1,527·54	88·92	6,173·71	15,000·39	19,291·98	16,616·85	2·09	2·42

* For details, see Mining Statistics.

TABLE L.
Yield of Minerals other than Gold for Year ended 1900, as compared with 1899.

District.	Description of Minerals.	1899.		1900.	
		Quantity.	Value.	Quantity.	Value.
Marble Bar	Black Tin	tons. 57·50	£ 3,612	tons. 387·87	£ 27,174
Nullagine	Diamonds ... ..	...	...	*	24
		...	3,612	...	27,198

* 25 small diamonds, weight in carats unknown.

*Acting Warden's Report on the West Pilbarra Goldfield for the Year 1900.**The Under Secretary for Mines, Perth.*

SIR,

I have the honour to hand you, herewith, the annual Report on this field, and with regret have to record the fact that our gold mines have not in any way progressed during the period under review. If some scheme were devised by which the Government could offer assistance to mine owners in deep sinking, I feel sure that good results would follow.

Our copper mines have not made very substantial progress during the year, but they are now giving promise of better results. The Balla Balla Copper Mines at Mons Cupri hope to begin smelting shortly, and should give good returns. The Whim Well Copper Mine at Whim Well, should, during the next few months, give regular employment to a large number of men. Unfortunately, good miners are very scarce here. Both Balla Balla and Whim Creek are wanting men, but none are available. At Croydon things are hung up, waiting a larger pump.

At Pilbarra there are a number of men getting good gold (alluvial); very little is said about it, but the same men have been there for some time past, and are always getting a little. Sometimes a fairly big slug is got, but the men are not too communicative. At The Nicol also, there are some men getting good returns; and I am inclined to think, if good systematic work was carried out there, that good payable results would be obtained.

I have, etc.,

A. MADDEN,

Warden.

Roebourne, 22nd April, 1901.

THE EMPRESS GOLD MINING COMPANY (HONG KONG).

This mine is at present under exemption (which will expire in June next) to enable the manager to go to London in connection with a proposal to reconstruct.

This property has all along been consistently worked. Four shafts have been put down, one 116 feet, three others averaging 50 feet each, and about 200 feet of driving has been done. They have a really good plant—a 10-head battery, engine, pumping and winding gear, which cost about £4,000, and they have expended about £4,500 on wages.

250 tons of stone were crushed, yielding 2oz. to the ton; and, owing to the influx of water, further sinking cannot be gone on with until a larger pump is obtained.

The whole plant is in good order, and work could be resumed without any delay.

THE NATIONAL COPPER MINE, CROYDON.

(ORIGINALLY KNOWN AS "THE EVELYN" COPPER MINE.)

Area, 24 Acres.

This property has lately changed hands. It is now owned by the British Exploration of Australasia Co., Ltd.

At present the mine is under exemption, owing to influx of water. Work had to be stopped pending the erection of a larger pump. This is now on its way from Fremantle, and should be in position very shortly, when work will be pushed on rapidly.

Good work has been done here; five shafts have been sunk to a depth averaging about 60 feet; three are down to water.

The quality of the ore at this mine is good. A small shipment sent away a few months ago went about 23 per cent. to 25 per cent.

The management appears to have every desire to push on with the work, and are adding to their properties, and I should not be at all surprised if "Croydon District" came to the front ere very long. I am told by men that should know that not only does copper abound there, but also that the country around there is well worth prospecting for gold; the difficulty would be water. Camels would be required to prospect it properly.

THE WHIM WELL COPPER MINE,*Situate at Whim Well, about 53 miles from Roebourne.*

This mine is a thoroughly good one, and is under offer to an English syndicate. If the sale is completed, it means that a large number of men will be at once put on, and development work pushed on rapidly.

During the past two years Mr. C. H. Powell, manager for the lessees, has got out about 2,000 tons of ore, yielding a handsome profit.

THE BALLA BALLA COPPER MINES, LIMITED.*Area, 170 Acres.*

Capital £250,000, with a working capital of £50,000, £35,000 of which is paid up.

Situate at Mons Cupri, 50 miles from Roebourne and about 4 miles from Whim Creek. The Egina mine, about 40 miles Eastward of Whim Creek, is included in this property. Taken together, this should be a valuable property. The ore at Egina has so far averaged about 25 per cent., and it also carries

some gold. At Mons Cupri the general character of the ore is not of a very high grade; it averages about 8 to 10 per cent., but there is a good sprinkling of ruby oxide on the mine, which largely compensates for any very low grade ore. During the period under review a fair amount of development work has been done, but since the smelters arrived on the ground most attention has been given to their erection. Owing to the very frequent delays in the transit from London, anything but satisfactory progress was made; however, everything is now to hand, and the work is nearing completion. The manager (Capt. Jeffreys) hopes to be able to begin smelting in about two weeks' time, when, he informs me, it is intended to put through all the ore at grass. As there is a large quantity of ore on the surface and already raised, the smelters should be kept going pretty constantly for the next five months, and this will give some tangible proof of the progress of the district, so far as copper is concerned.

TOWRANNA GOLD MINES OF WESTERN AUSTRALIA, LIMITED,

Situate about 55 miles from Roebourne.

This mine is now shut down, and the machinery and plant advertised for sale.

I visited this property in November last, and from what I then saw was of opinion, and am still, that if worked with strict economy the mine would pay; but certainly not with a manager at £1,500 per annum and other officers receiving proportionate salaries.

A large amount of capital has been expended on the mine, and it is to be regretted that the board of directors in London did not feel disposed to risk a few thousands more on further prospecting—that is on actual labour. Had they done so they might probably have got some of their money back.

Certainly the country is hard, and the reefs running flat make the working a little more expensive, but as several shafts have been sunk to a depth of, one about 170 feet, the others averaging about 80 to 90 feet, and a lot of driving has been done, a party of miners could start right away in quartz. About 1,100 tons of stone have been crushed, giving an average yield of about 1oz. to the ton; the last crushing of about 50 tons went 1½oz., and I believe more could be got giving the same results.

THE GOLDEN PILE GOLD MINE.

This property, which is situated about three miles from Roebourne, has been worked for a few months during the year under review. A small crushing of 10 tons was got out, which was payable, but the mine is now abandoned.

This mine has had a fitful career. It booms for a few months, and then subsides.

Some exceedingly good prospects have been got on the property, and, from what I gather in talking to persons who have been interested in the various different syndicates who have worked the mine, I am at a loss to understand why a strong local syndicate has not been formed to take up the property and thoroughly prospect it. Being so close to the town, it could be worked at a small cost.

I believe there is some talk of taking it up again very shortly. If the promoter gets the right crowd with him, we may look for better results during the year. I believe the gold is there, as every party has got something, but the work done is not sufficiently progressive. The shaft should be sunk another 100 feet at the very least. If this were done, I feel sure that payable results would follow.

Work at The Nicol is still progressing steadily. Mr. Tozer is now about erecting a small battery on his mine to crush the ore. He hopes to have this in position very shortly, when he will be able to give some practical idea of what the quality of the stone is. He speaks very encouragingly of the prospects, and we all trust they may be even better than he anticipates. Some few years ago The Nicol was the scene of a small rush, and several good things were found, but things settled down again, and it is now left to a few fossickers; but they all appear to be getting something, much or little, and are quite satisfied to go pottering on, hoping for something big to turn up.

TABLE A.

Applications for Leases, etc., under the Goldfields Act.

	Year 1899.	Year 1900.
Number of Gold Mining Leases applied for	7	4
Area of Gold Mining Leases applied for, in acres	72	60
Number of Gold Mining Leases abandoned, surrendered, or forfeited	1	3
Number of Gold Mining Leases refused	...	...
Number of Gold Mining Leases in force	9	13
Area of Gold Mining Leases in force, in acres	101	161
Number of Water Rights in force	...	...
Area of Water Rights in force, in acres	...	...
Number of Quartz Claims in force	1	...
Number of Alluvial Claims in force	...	...
Number of Protection Areas in force	5	2
Number of Residence Areas in force	14	9
Number of Business Areas in force	14	11
Number of Machine Areas in force	3	1
Number of Tailings Areas in force	...	...
Number of Garden Areas in force	1	...
Number of Miners' Rights issued during	121	56
Number of Business Licenses issued during	14	11

TABLE B.
Applications for Leases, etc., under the Mineral Lands Act.

	Year 1899.	Year 1900.
Number of Mineral Leases applied for	9	7
Area of Mineral Leases applied for, in acres	315	158
Number of Mineral Leases abandoned, surrendered, or forfeited	12	2
Number of Mineral Leases refused ... ..	...	...
Number of Mineral Leases in force	16	20
Area of Mineral Leases in force, in acres	499	551
Number of Water Rights in force	2	...
Area of Water Rights in force, in acres	6	...
Number of Lode Claims in force ... ..	...	...
Number of Alluvial Claims in force... ..	...	...
Number of Protection Areas in force	4	1
Number of Residence Areas in force... ..	6	6
Number of Business Areas in force	2	4
Number of Machine Areas in force ... ..	...	...
Number of Tailings Areas in force ... ..	...	...
Number of Garden Areas in force	1	1
Number of Mining Licenses issued during	47	32
Number of Quarry Licenses issued during ... ..	...	...
Number of Business Licenses issued during	1	4

TABLE C.

Table showing Number, Description, and Area of Mineral Leases in force.

Description of Minerals.	District.	Number of Leases.		Area in Acres.	
		1899.	1900.	1899.	1900.
Copper	Croydon	1	2	40	64
"	Egina	2	2	40	40
"	Near Roebourne	2	2	29	29
"	Maitland River ... ..	...	1	...	18
"	Whim Creek	5	7	235	265
"	Upper Nicol	1	...	40	...
Fluxing Leases	Whim Creek	4	4	75	75
Silver, Copper, and Lead	Mt. Negri	1	2	40	60
Total ... ..	...	16	20	499	551

TABLE D.

** List of Ore-reduction Plants.*

Goldfield.	Number of Stamps erected.		Value of Mining Machinery.	
	1899.	1900.	1899.	1900.
West Pilbarra	‡20	‡30	£ 9,315	£ 12,875

* For details, see Mining Statistics.

† One Tremain, one Prospecting Mill.

‡ One Tremain.

TABLE E.

Particulars of Mining Accidents.

	1899.	1900.
Number of Men injured	Nil	Nil
Number of Men killed	Nil	Nil

TABLE F.

Showing Population of each District on 31st December, 1900, as compared with 31st December, 1899.

District.	Males.		Females.		Total.		Increase.	Decrease.
	1899.	1900.	1899.	1900.	1899.	1900.		
Balla Balla	20	7	2	2	22	9	...	13
Croydon	24	11	1	1	25	12	...	13
Egina	13	5	...	...	13	5	...	8
Hong Kong	30	12	...	1	30	13	...	17
Lower Nicol	9	11	...	2	9	13	4	...
Mallina	7	4	1	...	8	4	...	4
Mons Cupri	17	12	1	...	18	12	...	6
Pilbarra	32	13	...	...	32	13	...	19
Towranna	35	20	1	1	36	21	...	15
Whim Creek	22	35	2	4	24	39	15	...
Total	209	130	8	11	217	141	19	95

TABLE G.

Mining Revenue, 1899-1900.

	District.	Year 1899.	Year 1900.
		£ s. d.	£ s. d.
Lease Rental under Goldfields Act	West Pilbarra	108 7 0	177 4 0
Other sources under Goldfields Act	do.	224 1 6	78 2 0
Lease Rental under Mineral Lands Act	do.	103 13 9	128 0 0
Other sources under Mineral Lands Act	do.	43 14 2	90 14 6
Survey Fees (Leases, Areas, etc.)	do.	110 10 0	61 10 0
Fees (Examination of Engine-drivers)	do.	...	...
Exemption Fees	do.	81 0 6	130 14 0
Receipts from Public Batteries	do.	...	...
Fees under Boiler Inspection Act	do.	...	...
Receipts from all other sources	do.	0 16 0	0 16 0
Total Mining Revenue ... ..	...	£672 2 11	£667 0 6

TABLE H.

Average number of Miners employed.

Goldfield.	Beef or Lode.		Alluvial.		Total.	
	1899.	1900.	1899.	1900.	1899.	1900.
West Pilbarra—On Gold Mining leases ...	48	52	68	65	116	117
„ On leases other than for Gold Mining	90	34	...	...	90	34
Total	138	86	68	65	206	151

TABLE I.

Water Supply during Year 1900.

Goldfield or Mining District.	Average depth at which Salt Water is struck.	Average depth at which Fresh or Stock Water is struck.	Government Tanks: Number and Contents.	Average Rainfall.
Croydon	Fresh 25 feet	...	About 16 inches
Egina	" 110 "	...	" 16 "
Hong Kong	" 60 "	...	" 14 "
Lower Nicol	" 30 "	...	" 11 "
Mallina	" 37 "	...	" 16 "
Mons Cupri	Stock 70 "	...	" 17 "
Pilbarra	Fresh 25 "	...	" 16 "
Towranra	" 100 "	...	" 15 "
Whim Creek	" 60 "	...	" 17 "

TABLE J.

Ruling Rates of Wages during 1900.

	per week,	£	s.	d.
Miners above ground...	...	3	0	0
Miners below ground...	...	3	10	0
Miners wet ground	4	0	0
Engine-drivers	4	0	0
Mechanics	4	0	0
Carpenters	4	0	0
Labourers	3	0	0

TABLE K.

Yield of Gold for Year ended 1900.

Goldfield.	Alluvial.	Dolled and Specimens.	Tons crushed.	Return in Ozs.	Total Yield.		Average per ton exclusive of Alluvial and Specimens.	
					1899.	1900.	1899.	1900.
West Pilbarra ...	ozs. 357·46	...	681·15	596·19	ozs. 1,934·80	ozs. 953·65	ozs. 1·36	ozs. ·87

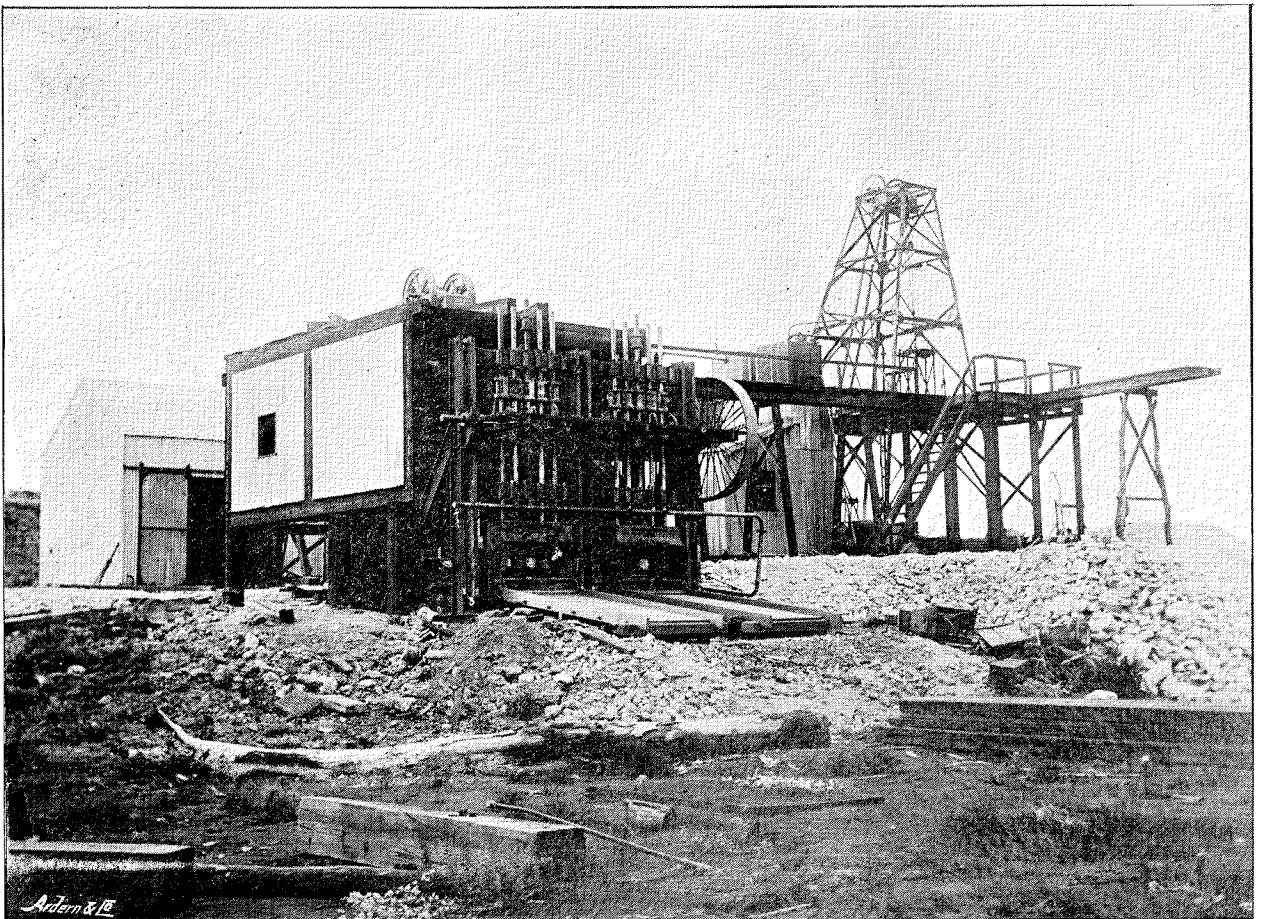
TABLE Ka.

Yield of Minerals other than Gold for Year ended 1900, as compared with 1899.

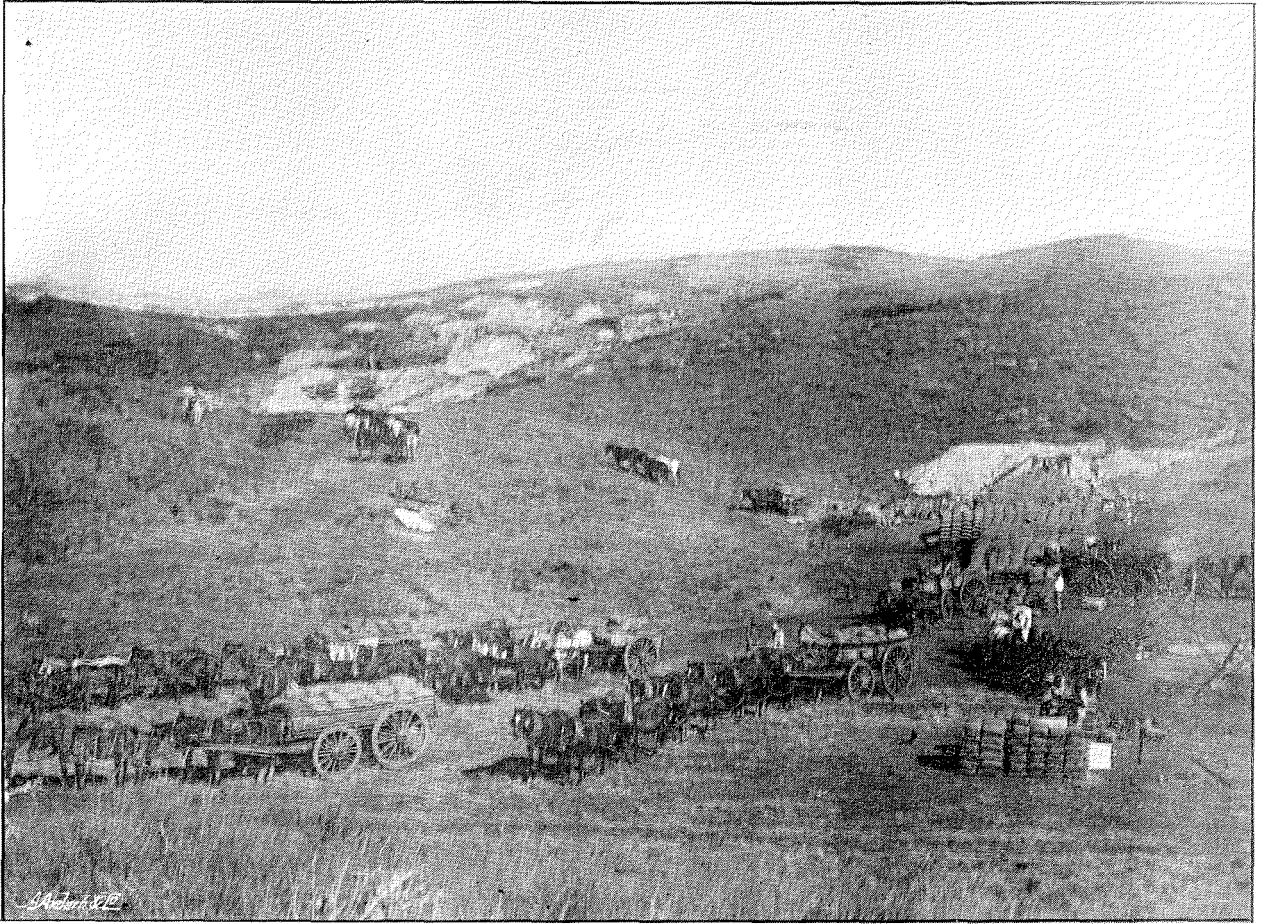
Goldfield.	Description of Mineral.	1899.		1900.	
		Quantity.	Valued.	Quantity.	Valued.
West Pilbarra	Copper Ore	tons 2,555·00	£ 29,478	tons 1,605·00	£ 12,139



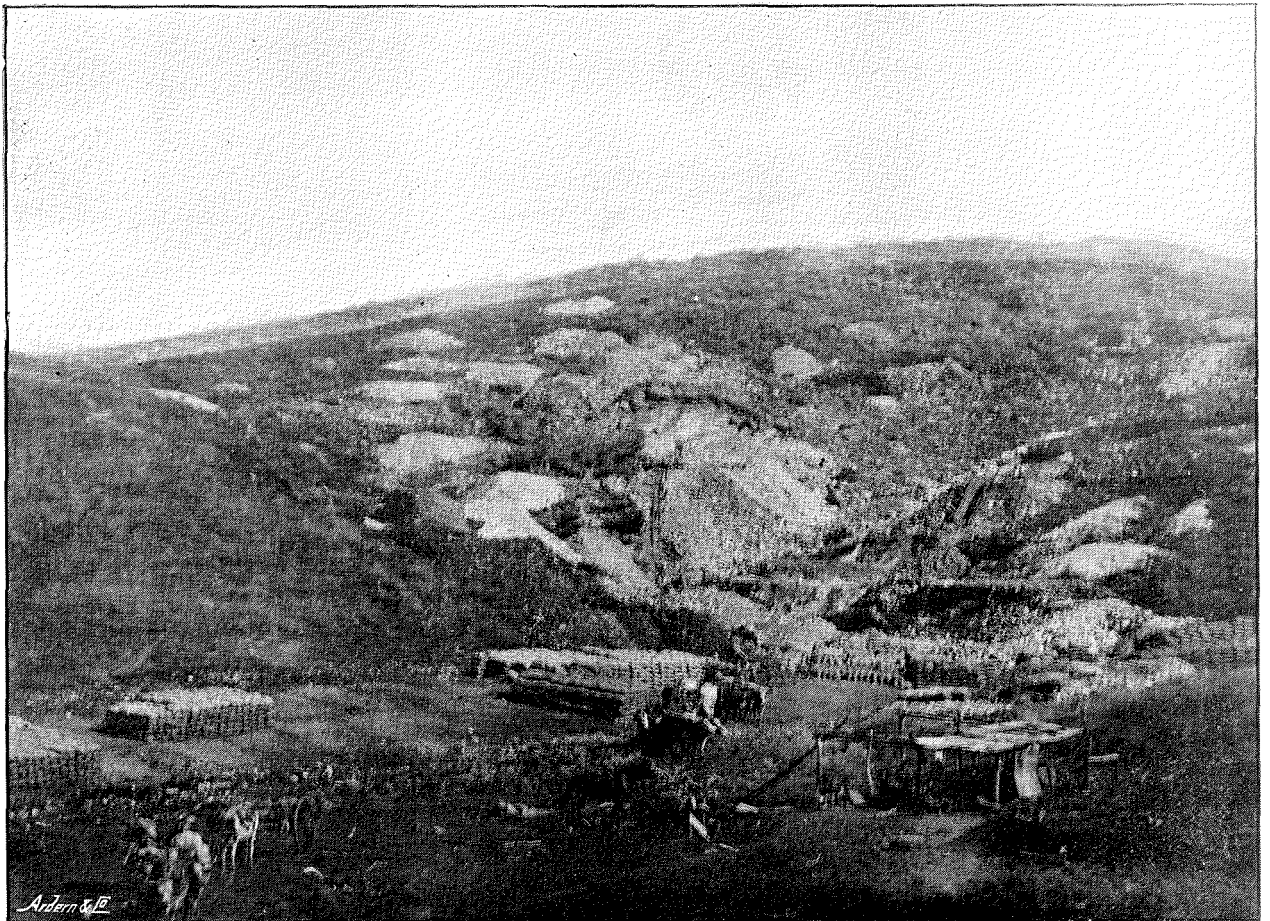
The Empress G. M. Co.
Hong Kong, Roebourne, West Pilbarra G.F.



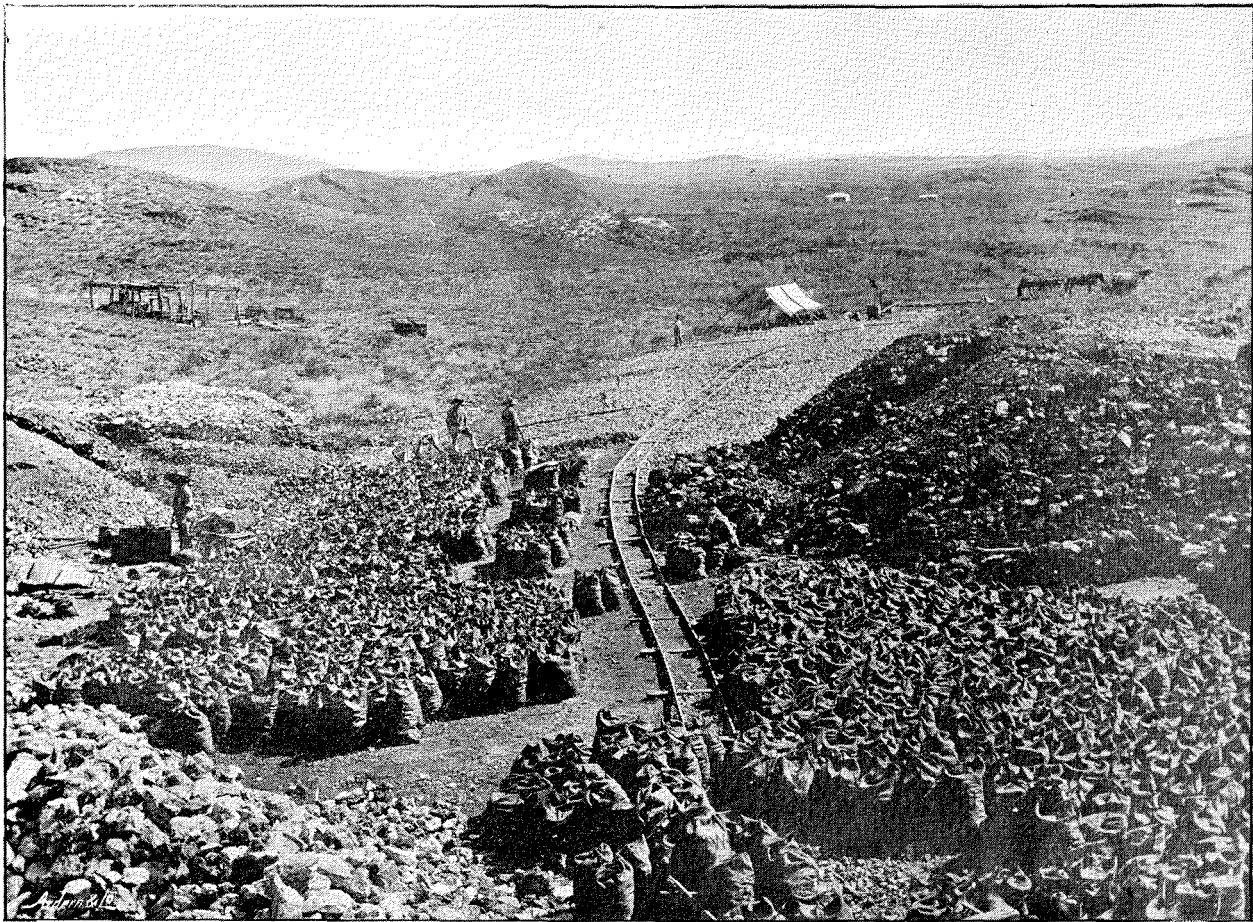
The Empress G. M. Co.
Hong Kong, Roebourne, West Pilbarra G.F.



Whim Well Copper Mine.
Roebourne, West Pilbarra G.F.

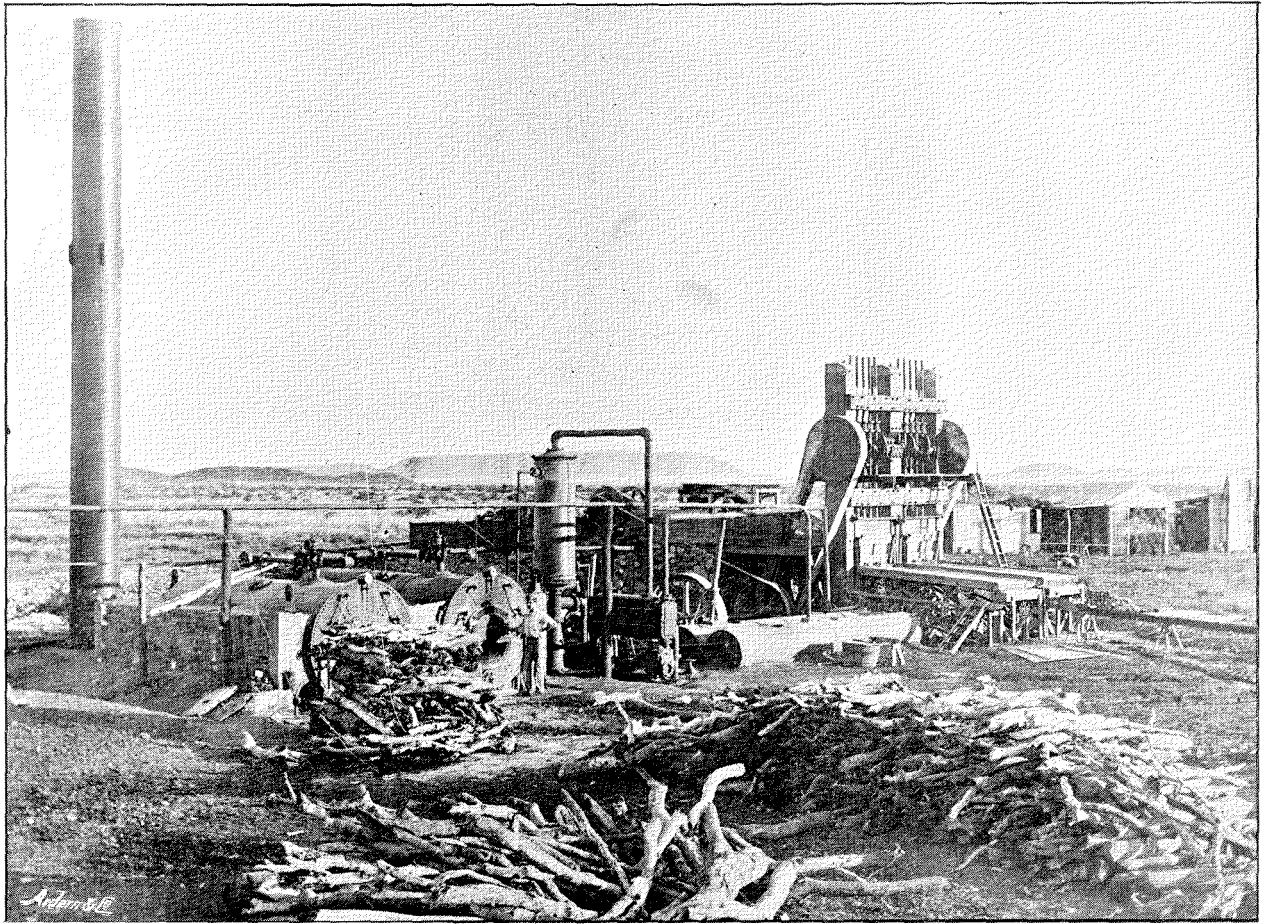


Whim Well Copper Mine.
Roebourne, West Pilbarra G.F.

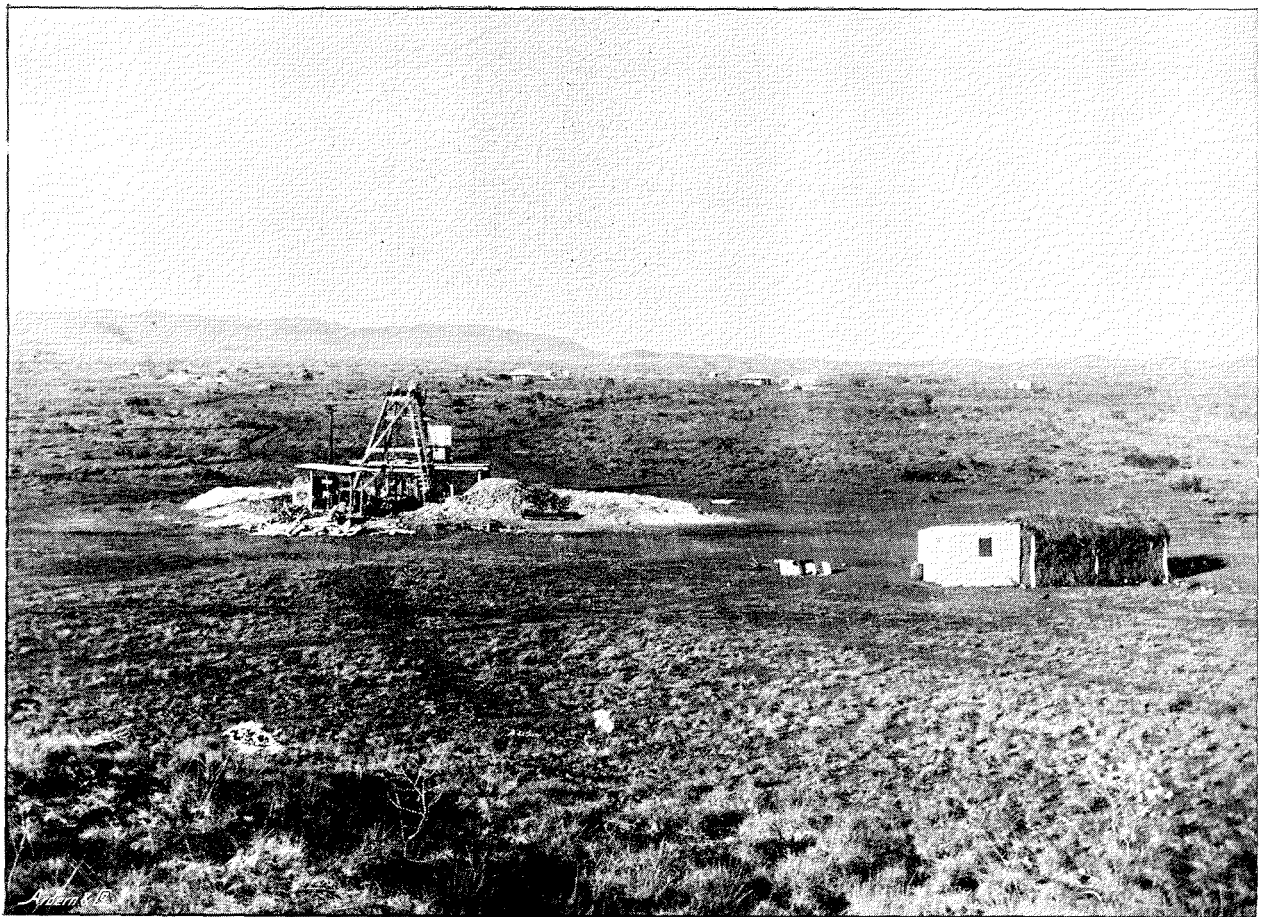


Whim Well Copper Mine.

West Pilbarra G.F.



Towranna G. M. Co.
Roebourne, West Pilbarra G.F.



Towranna G. M. Co.
Roebourne, West Pilbarra G.F.

*Warden's Report on the Yalgoo Goldfield for the year 1900.**The Under Secretary for Mines, Perth.*

SIR,

I have the honour to hand you, for the information of the Honourable the Minister for Mines, my General Report on the Yalgoo Goldfield for the year 1900.

Taking the field as a whole, I regret to say that the year under review has been anything but an encouraging one. In a few instances you will notice, from the attached tables, there have been slight increases. The area of Gold Mining Leases in force at the end of 1900 shows a decrease of 15 acres as compared with 1899, and the number of leases has decreased by 10; there were more Gold Mining Leases by 15 applied for in 1900 than in 1899. The number of stamps erected on the field has decreased by eight and the value of machinery by over £4,000. The population of the field shows a decrease of 192 persons, and the mining revenue a falling off of £547; while the number of miners employed, including diggers, was 108 less than in 1899.

The amount of gold won on the field during 1900 was 10,101ozs., being a decrease of 2,034ozs. as compared with 1899.

The figures disclose a decided retrograde movement in nearly every direction; the decrease in mining revenue as well as the falling off in the gold yield is almost entirely due to the removal of the Government Public Battery from the field, which was found necessary during the year owing to the small amount of stone brought to the battery for treatment.

Mining on the field generally is at a very low ebb. In the vicinity of Yalgoo itself there is only one lease being worked, viz., *The Emerald*, and this is only being worked on a small scale at present.

At Field's Find mining matters are somewhat brighter. The *Field's Find* mine has been kept almost continuously crushing during the year with the result that (a) 10,082 tons have been crushed for 6,451ozs. of gold.

Gullewa does not appear to be making the progress which might reasonably have been anticipated judging from the appearance of the reefs as they were some few years back; but probably this centre may yet revive; the reefs which have been worked have in most cases been payable and I look forward to a brighter future for this locality than it at present enjoys.

At Rothesay mining is at a standstill; the *Woodley's Mines* have obtained exemption, and I understand they are endeavouring to find some more suitable method of treating the ore than their present machinery admits of.

A rich discovery was made during the year by a prospector named McLaughlin, at Nynghan, 16 miles South of Field's Find; 280ozs. of gold specimens were obtained shortly after the discovery. A company called the *Pinyalling Discovery Gold Mines, Limited*, has acquired a property of 120 acres in the locality and a five head battery is now being carted to the mine where, I understand, a good supply of water has been obtained.

Another discovery of interest took place at Wadgingarra, 15 miles N.E. of Yalgoo. The name of the discovery is *Broken Mount*, and curiously enough the lode now being worked was first located by a small outcrop in the floor of a stable used by former holders of the ground. Already (b) 22 tons of ore have been treated at the Fremantle Smelting Works for 86ozs. of gold.

Several other men are now prospecting in this locality and a number of new leases have been applied for. No doubt discoveries of this kind will be made from time to time, and I cannot see why some of them should not live as depth is attained. I anticipate that we will yet see payable reefs being worked to advantage on the Yalgoo Field, though at present its mining industry, with one or two exceptions, is decidedly under a cloud.

I have, etc.,

A. HICKS,

Warden, Murchison Goldfield,
and Acting Warden, Yalgoo Goldfield.

Warden's Office, Cue, 21st February, 1901.

Note by Statist.—The December production—(a) 937·00 tons for 598·87ozs. (b) 11·35 tons for 52·78ozs.—was not reported in time to be included in the Mining Statistics of 1900.

TABLE A.

Applications for Leases, etc., under the Goldfields Act.

	Year 1899.	Year 1900.
Number of Gold Mining Leases applied for	9	24
Area of Gold Mining Leases applied for, in acres	82	408
Number of Gold Mining Leases abandoned, surrendered, or forfeited	27	26
Number of Gold Mining Leases refused	—	—
Number of Gold Mining Leases in force	49	39
Area of Gold Mining Leases in force, in acres	495	480
Number of Water Rights in force	4	4
Area of Water Rights in force, in acres	4	4
Number of Quartz Claims in force	13	15
Number of Alluvial Claims in force	—	—
Number of Protection Areas in force	28	21
Number of Residence Areas in force	132	105
Number of Business Areas in force	22	28
Number of Machine Areas in force	6	5
Number of Tailings Areas in force	3	2
Number of Garden Areas in force	3	1
Number of Miners' Rights issued during	133	85
Number of Business Licenses issued during	11	16

TABLE B.

Applications for Leases, etc., under the Mineral Lands Act.

	Year 1899.	Year 1900.
Number of Mineral Leases applied for	1
Area of Mineral Leases applied for, in acres	40
Number of Mineral Leases abandoned, surrendered, or forfeited	3	...
Number of Mineral Leases refused
Number of Mineral Leases in force
Area of Mineral Leases in force, in acres
Number of Water Rights in force
Area of Water Rights in force, in acres
Number of Lode Claims in force
Number of Alluvial Claims in force
Number of Protection Areas in force
Number of Residence Areas in force
Number of Business Areas in force
Number of Machine Areas in force
Number of Tailings Areas in force
Number of Garden Areas in force
Number of Mining Licenses issued during	5	4
Number of Quarry Licenses issued during	1	2
Number of Business Licenses issued during

TABLE C.

Table showing Number, Description, and Area of Mineral Leases in force—Nil.

TABLE D.

** List of Ore-reduction Plants.*

Mining Centre.	Number of Stamps erected.		Value of Mining Machinery.	
	1899.	1900.	1899.	1900.
Carlaminda	5	—	£ 4,646	—
Field's Find	23	† 20	8,230	9,817
Gullewa	10	10	9,490	9,000
Noongal	5	5	500	485
Rothsay	20	20	12,000	12,000
Yalgoo	5	‡ 5	2,447	985
Yuin ... ..	...	§	2,300	2,440
Total	68	60	£39,613	£34,727

* For details, see Mining Statistics. † 1 Prospecting Mill. ‡ 1 Huntington Mill. § 3 Tremain Mills.

TABLE E.
Particulars of Mining Accidents.

	1899.	1900.
Number of Men injured	1	5
Number of Men killed	4	Nil.

TABLE F.
Showing Population of each Mining Centre on 31st December, 1900, as compared with 31st December, 1900.

Mining Centre.	Males.		Females.		Total.		Increase.	Decrease.
	1899.	1900.	1899.	1900.	1899.	1900.		
Carlaminda	10	2	4	2	14	4		
Field's Find	100	140	35	30	135	170		
Gullewa	140	45	30	17	170	62		
Noongal	10	8	6	6	16	14		
Pinyalling (Nynghan)	15	14	4	1	19	15		
Rothesay	50	4	20	10	70	14		
Wadgingarra	6	2	...	...	6	2		
Yalgoo	127	85	77	65	204	150		
Yuin	16	26	5	6	21	32		
Total	474	326	181	137	655	463		
Squatters and others					200	200		
					855	663	Decrease 192	

TABLE G.
Mining Revenue 1899-1900.

	District.	Year 1899.	Year 1900.
Lease Rental under Goldfields Act	Yalgoo	£ 484 18 0	£ 557 8 0
Other sources under Goldfields Act... ..	Do.	179 19 0	172 17 0
Lease Rental under Mineral Lands Act	Do.	...	2 10 0
Other sources under Mineral Lands Act	Do.	2 5 0	2 10 0
Survey Fees (Leases, Areas, &c.)	Do.	51 10 0	188 5 0
Fees (Examination of Engine-drivers)	Do.	8 0 0	12 10 0
Exemption Fees	Do.	100 9 0	102 3 0
Receipts from Public Batteries	Do.	849 4 6	63 6 9
Fees under Boiler Inspection Act	Do.	...	28 0 0
Receipts from all other Sources	Do.	1 9 3	0 10 9
Total Mining Revenue ... ..	...	£1,677 14 9	£1,130 0 6

TABLE H.
Average number of Miners employed.

Goldfield.	Reef or Lode.		Alluvial.		Total.	
	1899.	1900.	1899.	1900.	1899.	1900.
Yalgoo	320	226	20	6	340	232

TABLE I.
Water Supply during Year 1900.

Goldfield.	Average depth at which Salt Water is struck.	Average depth at which Fresh or Stock Water is struck.	Government Tanks Number and Contents.	Rainfall.
Yalgoo	No data	35 to 80ft.	1 3,000,000 gallons	12·70in.

TABLE J.
Ruling Rates of Wages during 1900.

	per week,	£	s.	d.
Miners above ground	3	0	0	
Miners below ground	3	10	0	
Miners wet ground	4	0	0	
Engine-drivers	4	0	0	
Mechanics	4	0	0	
Carpenters	4	0	0	
Labourers	3	0	0	

TABLE K.
** Yield of Gold for Year ended 1900.*

Goldfield.	Alluvial.	Specimens.	Tons crushed.	Return in ozs.	Total yield.		Average per ton in ozs., exclusive of Alluvial and Specimens.	
					1899.	1900.	1899.	1900.
Yalgoo		OZS. 289·00	15,596·20	9,812·86	OZS. 12,135·94	OZS. 10,101·86	OZS. ·67	OZS. ·62

* For details, see Mining Statistics.

TABLE L.
Revenue, other than Mining, 1899-1900.

	Year 1899.	Year 1900.
	£	£
	s.	s.
	d.	d.
Local Court Fees	17	10
Judicial Fines and Fees	49	24
Fees under Wines, Beer, and Spirits Sale Act	437	340
Auctioneers' Licenses ... ..	...	5
Dog Registration Fees	27	...
Miscellaneous	1	12
Revenue Stamps (sales)	16	6
	15	17
Land Revenue	199	243
	7	18
	3	0
Total	£813	£699
	2	15
	3	3

*Warden's Report on the Yilgarn Goldfield for the year 1900.**To the Under Secretary for Mines, Perth.*

SIR,

I have the honour to report on this goldfield during the year 1900. The tables with figures I have sent you already. During the year some changes have taken place, and these are mostly to the benefit of the district.

At Mount Jackson work was temporarily suspended, but will soon be resumed at the Mount Jackson Mines Company's property, where there is a good 10-head battery; and I am assured by the manager of the Associated Mines that another battery is at once to be placed on his leases close to the one just named. When this is done, the Mount Jackson centre should increase immensely. Improvements on a good scale are being made on the road to Jackson, and water supply is being carefully attended to.

At Hope's Hill there is a battery of 40 head working, and a small township has sprung up there.

At Parker's Range things have greatly improved, and there is a desire to take up ground there; and, I think, with good reason, as the shafts in that part of the field are all very shallow and Parker's Range at one time was justly pre-eminent for its activity both in alluvial and quartz claims and in battery work. Cyaniding is going on there actively, and there are some large heaps still to be treated. Good returns at one time came from leases now abandoned and not tried at any depth, and, in fact, some have shafts not much over 100ft. Near Parker's Range, Mount Caudan sits idle, and yet the assays show it to contain about enough gold to pay expenses, and the iron ore is as rich in its percentage of iron, as ore in any part of the world. The Jacolletti lease is now getting machinery; this lease is about 20 miles from Southern Cross, and it appears to have good prospects. At Blackbourne some mining is still done, and Mount Rankin will presently be taken up again. The leases at Greenmount show most encouraging results, and are likely to do well, as the property is being well developed, and Messrs. Holmes Bros. deserve the greatest credit for the way in which they have stuck to and developed these mines.

Gold has been found at Yellowdine and Duladgin. The reefs there are enormous, but as yet nothing much has been done.

Near Greenmount some very excellent stone has been crushed from several leases, and it is hoped that these will later spring into prominence.

At Southern Cross, Fraser's mine has shown great developments as regards cyanide plants. Two large ones are erected, and are in good working order. This mine is, and has always been, the scene of the greatest activity in mining on this field. Herbig's cyanide plant, at the Central mine, is working constantly, and the Central mine itself is still engaged in developing work. Hatt's plant, at the old Central Extended, is in good going order, and is engaged in the most economical cyanide treatment. Fraser's South Extended is stopping temporarily for more development work below.

The Day Dawn mine continues to show good prospects. There are a number of good mines near Southern Cross which are unworked, and which will be presently taken up, and, under proper management, promise to be highly payable.

The cyanide process has greatly helped on the prospects of this field, and will continue to do so. The pipe-layers have been at work on the Coolgardie water scheme for some time, and when the water is sent by that means to Southern Cross there will be sluicing and alluvial working on a good scale, besides convenience and economy in the battery treatment of ore.

With such mines as Fraser's, Fraser's South, Fraser's South Extended, and the Day Dawn, also the Central and Homeward Bound and the Greenmount and Southern Cross mines, aided by the cyanide process, Southern Cross should become more prosperous as time goes on. The people also have full confidence in the place, as the type of residence is improving every year and becoming more permanent and substantial, and new buildings are continually being put up.

The State school is flourishing, owing to the excellent teaching there, and the hospital is satisfactory; and the Government have shown their confidence in this field by making substantial improvements in the various public buildings. The town is partly planted with trees, and improvements are constantly being made; a number of residential areas have been thrown open for miners, railway employees, and others in various places round Southern Cross. Taking everything into consideration, the prospects of this goldfield are excellent, and the mining, on which it solely depends, is likely to raise it to that prominence in the State to which it is certain to attain. If, as is confidently foretold, sulphides appear in quantity at the lower levels a greater future than ever is before Southern Cross.

VICTOR BLACK,
Warden.

1st January, 1901.

TABLE A.
Applications for Leases, etc., under the Goldfields Act.

	Year 1899.	Year 1900.
Number of Gold Mining Leases applied for	28	16
Area of Gold Mining Leases applied for, in acres	453	212
Number of Gold Mining Leases abandoned, surrendered, or forfeited	23	18
Number of Gold Mining Leases refused	2	1
Number of Gold Mining Leases in force	46	48
Area of Gold Mining Leases in force, in acres	788	765
Number of Water Rights in force	17	17
Area of Water Rights in force, in acres	52a. 1r. Op.	52a. 1r. Op.
Number of Quartz Claims in force ... ..	...	...
Number of Alluvial Claims in force ... ..	...	...
Number of Protection Areas in force ... ..	...	...
Number of Residence Areas in force	24	41
Number of Business Areas in force	10	20
Number of Machine Areas in force	3	...
Number of Tailings Areas in force	6	11
Number of Garden Areas in force	3	6
Number of Miners' Rights issued during	133	125
Number of Business Licenses issued during	12	14

TABLE B.
Applications for Leases, etc., under the Mineral Lands Act.

	Year 1899.	Year 1900.
Number of Mineral Leases applied for	5
Area of Mineral Leases applied for, in acres	67
Number of Mineral Leases abandoned, surrendered, or forfeited	1	2
Number of Mineral Leases refused
Number of Mineral Leases in force	3
Area of Mineral Leases in force, in acres	30
Number of Water Rights in force
Area of Water Rights in force, in acres
Number of Lode Claims in force
Number of Alluvial Claims in force
Number of Protection Areas in force
Number of Residence Areas in force
Number of Business Areas in force
Number of Machine Areas in force
Number of Tailings Areas in force
Number of Garden Areas in force
Number of Mining Licenses issued during	7
Number of Quarry Licenses issued during
Number of Business Licenses issued during

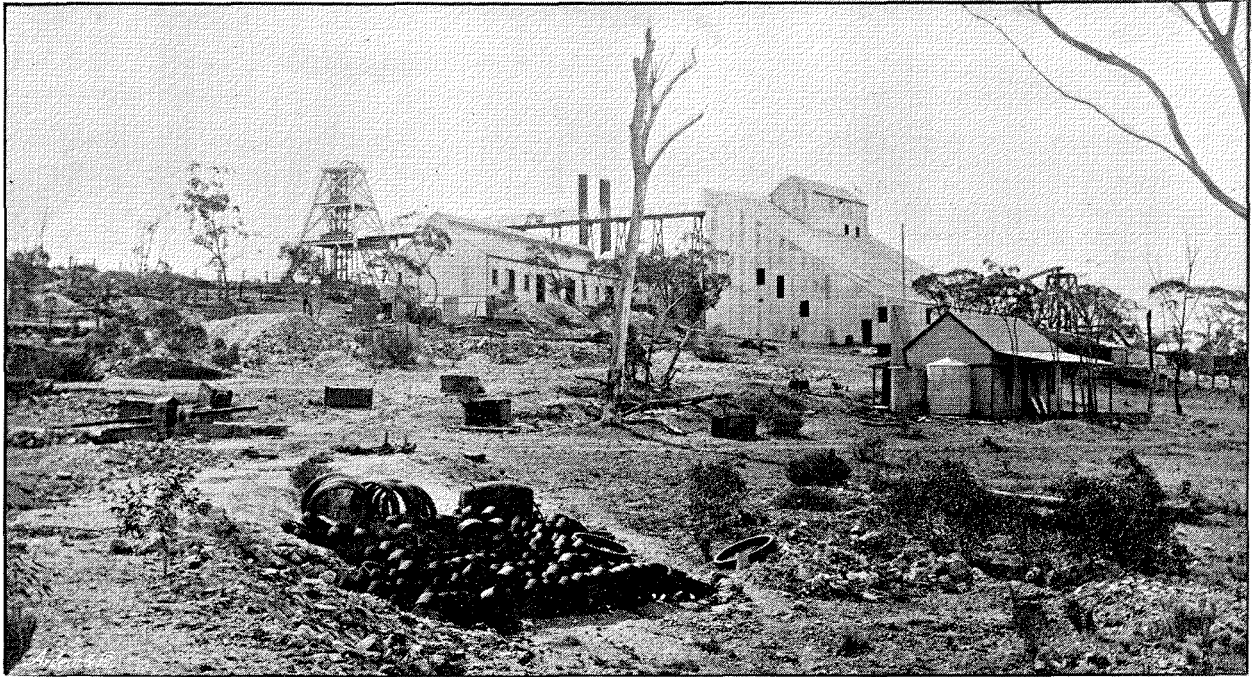
TABLE C.
Table showing Number, Description, and Area of Mineral Leases in force.

Description of Minerals.	District.	Number of Leases.		Area in Acres.	
		1899.	1900.	1899.	1900.
Limestone	Southern Cross ...	...	3	...	30 acres

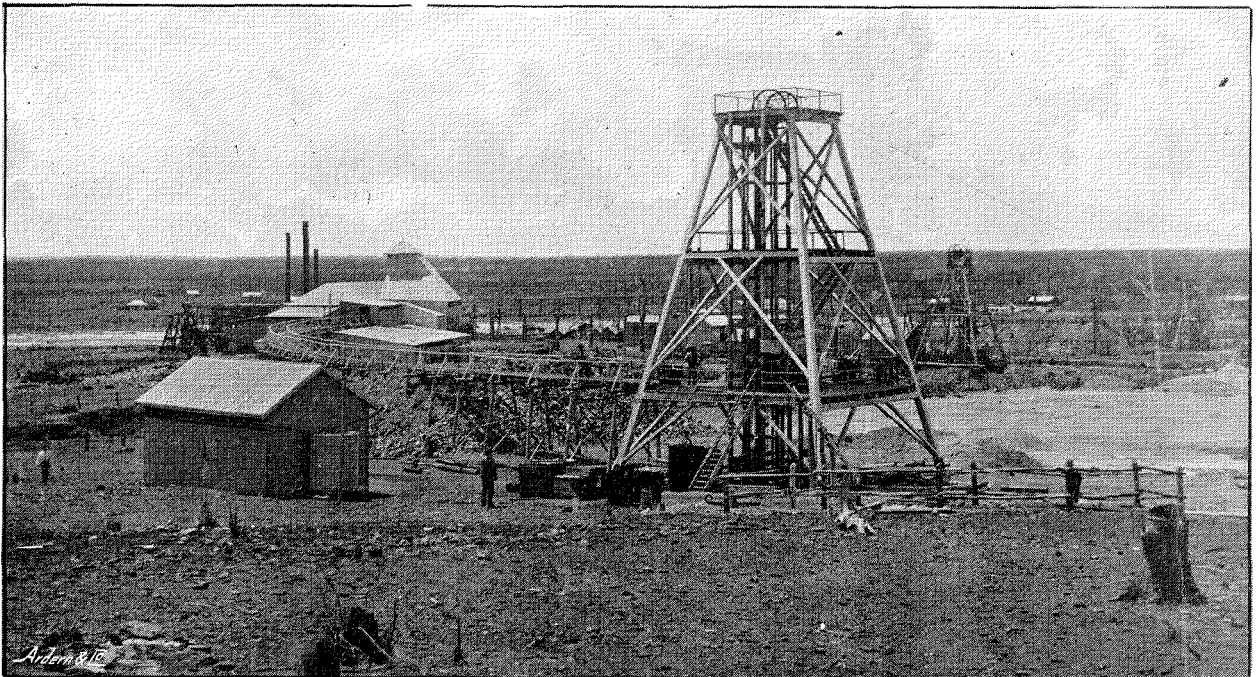
TABLE D.
**List of Ore-reduction Plants.*

Goldfield.	Number of Stamps Erected.		Value of Mining Machinery.	
	1899.	1900.	1899.	1900.
Yilgarn	170	† 175	£ 65,904	£ 80,632

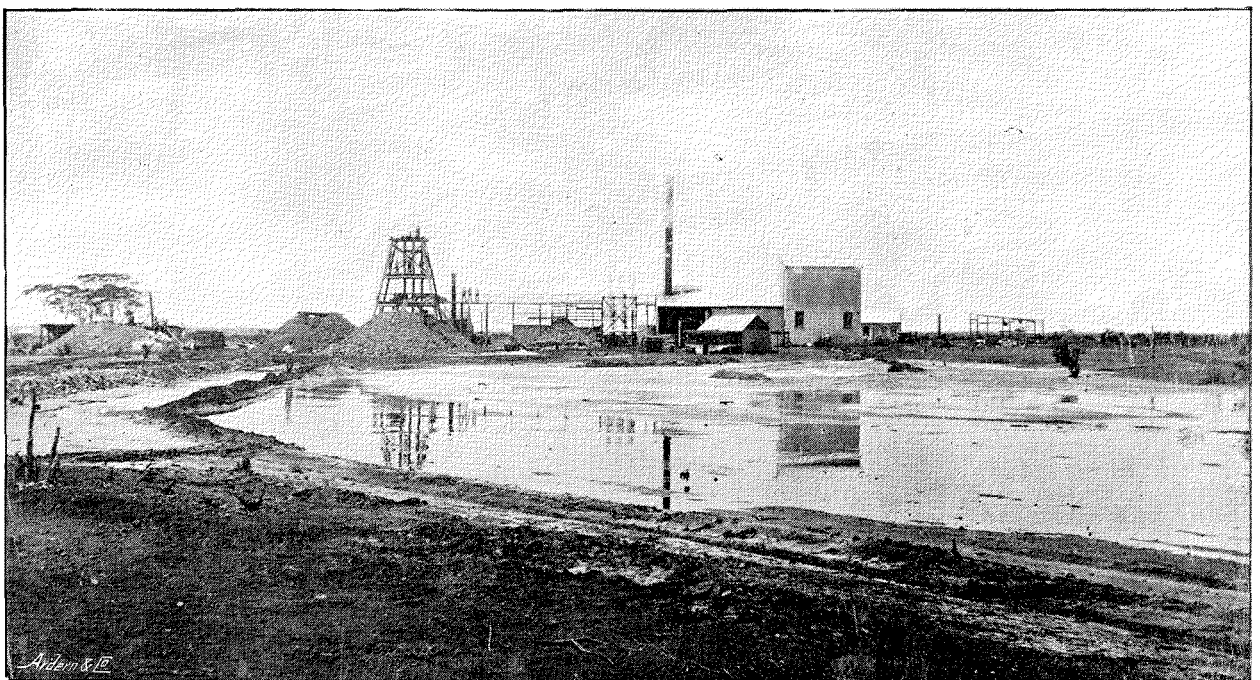
* For details, see Mining Statistics. † 4 Griffin Mills and 1 Prospecting Mill.



Hope's Hill, Southern Cross.
Yilgarn G.F.



Frazer's, Southern Cross.
Yilgarn G.F.



Frazer's South Extended, Southern Cross.
Yilgarn G.F.

TABLE E.
Particulars of Mining Accidents.

	1899.	1900.
Number of men injured	3	4
Number of men killed	2	1

TABLE F.
Showing Population of Goldfield on 31st December, 1900, as compared with 31st December, 1899.

Goldfield.	Males.		Females.		Total.		Increase.	Decrease.
	1899.	1900.	1899.	1900.	1899.	1900.		
Yilgarn	957	963	431	583	1,388	1546	158	...

TABLE G.
Mining Revenue, 1899-1900.

	District.	Year 1899.			Year 1900.		
Lease Rental under Goldfields Act	Yilgarn.	£	s.	d.	£	s.	d.
Other sources under Goldfields Act	Do.	703	4	0	762	17	0
Lease Rental under Mineral Lands Act	Do.	212	3	9	240	15	0
Other sources under Mineral Lands Act	Do.	...	...	...	13	15	0
Survey Fees (Leases, Areas, etc.)	Do.	...	...	...	4	12	0
Fees (Examination of Engine-drivers)	Do.	20½	10	0	134	0	0
Exemption Fees	Do.	...	...	...	6	17	6
Receipts from Public Batteries	Do.	72	16	0	80	19	0
Fees under Boiler Inspection Act	Do.	...	...	...	...	...	...
Receipts from all other sources	Do.	5	10	9	0	7	9
Total Mining Revenue		£1,198	4	6	£1,244	3	3

TABLE H.
Average number of Miners employed.

Goldfield.	Reef or Lode.		Alluvial.		Total.	
	1899.	1900.	1899.	1899.	1899.	1900.
Yilgarn	402	497	10	13	412	510

TABLE I.
Water Supply during Year 1900.

Goldfield and Mining Centres.	Average depth at which Salt Water is struck.	Average depth at which Fresh or Stock Water is struck.	Government Tanks: Number and Contents.	Average Rainfall.
Yilgarn, G.F.	Surface	Surface and at about 20ft. at rocks	14 tanks. About 14ft.	11.73
Mt. Jackson, M.C.	12.05
Bodallin, M.C.	13.49
Southern Cross, M.C.	11.29
Karalee, M.C.	14.16
Yellowdine, M.C.	9.74

TABLE J.
Ruling Rates of Wages during 1900.

	per week,	£	s.	d.
Miners above ground	2	14	0
Miners below ground	3	0	0
Miners wet ground	3	15	0
Engine-drivers	3	15	0
Mechanics	3	15	0
Carpenters	3	15	0
Labourers	2	4	0

TABLE K.
* Yield of Gold for Year ended 1900.

Goldfield.	Alluvial.	Dolled and Specimens.	Tons crushed.	Return in ozs.	Total yield.		Average per ton, exclusive of Alluvial and Specimens.	
					1899.	1900.	1899.	1900.
Yilgarn	54,403·10	29,155·42	ozs. 16,371·78	ozs. 29,155·42	ozs. ·49	ozs. ·53

* For details, see Mining Statistics.

TABLE L.
Yield of Minerals, other than Gold, for Year ended 1900, as compared with 1899.

Goldfield.	Description of Mineral.	1899.		1900.	
		Quantity.	Value.	Quantity.	Value.
Yilgarn ...	Limestone ...	tons. ...	£ ...	tons. 269·85	£ 273

Returns relating to Kimberley Goldfield.

TABLE A.
Applications for Leases, etc., under the Goldfields Act.

	Year 1899.	Year 1900.
Number of Gold Mining Leases applied for ...	1	...
Area of Gold Mining Leases applied for, in acres ...	6	...
Number of Gold Mining Leases abandoned, surrendered, or forfeited ...	...	...
Number of Gold Mining Leases refused ...	...	...
Number of Gold Mining Leases in force ...	3	4
Area of Gold Mining Leases in force, in acres ...	32	38
Number of Water Rights in force ...	...	...
Area of Water Rights in force, in acres ...	...	...
Number of Quartz Claims in force ...	...	...
Number of Alluvial Claims in force ...	...	...
Number of Protection Areas in force ...	...	...
Number of Residence Areas in force ...	...	...
Number of Business Areas in force ...	...	...
Number of Machine Areas in force ...	...	...
Number of Tailings Areas in force ...	...	...
Number of Garden Areas in force ...	...	...
Number of Miners' Rights issued during ...	28	16
Number of Business Licenses issued during ...	1	1

TABLE B.

Applications for Leases, &c., under the Mineral Lands Act.—Nil.

TABLE C.

Table showing Number, Description, and Area of Mineral Leases in force.—Nil.

TABLE D.

** List of Ore-reduction Plants.*

Goldfield.	Number of Stamps erected.		Value of Mining Machinery.	
	1899.	1900.	1899.	1900.
Kimberley	†70	†70	£ 8,305	£ 8,305

* For details, see Mining Statistics.

† Also one Huntington Mill, which should have been similarly shown in 1899 Report.

TABLE E.

	1899.	1900.
Mining Accidents	Nil	Nil

TABLE F.

Showing Population of Goldfield on 31st December, 1900, as compared with 31st December, 1899.

Goldfield.	Males.		Females.		Total.		Increase.	Decrease.
	1899.	1900.	1899.	1900.	1899.	1900.		
Kimberley	115	125	15	8	130	133	3	

TABLE G.

Mining Revenue 1899-1900.

	District.	Year 1899.	Year 1900.
		£ s. d.	£ s. d.
Lease Rental under Goldfields Act	Kimberley ...	13 0 0	26 16 0
Other sources under Goldfields Act	Do. ...	41 12 8	32 15 0
Lease Rental under Mineral Lands Act	Do. ...	...	...
Other sources under Mineral Lands Act	Do. ...	...	...
Survey Fees (Leases, Areas, etc.)	Do. ...	5 0 0	...
Fees (Examination of Engine-drivers)	Do. ...	...	...
Exemption Fees	Do. ...	0 10 0	1 1 0
Receipts from Public Batteries	Do. ...	...	...
Fees under Boiler Inspection Act	Do. ...	...	...
Receipts from all other Sources	Do. ...	...	...
Total Mining Revenue ... ..	...	£60 2 8	£60 12 0

TABLE H.
Average Number of Miners employed.

Goldfield.	Reef or Lode.		Alluvial.		Total.	
	1899.	1900.	1899.	1900.	1899.	1900.
Kimberley	12	7	40	27	52	34

TABLE I.
Water Supply during Year 1900.

Goldfield or Stations	Average depth at which Salt Water is struck.	Average depth at which Fresh or Stock Water is struck.	Government Tanks—Number and Contents.	Average Rainfall.
Kimberley G.F.
Ord River	13·40
Turkey Creek	14·49
Hall's Creek	18·19
Ruby Creek	5·42
Flora Valley	10·17
Dawson Downs	12·66

TABLE J.
Ruling Rates of Wages during 1900.

Miners above ground	...	...	...	...	...	per week,	£	s.	d.
Miners below ground	...	...	...	...	...	"	4	0	0
Miners wet ground	...	...	...	...	...	"	4	0	0
Engine-drivers	...	...	...	...	...	"	4	10	0
Mechanics	...	...	...	...	...	"	4	10	0
Carpenters	...	...	...	...	...	"	4	10	0
Labourers	...	...	...	...	...	"	4	0	0

* TABLE K.
Yield of Gold for Year ended 1900.

Goldfield.	Alluvial.	Dolled and Specimens.	Tons crushed.	Return in ozs.	Total yield.		Average per ton inclusive of Alluvial and Specimens.	
					1899.	1900.	1899.	1900.
Kimberley	ozs. 331	...	586·50	240·15	ozs. 917·15	ozs. 571·15	ozs. ·72	ozs. ·40

* For details, see Mining Statistics.

*Registrar's Report on the Collie Coalfields for the year 1900.**To the Under Secretary for Mines, Perth.*

SIR,

31st March, 1901.

I have the honour to submit the following Report for the year 1900 on the Collie River Coal Mining District, for the information of the Honourable the Minister of Mines.

The advance shown by the year 1899 has been well maintained during the year 1900. There have been 40 new applications for mineral leases, of which 26, of a total area of 8,240 acres, have been finally approved. The number of leases now in existence is 98, embracing an area of 30,743 acres. The Mining Revenue for 1900 is rather more than double that of 1899, while the Land Revenue has increased from £2,681 16s. 2d. to £3,332 16s. 10d. The output of coal has increased from 54,336 tons in 1899 to 118,410 tons in 1900, the Proprietary Company having largely increased their output since opening their new seam.

Outside the three companies now producing coal, the most important work has been done by the Collie Boulder Company, who have thoroughly prospected their property by means of bores, and are now in a position to proceed with further developments, so soon as railway communication is assured. Most of the new leases taken up in 1900 are South of and adjoining this company's property, and the prospecting already done thereon has proved the existence of payable coal at a shallow depth.

From a mining point of view, it will be gathered from the above that the outlook is very hopeful. Public confidence, it is true, has been somewhat disturbed of late by the difficulties which have arisen between the companies and their employees, but the settlement which has been arrived at by the labours of the Commission will, it is to be hoped, prove permanent.

The work of the office has been very largely increased during the year 1900 by the creation of a new magisterial district, coinciding with the coalfield, and the appointment of the Registrar as Resident Magistrate.

There were only two serious mining accidents in 1900, neither of them attended with fatal consequences. An inquiry was held respecting one of these accidents by the Registrar, which resulted in proceedings being instituted by the Inspector. The fact that, in spite of the large increase of miners, there should have been only two accidents recorded, must be taken to reflect credit both upon the mine managers and the Inspector.

During the year, there were reported discoveries of gold and tin on the field, but neither proved genuine, though the supposed discovery of gold caused considerable local excitement. The town has moved with the times, and now presents a much more settled appearance than at the end of 1899. There are now three large hotels of two storeys, and built of brick. The Commercial Bank has opened a branch, and intends shortly to build premises for its business. There is a Mechanics' Institute partly erected, and, by the efforts of the Roads Board, assisted by a generous subvention from the Government, the roads have been cleared of timber, and, in the chief thoroughfares, converted into streets. The inhabitants are now petitioning for a municipality, and there are already projects for installing the electric light, with the aid of the mines. The general health has been good, and no cases of fever have been reported during the year.

I have, etc.,

RAYMOND GEE.

TABLE A.

Applications for Leases, etc., under the Goldfields Act.

	Year 1899.	Year 1900.
Number of Gold Mining Leases applied for
Area of Gold Mining Leases applied for, in acres
Number of Gold Mining Leases abandoned, surrendered, or forfeited
Number of Gold Mining Leases refused
Number of Gold Mining Leases in force
Area of Gold Mining Leases in force, in acres
Number of Water Rights in force
Area of Water Rights in force, in acres
Number of Quartz Claims in force
Number of Alluvial Claims in force
Number of Protection Areas in force
Number of Residence Areas in force
Number of Business Areas in force
Number of Machine Areas in force
Number of Tailings Areas in force
Number of Garden Areas in force
Number of Miners' Rights issued during	...	15
Number of Business Licenses issued during

TABLE B.

Applications for Leases, etc., under the Mineral Lands Act.

	Year 1899.	Year 1900.
Number of Mineral Leases applied for	17	40
Area of Mineral Leases applied for, in acres	5,440	12,720
Number of Mineral Leases abandoned, surrendered, or forfeited	5	9
Number of Mineral Leases refused ... ..	...	5
Number of Mineral Leases in force	71	98
Area of Mineral Leases in force, in acres	22,213	30,748
Number of Water Rights in force ... ..	...	...
Area of Water Rights in force, in acres ... ..	...	...
Number of Lode Claims in force ... ..	...	...
Number of Alluvial Claims in force ... ..	...	...
Number of Protection Areas in force ... ..	...	...
Number of Residence Areas in force... ..	...	...
Number of Business Areas in force ... ..	...	...
Number of Machine Areas in force ... ..	...	...
Number of Tailings Areas in force ... ..	...	...
Number of Garden Areas in force	1	1
Number of Mining Licenses issued during	5	14
Number of Quarry Licenses issued during ... ..	...	...
Number of Business Licenses issued during ... ..	...	...

TABLE C.

Table showing Number, Description, and Area of Mineral Leases in force.

Description of Minerals.	District.	Number of Leases.		Area in Acres.	
		1899.	1900.	1899.	1900.
Coal	Collie River Coal	71	98	22,213	30,748

TABLE D.

** List of Mining Machinery.*

Coal Mining District.	Number of Plants erected.		Value of Mining Machinery.	
	1899.	1900.	1899.	1900.
Collie River	3	3	£ 7,855	£ 12,445

** For details, see Mining Statistics.*

TABLE E.

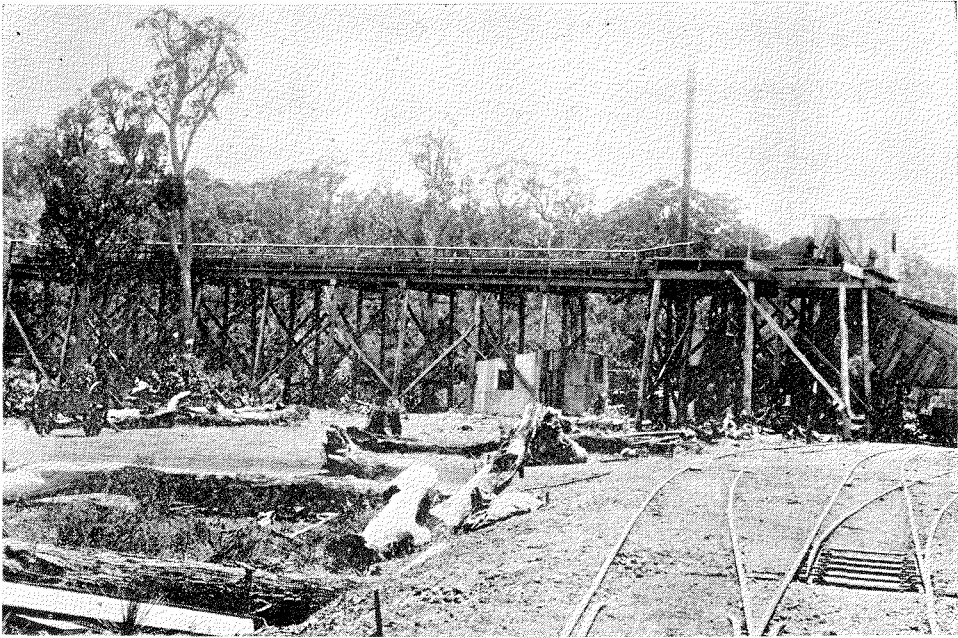
Particulars of Mining Accidents.

	1899.	1900.
Number of men injured	5	2
Number of men killed	1	...

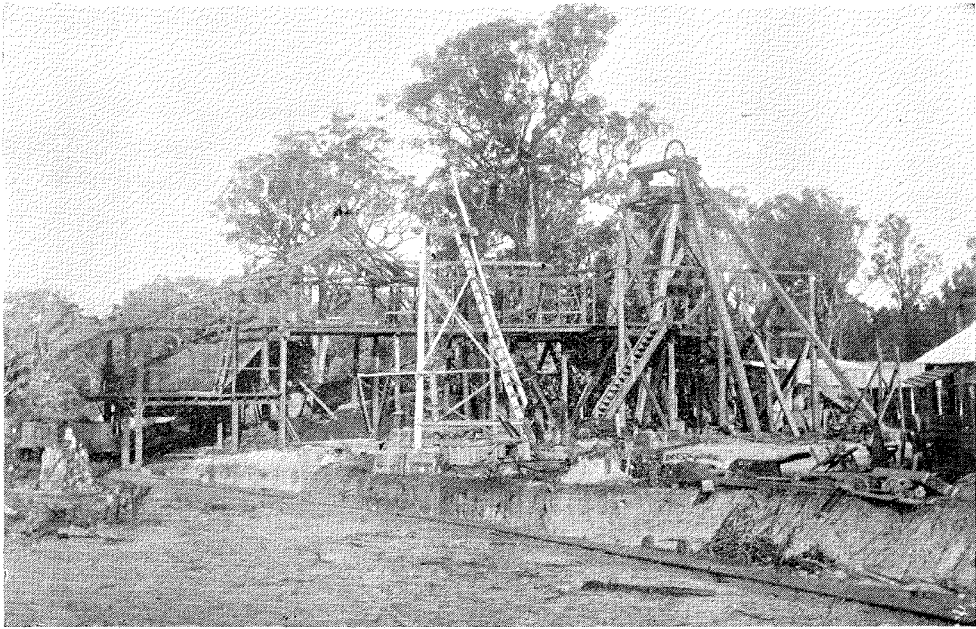
TABLE F.

Showing Population of each District on 31st December, 1900, as compared with 31st December, 1899.

Coal Mining District.	Males.		Females.		Total.		Increase.	Decrease.
	1899.	1900.	1899.	1900.	1899.	1900.		
Collie River	400	1,100	200	700	600	1,800	1,200	...



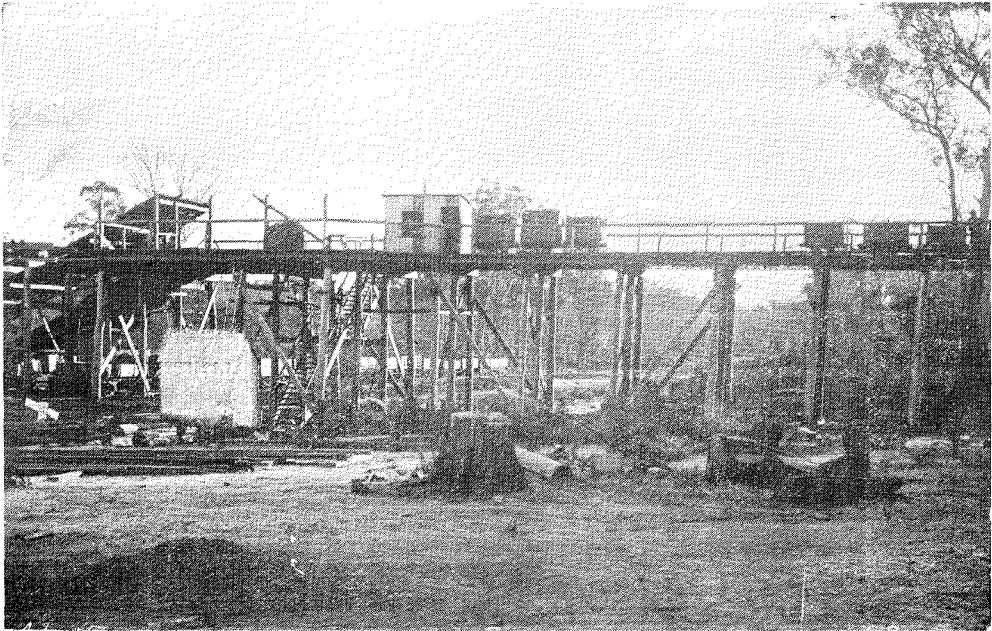
The Westralian Wallsend Colliery.
Collie Coal Fields.



The West Australian Collieries & Fireclay Co. Ltd.
Collie Coal Fields.



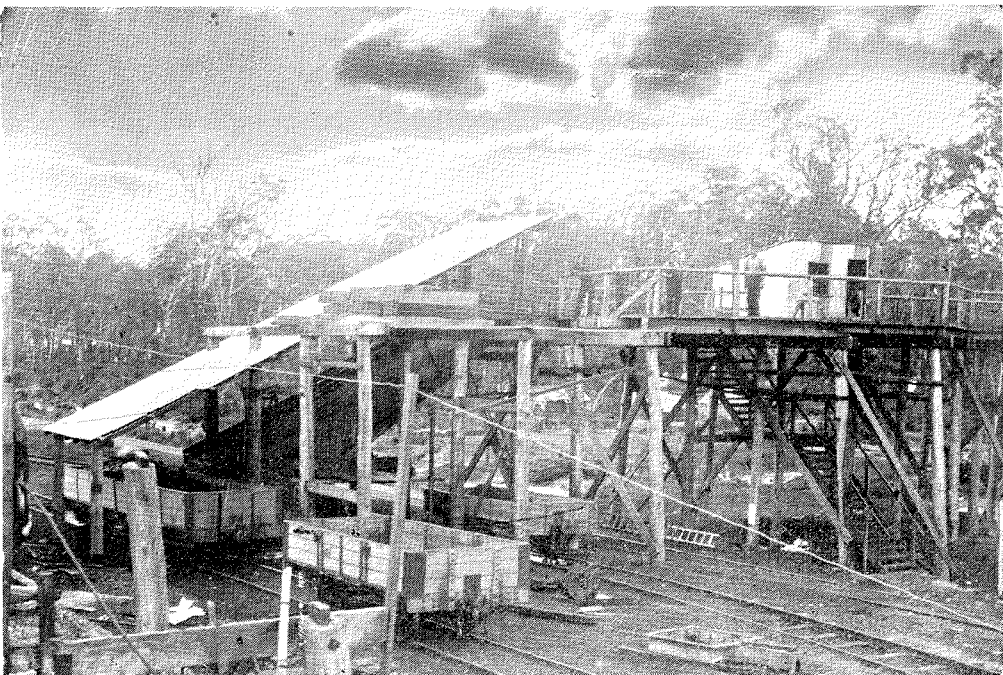
The Westralian Wallsend Colliery.
Collie Coal Fields.



Collie Proprietary.
Collie Coal Fields.



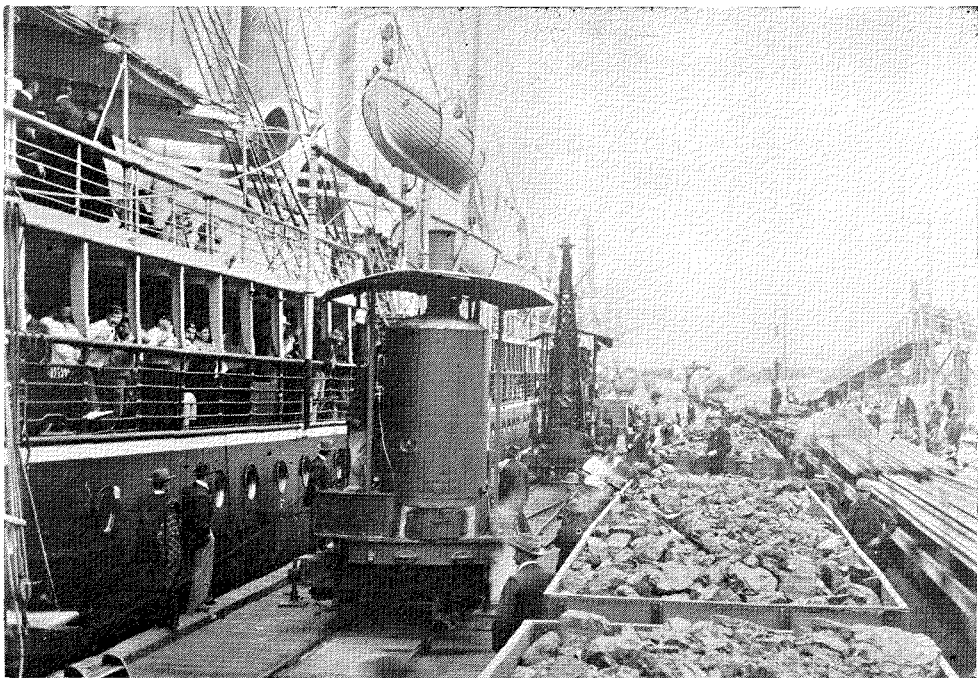
Collie Proprietary.
Collie Coal Fields.



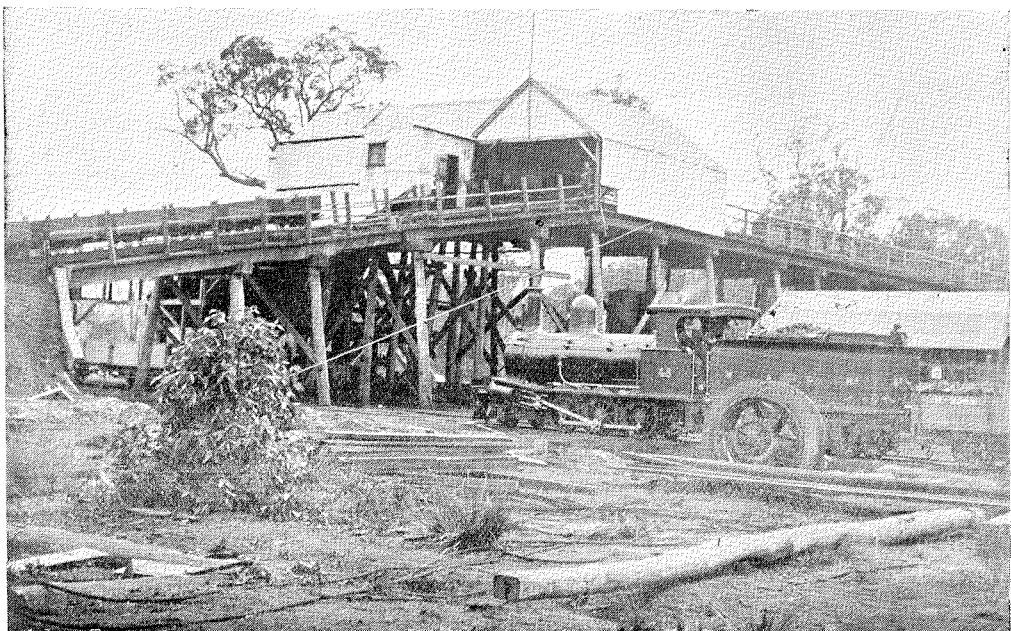
Collie Proprietary.
Collie Coal Fields.



The West Australian Collieries & Fireclay Co. Ltd.
Collie Coal Fields.



Loading Coal in R.M.S. "Arcadia."
Fremantle.



The Westralian Wallsend Colliery.
Collie Coal Fields.

TABLE G.
Mining Revenue 1899-1900.

	District.	Year 1899.		Year 1900.	
		£	s. d.	£	s. d.
Lease Rental under Goldfields Act	Collie	...	...	...	...
Other sources under Goldfields Act	Do	...	...	7	10 0
Lease Rental under Mineral Lands Act	Do	821	2 0	1,021	11 7
Other sources under Mineral Lands Act	Do	854	0 0	1,854	15 6
Survey Fees (Leases, Areas, etc.)	Do	8	8 0	793	0 0
Fees (Examination of Engine-drivers)	Do	14	0 0	15	10 0
Exemption Fees	Do	6	16 0	132	17 0
Receipts from Public Batteries	Do	...	...	...	...
Fees under Boiler Inspection Act	Do	...	...	...	...
Receipts from all other sources	Do	0	10 0	0	18 0
Total Mining Revenue ... ..	...	£1,704	16 0	£3,826	2 1

TABLE H.
Average number of Miners employed.

Coal Mining District.	Coal.		Alluvial.		Total.	
	1899.	1900.	1899.	1900.	1899.	1900.
	Collie River	192	400	192	400

TABLE J.
Ruling Rates of Wages during 1900.

	per week,	£	s.	d.
Surface Men	2	11	0
Miners below ground	*4	8	0
Miners wet ground	†
Engine-drivers	3	0	0
Mechanics	3	6	0
Carpenters	3	6	0
Labourers	2	11	0

* Average wage.

† Some managers give a bonus.

TABLE K.
** Yield of Coal for Year ended 1900.*

Coal Mining District.	Total Coal raised.		Estimated value at pit mouth.	
	1899.	1900.	1899.	1900.
Collie River	Tons. 54,336	Tons. 118,410	£ 25,951	£ 54,835

* For details, see Mining Statistics.

*Report on the Greenbushes Tinfield for the year 1900.**To the Under Secretary for Mines.*

SIR,

Greenbushes, 4th February, 1901.

Herewith I have the honour to forward, for the information of the Hon. the Minister, statistics showing the position of this field for the year 1900.

At first sight, these do not give a very encouraging idea of the field's progress; but when examined more closely they will, I consider, show that the field is in a better position than last year.

Whereas last year 654 miners won 278 tons only of black tin, this year 306 miners have won 436 tons. This, though not a proper proportion per man, is a considerable improvement.

The decrease in revenue has, of course, followed the declining population.

During the year the Smelting Company have erected their plant, and have proved a great help to the smaller miners, the larger part of the tin produced being now locally smelted.

Capital is still wanting for the development of the lodes, which ought in many cases to be good-paying properties if developed; but for that purpose there is no local capital whatever.

There is a small crushing and dressing plant in connection with the smelter, and when the Government plant is erected, as proposed, at the "Bunbury end," these, with the other small crushers on the field, will tend (as, indeed, they are already tending) to show a more regular monthly production of tin, irrespective of the season of the year.

The loan of a boring plant has also been promised by the Department to the Miners' Association, and this should be productive of good results.

Since my last report the water supply for domestic use has been improved, but the Government well at the Post Office still remains in an unfinished state. I understand, however, that a liberal offer has been made to the local Roads Board, which I trust will be accepted, to provide tanks and stand-pipes in the main street, if the cost of maintenance is defrayed locally.

During the year the new police quarters and lock-up have been finished, and additions made to the Miners' Institute; and, though building as a rule has been at a standstill in the town, the Anglicans, Roman Catholics, and Wesleyans have each erected a church.

Two separate schemes for supplying water to the field for mining purposes are now before the public, both promoters proposing to pump water from the Blackwood River for this purpose. Such schemes, if carried out, would probably prove of immense value to the field, by enabling the poorer alluvial, of which there is a large quantity, to be worked payably in bulk. Pending the completion of one or both of these, there is at present no startling development in the mining industry here. The general health of the field has been, as is only to be expected from its situation, excellent.

I wish to express my particular appreciation of the services of my Assistant Registrar.

I am, etc.,

W. A. G. WALTER,
Registrar Greenbushes Mining District.

TABLE A.

Applications for Leases, etc., under the Goldfields Act.—Nil.

TABLE B.

Applications for Leases, etc., under the Mineral Lands Act.

	Year 1899.	Year 1900.
Number of Mineral Leases applied for	143	61
Area of Mineral Leases applied for, in acres	2,913	1401a. 1r. 31p.
Number of Mineral Leases abandoned, surrendered, or forfeited	25	81
Number of Mineral Leases refused	19	5
Number of Mineral Leases in force	88	51
Area of Mineral Leases in force, in acres	1,977	1,179
Number of Water Rights in force	69	61
Area of Water Rights in force, in acres	19	...
Number of Lode Claims in force	4	5
Number of Alluvial Claims in force	299	262
Number of Protection Areas in force	4	...
Number of Residence Areas in force	221	132
Number of Business Areas in force	28	1
Number of Machine Areas in force	4	5
Number of Tailings Areas in force	4	4
Number of Garden Areas in force	2	1
Number of Mining Licenses issued during	988	330
Number of Quarry Licenses issued during	4	...
Number of Business Licenses issued during	28	1

TABLE C.

Table showing Number, Description, and Area of Mineral Leases in force.

Description of Minerals.	District.	Number of Leases.		Area in Acres.	
		1899.	1900.	1899.	1900.
Tin	Greenbushes ...	88	51	1,977	1,179

TABLE D.

** List of Ore-reduction Plants.*

Mining District.	Number of Stamps erected.		Value of Mining Machinery.	
	1899.	1900.	1899.	1900.
Greenbushes	†	‡	£ 1,655	£ 6,165

* For details, see Mining Statistics. † 3 Crushing Rollers. ‡ 1 Crushing Roller, 1 Dry Crusher, 11 Puddlers.

TABLE E.

Particulars of Mining Accidents.

	1899.	1900.
Number of men injured	1	1
Number of men killed	Nil.	Nil.

TABLE F.

Showing Estimated Population of Mining District on 31st December, 1900, as compared with 31st December, 1899.

Mining District.	Males.		Females.		Total.		Increase.	Decrease.
	1899.	1900.	1899.	1900.	1899.	1900.		
Greenbushes	620	471	312	265	932	736	...	196

TABLE G.

Mining Revenue 1899-1900.

	District.	Year 1899.	Year 1900.
Lease Rental under Goldfields Act	Greenbushes ...	£ s. d. ...	£ s. d. ...
Other sources under Goldfields Act	Do.	...	3 11 0
Lease Rental under Mineral Lands Act	Do.	397 15 0	278 4 6
Other sources under Mineral Lands Act	Do.	991 1 6	313 8 3
Survey Fees (Leases, Areas, etc.)	Do.	704 10 0	360 10 0
Fees (Examination of Engine-drivers)	Do.	...	...
Exemption Fees	Do.	161 8 0	143 15 0
Receipts from Public Batteries	Do.	...	...
Fees under Boiler Inspection Act	Do.	...	...
Receipts from all other sources ... ..	...	0 2 0	2 16 0
Total Mining Revenue ... ..	...	£2,254 16 6	£1,107 4 9

TABLE H.

Estimated Average Number of Miners employed.

Mining District.	Reef or Lode.		Alluvial.		Total.	
	1899.	1900.	1899.	1900.	1899.	1900.
Greenbushes	194	127	460	179	654	806

TABLE I.

Water Supply during Year 1900.

Mining District.	Average depth at which Salt Water is struck.	Average depth at which Fresh or Stock Water is struck.	Government Tanks : Number and Contents.	Average Rainfall.
Greenbushes	From 6 to 120ft., according to position	No tanks, 5 wells (contents unknown)	48'00

TABLE J.

Ruling Rates of Wages during 1900.

Miners above ground	...	...	...	...	per week,	£ s. d.
Miners below ground	...	...	...	...	"	2 8 0
Miners wet ground	...	...	...	...	"	2 14 0
Engine-drivers	...	...	...	...	"	3 6 0
Mechanics	...	...	...	...	"	...
Carpenters	...	...	...	...	"	3 6 0
Labourers	...	...	...	...	"	2 8 0

TABLE K.

** Yield of Black Tin for Year ended 1900.*

Mining District.	Total Yield in tons.		Value in £ sterling.	
	1899.	1900.	1899.	1900.
Greenbushes	277.32	435.62	£ 21,658	£ 29,528

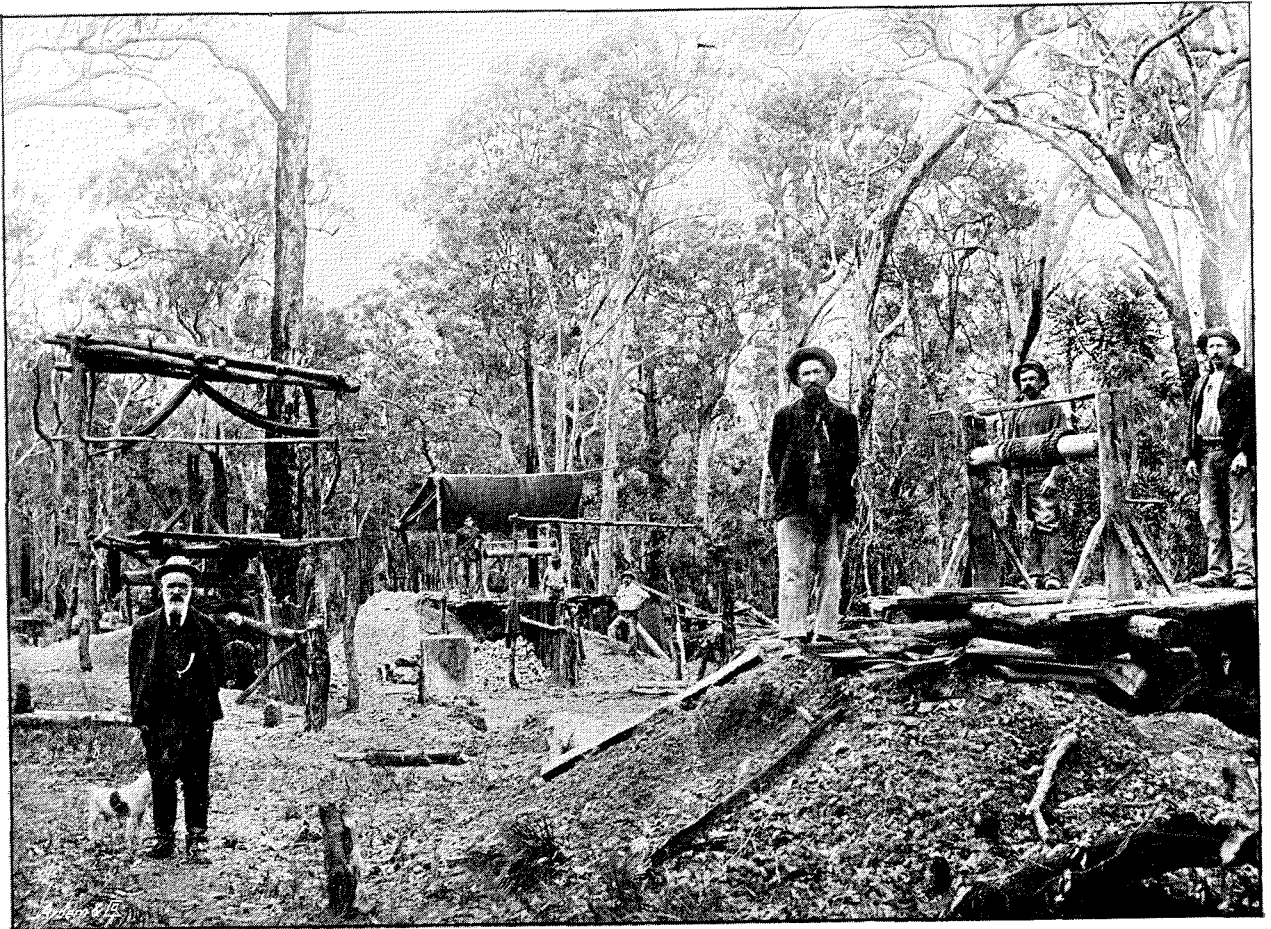
* For details, see Mining Statistics.



Gladstone Tin Mine (Open-face).
Greenbushes.



Gladstone Tin Mine (Puddlers at Work).
Greenbushes.



Alluvial Shaft.
Spring Gully, Greenbushes.



Gladstone Tin Mine (Washing Plant).
Greenbushes.



Bonanza Crusher and Puddler.
Spring Gully, Greenbushes.



Horan's.
Dumping Gully, Greenbushes.

Mining Registrar's Report, Northampton.

TABLE A.

Applications for Leases, etc., under the Goldfields Act.—Nil.

TABLE B.

Applications for Leases, etc., under the Mineral Lands Act.

	Year 1899.	Year 1900.
Number of Mineral Leases applied for	8	5
Area of Mineral Leases applied for, in acres	143	60
Number of Mineral Leases abandoned, surrendered, or forfeited	21	24
Number of Mineral Leases refused ... ..	...	...
Number of Mineral Leases in force	25	8
Area of Mineral Leases in force, in acres	441	105
Number of Water Rights in force ... ..	...	...
Area of Water Rights in force, in acres ... ..	...	...
Number of Lode Claims in force ... ..	...	...
Number of Alluvial Claims in force ... ..	...	...
Number of Protection Areas in force	4	...
Number of Residence Areas in force... ..	...	...
Number of Business Areas in force ... ..	...	...
Number of Machine Areas in force ... ..	...	...
Number of Tailings Areas in force ... ..	...	...
Number of Garden Areas in force ... ..	...	...
Number of Mining Licenses issued during	50	13
Number of Quarry Licenses issued during ... ..	...	...
Number of Business Licenses issued during ... ..	...	...

TABLE C.

Table showing Number, Description, and Area of Mineral Leases in force.

Description of Minerals.	District.	Number of Leases.		Area in Acres.	
		1899.	1900.	1899.	1900.
Lead and Copper... ..	Northampton	18	5	260	60
Do. do.	Yandanooka	3	1	60	20
Lead, Copper, and Blend	Northampton ... ..	...	1	...	5
Copper	Yandanooka	2	1	68	20
Do.	Northampton	1	...	40	...
Copper, Lead, and Silver	Do.	1	...	13	...
Total ... ..	...	25	8	441	105

TABLE D.

List of Ore-reduction Plants.—Nil.

TABLE E.

Particulars of Mining Accidents.—Nil.

TABLE F.

Showing Population of each Mining District on 31st December, 1900, as compared with 31st December, 1899.

Mining District.	Males.		Females.		Total.		Increase.	Decrease.
	1899.	1900.	1899.	1900.	1899.	1900.		
Northampton	} 431 {	380	} 361 {	175	} 792 {	555	} ... {	200
Geraldine		14		4		18		
Yandanooka		14		5		19		
Total	431	408	361	184	792	592	...	200

TABLE G.
Mining Revenue 1899-1900.

	District.	Year 1899.		Year 1900.	
		£	s. d.	£	s. d.
Lease Rental under Goldfields Act	Northampton	...	...	...	...
Other sources under Goldfields Act	Do. ...	...	...	...	...
Lease Rental under Mineral Lands Act	Do. ...	120	11 3	22	18 9
Other sources under Mineral Lands Act	Do. ...	47	0 6	10	19 8
Survey Fees (Leases, Areas, etc.)	Do. ...	59	17 6	20	0 0
Fees (Examination of Engine-drivers)	Do. ...	...	...	...	...
Exemption Fees	Do. ...	24	2 0	17	10 0
Receipts from Public Batteries	Do. ...	...	...	...	...
Fees under Boiler Inspection Act	Do. ...	...	...	...	...
Receipts from all other sources	Do. ...	0	17 0	0	12 0
Total Mining Revenue		£252	8 3	£72	0 5

TABLE H.
Average number of Miners employed.

Mining District.	Reef or Lode.		Alluvial.		Total.	
	1899.	1900.	1899.	1900.	1899.	1900.
	Lode.					
Northampton	20	4	...	...	20	4
Geraldine	20	...	...	...	20	...
Yandanooka	10	4	...	...	10	4
Total	50	8	...	...	50	8

TABLE I.
Water Supply during Year 1900.

Mining District.	Average depth at which Salt Water is struck	Average depth at which Fresh or Stock Water is struck.	Government Tanks—Number and Contents.	Average Rainfall.
Northampton	20 feet	...	26.88
Geraldine	20 feet	...	...
Yandanooka	30 feet	...	...

TABLE J.
Ruling Rates of Wages during 1900.

	per week,	£ s. d.	£ s. d.
Miners above ground	2 10 0	
Miners below ground	2 15 0	
Miners wet ground	3 0 0	to 3 10 0
Engine-drivers	2 10 0	„ 3 0 0
Mechanics	3 10 0	„ 4 0 0
Carpenters	3 0 0	„ 3 10 0
Labourers	2 5 0	

TABLE K.
Yield of Minerals, other than Gold, for Year ended 1900, as compared with 1899.

	1899.		1900.	
	Quantity.	Value.	Quantity.	Value.
	tons.	£	tons.	£
Copper Ore	136.00	2,122	...	...
Lead Ore	82.75	912	268.00	533
Total ... ..	...	3,034	...	533

Report by the Superintendent of Public Batteries for the year 1900.

The Under Secretary for Mines.

SIR,

In presenting my third Annual Report on the work done at the Public Batteries, for the information of the Hon. the Minister, I have the honour to state that at the beginning of last year seven batteries were crushing out of the 10 originally erected; the three closed down being Bulong, of which 10-head were erected at Widgiemooltha, and 10-head being erected at Mulline; the Yalgoo Battery, which is now working at Paynesville; and the Yerilla Battery, which was removed to Niagara.

A 5-head battery has been erected at Donnybrook, and a 10-head battery is nearing completion at Meekatharra.

As stated in my last year's Report, the Mulline Battery is still the most successful, the district producing good monthly tonnage of payable stone, and the decision arrived at to give an additional 10-head of stamps will no doubt incite the prospectors to further continued energy to supply stone.

The accumulation of tailings has warranted the granting of a cyanide plant, which is in course of erection, and, under ordinary conditions, will be treating tailings within the next three or four months.

The Ida Battery has also had a very successful run during the 12 months. At last report water was being purchased to run this battery from the Ida Consols Co. On this company deciding to suspend operations, they offered their winding and hauling appliances, with lease, to the Department, which was taken over for the sum of £350. This purchase at once enabled the battery to get a supply of water at fully £25 per month less than the original agreement. As this Department had no desire to close the lease against further prospecting, they accepted an offer from prospectors in the district to work it on tribute, for which the sum of £100 was paid for a 12 months' privilege. So far they have provided a very fair amount of crushing for the battery. The battery at Ravelstone, which had just started at the beginning of the year, has not proved the success which was anticipated. The value of most of the lodes is not high, yet there is sufficient work going on to justify the battery being erected, and returns may improve on development, if such is not hampered by dissension amongst the prospectors.

The Paynesville battery has only been running two months; while the Niagara and Donnybrook batteries have only had one crushing each, and it is premature to speak with certainty as to their future.

Niagara, as yet, is short of a sufficient water supply; while Donnybrook is a new field, and only by crushing will we be able to prove the value of the lodes there.

The Widgiemooltha battery has proved very disappointing, and it is more than likely that, owing to the poor returns, prospectors will turn their attention elsewhere, and thus compel us to close down. This will be regrettable, as the district has a promising appearance, and has, probably, been too long without crushing appliances, causing that energy so essential to the welfare of a mining district to die out, leaving only a small apathetic class to attempt development, which proves unsuccessful.

During the year the Lennonville battery has, after considerable expense, obtained an adequate supply of water, which, unfortunately, is not of good quality for boiler purposes. A new boiler had to be supplied to this battery. The output of stone has been fair.

The Leonora battery has not been kept fully engaged, but has supplied a want to the district, which would be much felt if removed.

The most unsuccessful batteries for the year have been the Tuckanarra and Norseman.

At the former place very little stone has been forthcoming, and I have little doubt but that prospectors in this district could assist much more than they do. Some districts clamour for a battery, and once having it in their midst, fail to recognise the evil effects on the district by its removal.

At Norseman, stone has been very scarce; a cyanide plant has been started to treat the accumulation of tailings, and owing to the slimy nature of the bulk, a filter press has been decided upon. It has also been arranged to place a Fouche condenser at this battery, owing to the trouble to condense the very salt water. It is to be hoped that the prospectors in the Norseman district will not fail to recognise the heavy expense the Department has been put to through this battery, and assist to place it on as creditable a footing as some of the other batteries. During the year, 22,434 tons have been crushed, showing an increase over the previous year's work of 3,628 tons. The gold yield was 24,063ozs. 18dwts. 1gr., giving an average of 1oz. 1dwt. 10grs. per ton.

The quantity of stone crushed at Public batteries from their inception is detailed in a separate return, the total being 41,968 tons, yielding 45,377ozs. 9dwts. 22grs., or an average of 1oz. 1dwt. 15grs. per ton, thus showing that the average for last year, compared with the whole output, has been similar, and is an exceedingly good average to maintain over such an extensive area, such as the Public batteries cover.

The batteries which have been allotted to different localities, have, in very few instances indeed, touched upon or interfered with private enterprise, and very much of the gold obtained by their agency, would not otherwise have been recovered. It is to be hoped that the prospectors whom success has followed, through the assistance given them by these Public batteries, will have had sufficient foresight to continue development work beyond that primitive stage incidental to all mining ventures in their earliest career.

I desire to place on record the very courteous manner in which the Government Assayer has responded to the many calls made upon his time during the year in assaying samples of tailings submitted from the different batteries, and making analysis of water when requested.

An item of expense in the working of the batteries, and one which is gradually on the increase, is that of firewood. Each year is bringing with it a demand for an increase in price, and it is questionable if we will not be forced to ask an equivalent increase in price of crushing to meet this expenditure. Bearing this in view, it is earnestly hoped that prospectors will recognise the fact, and do all in their power to keep the Batteries constantly engaged, and thus reduce the consumption of firewood per ton, which is much increased when the batteries are run intermittently.

Perth, 16th May, 1901.

DAVID H. WHITE,
Superintendent Public Batteries.

GOVERNMENT PUBLIC BATTERIES.

Return showing number of Tons crushed, Gold Yield, and Average per Ton for Year ending 31st December, 1900.

Name of Battery.	Tons crushed.	Gold Yield.			Average.		
		ozs.	dwts.	grs.	ozs.	dwts.	grs.
Donnybrook	153	46	18	0	0	6	3
Lennonville	2,459	3,674	11	12	1	9	21
Mount Ida	4,800	5,109	15	3	1	1	7
Mount Leonora	2,546	1,940	17	15	0	15	6
Mulline	6,206	8,017	6	14	1	5	20
Niagara	150	117	6	0	0	15	15
Norseman	1,927	1,363	18	2	0	14	4
Paynesville	660	513	2	0	0	15	13
Peak Hill	2,072	2,049	1	0	0	19	18
Tuckanarra	933	1,082	14	11	1	3	5
Widgiemooltha	587	170	2	16	0	5	19
Total for 1900	22,493	24,085	13	1	1	1	10

GOVERNMENT PUBLIC BATTERIES.

Return showing number of Tons crushed, Gold Yield, and Average per Ton from Inception to 31st December, 1900.

Name of Battery.	Tons crushed.	Gold Yield.			Average.		
		ozs.	dwts.	grs.	ozs.	dwts.	grs.
1. Bulong	3,059	2,286	5	9	0	14	22
2. Yerilla	1,719	1,188	17	22	0	13	20
3. Yalgoo	1,240	742	9	0	0	11	23
4. Mulline	9,784	12,857	9	18	1	6	6
5. Mt. Ida	7,197	8,418	19	18	1	3	9
6. Lennonville	3,975	5,122	9	21	1	5	18
7. Norseman	4,397	3,271	12	4	0	14	21
8. Mt. Leonora	4,907	3,630	10	23	0	14	14
9. Ravelstone	2,071	2,049	1	0	0	19	19
10. Tuckanarra	2,069	4,984	0	11	2	9	8
11. Niagara	150	117	6	0	0	15	15
12. Widgiemooltha	587	170	2	16	0	5	19
13. Paynesville	660	513	2	0	0	15	13
Total	41,968	45,399	4	22	1	1	15

THE GOVERNMENT PUBLIC BATTERIES.
Revenue and Expenditure for the Year ending 31st December, 1900.

Name of Battery.	Loan.	Wages and Salaries.	Maintenance.	Receipts.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Mount Leonora	102 6 8	1,580 19 1	864 2 0	2,232 10 3
Mulline	1,568 12 8	3,025 8 4	1,584 6 11	4,956 7 4
Ravelstone	2,099 10 10	1,815 4 5	1,401 0 5	2,071 10 0
Mount Ida	659 7 4	2,725 3 4	1,670 14 6	4,795 16 3
Yerilla	122 10 6	419 15 0	66 7 6	71 11 6
Paynesville	2,414 16 11	309 2 10	180 5 9	477 12 6
Norseman	1,953 2 6	2,255 2 3	1,888 19 2	1,454 9 6
Tuckanarra	457 2 8	1,164 9 9	481 0 9	871 8 1
Head Office	38 12 10	742 10 0	77 12 1	...
Widgiemooltha	2,282 11 10	374 6 3	285 9 8	435 17 3
Meekatharra	3,409 7 11	...	15 13 5	...
Yalgoo	15 18 8	102 13 10	170 8 10	63 6 9
Niagara	2,182 13 9	...	25 3 6	111 15 0
Donnybrook	1,509 7 11	84 6 0	30 5 6	114 15 0
Bulong ... ..	...	623 11 10	244 9 10	54 13 9
Lennonville	2,059 19 7	1,555 9 10	1,553 12 9	1,994 17 6
	20,876 2 7	16,778 2 9	10,539 12 7	19,706 10 8
By credit to Bulong Battery by sale of machinery	105 10 0	...	...	...
Total	20,770 12 7	16,778 2 9	10,539 12 7	19,706 10 8

THE GOVERNMENT PUBLIC BATTERIES.
Expenditure from General Loan Fund—From Inception of Scheme to 31st December, 1900.

Name of Battery.	Amount.
	£ s. d.
Bulong	5,959 11 4
Mount Leonora	6,180 13 6
Mount Ida	9,359 10 3
Mulline	8,375 19 9
Lennonville	6,403 1 5
Norseman	6,439 0 1
Tuckanarra	6,294 5 1
Yerilla	8,061 19 9
Yalgoo	4,813 8 1
Ravelstone	6,491 9 5
Paynesville	2,433 4 11
Niagara	2,252 16 4
Widgiemooltha	2,280 14 4
Meekatharra	3,407 8 11
Head Office	236 13 9
Donnybrook	1,518 19 11
Total	£80,508 16 10

Statement of Receipts and Expenditure in connection with the Government Public Batteries for the Year ending 31st December, 1900.

Loan Expenditure.	Loan Expenditure from Inception.	Loss on Working Expenses, including Head Office Salaries, 1900.	Total Loss to 31st December, 1900.	Number Batteries working at end of 1900.	New Batteries erected during 1900.	Batteries removed and re-erected during 1900.
£ s. d.	£ s. d.	£ s. d.	£ s. d.			
20,770 12 7	80,508 16 10	7,611 4 8	12,871 3 4	Eleven (11)	Two (2)	Three (3)

THE GOVERNMENT PUBLIC BATTERIES.

Statement showing Transactions for the Year ending 31st December, 1900.

Goldfield.	District.	No. stamps.	Quartz crushed.	Gold Yield.	Average yield per ton.	Crushing charges per ton.	Revenue.	Expenditure.	Profit.	Loss.	Cost crushing per ton.
			tons. cwt.	oz. dwt. gr.	oz. dwt. gr.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Mount Margaret...	Mount Leonora...	10	2,546 0	1,940 17 15	0 15 6	0 15 0	2,232 10 3	2,445 1 1	...	212 10 10	0 19 2
North Coolgardie	Mount Ida...	10	4,800 0	5,109 15 3	1 1 7	16/ to 20/	4,795 16 3	4,395 17 10	399 18 5	...	0 18 3
Do.	Mulline...	10	6,206 0	8,017 6 14	1 5 20	0 15 0	4,956 7 4	4,609 15 3	346 12 1	...	0 14 10
Peak Hill...	Ravelstone...	10	2,072 0	2,049 1 0	0 19 18	1 0 0	2,071 10 0	3,216 4 10	...	1,144 14 10	1 11 0
Murchison...	Paynesville...	5	660 0	513 2 0	0 15 13	0 15 0	477 12 6	489 8 7	...	11 16 1	0 14 9
Dundas...	Norseman...	10	1,927 0	1,363 18 2	0 14 4	15/ to 17/	1,454 9 6	4,144 1 5	...	2,689 11 11	2 3 0
Murchison...	Tuckanarra...	10	953 0	1,082 14 11	1 3 5	0 15 0	871 8 1	1,645 10 6	...	774 2 5	1 15 3
Coolgardie...	Widgiemooltha...	10	587 0	170 2 16	0 5 19	0 15 0	435 17 3	659 15 11	...	223 18 8	1 2 5
Mount Magnet...	Lennonville...	10	2,459 0	3,674 11 12	1 9 21	0 15 0	1,994 17 6	3,109 2 7	...	1,114 5 1	1 5 8
Murchison...	Meekatharra...	10	...	...	...	0 17 6	...	15 13 5	...	15 13 5	...
North Coolgardie	Niagara...	10	150 0	117 6 0	0 15 15	0 15 0	111 15 0	25 3 6	86 11 6	...	0 3 4
Donnybrook	Donnybrook	5	153 0	46 18 0	0 6 3	0 15 0	114 15 0	114 11 6	0 3 6	...	0 14 11
	Head Office		...	...	...	...	...	820 2 1	...	820 2 1	...
			22,493 0	24,085 13 1	...	...	19,516 18 8	25,690 8 6	833 5 6	7,006 15 4	...
North Coolgardie*	Yerilla...	...	92 15	51 4 17	...	...	71 11 6	486 2 6	...	414 11 0	...
Yalgoo*	Yalgoo...	...	90 0	59 0 4	...	...	63 6 9	273 2 8	...	209 15 11	...
N.E. Coolgardie*	Bulong...	...	...	...	...	...	54 13 9	863 1 8	...	813 7 11	...
			22,675 15	24,195 17 22	...	...	19,706 10 8	27,317 15 4	833 5 6	8,444 10 2	...

* The above-mentioned batteries were closed down and dismantled prior to 31st December, 1899, but owing to the accounts not coming to hand until after January, 1900, the figures have to be included in this year's return.

Return showing the Comparative Number of Days the Batteries worked during the Year 1901.

Battery.	Period of Battery running.	Days worked of 24 hours.	Percentage of available time.	Remarks.
Mulline	12 months	271	86.6	Ran full time, only ordinary stoppages for repairs and overhaul being necessary.
Leonora	Do.	115	37.7	Want of stone.
Ida	Do.	196	62.6	Complied with requirements of district.
Lennonville... ..	Do.	104	33.2	Shortness of stone and loss of time in renewal of boiler.
Ravelstone	Do.	90	28.7	Stone not forthcoming, but apparently in district.
Norseman	Do.	140	44.7	Only crushed 60 per cent. of the quantity treated at other batteries in the same time owing to light stamps.
Tuckanarra	Do.	41½	12.9	Want of stone.
Widgiemooltha	3 months	30½	39.1	Scarcity of stone.
Donnybrook	1 month	...	...	Only started during month.
Niagara	Do.	9½	36.5	Only started during month.
Paynesville	3 months	48	61.5	Started well but falling off rapidly.

Report by the Chief Inspector of Boilers for the Year 1900.

The Under Secretary for Mines.

SIR,

I have the honour to submit my second Annual Report on the operations of this Branch for the year ending 31st December, 1900, for the information of the Hon. the Minister.

2. Accompanying this Report is a tabulated Statement showing the total number of boilers registered in each district up to that date, also the number inspected and Revenue derived from same during the year, together with other interesting data.

3. The total amount of revenue received from all the proclaimed districts during the year was £2,664 6s. 6d., and the total expenditure from all sources amounted to £3,363 19s. 10d., which figures have been furnished by the Chief Accountant and shows a debit balance of £699 13s. 4d. Although this does not appear at first sight very satisfactory, I do not see how the Branch can be made self-supporting under existing conditions, when the circumstances are considered. The very scattered and remote places entailing heavy travelling expenses where boilers are located in most districts, and the comparatively small amount of revenue derived from such places, is accountable for the heavy expenditure. The utmost economy is observed, and the Inspectors individually use every endeavour to keep down the expenditure under my direct supervision. I may state that neither the Machinery Acts of Tasmania or New Zealand (which also embraces boilers) are self supporting, though revenue is also derived from the Inspection of Machinery which is done by the same Inspector when examining boilers.

4. You will observe from the appended statement that the total number of boilers registered in the proclaimed districts on the 31st December last was 2,207 which equals a total N.H.P. of 29,021·18 based on grate bar area (which can only be considered approximate on that basis), being a net increase of 721 boilers for the year, there being a total of 1,486 registered on 31st December, 1899. There were only 954 boilers on the books when I was appointed on August 1st, 1899.

5. The boilers registered are classified as follows:—

(a.) Total number of boilers of 8 H.P. and under	...	...	...	666
(b.) Total number of boilers of 15 and over 8 H.P.	...	...	...	756
(c.) Total number of boilers over 15 H.P.	...	...	...	785
Total	...	...	...	<u>2,207</u>

6. The total number of Inspections carried out during the year were 2,553. During same period there were 133 boilers temporarily condemned pending important repairs being effected, and 11 were permanently condemned as being beyond repair. Of the former 35 have been repaired and brought into use again.

7. The total number of boilers "Temporarily condemned" and those "Permanently condemned" in the relation to those inspected are 5·21 per cent. and 4·98 per cent. respectively. The former as anticipated is a considerably higher percentage than that given in my 1899 report; there being so many old and neglected boilers principally in the South-Western District, which only came under the provisions of the Act during the early part of the year. This, no doubt, has proved a severe lesson to those neglectful owners, and the sound practical advice imparted by the Inspectors by direction, I am pleased to state, has been the cause of showing a marked improvement in the safe working and maintenance of their boilers which has been observed for some time past; but there is still ample room for further improvement in this direction.

8. I purpose as early as possible during the current year, if it should meet with the Hon. the Minister's approval, to compile a short table of instructions and suggestions (with a view of minimising danger as much as possible) for the use of boiler attendants and owners, which should be posted in the boiler house or other suitable position, and which would be the means of imparting a few useful hints on the proper management and care necessary in the maintenance and safe working of a boiler. I find that something of the sort is necessary in view of the ignorance displayed by some attendants in charge, and the Regulations and Amendments to "The Steam Boilers Act, 1897," which have been framed for the consideration of the Hon. the Minister, under which boiler attendants (with a few exceptions) will be required to hold certificates issued by a Board of Examiners, will be a step in the right direction.

9. During the year under review it was considered expedient to appoint an Inspector of Boilers (quite apart from the Mines work) for the East Coolgardie District, which position was held by the Inspector of Mines (Mr. Lander), Mr. E. P. Lee one of the Assistant Inspectors of the South-Western District was promoted to that position, and his appointment dated from 18th September. Two (2) Assistant Inspectors were appointed for the South-Western District during the year, one (1) on the 17th January, 1900, and the other on 17th September last. There being a total of ten (10) Inspectors under the Act to date, six (6) of whom are also Inspectors of Mines. Mr. W. H. Williams, who occupied the position of Inspector of Boilers and Mines for the Norseman district, and who also assisted in the same capacity in the Coolgardie district, resigned on the 31st March, 1900, and his position was filled by the appointment of Mr. W. M. Deeble on 16th May last.

10. I regret to state that in some of the Goldfield Districts the inspection work is not quite up to date, which is due to the great distances that have to be travelled by some of the Inspectors, and also to the multifarious duties attached to the position of Inspector of Mines, and I am of opinion, that in some cases at any rate, the duties of Inspector of Boilers and Mines should be quite distinct, as some of the officers have somewhat more than they can manage, in order to keep their work anything like up to date. I do not wish to infer that I am dissatisfied with the energy displayed by these officers in carrying out their many duties, on the contrary, so far as this Branch is concerned, I am well satisfied in this direction, and have every confidence that they do their best under trying circumstances in the interests of the Department as a whole.

11. You will note from the tabulated return that 995 boilers have been fitted in accordance with the Act, also there are approximately 603 out of use, which will be fitted before being used, of the remainder, the time allowed to attach the fittings had not expired on 31st December, but no doubt they will all be fitted within reasonable time.

12. I am glad to be able to state that scarcely a single complaint of any consequence was received during the year, which, I think, may be taken for granted that the Inspectors have carried out their duties in a satisfactory manner.

13. I am pleased to be able to place on record that the staff have worked enthusiastically and faithfully in the interests of the Branch during the last twelve months.

Perth, 4th February, 1901.

C. J. MATHEWS, M.I., M.E., ETC.,
Chief Inspector of Boilers.

STEAM BOILERS ACT, 1897.

Statement showing Operations for Year ending 31st December, 1900.

Districts.	Number of Inspectors.	Total Number of Boilers Registered.	Boilers fitted in accordance with the Act.	Approximate No. "Out of Use" on 31-12-1900.	H.P. represented based on grate bar area.	Number of Boilers Inspected once.	Number of Boilers Inspected twice.	Total Number of Inspections.	Number of Boilers temporarily condemned.	Number of Boilers repaired and brought into use.	Number of Boilers permanently condemned.	Fees paid to Revenue.	Remarks.
South-Western	3	800	372	260	7782.57	668	402	1070	92	22	6	£ s. d. 851 1 6	One Assistant Inspector appointed 17th January, and the other 17th September. One Inspector is also Inspector for Dundas District. The Inspector's Head Quarters are in Coolgardie District, where he is mostly occupied. District not yet proclaimed. Inspector not yet appointed.
Coolgardie and Yilgarn	2	238	108	64	3240.79	195	163	358	13	7	1	350 10 0	
East Coolgardie	1	430	225	81	7369.37	339	65	404	2	1	...	610 0 0	
North-East Coolgardie and Broad Arrow	1	137	103	21	2115.03	122	90	212	7	3	...	228 0 0	
Murchison, Peak Hill, and Yalgoo	1	237	79	76	3481.91	165	42	207	13	2	3	220 10 0	
North Coolgardie	1	136	72	58	2928.00	122	17	139	1	...	1	230 5 0	
East Murchison and Mount Margaret	1	166	14	27	1270.26	100	18	118	4	...	...	133 10 0
Dundas	...	44	22	16	550.98	29	16	45	1	...	..	40 10 0
Pilbarra and West Pilbarra	...	19	...	...	282.27	...	...	...	...	...	...	...
Grand Totals	10	2207	995	603	29021.18	1740	813	2553	133	35	11	2664 6 6	

Report by Inspector of Mines for the North-East Coolgardie and Broad Arrow Goldfields for the year 1900.

The Under Secretary for Mines, Perth.

SIR,

I have the honour to submit my annual Report for the year ending 31st December, 1900, for the information of the Honourable the Minister of Mines.

During the year, each mine on both this and the Broad Arrow Goldfield has been inspected three (3), and in several instances, four times; when necessary, the defects have been recorded, in accordance with Section 22, paragraph 3, of Mines Regulations Act, and I must say that in each instance they have been remedied as early as possible.

VENTILATION.

I am pleased to be able to say that all the larger mines are well ventilated, and every level in each is connected by one or more rises. I am also pleased to find that the filling up of the worked-out ground by cyanide tailings is not so detrimental to the health as was supposed some two years since; that is, provided they are subjected to a reasonable exposure to the atmosphere before being dumped below.

SAFETY APPLIANCES.

I am now able to report that each of the large and more extensively opened mines in the districts are supplied with safety hooks and cages, also winding indicators, as required by the Mines Regulations Act. During the year 13 cages have been tested.

LADDERWAYS.

I can safely say that each mine is now supplied with a proper ladderway from one level to the other as a means of exit in case of accident. I am also glad to say that the platforms in the shafts in no case exceed 45ft. from one to the other, and they are so arranged that, in event of a man falling off the ladder, he would be caught by the next platform.

I would again suggest that a universal code of signals be adopted.

EXPLOSIVES.

As regards the storage and handling of the above, I have been very particular in trying to enforce the general rules in reference to the same. During the year, there has been one slight accident by explosives, whereby a man had his hand slightly injured. Although the charge did not explode, still there was a slight explosion; and, in order to get the Chief Inspector of Explosives' opinion *re* cause of same, a sample of the fuse, etc., that was being used was sent him, and he replied condemning the fuse as very faulty.

ENGINE-DRIVERS' EXAMINATIONS.

Two examinations have been held during the year, at which 102 candidates presented themselves. 5 First-class and 28 Second-class certificates of Competency, also 1 First-class certificate of Service, and 1 Second-class certificate of Service, together with 13 Learners' Permits, and 5 Copies of old or lost certificates, were issued, while the remaining 49 failed.

STEAM BOILERS ACT.

I have devoted a large amount of my time to this work, as it, no doubt, is an important branch of my duty. During the year, I have made 214 inspections, resulting in one boiler being condemned permanently, and three temporarily.

As regards the safety fittings, I must report a willingness to comply with the Act, there being not a boiler now in use but that is fitted in accordance with Clauses 10 and 11 of the same.

ACCIDENTS.

I am sorry to say that during the year under review, on each of these fields, accidents have been slightly more numerous. On the Broad Arrow field there have been ten accidents, of which five ended fatally. On the North-East Coolgardie field, there have been nine, out of which four ended fatally. You will notice that of those that ended fatally only two were caused by "falls of ground," and one of them was in an open cut and on the surface. This, I consider, plainly demonstrates the great care that is being taken in the timbering of the underground workings. Most of those reported as being injured were only of a very trivial nature.

MINING ON NORTH-EAST COOLGARDIE GOLDFIELDS.

Since my last annual Report I have made 103 inspections of mines and machinery, and 48 inspections of gold mining leases on this field. Since the amended Mines Regulation Act has been in force my work has been materially increased, as all the small mines and prospecting claims, etc., now come under my control. On the lead there are from 30 to 40 of these claims being worked, and employing about 100 men, who, up to the present, have been trying to work them as cheaply as possible. In one or two instances the owners have been timbering in accordance with the Act, but the majority have endeavoured to do without timber, thereby in many cases exposing themselves to great danger.

The White Feather Main Reef.—During the past year the machinery on this mine has been considerably augmented; for instance, new poppet legs have been erected; rock drills with air compressor for working same have been installed. A pumping engine has also been provided, so that the winding engine is now confined to winding only. The shaft has now reached the depth of 500 feet, and the lode is opening up splendidly.

Last Chance Gold Mine.—Here a steam rock-drill has been added to the plant, which has been the means of the lode being struck at a deeper level, and, I am pleased to say, of a payable nature.

Kanowna Consolidated Mine.—Since my last a 10-head battery has been erected on this mine, also two 40-ton vats and two of 60 tons capacity. I am sorry to say that, owing to the insufficient supply of water available, the battery has only been kept going a portion of the time.

Robinson Gold Mine Company.—Some three years ago the shaft on this mine was sunk to the 200 feet level, but during the last twelve months operations under new management have commenced again below, and a winze sunk connecting the 100 and 200 feet levels, and the lode is very strong and of a payable character. There being from 30 to 40 thousand tons of tailings on this mine, the erection of a number of cyanide vats is contemplated.

MINING ON BROAD ARROW FIELDS.

During the year I have made 59 inspections of mines and 23 inspections of gold mining leases on this field.

Paddington Consols Gold Mine.—Filter presses, also rock drill and air-compressor for working same have been erected on this mine. The shaft has now been sunk to the 400 feet level, and from levels Nos. 1, 2, and 3 about 2,000ozs. of gold per month has been obtained. Owing to the late strike, this company during the year has been working at a great disadvantage, but are now progressing favourably.

Golden Arrow Gold Mine.—In this shaft good development work is being carried on at the 500 feet level, and the 20-head battery is kept continuously at work on payable ore. I anticipate good results from this mine should the company decide to continue sinking.

Half-Mile Reef.—There is now a 20-head battery erected here, but, owing to the owners wishing to push on with development work, it has not been kept continuously at work; however, the mine is opening up splendidly, and I anticipate good results from it in the near future.

Mount Corlic Gold Mine.—This mine has been supplied with a good plant, consisting of poppet-heads, winding engine, and a 10-head battery, complete. Still, the battery has not crushed full time, owing to the limited supply of water, which has been a great drawback to the owners.

In conclusion, I must say that the prospects of both these fields are of an encouraging nature.

I wish also, before closing, to state that I feel greatly indebted to Mr. Lockhart, my clerk, for the able and ready assistance rendered me at all times.

I have, etc.,

GEORGE JENKYN,

Inspector of Mines.

Kanowna, 3rd January, 1901.

*Report of the Inspector of Mines on the Central Goldfields for the year 1900.**To the Under Secretary for Mines, Perth.*

SIR,

Cue, 22nd March, 1901.

I have the honour to submit, for the information of the Honourable the Minister, my fourth Annual Report on the administration and working of "The Mines Regulation Act, 1895," and amendments, upon the Central Goldfields for the year 1900.

I am pleased to report that generally, where practicable, the conditions imposed by the Mines Regulation Act are being fairly well carried out on the Yalgoo, Murchison, Peak Hill, and East Murchison Goldfields.

During the year under review 31 accidents have occurred, in which 3 men were killed and 31 were injured.

Goldfield.	Accidents.	Killed.	Injured.
Peak Hill	7	...	7
East Murchison	9	...	9
Murchison	12	3	10
Yalgoo	3	...	5
Total	31	3	31

The majority of accidents being due to falls of quartz or the hanging-wall of the reef, is not at all creditable to either miner or underground manager.

Many were due to extreme carelessness and lack of ordinary forethought; a "tom" and head-board would in many cases have avoided the whole thing. All the inspection in the world will not reduce this class of accident if the miner himself does not realise danger and take measures to prevent falls of ground.

In many cases I have found men working in stopes at the close of their shift, and working ground that required timber, and plenty of timber, in the drive below. When interrogated as to why a "tom" was not immediately cut and put in position the invariable reply was, "I will leave it for the next shift; it is too much trouble to go down to the drive to get the timber." And if the underground manager is not always on the alert accidents take place, and it has forcibly impressed itself on me that accidents nearly always occur at the beginning of a shift or at the finish.

I have not been able to trace any accident due to defective working plant or dangerous working places. I have insisted on stopes being well filled at all times in every mine on the field.

Men working continually at the face evidently get so accustomed to the dangers that surround them on every hand that they no longer look upon it as such. Only by strict attention to and enforcement of the Act can these accidents be prevented.

It is not sufficient that officials provide "toms" and head-boards, or half-sets; it is imperative that they see that such are used, as the requirements and circumstances demand. This is plainly the duty of the underground boss, and I have impressed it on them very forcibly during the year.

Mine Inspection.—During the year three inquests were attended by me, and in one case the jury returned a verdict of negligence against the mine officials, in connection with the breaking of a $\frac{3}{4}$ in. extra plough steel wire rope—breaking strain, from 18 to 20 tons.

The rope had been upon the mine for some four years—on the Day Dawn West shaft—but had done very little work, in fact, no work at all, and a fathom of the rope weighed by me showed no loss by wear, and equalled its weight when new.

The breaking of the rope was due, in my opinion, to water from the mine getting into the internal core of the rope and starting corrosion from the inside, which could not be detected from outside, showing how essential constant care and greasing are whilst ropes are in use, especially on these fields where the mine waters contain acids.

This, I believe, was the only cage accident through breakage of rope recorded during the year. This incident, however, indicates that the usual absence in this State of accidents from this cause is due, in a large measure, to the careful inspection by inspectors of winding ropes and attachments.

The general conditions of the mines on the Central Goldfields may be regarded as safe, and ventilation is at present all that could be desired, but, of course, as sinking and exploratory work is continued, it will require more attention than it at present receives.

Mine Management.—In regard to mine management there is a decided improvement, and it is a pleasing duty to record that, as a rule, managers endeavour to comply with the requirements of the Act, and in no instance have they declined to accept suggestions for the further protection of their men. That the Mines Regulation Act is complied with is shown by the fact that managers' omissions in this respect have been so promptly made good that no prosecution has been deemed necessary.

Engine-drivers.—Engine-drivers' examinations have been held at the following places during the year, viz., thrice at Mount Magnet, twice at Cue and Rothesay, and once at Nannine, Peak Hill, Wiluna, and Yalgoo.

A practical demonstration at winding engine driving is demanded of every candidate for a first-class certificate. This method of examination, besides the examination in practical engineering that a candidate has to pass, has given good results. The capabilities of engine-drivers have materially

improved during the last two years, and, in exemplification of the improvement during this year, in no case has there been an overwind on any of the mines in the Central Goldfields; and the boilers show in many cases careful attention, where hitherto they received but scant treatment.

Indicators.—In the course of my inspections I found the indicators attached to many of the winding engines very inaccurate, owing to faulty construction. A positive indicator should be insisted upon in every case. On winding engines working with loose drums the indicator should be designed to work direct off the drums, so that in changing levels there should be no need to alter them.

Reports.—During the year reports re Public Batteries have been furnished to the Department on Meekatharra, Donnybrook, and Lake Way.

Plans of Mines Workings.—The regulations with reference to the keeping of plans showing the mine workings are contained in Sections 31 and 32. This matter, in my opinion, does not receive the attention it deserves from managers, and I have frequently had to point out the necessity for bringing these plans up to date. In my opinion the time has arrived when the making of plans and surveys of underground workings should be done only by qualified surveyors, approved of by the Department. I am pleased to add that some of the mines employ capable surveyors, and their plans are quite up to date.

If, in addition, an assay plan was compulsory, it would have been an excellent thing, as the way the mines are being worked here is in a sort of half-hearted manner; and in many cases tributaries are fast picking the eyes (to use a colloquialism) out of the mines to water level. When this is done the schute of gold and many things identical with its formation will have been lost for ever. This is the more important, considering the recent developments at the Great Fingall Consolidated Mine, Day Dawn. This mine, as predicted in my Report for 1899, has now developed into one of, and will rank with, the first mines in Australasia. This goes to prove my contention for years past that, with development, improvement in many cases would occur on the Murchison.

With the judicious outlay of capital I have reason to believe that the Murchison Goldfield will continue to improve. At any rate the Great Fingall has given everyone confidence for the future, and that goes a long way in gold mining.

The prospects of Cue never looked better than they do to-day. The Light of Asia and Salisbury are properties, in my opinion, that have a bright future, but they must be energetically worked. The Mount Magnet and Lennonville districts continue to improve; every year continues to confirm the reports that I have submitted to the Department from time to time on these places.

At the Morning Star mine at the 300 feet level an undoubted improvement has taken place, which, in my opinion, proves this district beyond doubt.

At the Long Reef Gold Mining Company the winze from the 300 feet level is being sunk to the 400 feet level, and proves also that the reef goes down and is a payable proposition. With capital and energy these districts can and will compare favourably with any in the State.

These districts have been developed practically by gold won from the mines, very little outside capital being available.

North Murchison, Nannine, and Peak Hill.—The Nannine district is at present almost dead, but it must not be thought that Nannine is worked out—far from it. On the other hand it has an undoubted future. I am waiting to hear every day that the Star of the East has discovered the lode at the 400 feet level, which will immediately alter the aspect of affairs.

At Peak Hill developments are extremely satisfactory at the bottom levels of the big mine, and the re-arrangement of both mine and machinery on a practical basis will eventually put the mine on a sound commercial footing.

I have, etc.,

W. F. GREENARD,
Inspector of Mines.

26th March, 1901.

SUPPLEMENTARY.

Engine-drivers examinations have been held in the following centres:—Yalgoo (1), Mount Magnet (3), Cue (2), Nannine (1), Peak Hill (1), Wiluna (1), and Rothesay (2), with the undermentioned results:—

	£	s.	d.
104 Certificates of Competency were issued at £1 10s. each	...	156	0 0
8 Certificates of Service were issued at £1 10s. each	...	12	0 0
1 Certificate of Service was issued at £1	...	1	0 0
2 Certificates of Competency were exchanged at 10s. each	...	1	0 0
29 Learners' Permits were issued at 5s. each	...	7	5 0
5 Certificates (in lieu of lost) were issued at 5s. each	...	1	5 0
2 Interim Certificates were issued at 5s. each	...	0	10 0
23 Candidates failed; fees paid 10s. each	...	11	10 0
3 Candidates (Learners' Permits) failed; fees paid 2s. 6d. each	...	0	7 6
		£190	17 6

BOILER REVENUE.

Fees for Testing Boilers under Steam Boilers Act, 1897...	...	£216	10 0
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From the Inspector of Mines, Collie Coalfields.

To the Under Secretary for Mines, Perth.

SIR,

Collie, July 5, 1901.

I have the honour to submit, for the information of the Hon. the Minister, my Report for the year 1900.

The output of coal for the year was 118,410·10 tons, being an increase of 64,074·10 tons on the previous year. Owing to the shortage of rolling stock in the Railway Department, the output of coal from this field, and the development of the industry has been greatly retarded, the mines throughout the year often being idle, owing to an insufficient supply of empty trucks.

In accordance with the Mines Regulation Act, special rules have been established at the Moira Colliery, and a General Rule has been framed for the better and safer storing of explosives, and applied to the Wallsend, Proprietary, and Moira Collieries.

Only two accidents occurred during the year, neither of which were attended with fatal results. This, considering the number of men on the field, is a remarkably low percentage.

A considerable amount of systematic prospecting work has been done on the South-Eastern part of the field, proving numerous seams of good quality to extend over a very large area.

I have, etc.,

T. D. BRIGGS.

Report by the Inspector of Mines for the Coolgardie and Yilgarn Goldfield.

The Under Secretary for Mines, Perth.

SIR,

1. I have the honour to report that, throughout the year 1900, the work of Mine Inspection and Boiler Inspection was uninterruptedly carried on. Of the time so occupied, however, a larger share had to be given to the inspection of boilers than to the inspection of mines.

2. With respect to the outlying parts of the Coolgardie Goldfield—that part of it which is situated between Kunanalling and Siberia (wherein there are situated many promising mines and leases, and one dividend-paying mine) was visited on eight separate occasions for the purpose of mine and boiler inspection. One other visit was made to Kunanalling in connection with a surface accident that occurred at the "Miner's Dream" mine. A special visit of several days' duration was also made to Siberia, 60 miles from Coolgardie, in connection with a petition for a Government Public Battery that had been sent from that locality to the Hon. the Minister of Mines. At the desire of the Warden two days were also devoted to an inquiry, on the spot, relative to a petition for a Government Public Battery for the London-derry district.

3. Boiler and Mine Inspections were also made at other outlying places such as Red Hill, Dunnsville, and Jourdie Hills.

4. The Yilgarn Goldfield was visited on four occasions during the year, when both Mine and Boiler Inspections were made.

5. Of mining accidents during the year there were, in the Coolgardie District, 15, four of which were fatal ones. Of these latter two resulted from "falls of ground," one from falling down a shaft, and one from entanglement in machinery "on surface." In each case of fatal accident an inquest was held by a Coroner and jury, and verdicts of accidental deaths were returned. And in each case, also, the scene of the accident was seen by the jury, and by the representative of the Workers' Association, who was also present at the Coroner's inquiries. Of the remaining 11 accidents, two occurred "on surface."

6. In the Yilgarn District there were five accidents during the year, one of which was fatal; the verdict of the jury in that case having been one of accidental death. Of the remaining four accidents, one occurred "on surface," and was occasioned by the fall of a stack of timber which the injured man was removing.

7. Of examinations for Engine-drivers' Certificates during the year, four were held at Coolgardie and one at Southern Cross. In each District the Examining Board consisted of the Inspector of Mines, and representatives of the Mine Managers and the Engine-Drivers' Association.

I have, etc.,

GEO. LIGHTLY,

Inspector of Mines.

29th May, 1901.

Report of the Assistant Inspector of Mines, Coolgardie Goldfield.

To the Under Secretary for Mines, Perth.

SIR,

Coolgardie, 1st January, 1901.

I have the honour to report that during the last seven and a half months I have spent about six months in and around Coolgardie, assisting Mr. G. Lightly, Inspector of Mines. During this time I have made fifty-two underground inspections. In most of the mines the workings were safe, and in others, where I have made suggestions to secure the safety of the miners, they were carried out without demur. Taken altogether, the Mines Regulation Act has been reasonably adhered to.

Although none of the leading mines have had phenomenal returns during the year, there has been a steady progress made from what, in most cases, may be considered low-grade ore, which proves what can be done with suitable machinery and proper management. Very encouraging prospects are now being got from the small mines about nine miles South of Coolgardie. Several parcels have been put through the battery, and good results obtained in each case.

Boilers.—I have inspected and tested 112 boilers in this district. Most of the boilers are practically new and are in good working order. The Steam Boilers Act has, in most cases, been complied with, and all necessary duplicate fittings put on the boilers.

I have, etc.,

W. M. DEEBLE.

Report of the Inspector of Mines of the Dundas Goldfield.

To the Under Secretary for Mines, Perth.

SIR,

Coolgardie, 1st January, 1901.

I have the honour to report as follows for year ending 31st December, 1900:—

On the 16th May last I was appointed Inspector, and since then I have made 37 mine inspections. In the majority of mines I found the workings in a safe and proper condition, and the requirements of the Mines Regulation Act reasonably complied with.

In the leading mines there has been very little alteration during the year, but a larger area of the district is now being practically worked and developed, and from the present prospects it may reasonably be expected this district will show up better during the coming year.

Accidents.—There have been twelve accidents during the year. Two of these accidents happened to men working about machinery on the surface of the mines and were serious; and the remainder were of a less serious nature, with the exception of the one fatal accident.

Boiler Inspections.—Over three-fourths of my time is taken up in testing and examining boilers. I have tested and examined 29 boilers in this district. These are in most cases practically new, and I have found very few defects. In and around this district the water is very bad, and although in most cases the water for feed is condensed, there is always a certain amount of free acid present, which will considerably shorten the life of the boilers.

Engine-drivers Examinations.—Two Examinations for Engine-drivers' certificates were held in Norseman on the 15th and 16th February, and 26th July, 1900. A large percentage of those examined failed through having very little practical knowledge of machinery used in and about a mine. The following Learners' Permits and Certificates were granted:—

(a.) Learners' Permits	...	...	...	...	...	3
(b.) First-class Certificates of Competency	...	...	...	...	...	4
(c.) First-class Certificates of Service	...	...	...	...	...	<i>Nil</i>
(d.) Second-class Certificates of Competency	...	...	...	...	...	19
(e.) Second-class Certificate of Service	...	...	...	...	...	1

I have, etc.,

W. M. DEEBLE.

Report by the Inspector of Mines on the East Coolgardie Goldfield.

To the Under Secretary for Mines, Perth.

SIR,

Kalgoorlie, 15th April, 1901.

I have the honour to report, for the information of the Honourable the Minister, the following particulars that have come under my notice during the administration of "The Mines Regulation Act, 1895," with amendments, and "Steam Boilers Act, 1897," for the year 1900, in the East Coolgardie Goldfield.

My time has been fully occupied, as has that of my assistant, Mr. Smith, in connection with the inspection of the mines (as per diaries furnished monthly), and the inspection of steam boilers for nine (9) months ending September, in which month I was relieved of the administration of the Steam Boilers Act by Mr. Lee, who was appointed in charge of this field. I hailed with much satisfaction Mr. Lee's appointment, as the dual position of Inspector of Mines and Boilers in so important a mining centre entailed more work and called for more attention than it was possible for myself and one assistant to deal with. However, 427 mine inspections were made, 35 leases were inspected, and 268 boilers examined.

Accidents.—The number of accidents reported is greater than the number for last year, the figures being:—For 1899, 40 accidents, 14 killed, and 29 injured. For 1900 there were 52 accidents, 14 killed, and 44 injured.

As will be noticed by the Table which is furnished each month, in nearly all cases they have been caused through some blunder or want of caution on the part of the injured ones. In no instance can I directly trace the cause of any accident either to defective machinery or lack of necessary supervision on the part of the management.

Table of Accidents.

Explosives.	Falls of Ground.	In Shafts.	Miscellaneous. Underground.	On Surface.	Total.
2	8	11	14	17	52

Comparative Table.

1899.			1900.		
Number of Accidents.	Number ending fatally.	Percentage of Accidents to men employed.	Number of Accidents.	Number ending fatally.	Percentage of Accidents to men employed.
40	14	.78	52	14	.88

The sad fatality that occurred on one of the Hannans Brown Hill Company's leases in July last, resulting in the death of two boys and two others being severely injured, was caused by the boys mentioned attaching a lighted fuse to some powder found by them in an abandoned shaft, and which had, presumably, been left there by the former holders of the lease. After careful inquiry, it was found that no blame could be attached to the Brown Hill Company.

This could scarcely be brought under the heading of Mining Accidents, and was consequently omitted from the year's total.

Explosives.—Careful and persistent attention is devoted to the proper storage provision for explosives, with the result that no accidents have come under my notice during the year caused through carelessness in this direction.

Timbering.—Without exception, I have to report that neither expense nor time has been spared in the timbering of the mines in the interests of safety.

A very important factor in the providing of timber, both for mining and furnace purposes, was the formation of the W.A. Goldfields Firewood Supply Company, and the subsequent building of a tram line by this company through the timber country between Kalgoorlie and Coolgardie, leaving the main Coolgardie line at Kurrawang and travelling in a North-Westerly direction for a distance of about 40 miles. This undertaking occurred at the right time, as the outlook—noted in my last report—as regards the supply of firewood particularly was very serious in the beginning of the year. A good deal of time would be necessary to arrive at a correct estimate of the vast amount of firewood used daily by the miners along the principal belt. Approximately, I estimate it at 1,200 tons per diem, the greater part being used in connection with the large roasting furnaces now at work.

Of course, it is only a matter of time when tram lines for similar purposes will be required to be built in other directions, as no limited area can withstand the great demands at present made for any length of time.

Safety Appliances.—Few cases now occur where proper safety appliances are not in use in connection with cages in winding shafts. I would here suggest that some steps might be taken to have designs of safety appliances for cages and detach-hooks submitted to the Department for approval, or otherwise, in a similar manner to the procedure adopted in respect of lock-up safety valves under the Steam Boilers Act. All that would then be necessary would be for an Inspector to insist on approved appliances only being used. No accidents have occurred during the year through over-winding or through failure of safety cages.

Ventilation.—I am pleased to record that neither injury nor loss of life has been caused through improper ventilation, owing, no doubt, to a very strict adherence to the law relative to this important factor in proper mine development being rigorously insisted upon.

Machinery.—The importation of powerful and valuable machinery was great last year; the quantity erected during 1900 has been much greater. This has been due to the fact that the question of treatment of the enormous quantities of payable sulphide ore that have been proved to exist can no longer be termed a troublesome one. In September last a very important and gratifying announcement was made that the Dhiel process, which has only been previously known here as existing in the laboratory stage, had obtained an extraction of 97·6 per cent. of gold contents, at a cost of 18s. per ton (crushing and treatment); and of a bulk test of 653 tons of sulphide ore at Hannans Brown Hill G.M. had obtained 95·75 per cent. of gold. This I am sure must have been very pleasing information to all concerned in this State. Another process that is claiming much attention is the Reiken process, which is claimed to extract 97 per cent. of gold at a very nominal cost, and plant for which is being erected at South Kalgurli G.M. (Results since obtained:—95 per cent. at a cost of 16s. per ton, public test.)

One good result the delayed solution-of-sulphide question has caused is:—During the time that the several processes have been in the experimental stage, the mining companies have thoroughly explored the different properties; there being 5 shafts down 1,000ft., one down 1,200ft., and six others over 700ft. This will ensure, when the most favoured process is adopted, and necessary plant and appliances available, an adequate supply of ore for treatment, instead of, as has been the case too often, mills working intermittently owing to supplies of ore running short every now and again.

Engine-drivers.—Seven examinations have been held, and the Board of Examiners have sat on 26 days, during which 207 candidates have been examined, and the following certificates issued:—

1st Class Competency	...	...	...	...	13
2nd Class Competency	...	...	...	...	37
1st Class Service	...	...	...	...	31
2nd Class Service	...	...	...	...	8
Interim-Certificates	...	...	...	...	24
Learners' Permits	...	...	...	...	3
Copies of Certificates	...	...	...	...	8

In conclusion, I have to thank the officers of the Department, both in head office and Kalgoorlie, for the ready assistance always given when sought; and the mine managers for ready compliance with instructions given, and for courtesy shown to your Inspector on this field.

I have, etc.,

F. J. LANDER,
Inspector of Mines.

Report by the Inspector of Mines on the Mount Margaret Goldfield.

To the Under Secretary for Mines, Perth.

SIR,

Mt. Malcolm, 29th January, 1901.

I have the honour to submit my Annual Report, for the information of the Honourable the Minister, upon the administration and working of "The Mines Regulation Act, 1895," on the Mount Margaret and portion of the East Murchison Goldfields during the year 1900.

DISTANCES.

1. I have been continuously travelling and inspecting the mines on the above goldfields, but as they are scattered over so large an area it necessitates my covering over 700 miles to visit them all, and as this can only be accomplished once in about three months, I find it difficult to make as many visits of inspection in the course of the year as I should wish.

ACCIDENTS.

2. I regret having to state there were four fatalities from accidents during the year, being two less than in the preceding one. Three occurred in shafts and one on the surface. Roughly, this would bear a percentage proportion of about ·21 on the average number of men employed during the year, viz., 1,851. There were nine minor accidents, none of a serious nature.

EXPLOSIVES.

3. In most mines visited, I find that mine managers exercise great care in the storage of explosives, but many neglect to provide securely-covered canisters for carrying the explosives from the magazines to the workings, and, even where these are available, the men, in many instances, tempt their fate by ignoring the use of them.

VENTILATION

4. I find to be very good, and only in one or two instances have I found the air bad or light in workings, and these were just on the point of connecting to winzes or rises. On the completion of the connection, the air became good.

WORKINGS.

5. All excavations, such as drives, stopes, and winzes, are securely protected, and made safe, and all entrances to shafts and elevated tramways securely fenced.

MACHINERY.

6. All machinery I have found well taken care of and in good order, and is securely fenced.

CAGES

7. Used for lowering or raising men in the working shafts are provided with sufficient cover overhead, with safety side-catches, and, in most cases, safety-hooks. Where these safety-hooks are deficient, I have instructed mine managers to provide them.

PLANS.

8. In compliance with Clause 31, all mines employing six or more men underground keep plans of the workings at their offices.

ENGINE-DRIVERS' EXAMINATIONS.

9. Three examinations have been held during the year—one each at Mt. Malcolm, Lawlers, and Mt. Sir Samuel.

The examination at Mt. Malcolm on 30th July granted:—

- 1 First of Service Certificate
- 2 First of Competency „
- 17 Second of Competency „
- 3 Learners' Permits.

At Mt. Malcolm, during the year, were also granted "Interim-Certificates" 2 Second and 1 First-class, and 1 Copy.

At Lawlers, 3rd December, granted:—

- 2 First of Competency Certificates.
- 8 Second of Competency „
- 1 Second of Service „

At Mt. Sir Samuel:—

- 4 Second of Competency Certificates.
- 2 Second of Service „

There is a great scarcity of good first-class certificated engine-drivers on these fields, and mine managers have great difficulty in obtaining suitable men.

In conclusion, I beg to state that it gives me much pleasure to note the care for the safety of the men working in the mines exercised by the managers. I trust that the number of accidents will be reduced in the coming year.

It also gives me great pleasure to see the way the mines on these fields are opening up, and the rapid advancement that is being made. Within the last three months 60 head of stamps have been dropped, and I predict that within the next eight months there will be from 80 to 100 more.

I have, etc.,

J. CRABB,

Inspector of Mines.

Report by the Inspector of Mines for the North Coolgardie Goldfield.

The Under Secretary for Mines.

SIR,

Menzies, 14th March, 1901.

I have the honour to submit for your information my Annual Report for the Year 1900, as Inspector of Mines and Boilers, for the North Coolgardie District.

During the year, I am pleased to report that the workings on the large mines have been kept in a very satisfactory condition; this is not so with those in the prospecting stage, but during the coming year I trust I shall be able to have them in a better condition. In this Goldfield there are 357 leases in force, employing on or about 1,510 men.

INSPECTION OF BOILERS.

This work has occupied a considerable amount of my time, the water in this District being very detrimental to boilers, and it has been necessary to carefully watch them. During the year I have inspected 152 boilers, a large number of these being re-inspected on the same certificate, so that the number does not show the actual work performed.

ACCIDENTS.

During the year 14 accidents occurred, in which eight men were killed and 10 injured, being, I am sorry to say, a slight increase on the previous year. The majority of these accidents were unavoidable, every precaution having been taken by the management; and it is pleasing to note that during the year only two accidents occurred through "falls of ground," thus showing that the underground workings are in a satisfactory condition.

ENGINE-DRIVERS' EXAMINATIONS.

During the year two examinations were held at Menzies, 57 candidates presented themselves, 23 being refused. The new regulations came into force, and the system of granting two classes of certificates has been very satisfactory.

The District generally shows a marked advancement, the Ularring District from Mulline to Davyhurst gives every promise of becoming a valuable one. Menzies continues to hold its own, and it is pleasing to note the large number of co-operative parties who are obtaining splendid yields from leases which had previously been abandoned. Niagara District shows considerable advancement, and with the introduction of the large mill on the Cosmopolitan Gold Mine, and the Government Battery crushing at a low cost for prospectors, the gold yield should show a considerable increase for the coming year.

Yerilla District.—At the Granites, the Potosi Gold Mine have erected a ten-head battery, this being the first battery at this centre, and which I have every confidence will give a good account of itself in the near future.

Edjudina.—It is very pleasing to note that this centre has had a revival. Two years ago it was virtually abandoned. On my last visit 14 leases were being worked with very satisfactory results. There is a five-head battery on the Neta Gold Mine, and a three-head on the Moss Rose working. This is the most continuous line of reef in this District, three reefs being easily traced for a distance of eight miles in a straight line.

I regret that I cannot report any advancement in Goongarrie or Yerilla, there being little mining going on at either place.

I have, etc.,

J. O. HUDSON,

Inspector of Mines.

Report by the Inspecting Surveyor, Eastern Goldfields, for the year 1900.

To the Under Secretary for Mines, Perth.

SIR,

I beg to report on the Survey work of the Eastern Goldfields for the year 1900:—

1. There have been 10 Contract Surveyors engaged in carrying out Mines Department surveys in the various districts at schedule rates, and I have myself made the bulk of the Surveys of the Coolgardie and Dundas Goldfields, particulars of which will be found embodied in the Report of the Assistant Inspecting Surveyor.

2. I have also effected occasional surveys in the districts of several of the Contract Surveyors, taking every opportunity of testing the accuracy and efficiency of the adjacent work, and have invariably found it to be satisfactory.

3. The Goldfields North of Menzies have not been visited during the year, but a thorough inspection in these districts will shortly be made.

4. By an arrangement with the Lands Department I have furnished subdivisional designs for all town and residential lots at Coolgardie, Kalgoorlie, Boulder, and other centres (about 2,000 lots), selecting and recommending necessary reserves. I have also arranged the route for several necessary roads through the mining leases around Kalgoorlie and Boulder, and personally effected surveys of same, it being deemed advisable that the preliminaries to the resumptions of surface area from important leases should be conducted by an officer of the Mines Department. Surveys and reports in connection with the Western Australian Goldfields Firewood Tramway have also been made by me for the Lands Department.

5. I have received able and ready assistance from all Officers of the Survey Department on these Goldfields.

I have, etc.,

G. W. ELLIS,

Inspecting Surveyor, Eastern Goldfields.

Coolgardie, 1st June, 1901.

Report on the Survey Work of the Central Goldfields (embracing the Murchison, Peak Hill, East Murchison, and Yalgoo Fields) for the year ending 1900.

The Under Secretary for Mines.

SIR,

In connection with the above, I beg to report that an average number of surveys have, with the exception of Peak Hill, been carried out in each Field, as shown by attached Return.

The surveyors engaged continue to do their work to the satisfaction of the Departments (Mines and Lands) and the public.

I have continued to make all surveys in the Murchison, except that portion nearer Nannine, and Yalgoo Fields; also doing some, under your authority, for private people, the charges for which were remitted to head office, there being no private surveyor within the Fields I survey in. It is a matter of great convenience, and saves either land or mine owners heavy charges if the local staff surveyor can make any small survey required.

I have, etc.,

G. S. ANDERSON,

Inspecting Surveyor, Central Goldfield.

Cue, 27th February, 1901.

Return showing Surveys made for the Mines Department within the Central Goldfields for the Year ending December, 1900.

Goldfield.	District.	No. of Surveys.	Acreage.	Diagrams Examined and Passed.	Connectional Traverses.
Yalgoo	Yalgoo	12	198	12	
	Mt. Magnet	18	168	18	
Murchison	Day Dawn	22	227	23	
	Cue	33	291	34	
	Nannine	45	453	47	
Peak Hill	Peak Hill	26	284	54	
E. Murchison	E. Murchison	57	613	57	
	Totals	213	2,234	245	

In addition to the above, an account of Lands Department, Surveys of 268 Town Lots, 11 Reserves of 432 acres, and a re-subdivision of Nannine Townsite were carried out by the Surveyors and myself; also some odd surveys to define disputed boundaries.

Report by the Assistant Inspecting Surveyor for the year 1900.

The Under Secretary for Mines, Perth.

SIR,

I have the honour to submit a Statement showing the Mining Surveys performed during the year 1900 on all Goldfields and Mineral Districts, with the exception of the Central Goldfields, those having been dealt with by the report of Mr. Anderson, Inspecting Surveyor, Cue:—

TABLE A.

Showing the Number and Area of Leases and other holdings surveyed in 1900, compared with 1899.

	1899.	Acres.	1900.	Acres.
Gold Mining Leases Surveyed, Eastern Goldfields	834	8,629	538	7,806
Do. do. other Goldfields	144	2,188	77	1,193
Inspection Surveys, Eastern Goldfields	140	1,933	171	2,726
Do. do. other Goldfields ... ..	...	...	12	155
Mineral Leases, Eastern Goldfields	31	634	33	578
Do. do. other Goldfields	172	8,278	116	10,320
Water Rights, Machine Areas, etc., Eastern Goldfields	135	495	102	437
Do. do. other Fields	9	28	19	74
Isolated Business Areas, Eastern Goldfields	23	6	16	4
Business and Residence Areas in groups, Eastern Goldfields... ..	220	...	428	
Do. do. other Fields	179			

TABLE B.

Showing the Survey Fees in connection with Table A.

	1899.	1900.
	£ s. d.	£ s. d.
Survey of Leases, etc., etc., Eastern Goldfields	4,537 3 0	4,341 10 0
Do. do. other Fields	1,811 10 0	1,317 10 0
Total	£6,348 13 0	£5,683 10 0

NOTE.—The work done by Mr. Ellis, Field Surveyor, and Mr. Canning, of the Lands Department, is calculated at schedule rates.

	1899.	1900.
	£ s. d.	£ s. d.
Residence and Business Areas, Eastern Goldfields	193 16 0	435 12 0
Do. do. other Fields	179 0 0	<i>Nil</i>
	£372 16 0	£435 12 0

TABLE C.

Traverses and Special Surveys.

	1899.	Cost.	1900.	Cost.
	Traverses— M. C. L.	£ s. d.	Traverses— M. C. L.	£ s. d.
Eastern Goldfields	28 53 00	124 1 0	30 25 00	101 1 2
Other Fields	13 66 00	46 1 2	12 57 00	53 15 11
Totals	42 39 00	£170 2 2	43 2 00	£154 17 1

TABLE D.

Showing the Total Number of Surveys on all Goldfields. Portion of this return is taken from the report of the Inspecting Surveyor, Central Goldfields, Mr. G. S. Anderson.

	1899.	Area.	1900.	Area.
		Acres.		Acres.
Total Surveys, Eastern Goldfields	1,163	11,697	860	11,551
Do. Central do.	280	3,103	213	2,234
Do. other Fields	325	10,494	224	12,742
	1,768	25,294	1,306	26,527

Does not include groups of Business and Residence Areas.

OFFICE WORK.

The result of the office work of the Survey Branch for the year exceeds that for the year 1899:—

	1899.	1900.
Diagrams in duplicate examined and passed	760	1,005
Tracings of diagrams examined	486	1,050
Plans of Residence and Business Areas examined ... ..	...	11
Tracings prepared in the Office	690	213

In addition, the routine work of correspondence, the keeping of survey registers posted with all the latest available information, and the registering and filing of diagrams, field books, etc., have been carried out systematically.

The work of the staff during the year has been satisfactory.

Under your instructions I have supervised the work of the Drafting Branch in the absence in South Africa of the Chief Draftsman, I hope to your satisfaction and without impairing the efficiency of its work.

I have, etc.,

THOMAS J. BREEN,
Assistant Inspecting Surveyor.

3rd April, 1901.

The Under Secretary for Mines.

SIR,

I have the honour to submit a *résumé* of the work done by the Drafting Branch in the Head Office of the Mines Department, for the year ending 31st December, 1900 :—

Diagrams and Inspection Tracings received	...	...	...	...	...	1,149	
Lease Instruments prepared...	...	...	...	...	...	223	
							{	Originals	331
								Counterparts	56
Sixteener Sheets prepared	...	...	...	...	...	109	
							{	Old ones corrected up to date	233
Compilation Sheets to be eventually transferred to Sixteeners	...	...	...	...	...	10	
							{	Old ones corrected up to date	66
Tracings of Sixteeners sheets for Photo-lithography...	...	...	...	...	...	44	
Tracings of Compilation sheets for Lithography	...	...	...	...	...	10	
Official Forms and Circulars of various kinds typographically printed	...	...	...	...	...	168,500	
Maps mounted, etc.	...	...	...	...	...	161	
Various Books bound or filed	...	...	...	...	...	274	
Miscellaneous work, such as colouring up Lithos. and preparing small plans and tracings for office reference, etc., charting roads and railways on office diagrams, and preparing resumption tracings (in duplicate)	...	...	...	...	...	400	
Lithographs, published	...	...	...	...	...	40	
							{	New ones	20
								Old ones revised and republished	42,217
				{	Total number of copies printed							

ALAN H. BARLEE,
Chief Draftsman.

31st May, 1901.

Notes on the various Goldfields and Mining Districts from date of Declaration.

The following are a few notes on the various Goldfields and Mining Districts, some of the main facts and figures relating to them being given from the date of their declaration :—

KIMBERLEY GOLDFIELD (area 46,886 square miles).

This is the oldest and most Northerly goldfield of the State. It was discovered by Messrs. Hall and Slattery, to whom the Government awarded the sum of £500, and was proclaimed on the 20th May, 1886.

A rush set in from the Eastern Colonies, and at one time there were from 1,500 to 2,000 men in the district; this, in spite of the great distance, and from the want of communication at that period. After the first rush, however, the field proved disappointing, and though it is generally conceded that there are many gold-bearing reefs that would pay for development, yet the high transport rates and the scarcity of labour have so far militated against its progress.

The total yield of gold since the inception of the field to the end of 1900, as reported to the Department, was 14,892ozs.

YILGARN GOLDFIELD (area 15,593 square miles).

This field was discovered by Mr. H. Anstey, who received the Government reward of £500. Messrs. Colreavy and party's claims were also recognised by the Government, who awarded them a sum of £250 for their share in the discovery.

This was the second goldfield in the State, and was proclaimed on 1st October, 1888, about two and a-half years after the Kimberley field.

The boundaries were extended to the East of what is now known as Coolgardie, and Northward, including the present North Coolgardie, Mount Margaret, East Coolgardie, North-East Coolgardie, and Broad Arrow Goldfields; but owing to the important discoveries at these latter places, and for purposes of administration, it was found necessary to considerably curtail the area. Though the field has had its vicissitudes, it can now be considered to be on the high road to prosperity, and the yield for next year can be expected to result in a considerable increase upon the previous one.

The yield of gold, as reported to the Department, since its inception to the end of 1900 was 168,564oz.

ASHBURTON GOLDFIELD (area 6,992 square miles).

The Ashburton field was originally proclaimed on the 11th December, 1890. On the 15th April, 1897, the boundaries were amended and the field considerably reduced in size.

The first find of gold was reported to the authorities in the year 1890. The field can so far be termed an alluvial one; no development of any importance having taken place in reefing. It is placed at a great disadvantage on account of its distance from the coast, and want of means of communication.

The total yield of gold from the inception of the field to the end of 1900 was 4,167oz., as reported to the Department.

MURCHISON GOLDFIELD (area 20,513 square miles).

The Murchison Goldfield was originally proclaimed on the 24th September, 1891, and then included the fields now known as Peak Hill and Yalgoo; the boundaries being afterwards modified on the 23rd January, 1895. The reward for the discovery was paid to Messrs. Connelly and Douglas.

This field is favoured in that fresh water is, as a rule, found at comparatively shallow depths. This is a rare occurrence on the majority of the fields.

The railway, which already connects the field with the general system of the State, is about to be extended from Cue to Nannine, a district which, from its outlook, appears to justify the extension.

The Government has also erected three public batteries, and yet another is being established; in addition a subsidy has been offered to companies around Cue to assist in the deepening of their shafts.

The progress of this field in the past has been somewhat slow, but with the facilities already referred to, and the fact that those reefs that have been tested at a depth have maintained their value, it should attract the attention of capital, and there is every reason to hope that its future will be a bright one.

The total yield of gold to the end of 1900 was 468,276oz., as reported to the Department.

DUNDAS GOLDFIELD (area 17,848 square miles).

The discovery of this field, which lies South and adjoining the Southern boundary of the Coolgardie field, is attributed to Messrs. Mawson and Kirkpatrick, who discovered two rich reefs, which they called the May Bell and the Scotia.

The field was proclaimed on the 31st August, 1893, and since that period has steadily progressed, increasing its output each year.

During the past few months considerable interest has been caused owing to the discovery of payable alluvial leads in the vicinity of the Princess Royal Mine.

The necessity for railway communication from Coolgardie has several times been considered by Parliament, and there can be no doubt that a railway would tend to the increased prosperity of this field.

The Government have erected a public battery, together with a cyanide plant.

The present prospects of the field are bright.

The yield of gold to the end of 1900 was 145,359ozs., as reported to the Department.

COOLGARDIE GOLDFIELD (area 11,974 square miles).

This field was originally proclaimed on the 6th April, 1894, and included at that time what are now known as East Coolgardie, North Coolgardie, North-East Coolgardie, Mt. Margaret, and Broad Arrow Goldfields. The field, however, as at present constituted, was proclaimed on the 15th April, 1896.

Coolgardie was discovered by Bayley and Ford in 1892, where they made their sensational find of the property now known as Bayley's Reward; and to this find the discovery of the other Eastern fields can be attributed. The earlier prospectors having denuded the district of its surface gold, pushed on Northward and Eastward, and further discoveries followed in quick succession.

The progress of this field has not proved to be so rapid as some, as the large majority of the reefs, though of considerable size, were found to be comparatively of low grade. These require careful management to be payable, and it has been demonstrated in the case of several mines which, although returning a few penny-weights, have been giving satisfactory profits; so that there is every hope that more attention will be turned to the working of these large low-grade reefs, and that Coolgardie will become a busy mining centre.

The yield of gold to the end of 1900 was 472,316ozs., as reported to the Department.

EAST COOLGARDIE GOLDFIELD (area 632 square miles).

This, the richest field in Australasia, was discovered by Patrick Hannan, and Hannan's Find, now known as Kalgoorlie, was named after him. The field was proclaimed on the 1st October, 1894. One of the principal reasons which made this field remarkable was the discovery of telluride of gold in considerable quantities,

Kalgoorlie being the only locality in Australia in which this mineral has been discovered. It is satisfactory to learn that as the mines become deeper the size and value of the lodes are maintained, and that mines which in the past have been considered to be of comparatively little value are proving payable as depth is attained.

Considerable difficulty has been met with in the past in the endeavour to treat the sulphide ore in the most economical manner. This has, however, now been practically overcome, and by the use of the Diehl, Reiken, and other processes, very little gold is lost.

Kalgoorlie is still adding to its list of gold-producing mines, and thus keeps well ahead of any other field.

The total output to the end of 1900 was 2,456,361ozs., as reported to the Department.

YALGOO GOLDFIELD (area 18,921 square miles).

The Yalgoo field was proclaimed on the 23rd January, 1895, and, so far, has unfortunately proved disappointing. The rich reefs that were at first found at the Emerald and other mines were soon worked out, though from its position on the Geraldton to Cue railway, and only about 150 miles from the port of Geraldton, it had every chance of success.

Although the yield of gold has been increasing each year, only a few mines are being worked, but several promising discoveries have been reported during the last twelve months. The business so diminished that there was no longer any necessity for the services of a local Warden, and the Warden of the Murchison Field was accordingly appointed Acting Warden.

The total output of gold to the end of 1900 was 36,220ozs., as reported to the Department.

EAST MURCHISON GOLDFIELD (area 28,242 square miles).

The East Murchison Goldfield was originally proclaimed on 28th June, 1895. On 1st January, 1898, however, the boundaries were amended for administrative purposes.

The North-East portion of this field is situated not far from the centre of the State, so that it can be easily realised that the expense of carriage, etc., is a great drawback to its progress. In spite of the disadvantages of its position, however, the output of gold is increasing each year.

The total yield of gold from the commencement to the end of 1900 was 170,388ozs., as reported to the Department.

MOUNT MARGARET GOLDFIELD (area 42,154 square miles).

The Mount Margaret Goldfield was originally proclaimed on the 1st April, 1897, but on the 1st of January, 1898, the boundaries were amended.

Next to East Coolgardie this, at present, is the largest gold-producing field in the State, and has arrived at this position notwithstanding its distance from the coast and the absence of railway communication. The construction of a railway from Menzies to Malcolm, its official centre, has now been commenced upon, and the saving in the cost of carriage, etc., will add a fresh impetus to this already prosperous district.

In addition to gold, a very considerable quantity of copper is now obtained.

The total yield of gold to the end of 1900 was 302,914ozs., as reported to the Department.

The total output of copper ore to the end of 1900 was 4,812 tons, valued at £35,056.

NORTH COOLGARDIE GOLDFIELD (area 30,609 square miles).

The North Coolgardie field was declared on the 28th June, 1895, the principal district, Menzies, being called after the discoverer (Mr. L. R. Menzies). Gold was however discovered some years prior to Menzies' find by Messrs. Ryan and Speakman, in the portion of the goldfield known as the Ularring district.

This field is in a very prosperous condition. The communication with Menzies by railway has added considerably to its progress. The Government has also erected three public batteries for the use of the prospectors, and these have proved a great boon to the field.

The total yield of gold to the end of 1900 was 384,947ozs., as reported to the Department.

PILBARRA GOLDFIELD (area 34,880 square miles).

This field was discovered by Mr. J. H. Wells, and Messrs. Cook and Withnell also received a reward for their share in the discovery.

The date of the proclamation of the field was the 1st October, 1888.

There has never been much doubt as to the richness and future prosperity of this field. The average yield from crushings is larger than that of any other field, and the comparative frequency of the discovery of nuggets of phenomenal size attract a considerable floating population of seekers after alluvial.

This field when originally proclaimed extended to the sea coast, but, as with many others, it was found necessary to curtail the area for purposes of administration.

In addition to gold, tin has been discovered in several places, and during the last two years, considerable quantities of tin have been obtained in the vicinity of Marble Bar. Diamonds have also been discovered in the Nullagine District, but so far only in small quantities and of small size; this being the only District in the State in which these gems have been discovered.

There seems very little doubt but that with railway communication from the coast, this very promising field will advance by leaps and bounds.

The yield of gold to the end of 1900 was, as reported to the Department, 85,618ozs. The yield of black tin was 520·82 tons.

WEST PILBARRA GOLDFIELD (area 9,480 square miles).

The West Pilbarra field was originally included in the Pilbarra Goldfield, but it was, however, proclaimed a separate field on the 1st November, 1895; the Warden's office being situated at Roebourne, a short distance from the sea coast. This is the only field in the State in which the head quarters is so situated.

The Mallina diggings, the scene of the first discovery of gold in the North-West in the year 1888, lie about 70 miles East of Roebourne. The gold in these reefs is associated with sulphide of antimony.

A considerable quantity of alluvial gold has been obtained from this field.

The total output of gold to the end of 1900 was 4,413ozs., as reported to the Department.

The total output of copper ore to the end of 1900 was 3,826·57 tons, valued at £71,059.

NORTH-EAST COOLGARDIE GOLDFIELD (area 21,542 square miles).

The North-East Coolgardie field was proclaimed on the 15th April, 1896.

What brought this field most into prominence was the discovery of rich alluvial the yields from which at one time attracted thousands of miners to the District, and more alluvial gold has been obtained from this field than from any other in the State.

Extensive deposits of auriferous "pug" are also known to exist, but a process has, however, yet to be discovered by which these deposits can be worked on a large scale at a profit.

As the leads gradually became worked out, reefs were pegged and worked by companies, and now almost the whole yield of gold is obtainable from reefing.

Kanowna, the head quarters of the field, is connected by railway with Kalgoorlie,

The total yield of gold to the end of 1900 was 403,442ozs., as reported to the Department.

BROAD ARROW GOLDFIELD (area 590 square miles).

The Broad Arrow Goldfield was proclaimed on the 20th November, 1896.

An area of about 40 square miles of this field has been geologically mapped, and the then Assistant Geologist (Mr. Blatchford) reported that the ore deposits bore a strong similarity to the Coolgardie Goldfield.

Mining matters on this field have been quiet for some time back; now and again fresh excitement is raised by the discovery of an alluvial lead.

The output continues to increase from year to year, and a few companies are making satisfactory progress in the development of their leases.

The Kalgoorlie to Menzies railway traverses the field.

The total output of gold to the end of 1900 was 151,948ozs., as reported to the Department.

PEAK HILL GOLDFIELD (area 12,194 square miles).

The Peak Hill Goldfield was proclaimed on the 1st April, 1897, though it was discovered as far back as 1892.

At the commencement of the field the returns were phenomenally rich, and even at the present time the average returns are excellent.

The Government has erected a public battery, which has proved of great assistance to prospectors.

The output of gold from year to year has been increasing rapidly.

The total yield of gold from its inception to the end of 1900 was 95,448ozs., as reported to the Department.

GASCOYNE GOLDFIELD (area 5,061 square miles).

The Gascoyne Goldfield was proclaimed on the 15th April, 1897. It adjoins the Ashburton on the South, and the same Warden administers the two fields.

Like the Ashburton this field requires development, and at the present time very little mining is being carried on.

The total yield of gold to the end of the year 1900 was 435ozs., as reported to the Department.

DONNYBROOK GOLDFIELD (area 102 square miles).

The Donnybrook Goldfield was proclaimed on the 27th November, 1899.

Gold was first discovered in the year 1897, and of all the fields in the State this one is the most favourably situated as regards mining facilities, etc., as it is located in a thickly timbered district where abundance of fresh water exists. The Bunbury-Bridgetown Railway also passes through the Townsite of Donnybrook. The field is situated in an agricultural district, and the climate leaves little to be desired.

Considerable difficulty has been met with in tracing the reefs on account of the surface being for the most part covered with ironstone gravel deposits. The few crushings that have as yet been made have given good results.

The Government is endeavouring to assist the district by putting down bores in order, if possible, to prospect for alluvial leads, but though wash showing traces of gold has been discovered, so far nothing of value has been met with.

The total output of gold to the end of 1900 was 979ozs., as reported to the Department.

PHILLIPS RIVER GOLDFIELD (area 1,300 square miles).

The Phillips River Goldfield was proclaimed on the 14th September, 1900. It is situated to the South of the Dundas Goldfield and adjoining it on its extreme South-Western boundary and extending South to the coast.

Rich deposits of copper exist in close proximity to the gold-bearing reefs. The field is, at present, in its initial stage, but the completion of batteries now being erected will shortly go to prove its value.

The Government has offered a subsidy towards the erection of a battery that will be available for crushing for the public.

The total output of gold to the end of 1900, as reported to the Department, was 39ozs. ; and 34 tons of copper were also produced.

COLLIE MINING DISTRICT (area, 233 square miles).

The Collie Coalfield is named after the river on which it is situated ; it is distant from the port of Bunbury about 25 miles, and connected therewith by rail.

Many years ago it was rumoured that coal had been found in the river bed, but it was not till the year 1889, when Mr. David Hay, guided by J. Perrin, who had some time previously found some coal there, that any attempt was made to test the truth of those rumours. In 1892 the Government, with the advice of Dr. Robertson (who had been employed to make a report on the field, and had pronounced the mineral to be true coal), started a series of bores in order to further test the area of coal-bearing country and the width of the seams. The boring operations proved that the State had a very valuable asset in this field, and a number of seams were discovered and of considerable size.

The field was first proclaimed on the 25th August, 1892, the boundaries being afterwards amended and again proclaimed on the 21st February, 1896.

Several leases were taken up, but worked in a very half-hearted manner. The Government then decided to call for tenders for leasing the Government Mine, now known as the " Wallsend Colliery," and from this out marked the rapid progress of the field. The energy with which the successful tenderer worked the lease induced the other companies to make further efforts to develop their properties.

When the goldfields timber resources become exhausted there should be a great future for this field.

The total output of coal to the end of 1900 was 176,254·10 tons.

NORTHAMPTON MINING DISTRICT (area 930 square miles).

Active mining operations in this State were first carried on in the Northampton District as far back as the year 1842, when lead and copper were first discovered.

The first discovery of a copper lode was made at Wanerooka by a shepherd, named Thomas Mason.

In the past large quantities of lead and copper have been produced, but in no case has sinking been carried on to any great depth, and when the price of these metals fell the mines generally were abandoned ; but there is little doubt that if mining operations were continued good results would follow. A good rise in the price would see some of these abandoned properties taken up again.

The total output of copper ore to the end of 1900 was 9,349·28 tons, valued at £147,944.

The total output of lead ore to the end of 1900 was 33,643 85 tons, valued at £364,756.

THE GREENBUSHES TINFIELD (area 39 square miles).

The discovery of tin at Greenbushes appears to be due to a former Government Geologist, Mr. E. T. Hardman, who induced Mr. Stinton to prospect for this mineral.

The field is situated between Donnybrook and Bridgetown, and the railway which connects these two places traverses it.

In the early days of the field the greater portion of the holdings were claims, but as the richer surface deposits became worked out the claims were abandoned, and re-taken up as leases, and the larger portion of the field is now held in that form.

The future progress of this field depends upon a plentiful supply of water for mining purposes, and it is probable that this will be obtained by pumping from the Blackwood River.

The total output of black tin to the end of 1900 was 2,303·27 tons.

A Description of the Reduction Plants and Processes of Reduction on some of the principal Mines near Kalgoorlie, East Coolgardie Goldfield.

Written for the Royal Commission, Glasgow International Exhibition, 1901, Western Australian Court, Mineral Section, by Robert Allen, M.A., B.Sc., from information obtained upon the mines, which, to insure accuracy, has been submitted to the managers of the respective mines for correction previous to publication.

Included in the Report of the Mines Department by kind permission of the Commission.

ASSOCIATED GOLD MINES OF WESTERN AUSTRALIA, LIMITED.

SULPHIDE ORE TREATMENT.

The treatment and plant are being altered, in part due to the adoption of the method of sliming of all the ore—in the place of treating it as sands—the modified process being as follows:—

The ore, as received, is dumped upon four grizzlies, with bars set to two inch spaces, the coarser portions being broken to two inch sizing by four No. C Comet breakers; the product from these, with the fines from the grizzlies, gravitates into two 200-ton bins. From these bins, by means of shoots and automatic feeders, the ore is passed through four sets of Roger rolls, 36 inches in diameter, set to produce a one-inch product. The rolls product is then dried by passing through four cylindrical driers, of the Howell-White type, from which it is elevated by four chain and bucket elevators, to four ball mill bins. The driers are heated by the waste gases from the roasters. Ten No. 5 Krupp ball mills are fed from the bins by automatic grasshopper feeders and crush through No. 30 mesh steel wire screens.

The mills have each a capacity of 22 tons per day. Screw conveyors bring their product to the boots of four belt and bucket elevators, and deliver it into two 200-ton furnace supply bins.

Four Ropp furnaces, fed by screw conveyors from these bins, roast the ore, with wood fuel, and have each a roasting capacity of 60 tons per day.

Push conveyors bring the roasted ore from the furnaces to a pair of distributing push conveyors, which distribute it between 20 shoots, each four inches in diameter. These lead to 20 Wheeler grinding and amalgamating pans, each five feet in diameter, water being introduced with the roasted ore into the shoots to form the pulp. Mercury in the bottoms of these pans amalgamates the gold liberated by the grinding. Until recently there was little or no free gold in the raw sulphide ore. The pans continuously overflow into 10 settlers of larger diameter, which complete the sliming of the ore. These discharge into two launders leading to two tailings plunger pumps, which elevate the pulp to the settling vats, each 35 feet in diameter, and eight feet deep. After the pulp has been allowed to settle in these vats for some time the supernatant liquor, containing salts deleterious to the subsequent cyanide treatment, is drawn off. The pulp, thus thickened up, is led away through bottom discharge valves into the agitation vats which, 12 in number, are each 18 feet in diameter and five feet deep. These hold about 100 tons of slime each, and are fitted with ordinary suspended paddle agitators.

The pulp when sufficiently agitated, after the addition of the necessary cyanide, is drawn off into four montejus, worked alternately. These are used to fill eight Dehne presses, each holding about $4\frac{1}{2}$ tons of slime.

The gold-bearing solution from the presses is first clarified by being passed through a small auxiliary Dehne press, and is then led to an intermediate solution tank from which it is passed through six zinc extractor boxes, which exhaust its gold contents.

GOLDEN HORSESHOE ESTATES CO., LIMITED.

The processes of reduction include battery and cyanide treatment of the oxidised, and smelting of the sulphide ore.

Oxidised Ore Treatment.—The ore, as received at the brace, is dumped upon two grizzlies with spaces to screen a two-inch product, the coarse portion from which being passed through two No. 3 Gates breakers. The fines from the grizzlies and the breaker products fall into a bin holding 200 tons. From this bin the ore is trucked to the battery bins. At every half-hour, the contents of a truck are discharged from the level of the battery bin floor through a gravitation sampling tower, which, by means of six equal

cuts successively, samples about 24 tons per day down to about $7\frac{1}{2}$ cwt. This quantity, broken down and sampled by laboratory breakers and rolls, gives a very satisfactory assay sample. The battery is of 50 head, of 950 pound stamps, of which 30 are made by Fraser & Chalmers, the remainder being by Martin & Co. It is fed by Challenge feeders, and with 24 mesh woven wire screens and the stamps dropping 95 times per minute with a seven inch drop, has a duty per stamp of $4\frac{1}{2}$ tons per 24 hours.

A sizing analysis of the battery pulp is approximately as follows:—

Remaining on a 50 mesh screen	...	...	...	1.8 per cent.
Remaining on a 100 mesh screen	...	...	...	6.1 „
Passing through a 100 mesh screen...	...	...	...	92.1 „

The free gold is amalgamated and caught in the boxes and on apron plates in the usual way.

The overflowing tailings are passed over a set of canvas tables, the full width of the battery and 25 feet long, on which is eliminated an amount of coarse concentrates, representing about one per cent. of the weight of the ore.

The sands and slimes, overflowing from the tables, are raised by four Cornish tailings pumps, worked two at a time, and distributed between 10 Wheeler type grinding and amalgamating pans. The pumps will probably be replaced by air jet lifts later on. The pans, each five feet in diameter, further reduce the size of the tailings and amalgamate the liberated gold. They are fitted with amalgamated copper plates, the bulk of the gold recovered by the pans being caught by mercury in the bottoms. The pulp continuously overflowing from them passes through five settlers five feet in diameter; it is then delivered to a No. 1 spitzkasten, from which the underflow, being controlled, yields a slimes overflow and a sands underflow in correct proportions.

The sands in the underflow are then elevated by a tailings wheel 42 feet in diameter, and delivered by means of Butters' distributors to the collecting vats as required. Slimes overflowing from these vats, together with the slimes overflowing from the No. 1 spitzkasten, are delivered to a No. 2 spitzkasten, which eliminates as an underflow any fine sands which may have escaped in the overflow from No. 1 spitzkasten. These sands are sent to the tailings wheel and delivered to the vats with the other sands. The slimes overflow from No. 2 spitzkasten is distributed over 16 canvas strakes, 31 feet long and $20\frac{1}{2}$ inches wide, on which a small percentage of very fine concentrates is eliminated. These concentrates, together with those collected by the canvas tables below the apron plates, gravitate through launders to a sump, from which, by means of a tailings pump, they are raised to a concentrates bin at the railway siding; they are shipped to the Smelting Works at Fremantle.

The collecting vats, in which the sands receive the first part of their cyanide treatment, are each 20 feet in diameter and seven feet deep, and contain each a charge of 74 tons net of sands. They are discharged into an equal number of vats below them of the same diameter, in which their treatment is completed. The usual time of treatment of each charge is between seven and 10 days. About 43 per cent. of the sands thus treated will pass through a 100 mesh screen. The sizing analysis of the sands treated is approximately as follows:—

Remaining on a 50 mesh screen	..	...	...	24.7 per cent.
Remaining on a 100 mesh screen	...	...	...	31.4 „
Passing through a 100 mesh screen	...	...	...	43.9 „

The gold-bearing liquor from the vats is exhausted of its gold contents by three zinc extractor boxes.

The slimes overflowing from the second set of canvas tables, gravitate into a slimes sump, from which they are raised by two plunger pumps and delivered directly into nine Dehne filter presses of four tons capacity each, three presses being usually filled at a time. Three montejus are available, but are not at present being used: probably they will be put into use later on when the filter press capacity of the plant is increased. The presses have each 50 frames forming three-inch cakes.

The slimes are not agitated, but treated in the presses by forcing cyanide solution through the cakes: these slimes are absolute, all passing through a 150 mesh screen.

The gold-bearing solution from the presses is first clarified by being passed through three Excelsior filter presses, and then exhausted of its gold contents by four slimes zinc extractor boxes.

The zinc sludge from the sands and the slimes is cleaned up by the ordinary method, sulphuric acid treatment being employed, and a tilting furnace for smelting the gold slimes being used.

The capacity of the oxide ore treatment plant is between 6,000 and 7,000 tons per month.

Of the total gold recovered by the oxidised ore treatment plant, about 58 per cent. is recovered by amalgamation, the balance being recovered from the slimes and sand in about equal proportions. The average total extraction is about 90 per cent.

Sulphide Ore Treatment.—The rich sulphide ore is treated upon the mine, whilst the ordinary ore is shipped for treatment to the Smelting Works at Fremantle.

Very rich sulphide is delivered to a furnace bin direct. The furnace, a water-jacketed blast furnace, made by Martin & Co., of Gawler, has a capacity of 30 tons of ore and flux per day, eight to ten tons of ore being treated per day. The fluxes are ironstone, procured locally, limestone procured from Southern Cross, and silver lead ore imported from Broken Hill, New South Wales; the reduced lead acts as a vehicle for the gold. Scrap iron is used as a desulphurising agent, whilst a mixture of 90 per cent. of coke and 10 per cent. of Collie coal is used as fuel.

The silver and gold-bearing lead bullion, produced by this furnace, is refined on two American type cupels, made by Martin & Co., of Gawler, South Australia. A small blower of Roots type, by Burton & Co., supplies the necessary air to the cupels. The litharge produced from these being collected as formed, is returned as a source of lead to the smelter.

A Miller's chlorine plant is in course of erection to separate the silver from the resulting bullion, and return it separately. Usually about 250 tons of high-grade ore are treated by this plant on the mine per month.

The ordinary grade sulphide ore is broken by a Blake-Marsden rock breaker, set to produce a three-inch product, and then delivered into a shipping bin at the railway siding, from which it is sent to the Fremantle Smelting Works for treatment. From 2,000 to 2,500 tons, containing from 5,000 to 6,000 ounces of gold, are shipped per month.

The total monthly output of the mine is between 15,000 and 15,500 ounces of gold.

GREAT BOULDER MAIN REEF.

SULPHIDE ORE TREATMENT.

The sulphide ore, as received, is passed through a No. 3 Gates crusher, which yields a $1\frac{1}{2}$ inch product, which falls into a bin. A Challenge feeder then delivers it from the bin to a Robins belt conveyor, which delivers it without previous drying to two No. 5 Krupp ball mills, in which it is crushed to pass a No. 30 screen. With damp schistose ore about 80 per cent. of the product passes through a 100 mesh screen; with dry quartz ore, about 50 per cent. The capacity of the ball mills is about 30 tons per day each, the wear and tear of the balls amounting to 0.3lbs. per ton crushed. A vertical bucket and belt elevator raises the ball mill product to a point where, by means of an adjustable sliding door, it is divided into two parts: one part gravitating through a shoot to a screw conveyor, which delivers it through shoots to three Edwards's roasting furnaces; the other part being delivered to the boot of a second belt and bucket elevator, is raised to the feeding floor of a Richards type shaft furnace. This shaft furnace is 65 feet high, 30 feet long, and 12 feet wide, with 11 arches, forming 11 floors. The ore is distributed over the whole length of the uppermost floor by a screw conveyor, and falls into the furnaces through a row of holes. The capacity of this furnace is 35 tons per day approximately. The three Edwards's furnaces, the same as are in use on the Great Boulder Proprietary Gold Mine, have a capacity of from 12 to 15 tons per day each. Wood fuel is used in all furnaces, the consumption in the shaft furnace being about 10 per cent., that in an Edwards's furnace being 15 per cent. of the weight of the ore roasted. Roasting causes a loss in weight of about 15 per cent. of the raw ore, a corresponding increase in assay value occurring. The roasted ore is discharged into a launder, and by a stream of plant water containing free cyanide, is led away as a thin pulp to a tailings wheel, which elevates it to a large spitzkasten, whose object is the thickening up of the pulp. The clear water overflow is returned to a storage tank, whilst the underflow is divided at the bottom by five jets, into a slimes product and a coarse sands product. The slimes product is pumped up into four agitation vats, each 21 feet in diameter and six feet deep, where, after the addition of the necessary cyanide, the pulp is agitated by ordinary paddle agitators for about eight hours, each vat contains pulp equivalent to about 20 tons of slime. The sands portion is distributed between six five-foot diameter Wheeler pans, which grind it fine, the liberated gold being caught by mercury in the pans; no amalgamated copper plates are used, and the pulp is continuously overflowing from the pans. A spitzkasten divides the overflowing pulp into sands and slimes: the former are sent back to the pans for regrinding, whilst the latter are pumped to the agitation vats to be agitated with the other slimes.

After treatment in the agitation vats is complete, the pulp is drawn off into one of two montejus and then filter-pressed in four Dehne presses, which take about 3 tons 15 cwt. of ore each. The issuing gold-bearing solutions, after having been clarified by being passed through an additional press, are led into three zinc extractor boxes, where the gold contents are exhausted. About 90 per cent. of the gold recovered is obtained by cyanide treatment. The monthly capacity of the plant is between 1,800 and 2,000 tons.

GREAT BOULDER PERSEVERANCE G.M. CO., LIMITED.

I.—SULPHIDE ORE TREATMENT.

The ore, as received, is first dumped upon a grizzly, the coarse portion from which is passed through a No. 5 Gates breaker; the breaker product, together with the previously separated fines, is divided, each part passing over a second grizzly. The coarse portions from these grizzlies are passed through two No. 3 Gates breakers; their product, together with the fines, being collected in a 1,200-ton bin.

From the bin, by means of a Challenge feeder, the crushed ore is fed upon a Robins belt conveyor, and raised to a shoot from which it is trucked to a Griffin mill bin. Provision is made, in the case in which the ore is wet, which seldom happens, for passing it through two cylindrical driers, divided internally into quadrants, and heated by the waste gases from the furnaces.

From the Griffin mill bin, by means of automatic eccentric feeders, 10 Griffin mills are supplied. These are fitted with 15 mesh screens, have a capacity up to 40 tons each per day, and require 25 h.p. each to drive them. The wear and tear of a Griffin mill, including renewals, amounts to 7d. per ton.

The sizing analysis of the Griffin mill product is approximately as follows:—

Passing through a 120 mesh screen	...	...	72.6 per cent.
Remaining on a 120 " "	...	...	3.5 "
" " 100 " "	...	...	2.3 "
" " 80 " "	...	...	6.5 "
" " 60 " "	...	...	7.1 "
" " 40 " "	...	...	4.1 "
" " 30 " "	...	...	3.2 "
" " 20 " "	...	...	.7 "
" " 10 " "	...	...	Nil.

Dust from the Griffin mills is withdrawn from beneath them by a Sturtevant fan, settled by cyclone arrestors, and deposited on the hearths of the roasting furnaces. A large brick settling chamber is provided for settling fine dust from the furnaces; the dust, at long intervals, is removed from the chamber and roasted with the ore. About 50 tons of dust per month, equal to about one per cent. of the ore, is thus separated. The mills are discharged below, each by a screw conveyor, into a cross conveyor, which delivers the product to the boot of a belt and bucket elevator, with 14-in. buckets. This delivers it to an upper belt conveyor of Robins type, by means of which the ore is distributed directly to the feed hoppers of six furnaces.

These are fed by means of automatic eccentric feeders. They are of Holtoff-Wetthey type, with fixed horizontal hearths, each 120 feet long and 12 feet wide. At present there are four furnaces in use, but two more are being installed. The ore is stirred and carried forward by travelling rabbles, there being eight rabbles to each furnace. Less than .02 per cent. of undecomposed sulphides is left in the ore after roasting. The roasted ore is discharged upon a cooling floor beneath the bed of the furnace, and carried back the whole length of the furnace by the rabbles. Each furnace can roast 65 tons per day.

The cooled ore is brought by two screw conveyors to an elevator, which delivers it to a Robins conveyor, feeding into a closed-in mixer, five feet in diameter. This, by means of a propeller-shaped agitator, upon the addition of sufficient plant water, forms a pulp of consistency about 40 per cent.

The pulp overflowing from the mixer is distributed between 11 grinding and amalgamating pans, of which eight are eight feet in diameter, of Mr. Nichols's special design, and three are of five feet diameter, by Forwood, Down, & Co.; the latter will be replaced by the larger pans as soon as these reach the mine.

In these grinding pans the pulp is almost completely slimed and the free gold amalgamated. About 50 per cent. of the gold yield is thus recovered.

The pulp continuously overflowing from the pans, is led into the agitation vats, where, after the necessary addition of strong cyanide solution, the pulp is agitated for from two to four hours only.

These vats, 20 feet in diameter and four feet six inches deep, hold pulp equivalent to about 16 or 17 tons of dry slime each. After each vat has been in use about six weeks, it contains a small deposit of fine sands, which is shovelled out and put back into the pans for regrinding. The agitator vats are fitted with agitator paddles of special design, and, by means of six inch bottom discharge gates, are discharged into four montejus worked in turn, from which 12 Dehne four and a-half ton filter presses are filled, each forming 50 three-inch cakes.

Between 55 and 66 pressfuls can be treated in 24 hours. The gold-bearing liquor from the presses is clarified, by being pumped through a large Dehne clarifying press, and then is exhausted by seven ordinary zinc extractor boxes. The gold is recovered from the zinc sludge in the ordinary way. The residues are discharged from the presses upon a 24 inch horizontal belt conveyor below them, delivering upon an inclined belt conveyor from which they are dumped: the expense of handling them is thus much reduced.

II.—OXIDISED ORE TREATMENT.

The plant consists of a 20-head battery with apron plates and canvas tables. The free gold is amalgamated and the tailings, by means of spitzkasten, separated into sands and slimes. The slimes are agitated with the necessary cyanide solution, and the treated pulp filter pressed by means of four Dehne four ton filter presses.

The sands are leached with cyanide solution in four rectangular-shaped vats, holding 100 tons each.

The gold-bearing solutions are precipitated in zinc extractor boxes in the ordinary way.

The concentrates eliminated by the canvas tables are shipped to the Smelting Works.

GREAT BOULDER PROPRIETARY GOLD MINES, LIMITED.

SULPHIDE ORE TREATMENT.

The plant is divided into three sections, the sulphide mill, the battery, and the cyanide works. In the first, the sulphide ore is reduced by dry crushing, roasted, and treated by amalgamation; in the second, the sulphide ore is reduced by wet crushing, and treated by amalgamation, without roasting; and in the third, the pulp from each of the former is cyanided, as also are the oxidised slimes at present dumped.

I. *The Sulphide Mill.*—The ore, first delivered upon the floor over a No. 5 Gates breaker, is hand sorted, the ore of very low value, amounting from three to four per cent. of that mined, being eliminated, and returned for filling. The remainder is all passed through the No. 5 breaker, set to give a two-inch product. It is then passed through a trommel, which screens off a proportion of fines of up to $\frac{7}{8}$ -inch diameter sizing.

The coarse portion from this trommel is delivered by two Grasshopper conveyors to a 500-ton bin, over three No. H Gates crushers. These, fed by automatic Gates roll feeders, crush each 100 tons per day to half-inch size.

The H crusher product, by means of Robins' belt conveyors, is taken to the Griffin mill bin. The fines from the trommel when dry are taken by belt conveyors direct to the same bin, but when damp are first dried by being passed through a cylindrical drier of White-Howell type, and then elevated to the bin.

The ore contains about three per cent. moisture on the average, and with this amount does not require drying for the dry crushing process. Very wet ores containing up to 10 per cent. moisture are stored in a paddock on the surface, where they act as a reserve, and where the sun dries the surplus moisture off. Shoots from the Griffin mill bin lead into 10 hoppers, from which by means of automatic feeders, 10 Griffin mills are fed.

Each Griffin mill requires 25 h.p., and with the screens used, 15 mesh woven steel wire, has a capacity of 26 tons per day. According to the nature of the ore, between 75 and 85 per cent. of the Griffin mill product will pass through a 120 mesh screen. The Griffin mill dies are turned partly around four times usually during their life, the wear and tear of the mills, including repairs, averaging 13 ounces of metal per ton of ore. Dust from the Griffin mills is drawn away through a zig-zag pipe by a fan, and deposited in a large settling chamber; from this it is withdrawn at intervals, and roasted with the ore. Each Griffin mill is discharged below by a screw conveyor leading to a double spiral conveyor, by which the ore is distributed between a series of shoots leading to 12 Edwards's furnaces.

The furnaces, fed by Gates roll feeds, have a capacity each with this ore of about 12 tons per day with wood firing, 15 tons per day gas firing. Each is essentially a box girder-lined on the inside, for the greater part of its length, with ordinary bricks, but with firebrick at the bridge end. It is supported on the cantilever principle on a pivot at its centre, and, by means of a screw-jack at the discharge end, is adjustable as to the inclination of the hearth; the amount of inclination in practice is usually about 15 inches on its total length, which is 64 feet.

The ore is stirred and carried forward in each furnace by 15 rabbles, the arms of which are at right angles to shafts passing through the roof of the furnace. Externally, bevel gearing, absorbing about one horse power per furnace, rotates these shafts in alternately opposite directions. The first 13 rabbles rotate at the rate of one and a-half revolutions, the 14th at four revolutions, and the 15th, or discharging rabble, at six revolutions per minute: thus there are six discharges per minute. The last five rabbles are each carried by a water-jacketted carrier, the rabbles sliding on the carrier. The wear and tear, which is extremely small, is confined to the lower end of the furnace, the replacing of the worn-out parts being made by castings made on the mine. The upper ten rabbles consist each of a blade at right angles to the rotating shaft. They have already been in use on the mine for ten months without repair. At present some furnaces are fired with wood, 15 per cent. of the weight of the ore in fuel being necessary, the remainder are being fired by producer gas, made by three producers. These are of the cylindrical type and fed by means of bell hoppers, with a mixture of Collie (Western Australia) and Newcastle (New South Wales) coals, the best results so far having been obtained with a mixture of equal parts. The necessary air is forced into the coal by means of a steam injector. Screened Collie coal, viz., without dust, can be used alone, but unscreened requires an admixture of some Newcastle coal. Collie coal costs about 32s. per ton, Newcastle costing from 58s. to 60s. per ton on the mine. For producing gas, eight cwt. Newcastle coal are equivalent to about 15 of Collie coal, so that the coals, in proportion to their efficiencies, cost about the same. Automatic feeders to the producers, will be probably subsequently introduced.

The producer gas is now led direct to the furnaces, but later on, will be first passed through scrubbers, and previous to ignition will be mixed with the necessary quantity of air for combustion, on the Bunsen principle. It is not intended to use gasholders.

By the introduction of gas firing throughout it is calculated that a considerable economy will be effected in labour and fuel, and the roasting costs will be reduced from 4s. 6d. to 3s. per ton. In roasting, the ore loses in weight about six per cent., a corresponding increase in assay value occurring. The roasted ore contains about 0.16 per cent. residual sulphur as sulphide, and 2.5 per cent. as sulphate. These percentages vary slightly with the nature of the ore, and also with the rate of passage of the ore through the furnaces.

At the discharge ends of the furnaces two push conveyors, delivering to two cross push conveyors, bring the ore to two Krupp chain and bucket elevators, which raise it to two closed-in mixers. At the discharge end of the elevators a pipe cuts out continuously a sample of the ore.

The mixers, each five feet in diameter, are fitted with ordinarily suspended paddle agitators, consisting of two arms at right angles. Mill water, or any surplus liquor from the cyanide works, introduced with the ore into the mixer, forms a thin pulp with it.

From each mixer the pulp flows into six grinding and amalgamating pans, of Wheeler type, each five feet in diameter, in which no amalgamated copper plates are used, but mercury amalgamates and retains the liberated gold.

Each three of these pans overflows continuously into a settler of larger diameter, where the sliming of the pulp is completed, and any amalgamated particles escaped from the grinding pans are arrested. Between 30 and 40 per cent. of the gold yield from roasted sulphide ore treatment is recovered by amalgamation, and from 50 to over 65 per cent. by cyanide treatment subsequently, results depending upon the nature of the ore. Of the pulp overflowing from the settlers, about 98 per cent. passes through a 120 mesh screen, the remainder passing through a 100 mesh screen. The settlers discharge into a dam, holding 250 tons of slime, there being five altogether, used in turn. The pulp is settled in these for about 30 hours, after which time the slime is sufficiently compact to handle; it is then trucked to the cyanide works.

II. *The Battery.*—This previously has been used for milling oxidised ore, but now is crushing raw sulphide ore. To avoid crushing telluride ore, the less valuable material is treated by this part of the plant. The ore first broken by a rock breaker, is fed into the 30-head battery, inside and outside amalgamation being used. In the battery, No. 24 mesh screens are employed. The issuing pulp is then distributed between six Wheeler type grinding and amalgamating pans, from which it overflows continuously into three settling pans of larger diameter. Between 88 and 90 per cent. of the pulp, after passing the settling pans, will pass through a 100 mesh screen.

The pulp after leaving the settling pans is caused to flow over four sets of canvas tables. On these about nine tons per day of concentrates are eliminated, which, in future, will be dried in a separate cylindrical drier of White-Howell type, and then roasted in one of the Edwards's furnaces: afterwards they will be treated as is the roasted sulphide ore.

The pulp overflowing from the canvas tables is led into one of three 700-ton dams, where it is settled, the supernatant water being returned to the battery. When sufficiently drained to be shovelled it is trucked to the mixer of the cyanide works. The gold extracted by amalgamation from the raw sulphide ore varies from about 30 to 40 per cent., according to the nature of the ore, from 26 to over 50 per cent. of the gold won being recovered by cyanide treatment subsequently.

III. *The Cyanide Works.*—In this department are treated by cyanide the raw sulphide ore pulp from the battery, the roasted ore pulp from the sulphide mill, and the oxidised slimes from the dump. The first is treated separately, but the last two are mixed and receive the same cyanide treatment. The oxidised slimes are so fine that about 93 per cent. will pass through a 120 mesh screen.

The capacity of the cyanide works is 300 tons per day. Each truck of slimes, as received at the works, is dumped into a mixer, fitted with a rapidly-rotating suspended propeller-shaped agitator, and, with a stream of cyanide liquor, formed into a pulp of consistency about seven parts of slime to eight of solution.

From the mixer, a plunger pump raises the pulp to one of two large storage tanks, each holding 40 tons of slimes net, one being used for mixed oxidised ore slimes and roasted ore slimes, the other for raw sulphide ore slimes. Each is fitted with a suspended agitator, which, by slowly revolving, prevents the pulp from settling.

As required, the pulp is drawn off from these storage vats into 15 agitation vats, of which nine hold 15 tons net of slimes each, and the remaining six 30 tons each.

These agitation vats are each five feet deep. The raw sulphide ore pulp is agitated for about 14 hours, the oxidised and roasted ores slimes from 20 to 24 hours.

Four montejus, each of 500 cubic feet capacity, of which two are used at a time, receive the pulp when treated, and deliver it to the filter presses, two montejus containing enough pulp to fill about three presses.

There are four Dehne presses, each holding 4.25 tons of raw ore, or four tons of roasted ore, and five Martin presses, each holding 3.4 tons of raw ore, or 3.25 tons of roasted sulphide ore. Three-inch cakes are made by all the presses.

The gold-bearing liquor from the presses previously clarified by gravitating through four Excelsior presses, is exhausted in four ordinary zinc extractor boxes. The zinc sludge is cleaned up in the ordinary way, sulphuric acid treatment being employed. A tilting furnace is used for smelting the slimes.

A Miller's chlorine plant is being installed to eliminate the silver from the resulting bullion, and return it separately. The residues from the presses are trucked away to a Lidgerwood flying fox, by which they are dumped.

At present the rate of extraction with raw sulphide ore treatment varies between 86 and 90 per cent., that with the roasted ore and oxidised slimes treatment between 93 and 94 per cent., the roasted sulphide ore being of about 30 dwt. per ton grade, whilst the raw sulphide ore is of lower value. The total cost of extraction per ton is now between 25s. and 26s.; this is being gradually reduced.

An analysis of a sample of oxidised ore, air-dried, gave:—

Silica	...	...	...	...	66.80	per cent.
Alumina	...	...	...	...	8.44	"
Ferric Oxide	...	...	...	...	17.39	"
Magnetic Oxide of Iron	...	...	...	...	0.46	"
Lime	...	...	...	...	0.37	"
Magnesia	...	...	...	...	0.13	"
Chloride of Sodium	...	...	...	...	0.50	"
Water (combined)	...	...	...	...	5.15	"
Water (moisture), balance	...	...	...	...	0.76	"
					100.00	

An analysis of an air-dried sample of sulphide ore, from the 1,100 foot level, gave:—

Silica	...	...	...	...	74.95	per cent.
Alumina	...	...	...	...	1.75	"
Sulphide of Iron	...	...	...	...	5.40	"
Carbonate of Iron	...	...	...	...	3.22	"
Carbonate of Calcium	...	...	...	...	7.03	"
Carbonate of Magnesium	...	...	...	...	4.76	"
Alkalies	...	...	...	...	1.40	"
Water (combined)	...	...	...	...	0.25	"
Water (moisture), balance	...	...	...	...	1.24	"
					100.00	

It is noteworthy that the percentage of silica is increasing in the ore in the lower levels; this seems to be the general rule throughout the District, and may have some bearing upon sulphide treatment subsequently.

Part of the water used in the reduction works is procured from the mine; it has a percentage of solids, varying between about seven and 13 per cent., according to the shaft it is pumped from, and has at present an alkaline reaction.

An analysis of water from Lane's shaft, from 1,000 foot level, recently made, showed 7.20 per cent. of solids, made up as follows:—

Alkaline Chlorides	5.675
Magnesium Chloride ... ..	.744
Sulphate of Calcium ... ..	.379
Oxide of Calcium ... ..	.403
	7.201

The presence of the last ingredient is possibly due to soakage from the settling dams.

HANNAN'S STAR GOLD MINE, LIMITED.

Sulphide Ore Treatment.—The ore is treated without roasting by the method of Dr. Diehl; the plant for the treatment having been arranged and erected by the London and Hamburg Gold Recovery Company, has a monthly capacity of about 1,500 tons.

The ore as received at the brace is dumped upon a grizzly set with $2\frac{1}{2}$ inch spaces, the coarse portion being crushed with an ordinary Blake-Marsden stone-breaker. The ore is then trucked to a double cage hoist and dumped into the upper section of a large double compartment mill ore bin, from which, by means of worm feeders, it is fed into two No. 5 Krupp ball mills, previous drying having been discarded. In the ball mills 30 mesh screens are used: 65 per cent. approximately of their product passing through a 100 mesh screen. Elevators raise this product to a shoot passing through the lower compartment of the mill bin, from which it is conveyed to a horizontal cylindrical mixer, fitted with rotating paddles, plant water containing a little free cyanide being also introduced with it to form a thin pulp. A spitzlutte (A) separates the pulp into a thin slime overflow (B) and a sand (with concentrates) underflow (C).

The thin slime (B) is thickened up by being distributed over four sets of spitzkasten (D) of three each, from which the clear water overflow gravitates to a settling tank to be used again, and the thick pulp underflow is passed to one of four agitation vats, each 26ft. in diameter and six feet six inches deep, and agitated after addition of potassium cyanide and bromo-cyanide for from 20 to 26 hours. After agitation the sludge is drawn off into a monteju and delivered into two Dehne filter presses, holding about 4.1 tons of dry slime each. Very dry cakes are produced, the contained moisture being about 14 per cent. only. The gold-bearing solution from these presses gravitates to four clarifying vats. It is first led to two vats which act as settlers, and then by syphons into the other two vats, which, being fitted with filter bottoms, act as filters. The clear solution is passed through extractor boxes, where, with ordinary zinc shavings, the gold is precipitated.

The sand and concentrates underflow (C) is led over two large amalgamated copper tables (E) to arrest the free gold in the ore, and thence to a large spitzkasten (F), which separates a fine product (G) and a sandy product (H). This latter is delivered to a Krupp flint mill, where it is finely ground—all the product being elevated by a belt and bucket-elevator back to the spitzkasten (F), so that the coarser portions are sent back for regrinding, until all is ground exceedingly fine. The slime portion (G) is delivered to four spitzluten, where any fine sands, which may have escaped with the slimes, are separated and sent back over the tables (E), the overflow passing to the spitzkasten (D) for treatment with the remainder of the slime (B), previously eliminated.

IVANHOE GOLD CORPORATION, LIMITED.

SULPHIDE ORE TREATMENT.

The present plant, which hitherto has been used for treating oxidised ore only, is now treating intermediate and sulphide ore from all parts of the mine down to the 500 foot level.

The ore is first passed over a grizzly, with two inch spaces, and the coarse portion broken by a No. 5 Gates breaker, the product, with the previously separated fines, falling into a 400-ton bin, it is trucked in one-ton trucks to a 60-head stamp mill, the stamps being 900lbs. each, and dropping 90 drops per minute. The duty of each stamp is $3\frac{1}{2}$ tons per 24 hours, the screen being a No. 16 punched. Feeding to the boxes is done by Challenge feeders.

From the mills the pulp flows over apron plates each 15 feet long and five feet wide, and then over canvas tables each 40 feet long and 22 inches wide. The concentrates eliminated by the latter, representing about one per cent. of the ore, and worth about 10 ounces per ton, are shipped to the Fremantle Smelting Works. Twelve Wilfley tables will probably be introduced beyond the canvas tables later on.

The sands and slimes flowing from the canvas tables are, by means of two 12-inch tailings pumps, elevated and delivered to a spitzkasten. This separates a coarse sand underflow, and a slime and fine sand overflow. The former is distributed between four Wheeler pans for finer grinding and the arresting of liberated gold by mercury; the pulp from the pans, continuously overflowing, is re-elevated by the pumps to the spitzkasten.

The overflow from the spitzkasten containing the slimes and fine sands, is, by means of a Butters' distributor, delivered to one of eight collecting vats, each 21 feet diameter and six feet six inches deep. The slime overflow from the vat is passed through a second spitzkasten, in order that any sands which may have escaped from the vat, may be sent back to it again.

The sands in the collecting vats, after draining, are given a preliminary cyanide treatment, and then discharged into the secondary treatment vats below, each 22 feet in diameter and six feet six inches deep, where their treatment is finished. The gold-bearing solution from these sands is precipitated in two zinc extractor boxes in the ordinary way. The slimes overflowing from the second spitzkasten, are allowed to flow to one of five settling tanks, where they are thickened up to a consistency of about one part of slime to one of water, by allowing them to settle a short time, and drawing off the supernatant liquor. Agitator paddles, with which the tanks are fitted, are then set in motion, and when the pulp is all fluid again it is discharged into a small mixing tank, fitted with a propellor-shaped agitator, the necessary cyanide solution being introduced at the same time and incorporated with the pulp. An eight-inch plunger pump delivers the cyanided pulp to one of six agitator vats, each 20 feet in diameter and 10 feet deep, where it is agitated for about 24 hours, after which time, by means of one or two montejus the pulp is introduced into four Dehne filter presses, each of capacity of three tons of ore, the cakes being two inches thick.

The gold-bearing solution from the presses, after being passed through a Johnston's filter press to clarify it, is exhausted of its gold contents by two slimes zinc extractor boxes.

The capacity of this plant is about 6,500 tons per month: it will be subsequently slightly modified later on, after the addition of the new section to it has been made.

Arrangements have already been made for the increase of the present stamp mill to 100 heads, and making the necessary alterations in the sand plant to cope with the additional tonnage.

The increase of the stamp mill is to consist of 40 heads of Fraser & Chalmers' stamps of 1,150lbs. weight, with Wilfley concentrating tables: after these will follow blanket strakes as in the present mill.

It is intended to erect, at an early date, two Edwards's patent roasting furnaces for the treatment of the concentrates caught by the Wilfley tables, which will be first roasted, then passed through Wheeler grinding pans to reduce to slime, afterwards cyanided and filter pressed. The capacity of the plant with proposed additions, will be approximately 10,000 tons per month.

Two new filter presses have also been erected to be in readiness.

An analysis of a sample of sulphide ore, taken at the 500 foot level, gave the following results:—

Silica	73.00	per cent.
Sulphur	3.01	"
Alumina	2.50	"
Ferric oxide	10.70	"
Lime	5.40	"
Magnesia	3.90	"
Water	0.20	"
Undetermined (soda, potash, etc.)	1.29	"
	<u>100.00</u>	

KALGURLI GOLD MINES, LIMITED.

SULPHIDE ORE TREATMENT.

The plant is being enlarged on the same lines as at present to a monthly capacity of about 3,200 tons. The process employed, with description of completed plant, being as follows:—

The ore as received at the brace, is dumped upon a grizzly set with two-inch spaces, the coarse portion being passed through a No. C Comet breaker, which produces about a 2½-inch sizing, the breaker product, together with the fines from the grizzly, gravitating into a 200-ton bin. From this bin, by means of an aerial tram on the Bleichart system, it is sent to the reducing department, each truck being weighed upon an automatic weighing machine. The ore when damp is first dumped into a damp ore bin holding 200 tons, from which it is passed through a rotary drier of the White-Howell type, and then elevated, by a vertical chain and bucket Krupp elevator, to a shaking conveyor. This conveyor distributes the ore in a bin over six No. 5 Krupp ball mills. The ore when dry is delivered directly to this latter bin.

By means of automatic eccentric push feeders, the crushed rock is delivered from this bin to the ball mills, in which No. 35 woven steel wire screens are used, the capacity of each mill, with these screens, being about 25 tons per day.

A sizing analysis of the ball mill product gives:—

40 per cent. passing a 120 screen.	
30 " " 80 "	
30 " " 35 "	

approximately.

Dust from the ball mills is drawn away by a 45-inch Sturtevant fan to three precipitating cyclone settling cones, and deposited in a large settling chamber; it is subsequently roasted with the remainder of the ore. The ball mills' product is sampled at regular intervals, and, by means of shoots leading to a spiral conveyor, is distributed over a 150-ton furnace bin. From this bin fluted roll feeders supply nine Edwards's furnaces, each of capacity of about 15 tons per day, and such as are in use on the Great Boulder G.M. reduction plant. Wood fuel up to the present has been used, but gas producers will be introduced later on for gaseous fuel firing.

The dust drawn away by the chimney draught from the furnaces is recovered in large dust-settling chambers. The roasted ore is discharged from the furnaces upon a push conveyor, by which and a second conveyor it is brought to two Krupp chain and bucket elevators. These deliver it to a closed-in mixer, having a propeller-shaped agitator, where, with the addition of water, a thin pulp is formed. This pulp is distributed over seven sets of conical spitzkasten, each consisting of a series of three, and is by these divided into a thin slimes overflow and a sands and concentrates underflow. The slimes are distributed over four pyramidal spitzkasten, each 18 feet long and seven feet deep, for the purpose of thickening up the pulp, the overflow, clear water, being returned to the plant water storage vat; the underflow, a very thick pulp, containing about 35 per cent. of water only, gravitates to the agitation vats. These, nine in number, are each 12 feet in diameter and six feet deep, are fitted with agitator paddles, and hold about 11 tons of slime each. In them, after the necessary addition of cyanide solution, agitation of the pulp is continued to between 20 to 24 hours. They are then discharged into two montejus, worked alternately, from which two Dehne four-ton filter presses are filled. The gold-bearing solutions from the presses are exhausted by passing through two slimes zinc extractor boxes, previously clarified when necessary, by means of an Excelsior press.

The concentrates and sands product from the conical spitzkasten, are caused to flow over two amalgamated copper tables, each 10 feet long and 5 feet wide, and from these over four Halley percussion tables, in the beds of which, the concentrates, representing according to the sweetness of the roast, about two and a-half per cent of the ore are retained. These concentrates, as collected, are shovelled from the tables and fed into two Wheeler grinding and amalgamating pans, five feet in diameter each, plant water being used. The pans are not fitted with amalgamated copper plates, but the gold, freed by the grinding, is amalgamated by mercury in the bottoms. About 25 per cent. of the gold yield is recovered by the amalgamated copper tables and the Wheeler pans, the remainder resulting from cyanide treatment of the sands and slimes.

The pulp from the Wheeler pans, which is continuously overflowing, is thickened up in a large pyramidal spitzkasten 10 feet long and 6 feet wide, the clear water overflow being returned to plant water storage tank. The underflow, the thickened pulp (of consistency about one to one) is led into two agitation vats, each 10 feet in diameter and 6 feet deep, containing 10 tons of slimes, and fitted with agitator paddles. A monteju receives the treated pulp and delivers it to a four-ton Dehne press, the expressed liquor being passed to a special zinc extractor box.

The sands, overflowing from the Halley tables, gravitate by a steel launder to the leaching vats, which, 20 in diameter, are each 22 feet in diameter and seven feet deep and have a capacity of 100 tons of sands each.

They are filled each by a series of branched launders, which distribute the sands all over the vat, the water overflow being returned to the water storage tank. In the vats ordinary cyanide leaching treatment is continued with each charge for 30 days, the first stronger solutions being for some time drawn off below the filter frames, and continuously delivered to the surface of the sands, by means of an air lift, which effects also aeration of the solutions. Two sands zinc extractor boxes exhaust the gold-bearing liquor in the ordinary way. The plant when enlarged will be treating about 2,000 tons of sands per month, and about 1,200 tons of slimes. The bullion produced is about 850 gold fineness.

LAKE VIEW CONSOLS, LIMITED.

SULPHIDE ORE TREATMENT.

The sulphide ore is treated by two methods, that of Dr. Diehl in which the ore is treated without roasting and that in which the ore is treated after roasting; two separate plants—the Sulphide plant and the Diehl plant—being installed for the two processes.

The Sulphide Plant.—In this section of the Reduction Works the ore is dry crushed, roasted, and the pulp separated into slimes and sands, which are separately treated by cyanide.

The ore as received on the brace is first broken by two No. 5 Gates rock breakers, set to produce a $1\frac{1}{2}$ inch product, a 400-ton bin receiving the product.

An aerial tramway on the Otis system delivers the ore from this bin to a 250-ton ball mill bin. Containing very little moisture, it does not require drying. The bin supplies four Krupp ball mills, two of No. 5 size, driven at 25 revolutions per minute, and requiring each 15-h.p., the other two of No. 8 size, driven at 21 revolutions and requiring each 25-h.p. to drive them. Forty mesh woven wire screens are used, and with these screens the capacity of each of the No. 5 mills is 25 tons per day, that of each of the No. 8 mills being 40 tons per day.

A sizing analysis of the ball mill product is approximately as follows, the mill being full:—

Passing through a 150 mesh screen	63 per cent.
Remaining on a 150 " "	6 "
" 100 " "	27 "
" 60 " "	4 "
	100

Dust from the ball mills, amounting to approximately $2\frac{1}{2}$ per cent. of the weight of the ore, is removed by an exhaust fan and deposited in a large settling chamber, from which it is removed as collected to the roasting chamber.

The ball mills are discharged by screw conveyors, those from the No. 5 mills delivering into a push conveyor which discharges into the boot of a 12 inch belt and bucket elevator, those from the No. 8 mills discharging directly into the same elevator. The elevator raises the ball mill product to a screw conveyor, which distributes it into shoots leading to four furnace bins. Sampling of the ore is done at regular intervals at the delivery to the screw conveyor.

These bins, by means of fluted roll feeds, supply four Brown's straight line furnaces, each 180 feet long and 10 feet wide, and having a capacity of 30 tons per day.

The ore is rabbled and pushed forward on the fixed hearth of each furnace, by two travelling rabbles, which return over the top of the furnace; each rabble completes its circuit in six minutes. Wood fuel is used, there being four grates to each furnace.

The ore loses about 10 per cent. of its weight in roasting, the residual sulphur as sulphides amounting to about 0.2 per cent.

The furnaces discharge between double discharge doors into pits, and push conveyors deliver the ore from the pits into a main push conveyor, which brings the roasted ore to the boot of a Krupp chain and bucket elevator.

This elevator discharges the pulp into one of two collecting agitator vats, each holding about 50 tons net. Each vat is fitted with an ordinary suspended agitator, which can be raised or lowered. A stream of cyanide solution of 0.15 per cent. strength is delivered simultaneously with the roasted ore into the vat.

The vat gradually fills with sands, about 30 per cent. of the ore treated being thus eliminated, the remainder overflowing as slime pulp. As the vat fills, the agitator paddle is raised at intervals to keep it clear of the depositing sands.

When the agitator vat is full, the operation of filling taking between 16 and 20 hours, the sands are discharged into a pit. From this they are raised in trucks by a crane and sent to the leaching vats, of which there are 10, each vat holding 60 tons of sands; the sands thus receive double treatment.

The gold-bearing solutions are precipitated in three sands extractor boxes.

The slimes overflowing from the collecting agitator vats gravitate to three slimes agitator vats, each 20 feet in diameter and six feet deep, and fitted with agitator paddles.

The pulp containing 30 per cent. of slime is agitated in these until solution of the gold is completed, when the pulp is discharged in each through a bottom discharge orifice by lifting a plug. The contents gravitate to two montejus used alternately, which fill, two at a time, four Dehne four-ton presses.

The issuing gold-bearing solution from these presses gravitates to a settling tank, from which it is syphoned to a second vat, fitted with a filter bottom. The liquor passing through this filter is run through two slimes extractor boxes and there exhausted.

The zinc sludge from the sands and from the slimes extractor boxes is cleaned up in the ordinary way, sulphuric acid treatment being employed, the resulting slimes being smelted in a tilting furnace.

SOUTH KALGURLI GOLD MINES, LIMITED.

The plant is divided into two sections: one for oxidised ore treatment, the other for sulphide ore treatment.

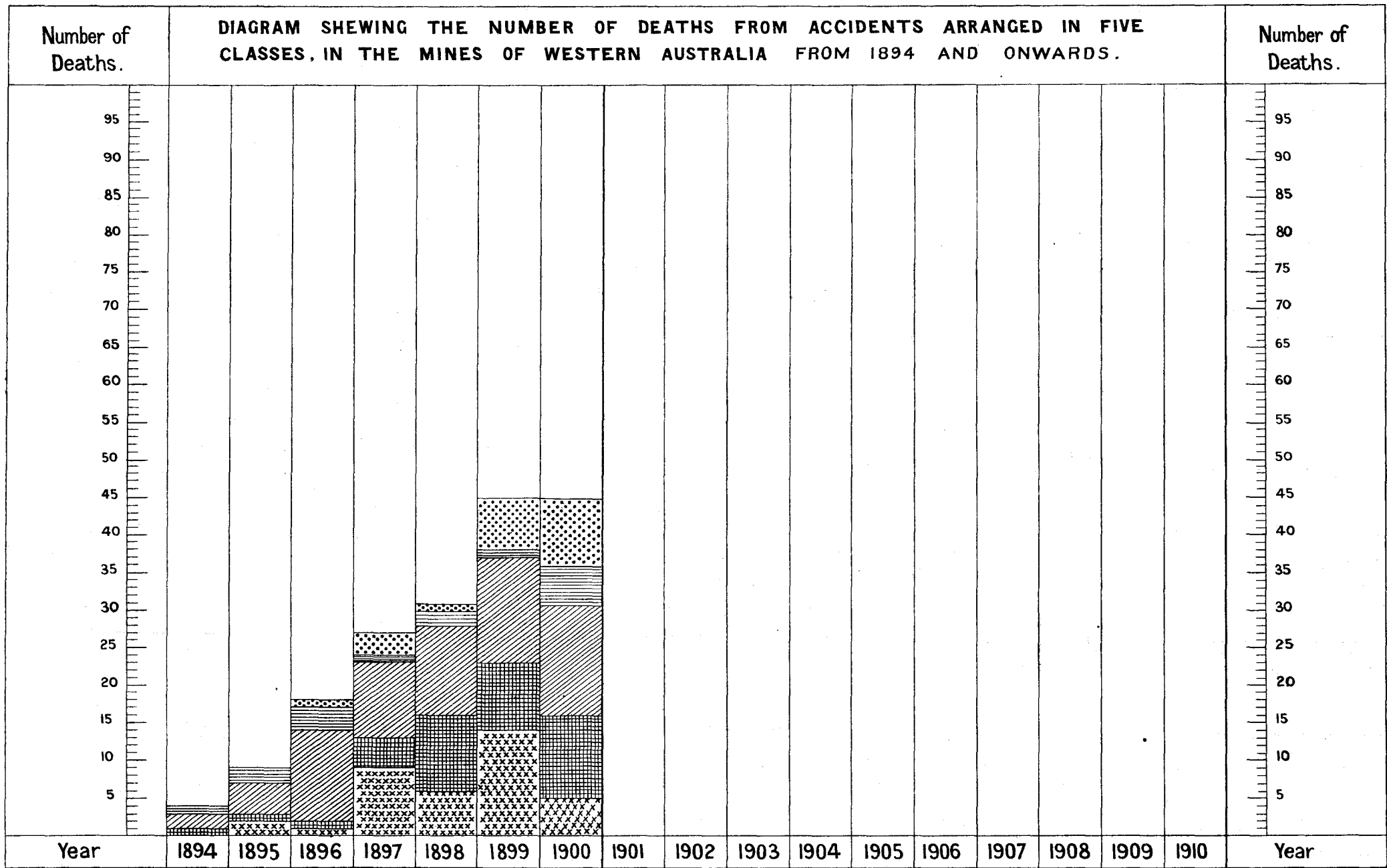
Oxidised Ore Treatment.—The ore received at the brace is broken to about $2\frac{1}{2}$ -inch pieces by a No. 2 Gates crusher, and then passed through a pair of Cornish rolls, three feet six inches in diameter, which further reduce it to about one-inch pieces. It then gravitates to a 70-ton bin, from which, by means of two Challenge feeders, it is fed into two Griffin mills, run wet, plant water being supplied with it. The issuing pulp, after passing over two amalgamated copper tables, eight feet by four feet, is distributed between six Forwood, Down, & Co.'s grinding and amalgamating pans, where the sands are finely ground, and the liberated gold retained by mercury. About 66 per cent. of the contained gold in the oxide ore is obtained by amalgamation; the pulp, continuously overflowing from these, is distributed over a series of canvas tables, where a fine concentrate product is eliminated. The overflow from the canvas tables is pumped up to and delivered to eight large spitzkasten, in series, which yield a sands and concentrates underflow from the first two spitzkasten, and a slimes underflow from the last six spitzkasten, the excess of water being eliminated as the overflow from the eighth spitzkasten.

The sands and concentrates are passed over a Wilfley concentrating table, the resulting concentrates being, with those previously saved by the canvas tables, sent to the Fremantle Smelting Works, whilst the sands are elevated by a tailings wheel, and sent back to the pans for regrinding. The slimes gravitate to one of five agitation vats, in which the pulp is agitated, after the necessary addition of cyanide solution, for about 18 hours. The pulp is then, by means of two montejus, forced into four Dehne filter presses, each holding the pulp from about three tons of oxidised ore. The slime residues from these are dumped, and the gold contents of the issuing liquor, after settling in an intermediate solution tank, are precipitated on zinc shavings in ordinary extraction boxes.

Sulphide Ore Treatment.—The capacity of the sulphide section of the plant is being increased, the process employed being as follows:—

The ore received at the brace is crushed to a $2\frac{1}{2}$ inch gauge by two Gates No. 2 crushers, and then reduced to a one-inch product by a pair of Cornish rolls three feet six inches in diameter, gravitating into two 70-ton bins. Screw conveyors from these bins distribute the ore between five Griffin mills run dry. It is then elevated by five belt and bucket elevators to hoppers over two Brown straight line furnaces, with hearths 147 feet long, 10 feet wide, which together are capable of roasting between 75 and

80 tons per day, wood fuel being used. The ore is fed into the furnaces by means of fluted roller feeds, and is stirred and carried forward in the furnaces by travelling rabblers. The roasted ore is discharged on to a push conveyor, which delivers it over a cooling flow the same length as that of the furnace on which, by means of travelling rabblers, it is turned over and carried on to an underground bin. A belt and bucket elevator raises the roasted ore from this bin to the department where, by means of the Riecken process, the gold is recovered from it. Here the roasted ore is delivered to a covered-in cylindrical mixer, together with enough cyanide liquor to form a pulp of one part of ore to one of solution. The pulp is agitated in the mixer by paddle agitators until the fine gold is dissolved, the coarse gold being, at the same time, rendered easily amalgamable. From the mixer the pulp is drawn off as required into four electro-deposition tanks 11 feet deep, each with two sloping sides terminating in the rounded bottom of the tank, the other two sides being vertical and supporting a horizontal shaft carrying agitator paddles. The tanks hold, three of them, pulp equivalent to 20 tons of raw ore, the fourth, 17 tons. A current of electricity, supplied by one of two plating dynamos, of between 180 and 200 amperes at between two and three volts, is kept constantly passing through the pulp whilst it is being agitated, for a period of 16 to 18 hours for each charge, the current entering by a series of iron anodes suspended in the tank between the agitator paddles, and leaving by amalgamated copper-plate cathodes, which, in sections, cover the sloping sides and bottoms of the tanks. The copper plates are kept bright by mercury constantly distributed over them in thin streams by means of equi-distantly perforated horizontal pipes parallel to the sloping sides of the tanks, and reciprocated in their own directions of length a few inches; the mercury, impinging on the plates just above the pulp level, is continuously drawn off at the bottom, and, by means of an air jet, is elevated to a small overhead reservoir for redistribution. In the bottom of this reservoir the bulk of the gold is recovered as a thin amalgam, the remainder of the gold being taken from the copper plates, which, for the purpose of cleaning up, are lifted from the tank by tackle, and removed on a trolley to the cleaning up room. The gold thus easily recovered is of high quality, being worth up to £3 19s. 6d. an ounce. After the pulp is exhausted, it is drawn off from the tank by means of a valve at the bottom of one of the vertical ends of the vat and led to one of two storage vats, 12 feet in diameter, 6 feet deep, where it is kept agitated to prevent settling. It is drawn off, as required, from the storage vat into one of the two montejus, as are used with the oxidised ore, and filterpressed in the Dehne presses, to express the superfluous liquor, so that the cakes can be dumped. An extraction of 93 per cent. is being obtained by this process.



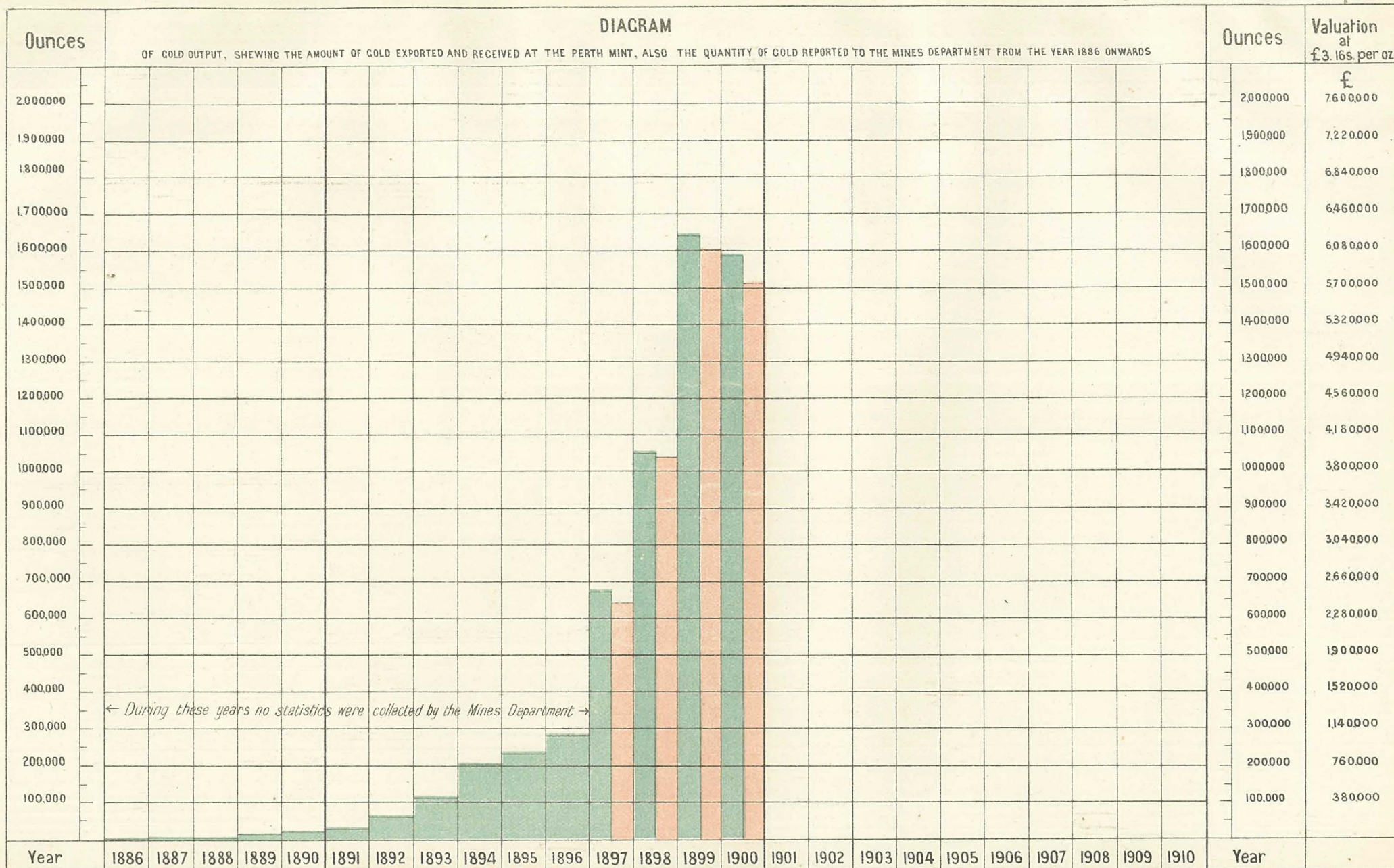
 EXPLOSIVES.

 FALLS OF GROUND.

 IN SHAFTS.

 MISCELLANEOUS ACCIDENTS UNDERGROUND.

 ACCIDENTS ON SURFACE.

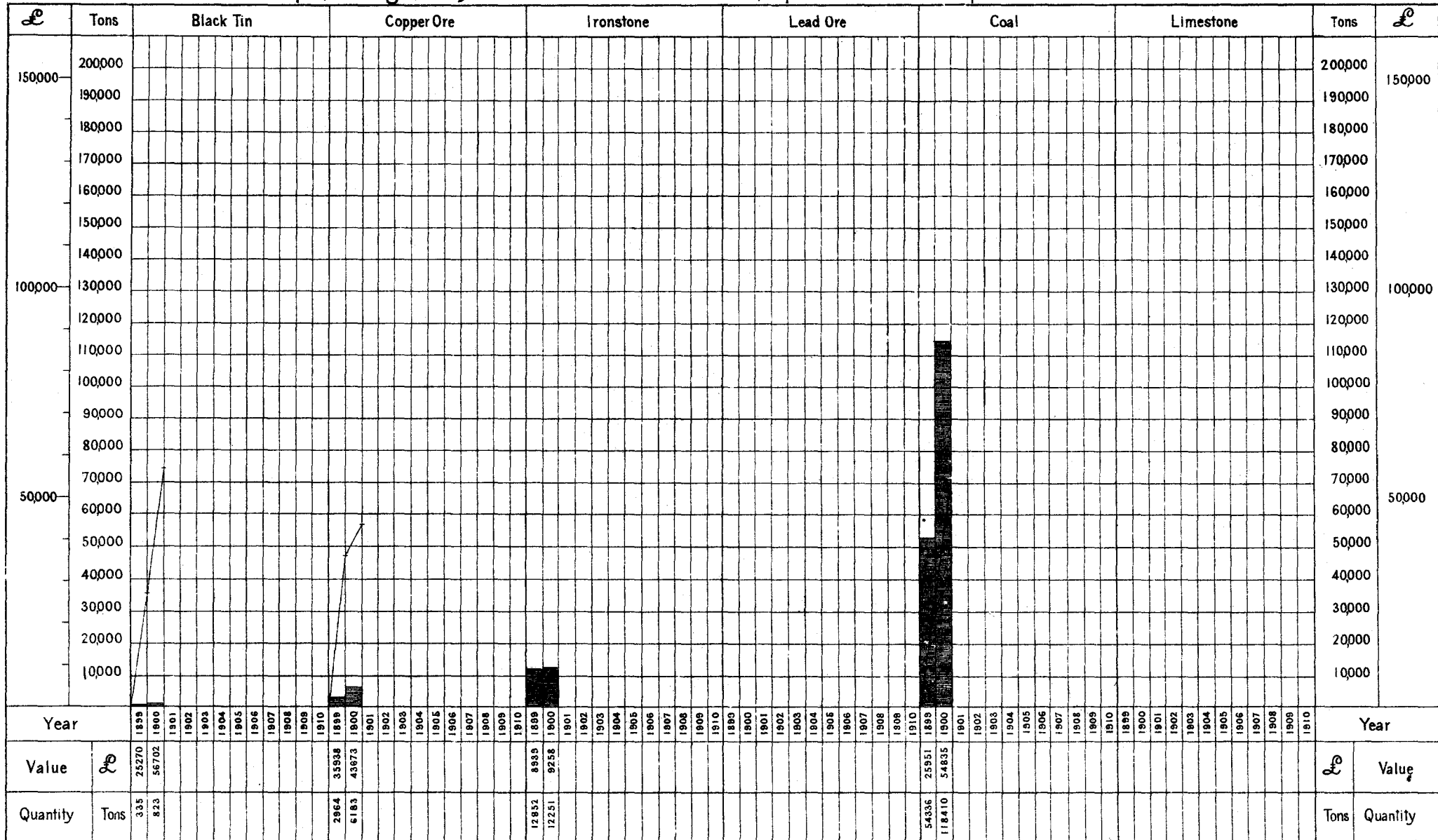


Reported to the Mines Department

Exported and received at Perth Mint

D I A G R A M

of the Mineral Output, showing Quantity & Value of Minerals other than Gold, reported to the Mines Department from the Year -1899- onwards



NOTE. Hatched blocks denote Quantities produced, and zig-zag lines, values thereof.

Previous to 1899 the Quantity and Value of the various Minerals exported amounted to:—

Black Tin	1738	76227
Copper Ore	10641	166855
Lead Ore	33501	364418
Pig	807	12228
Total Value		580008

MINING STATISTICS

TO

31ST DECEMBER, 1900.

Western



Australia.

MINING STATISTICS.

LETTER OF TRANSMITTAL.

Department of Mines,
 Statist's Office,
 Perth, 31st May, 1901.

The Under Secretary for Mines.

SIR,

I have the honour to transmit herewith, for the information of the Honourable the Minister for Mines, the Mining Statistics of 1900, which, with slight modifications and improvements, have been prepared on the same lines as those of last year.

A glance at the Table of Contents will show that certain additional general tables have been introduced, one, for example, giving the *monthly* production of gold during the year, and, for purposes of comparison, another the *half-yearly* amounts won since the initiation of departmental statistical work to 31st December, 1900. Again, the tables connected with Minerals other than Gold show the quantity and value, reported to the Department, of ore and minerals raised, *each mineral being shown separately*, and, further, when known, the amount of metal or commercial product thereafter returned.

GOLD.

The total amount of gold extracted by various processes during 1900 is slightly *under* that of last year; and, in like manner the average per ton treated, viz., 1·14ozs., is somewhat *less*, having dropped ·17oz., or 3dwt. 10grs. nearly, as shown hereunder:—

Year.	Tons.	Ounces.	Average per Ton Treated.
1899	1,173,437	1,539,212	1·31ozs.
1900	1,289,347	1,472,990	1·14ozs.

To the gold thus extracted must be added 27,690 ounces of alluvial, and 13,237 ounces by dollying and from specimens, making a total yield of 1,513,917 ounces.

The average fineness of the gold for the year, calculated from data supplied by a large proportion of the mines, is ·8805, of a sterling value of £3 14s. 9¼d. per ounce, as against £3 17s. 1½d. in 1899, a falling off of no less than 2s. 3¼d. an ounce. This, in a large measure, may be attributed to a greater and more general use of cyanidation,

combined with a decreased yield of the East Coolgardie Goldfield, and a greatly increased output (double that of 1899) of Mt. Margaret Goldfield, the gold from the latter being of poorer quality than that from the former locality.

MINERALS OTHER THAN GOLD.

The amounts of Black Tin prepared for smelting, and of Copper Ore and Coal raised, are most satisfactory, the output of the last two minerals mentioned being more than double that of 1899, whilst, for the same period, the quantity of Black Tin has increased by quite 250 per cent.

MACHINERY.

No better instance can be given of the stability of Western Australian mining and the confidence of the public therein than the vast increase in the number of Reduction Plants and other Gold-saving appliances which were erected during the year. Whereas the amount of capital represented by machinery in existence on 31st December, 1899, was £1,962,222, it had, at 31st December, 1900, reached a total of £3,023,089 sterling. Such figures speak for themselves.

ACCIDENTS.

Forty-five fatal accidents occurred during the year, the same number as in 1899, but a larger body of men was employed, notably on the Goldfields of East Murchison, Mount Margaret, and in the busy centres of East Coolgardie, where the mines are now of considerable depth, the actual figures being a total of 17,735 men employed, as against 17,131 in 1899. From a close review of the causes which led to these deaths it was found, in most cases, that the accident was attributable to the fault of the unfortunate victim concerned.

GENERAL.

The increased permanent assistance, which was asked for in my last report and sanctioned by the Honourable the Minister for Mines, has been of much benefit to the Statistical Branch, enabling it to cope with its increasing work, and allowing me to complete this report at an earlier date than heretofore.

FINIS.

To those who have striven hard to help me to place simply and concisely before the public that which will be found within, my best thanks are due. That it has been no slight labour to supervise all the details herein tabulated must be acknowledged; but this labour has been greatly lightened by the skill and resource of my Chief Assistant, and by the careful adherence to the necessary routine of the other members of the staff.

I have the honour to be,

Sir,

Your obedient Servant,

JAMES WALLACE,

Statist.

MINING STATISTICS

To 31st DECEMBER, 1900

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EXPLANATIONS OF SIGNS AND ABBREVIATIONS.

* Dollied.	<i>sl.</i> Slimes.
† Specimens.	<i>con.</i> Concentrates.
‡ Ounces from unknown tons.	A.C. Alluvial Claim.
¶ Extras (magnettings, skimmings, etc.).	Q.C. Quartz Claim.
<i>b.</i> Ball mill.	R.C. Reward Claim.
<i>g.</i> Griffin mill.	M.A. Machinery Area.
<i>h.</i> Huntington mill.	T.A. Tailings Area.
<i>t.</i> Tremain mill.	W.R. Water Right.
<i>pr.</i> Prospecting mill.	Abd. Abandoned.
<i>cr.</i> Crushing roller.	Canc. Cancelled.
<i>c.</i> Dry Crusher.	Ftd. Forfeited.
<i>p.</i> Puddler.	Ref. Refused.
<i>a.</i> Arrastras.	Surr. Surrendered.
<i>cy.</i> Cyanide from tailings.	V.N.P. Void for non-payment of rent.
<i>pl.</i> Plates.	Wdn. Withdrawn.

SUMMARY OF MINERAL PRODUCTS.

GOLD and OTHER MINERALS produced in the Colony during 1900, 1899, and previous years, and the Estimated Value thereof.

Description of Mineral.	1900.		1899.		Previous to 1899.		Total to Date.	
	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.
		£		£		£		£
GOLD (Export and ¹ § Mint) ounces troy	1,580,950	² § 6,007,611	1,643,877	² § 6,246,732	2,692,804	² § 10,232,654	5,917,631	² § 22,486,997
BLACK TIN (Raised) statute tons	823	56,702	335	25,270	1,666	70,527	2,824	152,499
COPPER ORE (Raised) do.	6,183	43,673	2,964	35,938	7,018	55,270	16,165	134,881
IRONSTONE (Raised) do.	12,251	9,258	12,852	8,939	100	300	25,203	18,497
LEAD { Ore (Export) do.	27	242	16	96	33,601	364,418	33,644	364,756
{ Pig (Export) do.	...	...	77	1,077	607	12,229	684	13,306
SILVER (Export) ounces troy	28,749	3,594	...	...	...	...	28,749	3,594
ASBESTOS (Export) statute tons	...	...	⁴ §	1	...	...	⁴ §	1
COAL (Raised) do.	118,410	54,835	54,336	25,951	3,508	1,761	176,254	82,547
GEMS (Raised) carats	³ §	24	...	...	...	...	³ §	24
LIMESTONE (Raised) statute tons	15,927	3,594	17,593	2,838	...	...	33,520	6,432
MICA (Export) do.	⁴ §	3	⁴ §	50	⁴ §	241	⁴ §	294
Total Values ... ..	...	£6,179,536	...	£6,346,892	...	£10,737,400	...	£23,263,828

¹§ Since May, 1899. ²§ Valuation at £3 16s. per oz. ³§ 25 small diamonds, weight in carats unknown. ⁴§ Tonnage not stated.

AUSTRALASIAN MINERAL PRODUCTION.

COMPARATIVE TABLE showing the Output of all Mineral Products from the several Colonies of Australia and New Zealand during the Year 1900.

Mineral.	Western Australia.		NEW SOUTH WALES.		VICTORIA.		QUEENSLAND.		TASMANIA.		SOUTH AUSTRALIA.		NEW ZEALAND.	
	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.
Gold ounces troy	1,580,950	£ 6,007,611	345,650	£ 1,194,521	807,407	£ 3,190,940	963,189	£ 2,871,709	81,175	£ 316,220	^{12†} 24,155	£ 82,422	373,616	£ 1,439,602
Copper statute tons	...	...	5,622	...	...	...	...	...	^{10†} 9,449	907,288	4,886	371,920	...	...
Copper Ore do.	6,183	43,673	1,470	428,836	...	...	384	23,040	4,221	63,589	2,805	36,621	2	70
Lead do.	...	...	^{3†} 4,811	139,146	...	...	^{8†} 205	3,359	...	...	382	4,382	...	...
Lead Ore do.	27	242	^{4†} 1,889	...	...	...	...	...	...	...	...	...	...	...
Manganese do.	...	...	18	46	...	...	75	205	...	...	...	...	...	...
Silver ounces troy	28,749	3,594	774,203	2,604,117	...	...	112,990	12,712	...	...	...	...	311,136	35,390
Silver Ore statute tons	...	...	^{5†} 438,838	...	...	...	...	...	^{11†} 26,564	279,372	^{13†}	18,046	...	...
Tin do.	...	...	901	120,932	...	...	...	...	...	...	...	...	...	...
Black Tin do.	823	56,702	15	...	71	5,017	1,123	74,001	2,029	269,833	17	774	...	...
Wolfram do.	...	...	...	...	...	...	189	6,605	54	2,058	9	440	...	...
Bismuth do.	...	...	11	5,640	...	...	8	1,865	...	...	...	...	...	...
Asbestos do.	...	...	...	...	...	...	...	...	128	113	...	...	...	...
Coal do.	118,410	54,835	5,507,497	1,668,911	211,596	101,599	497,132	173,705	50,633	44,227	...	...	1,085,303	542,651
Iron do.	...	...	7,737	95,000	...	...	...	...	...	...	...	...	...	...
Iron Oxide do.	...	...	313	686	...	...	...	...	...	...	...	...	...	...
Ironstone do.	12,251	9,258	13,146	10,945	...	...	...	...	5,375	5,995	...	...	...	...
Lime do.	...	...	9,528	9,198	...	...	...	...	...	...	...	...	...	...
Limestone do.	15,927	3,594	17,000	3,962	...	...	2,864	3,162	...	...	...	...	...	...
Mica do.	^{1†}	3	...	...	...	...	...	...	...	...	^{14†}	1	...	...
Molybdenite do.	...	...	...	...	...	...	11	561	...	...	...	...	...	...
Gems carats	^{2†}	24	...	^{6†} 85,663	...	...	...	^{9†} 7,400	...	...	...	...	...	...
Unenumerated ... ..	...	...	...	204,016	...	^{7†} 44,000	...	...	...	...	...	441	...	...
Total Value ... ..	...	6,179,536	...	6,570,819	...	3,341,556	...	3,178,324	...	1,888,695	...	515,047	...	2,017,713

^{1†} Tonnage not stated. ^{2†} 25 small diamonds, weight in carats unknown. ^{3†} 3,298 tons pig-lead, and 1,513 tons in Matte. ^{4†} 1,811 tons carbonate and 78 tons chloride. ^{5†} Includes 17,928 tons silver-lead.
^{6†} Diamonds 9,828½ cts., valued at £5,663; opal valued £80,000. ^{7†} Includes some limestone. ^{8†} Pig-lead. ^{9†} Opals valued at £6,500, other gems £900. ^{10†} Blister copper. ^{11†} Silver-lead. ^{12†} Includes 68ozs. estimated to be contained in 20·35 tons gold ore and concentrates, valued at £234. ^{13†} 25·65 tons silver ore valued £520, and silver-lead valued at £17,526. ^{14†} 3qr. weight.

TABLE I.

MONTHLY GOLD PRODUCTION.

Return of Gold showing the Quantity reported Monthly to the Mines Department from the several Goldfields of the Colony during the year 1900.

Goldfield.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
	ozs.	ozs.	ozs.	ozs.	ozs.	ozs.	ozs.	ozs.	ozs.	ozs.	ozs.	ozs.	ozs.
Kimberley	60·00	150·30	30·00	30·00	46·40	20·00	25·00	81·65	...	102·80	15·00	10·00	571·15
Pilbarra	627·00	844·05	2,628·35	1,629·13	856·50	867·85	2,640·85	1,232·10	1,048·58	1,681·87	1,156·48	1,404·09	16,616·85
West Pilbarra	130·03	7·75	76·96	22·25	21·46	38·16	331·00	16·52	45·77	79·30	5·53	178·92	953·65
Ashburton ... ..	...	160·00	312·00	227·00	122·00	128·00	146·00	148·00	128·00	118·00	125·00	90·00	1,704·00
Gascoyne ... ..	...	...	...	...	...	...	...	...	...	...	74·00	...	74·00
Peak Hill	2,666·00	245·15	2,085·25	4,564·04	4,164·41	543·51	3,981·17	2,293·50	1,522·35	1,644·30	1,671·90	1,190·05	26,571·63
East Murchison	3,891·52	3,431·10	5,619·91	2,896·80	6,097·74	4,564·36	6,584·89	5,810·49	6,847·60	5,830·93	6,834·32	6,288·37	64,698·03
Murchison	7,084·41	7,218·71	9,377·69	5,889·89	9,679·99	7,296·61	7,825·10	9,594·56	7,994·33	10,800·03	11,271·16	11,689·83	105,722·31
Yalgoo	897·32	782·25	898·30	231·05	912·50	948·80	340·90	1,293·20	1,384·12	511·90	1,041·16	860·36	10,101·86
Mount Margaret	7,996·16	8,942·00	10,335·08	9,344·02	14,284·35	12,138·37	12,990·23	12,786·91	12,804·37	13,274·71	10,384·80	20,407·75	145,688·75
North Coolgardie	7,530·79	9,039·32	8,756·29	7,090·29	8,238·37	9,360·64	9,028·25	9,918·39	8,223·46	10,892·02	8,534·12	10,162·03	106,773·97
Broad Arrow	2,640·91	6,041·39	5,055·62	4,497·64	3,061·41	2,251·42	2,926·88	4,239·58	5,310·74	5,575·29	4,916·45	5,915·99	52,433·32
North-East Coolgardie	5,628·13	5,961·35	8,469·37	7,136·89	5,337·08	5,968·08	6,018·64	6,065·07	4,879·33	5,711·70	4,314·99	5,255·23	70,745·86
East Coolgardie	52,353·72	64,239·44	59,062·36	49,438·71	56,810·72	68,403·39	59,828·43	60,430·41	64,205·58	72,909·75	68,857·37	61,431·10	737,970·98
Coolgardie	7,737·85	8,892·19	9,382·37	8,190·55	8,471·16	11,502·18	8,102·18	8,282·98	8,494·24	9,574·50	7,795·11	5,987·70	102,413·01
Yilgarn	1,785·88	2,004·70	1,543·34	1,511·60	1,698·54	2,393·85	2,434·91	3,472·10	3,673·13	2,922·76	2,868·55	2,846·06	29,155·42
Dundas	2,646·57	2,925·96	3,872·32	3,440·61	3,236·47	3,381·68	3,393·48	3,826·50	3,349·82	4,314·67	3,215·35	3,480·20	41,083·63
Phillips River ... ..	...	...	...	...	...	...	5·00	...	...	...	...	34·00	39·00
Donnybrook ... ..	...	176·10	...	...	...	...	...	...	94·50	135·60	...	46·90	453·10
Goldfields generally ... ..	...	...	95·80	...	...	...	50·76	...	...	...	...	...	146·56
TOTAL	103,676·29	121,061·76	127,601·01	106,140·47	123,039·10	129,806·90	126,653·67	129,491·96	130,005·92	146,080·13	133,081·29	137,278·58	1,513,917·08

TABLE II.

HALF-YEARLY GOLD PRODUCTION.

Comparative Table showing by half-years the Quantity of Gold reported to the Mines Department from the several Goldfields of the Colony to 31st December, 1900.

Goldfield.	Previous to 1897.	1897.		1898.		1899.		1900.		Total to date.
		January—June.	July—December.	January—June.	July—December.	January—June.	July—December.	January—June.	July—December.	
	ozs.	ozs.	ozs.	ozs.	ozs.	ozs.	ozs.	ozs.	ozs.	ozs.
Kimberley	12,734·00	229·30	...	222·42	217·75	752·15	165·00	336·70	234·45	14,891·77
Pilbarra	28,470·56	3,547·65	3,277·61	5,499·86	8,913·93	8,143·72	11,148·26	7,452·88	9,163·97	85,618·44
West Pilbarra	337·91	309·84	550·22	320·70	6·00	612·08	1,322·72	296·61	657·04	4,413·12
Ashburton ... ..	...	...	302·95	250·63	250·00	672·10	987·00	949·00	755·00	4,166·68
Gascoyne ... ..	...	6·75	6·80	...	13·50	262·65	71·12	...	74·00	434·82
Peak Hill	11,070·16	...	10,883·23	6,464·00	8,505·32	11,638·45	20,315·20	14,268·36	12,303·27	95,447·99
East Murchison	2,576·00	6,383·44	14,611·63	15,845·00	21,235·32	19,833·92	25,204·98	26,501·43	38,196·60	170,388·32
Murchison	140,432·28	20,597·53	41,718·66	39,417·68	39,838·71	36,825·30	43,723·41	46,547·30	59,175·01	468,275·88
Yalgoo	7,227·00	1,193·04	2,262·75	1,849·52	1,449·43	4,387·01	7,748·93	4,670·22	5,431·64	36,219·54
Mt. Margaret	4,992·10	6,897·85	15,694·24	20,649·79	29,067·98	34,889·72	45,034·00	63,039·98	82,648·77	302,914·43
North Coolgardie	26,962·85	32,419·14	28,943·68	30,859·30	42,019·58	51,473·12	65,495·02	50,015·70	56,758·27	384,946·66
Broad Arrow	9,129·25	6,377·86	8,086·68	11,064·62	16,661·81	20,509·75	27,684·63	23,548·39	28,884·93	151,947·92
North-East Coolgardie	8,975·95	11,984·95	28,468·15	77,102·88	93,338·85	64,344·44	48,481·01	38,500·90	32,244·96	403,442·09
East Coolgardie	143,828·70	120,036·23	176,727·88	165,322·71	257,069·15	337,539·19	517,865·68	350,308·34	387,662·64	2,456,360·52
Coolgardie	74,181·76	24,640·06	40,151·42	48,468·27	51,204·57	54,171·90	77,084·99	54,176·30	48,236·71	472,315·98
Yilgarn	94,194·60	8,989·22	8,083·60	6,045·41	5,723·99	6,431·72	9,940·06	10,937·91	18,217·51	168,564·02
Dundas	3,979·90	5,837·21	13,446·31	15,354·71	21,443·77	23,595·84	20,617·46	19,503·61	21,580·02	145,858·83
Phillips River ... ..	...	...	...	...	...	...	...	...	39·00	39·00
Donnybrook ... ..	...	...	...	...	14·65	132·00	379·49	176·10	277·00	979·24
Goldfields generally ... ..	...	...	...	...	...	1,261·70	17·20	95·80	50·76	1,425·46
Total { Half-year ... ..	...	249,450·07	393,215·81	444,737·50	596,974·31	677,476·76	923,286·16	711,325·53	802,591·55	...
{ Year	569,093·02	642,665·88		1,041,711·81		1,600,762·92		1,513,917·08		5,368,150·71

TABLE III.

GENERAL RETURN showing, for each Goldfield and Goldfield District, the Area in square miles, Leases in force, particulars of Plant, average Number of Men employed, the quantities of Alluvial as reported, Dollied and Specimen Gold and Ore treated, with Gold Yield to 31st December, 1900.

GEOGRAPHICAL DIVISION.	GOLDFIELD.	DISTRICT.	WARDEN'S HEAD QUARTERS.	DATE OF PROCLAMATION OF GOLDFIELD.				AREA IN SQUARE MILES.		LEASES IN FORCE.		PARTICULARS OF PLANT.				AVERAGE NUMBER OF MEN EMPLOYED.		
				Proclamation gazetted.	To take effect from	Latest Amendment of Boundaries gazetted.	To take effect from	District.	Goldfield.	No.	Area in Acres.	Milling.		Cyaniding.		Above Ground.	Under Ground.	
												Number Stamps.	Other Mills.	Leaching Vats.	Filter Presses.			
NORTHERN GOLDFIELDS	Kimberley ... ..	...	Hall's Creek ...	20-5-86	20-5-86	...	...	...	46,886	4	38	70	2	...	...	3	4
	Pilbarra	Marble Bar ...	Marble Bar ...	1-10-88	1-10-88	20-9-95	1-11-95	25,205	...	43	379	80	2	4	...	32	35	
	Do.	Nullagine					9,675	34,880	16	150	35	28	16
	West Pilbarra ... ..	...	Roebourne ...	20-9-95	1-11-95	...	...	...	9,480	13	161	30	1	...	...	32	20
	Ashburton ... ..	...	Mt. Mortimer ...	11-12-90	11-12-90	25-6-97	15-4-97	...	6,992	...	...	...	...	...	...	...	...
	Gascoyne ... ..	...	Bangemall ...	25-6-97	15-4-97	...	...	...	5,061	5	72	...	1	...	...	...	...
Peak Hill ... ..	...	Peak Hill ...	19-3-97	1-4-97	...	...	...	12,194	120	1,744	40	...	...	...	130	224	
CENTRAL GOLDFIELDS	East Murchison ... ..	...	Lawlers ...	28-6-95	28-6-95	24-12-97	1-1-98	...	28,242	147	2,064	155	5	12	...	460	413
	Murchison	Cue	Cue	24-9-91	24-9-91	8-2-95	23-1-95	7,981	...	70	678	175	2	20	...	144	139	
	Do.	Nannine					7,716	...	110	1,266	153	...	15	182	206
	Do.	Day Dawn					728	...	63	679	70	2	18	126	117
	Do.	Mt. Magnet					4,088	20,513	95	906	115	2	19	233	294
	Yalgoo ... ..	...	Yalgoo ...	8-2-95	23-1-95	...	...	...	18,921	39	480	60	5	...	...	89	137
	Mt. Margaret	Mt. Malcolm ...	Mt. Malcolm ...	12-3-97	1-4-97	24-12-97	1-1-98	2,644	...	154	2,990	258	5	52	...	440	562	
	Do.	Mt. Margaret					39,510	42,154	123	2,510	131	...	31	445	404
	North Coolgardie	Menzies ...	28-6-95	28-6-95	12-3-97	1-4-97	3,268	...	86	1,183	148	2	42	4	...	282	283
	Do.	Ularring					12,256	...	133	1,707	60	...	3	143	212
Do.	Niagara ...	...	779					...	88	1,028	105	1	17	...	...	206	246
Do.	Yerilla ...	...	14,306					30,609	46	725	45	3	13	...	...	62	76
EASTERN GOLDFIELDS	Broad Arrow ... ..	...	Broad Arrow ...	17-11-96	20-11-96	...	...	...	590	113	1,445	235	4	30	3	287	359
	North-East Coolgardie	Kanowna ...	Kanowna ...	20-3-96	15-4-96	13-11-96	20-11-96	1,099	...	133	1,625	175	21	11	...	260	397	
	Do.	Bulong					991	...	38	509	30	76	102
	Do.	Kurnalpi					19,452	21,542	8	133	10	1	15	10
	East Coolgardie ... ..	...	Kalgoorlie ...	21-9-94	1-10-94	20-3-96	15-4-96	...	632	382	6,368	360	87	184	76	3,154	2,749
	Coolgardie	Coolgardie ...	Coolgardie ...	6-4-94	6-4-94	20-3-96	15-4-96	9,221	...	212	2,786	416	2	43	4	563	665	
	Do.	Kunanalling					2,753	11,974	123	1,570	138	4	15	2	...	235	289
	Yilgarn ... ..	...	Southern Cross ...	1-10-88	1-10-88	20-3-96	15-4-96	...	15,593	48	765	175	5	52	...	258	239
	Dundas ... ..	...	Norseman ...	31-8-93	31-8-93	20-3-96	15-4-96	...	17,848	93	1,164	150	8	35	...	206	320
	Phillips River ... ..	...	Ravensthorpe ...	21-9-00	14-9-00	...	...	...	1,300	5	114	...	...	...	...	22	36
Donnybrook ... ..	...	Donnybrook ...	17-11-99	27-11-99	...	...	...	102	51	785	5	2	...	...	37	43	
Goldfields generally ... ..	...	...	...	...	...	...	...	...	...	...	60	3	5	...	...	...
			Total ...	...	...	...	...	...	325,513	2,561	36,024	3,484	170	621	89	8,150	8,597

TABLE III.—GENERAL RETURN for each Goldfield and Goldfield District, etc.—continued.

GEOGRAPHICAL DIVISION.	GOLDFIELD.	DISTRICT.	FIRST QUARTER OF 1900.					SECOND QUARTER OF 1900.				
			Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.
			Ozs.	Ozs.	Tons.	Ozs.	Ozs.	Ozs.	Ozs.	Tons.	Ozs.	Ozs.
NORTHERN GOLDFIELDS	Kimberley ... ..	...	140·00	...	291·00	100·30	·34	70·00	...	100·00	26·40	·26
	Pilbarra	Marble Bar ...	255·00	...	747·40	2,590·75	3·46	880·00	...	1,195·55	1,788·38	1·49
	Do.	Nullagine ...	27·00	4·00	470·30	1,222·65	2·59	...	7·00	209·05	678·10	3·24
	West Pilbarra ... ..	...	146·93	...	68·75	67·81	·98	81·87	...	...	...	...
	Ashburton ... ..	...	472·00	...	...	...	...	477·00	...	...	...	...
CENTRAL GOLDFIELDS	Gascoyne ... ..	...	...	...	...	...	...	...	...	...	...	...
	Peak Hill ... ..	...	...	2,212·00	4,996·40	2·25	...	...	...	4,028·50	9,271·96	2·30
	East Murchison ... ..	...	200·00	96·00	13,786·50	12,646·53	·91	143·20	88·33	11,321·00	13,327·37	1·17
	Murchison	Cue	25·00	18·20	4,258·50	4,690·45	1·10	18·50	10·40	3,647·00	4,128·16	1·13
	Do.	Nannine ... ..	...	561·35	7,813·75	5,802·28	·74	...	1,217·26	5,796·00	5,679·91	·98
	Do.	Day Dawn	4·00	62·13	372·50	1,904·10	5·11	...	5·05	1,114·00	2,351·85	2·11
	Do.	Mt. Magnet ... ..	...	22·30	9,273·50	10,591·00	1·14	...	57·90	8,234·00	9,397·46	1·14
	Yalgoo ... ..	...	...	...	4,496·00	2,577·87	·57	...	30·00	3,403·00	2,062·35	·60
	Mt. Margaret	Mt. Malcolm ...	...	48·00	13,728·30	17,178·49	1·25	1·20	...	19,724·00	24,791·20	1·25
	Do.	Mt. Margaret ...	...	150·00	10,327·00	9,896·75	·95	...	16·50	11,268·50	10,957·84	·97
EASTERN GOLDFIELDS	North Coolgardie	Menzies	6·99	7·21	11,091·50	11,520·85	1·03	31·14	4·08	9,128·00	11,887·84	1·30
	Do.	Ularring ... ..	...	5·00	4,325·35	5,127·38	1·18	...	...	3,260·50	4,058·34	1·24
	Do.	Niagara	3·22	18·62	9,257·00	7,058·70	·76	...	45·10	7,060·00	6,613·21	·93
	Do.	Yerilla	36·65	100·00	569·60	1,441·78	2·53	50·02	121·80	1,397·00	1,877·77	1·34
	Broad Arrow ... ..	...	220·00	33·65	20,172·50	13,484·27	·66	344·20	211·94	11,168·75	9,254·33	·83
	North-East Coolgardie	Kanowna { quartz	...	388·80	11,569·80	7,789·54	·67	...	489·16	10,536·00	6,253·44	·59
	Do. ... ..	... { cement	2,079·52	...	5,408·00	3,209·71	·59	3,526·23	...	3,892·75	2,258·24	·58
	Do.	Bulong	1,095·78	1,745·00	2,171·25	2,498·55	1·15	1,035·77	295·25	3,457·25	3,790·46	1·09
	Do.	Kurnalpi	1,035·00	92·45	92·00	124·50	1·35	579·00	64·80	192·00	149·70	·78
	East Coolgardie ... ..	...	1,384·85	·50	109,333·55	174,270·17	1·59	396·34	564·24	118,648·46	173,692·24	1·46
	Coolgardie	Coolgardie	353·24	41·71	23,530·85	19,628·70	·83	494·19	8·42	25,749·35	22,776·30	·81
	Do.	Kunanalling ...	...	44·75	7,329·00	5,944·01	·81	...	48·93	5,980·50	4,836·05	·81
	Yilgarn ... ..	...	...	...	9,626·50	5,333·92	·55	...	...	9,920·00	5,603·99	·56
Dundas ... ..	...	...	21·97	11,494·00	9,422·88	·82	64·30	9·00	12,300·00	9,985·46	·81	
Phillips River ... ..	...	...	...	...	...	...	...	...	...	...	...
Donnybrook ... ..	...	...	...	57·00	176·10	3·09	...	...	...	...	...
Goldfields generally ... ..	...	...	41·78	54·02	...	...	...	...	...	...	...
		Total	7,526·96	3,515·66	293,873·40	341,296·44	1·16	8,192·96	3,295·16	292,731·16	347,498·35	1·11

TABLE III.—GENERAL RETURN for each Goldfield and Goldfield District, etc.—continued.

GEOGRAPHICAL DIVISION.	GOLDFIELD.	DISTRICT.	THIRD QUARTER OF 1900.					FOURTH QUARTER OF 1900.				
			Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.
			Ozs.	Ozs.	Tons.	Ozs.	Ozs.	Ozs.	Ozs.	Tons.	Ozs.	Ozs.
NORTHERN GOLDFIELDS	Kimberley ... ..	...	65·00	...	119·00	41·65	·35	56·00	...	76·50	71·80	·93
	Pilbarra	Marble Bar ...	119·02	12·05	1,355·71	3,557·81	2·62	246·52	65·87	951·00	2,571·65	2·70
	Do.	Nullagine ...	...	...	590·75	1,232·65	2·08	...	...	653·95	1,358·40	2·07
	West Pilbarra ... ..	...	3·97	...	486·40	389·32	·80	124·69	...	126·00	139·06	1·10
	Ashburton ... ..	...	422·00	...	...	...	...	333·00	...	...	...	...
CENTRAL GOLDFIELDS	Gascoyne ... ..	...	...	...	...	...	...	74·00	...	...	...	...
	Peak Hill ... ..	...	...	19·60	6,342·10	7,777·42	1·22	...	5·25	3,672·00	4,501·00	1·22
	East Murchison ... ..	...	256·62	20·85	15,654·50	18,965·51	1·21	138·72	74·95	16,161·00	18,739·95	1·16
	Murchison	Cue ...	59·30	78·20	4,115·50	5,093·88	1·23	56·05	71·65	5,440·00	5,899·02	1·08
	Do.	Nannine ...	...	626·63	8,161·03	7,489·92	·91	350·00	66·20	8,564·50	8,363·72	·97
	Do.	Day Dawn ...	...	36·80	949·50	1,911·83	2·13	...	34·60	5,665·00	8,336·50	1·47
	Do.	Mt. Magnet ...	...	229·38	11,701·00	9,888·05	·84	...	175·24	11,685·25	10,408·04	·89
	Yalgoo ... ..	...	...	250·00	4,436·00	2,768·22	·62	...	9·00	3,261·20	2,404·42	·73
	Mt. Margaret	Mt. Malcolm ...	...	580·00	23,480·45	25,003·83	1·06	...	336·19	24,563·75	25,093·96	1·02
	Do.	Mt. Margaret ...	...	110·85	12,867·25	12,886·83	1·00	4·00	30·25	16,862·00	18,602·86	1·10
EASTERN GOLDFIELDS	North Coolgardie	Menzies ...	71·97	6·96	8,519·50	12,510·17	1·46	442·78	20·82	9,308·39	13,262·26	1·42
	Do.	Ularring ...	...	...	4,822·90	5,455·88	1·13	...	...	4,411·25	5,638·36	1·27
	Do.	Niagara ...	90	18·80	7,838·00	6,605·09	·84	...	6·40	6,561·00	7,694·65	1·17
	Do.	Yerilla ...	30·43	109·93	1,697·00	2,359·97	1·39	15·95	184·60	1,481·00	2,322·35	1·57
	Broad Arrow ... ..	...	518·46	10·00	17,728·32	11,948·74	·67	387·60	12·85	24,423·60	16,007·28	·65
	North-East Coolgardie	Kanowna { quartz cement	...	249·60	11,530·75	7,593·95	·65	...	128·20	9,936·50	6,781·32	·68
	Do.	Bulcng ...	1,374·88	...	4,469·25	2,212·88	·49	1,951·20	...	2,100·00	1,095·99	·52
	Do.	Kurnalpi ...	1,273·83	4·50	2,596·75	3,181·53	1·22	906·86	425·61	2,605·75	2,885·93	1·10
	Do. ... ..	...	491·50	436·00	100·00	144·37	1·44	750·00	304·17	55·00	52·64	·95
	East Coolgardie ... ..	...	339·17	786·07	128,399·69	183,339·18	1·43	175·20	668·43	135,338·30	202,354·19	1·49
EASTERN GOLDFIELDS	Coolgardie	Coolgardie ...	310·16	13·75	25,588·50	19,535·33	·76	231·10	59·87	29,403·22	17,785·69	·60
	Do.	Kunanalling ...	104·17	11·80	7,068·75	4,904·19	·69	131·90	90·83	8,437·58	5,057·92	·59
	Yilgarn ... ..	...	...	...	21,040·50	9,580·14	·45	...	...	13,816·10	8,637·37	·62
	Dundas ... ..	...	101·83	4·51	12,499·50	10,463·46	·83	...	...	12,721·00	11,010·22	·86
	Phillips River ... ..	...	...	5·00	...	...	...	...	34·00	...	...	...
	Donnybrook ... ..	...	...	...	130·00	94·50	·72	...	...	173·00	182·50	1·05
	Goldfields generally ... ..	...	50·76	...	...	...	...	...	...	...	...	...
		Total ...	5,593·97	3,621·28	344,288·60	376,936·30	1·09	6,375·57	2,804·98	358,453·84	407,259·45	1·13

TABLE III.—GENERAL RETURN for each Goldfield and Goldfield District, etc.—continued.

GEOGRAPHICAL DIVISION.	GOLDFIELD.	DISTRICT.	TOTAL FOR 1900.					TOTAL PREVIOUS TO 1900.				
			Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	Ounces from unknown tons.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.
			Ozs.	Ozs.	Tons.	Ozs.	Ozs.	Ozs.	Ozs.	Ozs.	Tons.	Ozs.
NORTHERN GOLDFIELDS	Kimberley ... ..	...	331·00	...	586·50	240·15	·40	...	727·00	...	14,452·00	13,593·62
	Pilbarra	Marble Bar ...	1,500·54	77·92	4,249·66	10,508·59	2·47	2,082·00	2,878·50	882·27	25,322·45	51,288·01
	Do.	Nullagine ...	27·00	11·00	1,924·05	4,491·80	2·33	...	1,729·79	53·45	5,224·65	10,087·57
	West Pilbarra ... ..	...	357·46	...	681·15	596·19	·87	...	735·07	...	1,851·00	2,724·40
	Ashburton ... ..	...	1,704·00	...	...	...	...	...	2,122·68	340·00	...	...
	Gascoyne ... ..	...	74·00	...	...	...	...	...	119·43	20·30	236·70	221·09
CENTRAL GOLDFIELDS	Peak Hill ... ..	...	...	24·85	16,254·60	26,546·78	1·63	4,551·60	...	1,246·45	18,835·19	63,078·31
	East Murchison ... ..	...	738·54	280·13	56,923·00	63,679·36	1·11	...	2,890·54	3,043·81	87,344·74	99,755·94
	Murchison	Cue	158·85	178·45	17,461·00	19,811·51	1·13	1,072·00	46·39	1,121·71	93,574·12	91,974·50
	Do.	Nannine ...	350·00	2,471·44	30,335·28	27,335·83	·90	...	1·90	1,177·47	77,323·50	76,347·45
	Do.	Day Dawn ...	4·00	138·58	8,101·00	14,504·28	1·79	...	63·31	1,739·79	82,125·60	99,898·20
	Do.	Mt. Magnet ...	...	484·82	40,893·75	40,284·55	·98	...	87·53	3,668·32	88,738·25	85,357·00
EASTERN GOLDFIELDS	Yalgoo ... ..	...	...	289·00	15,596·20	9,812·86	·62	...	...	16·50	28,512·98	26,101·18
	Mt. Margaret	Mt. Malcolm ...	1·20	964·19	81,496·50	92,067·48	1·12	...	1,571·62	2,799·61	102,629·81	119,818·70
	Do.	Mt. Margaret ...	4·00	307·60	51,324·75	52,344·28	1·01	...	37·52	507·50	23,892·95	32,490·73
	North Coolgardie	Menzies ...	552·88	39·07	38,047·39	49,181·12	1·29	...	89·62	265·00	109,758·00	196,006·61
	Do.	Ularring ...	...	5·00	16,820·00	20,279·96	1·20	...	1·82	374·00	13,621·61	22,893·91
	Do.	Niagara ...	4·12	88·92	30,716·00	27,971·65	·91	...	89·44	121·83	45,401·45	36,213·91
	Do.	Yerilla ...	133·05	516·33	5,144·60	8,001·87	1·55	275·00	735·90	4,573·72	13,580·23	16,531·93
	Broad Arrow ... ..	...	1,470·26	268·44	73,493·17	50,694·62	·69	250·00	1,597·80	495·55	113,152·96	97,171·25
	North-East Coolgardie	Kanowna { quartz cement	...	1,255·76	43,573·05	28,418·25	·65	...	...	956·95	75,018·40	71,619·87
	Do.	Bulong ...	8,931·83	...	15,870·00	8,776·82	·55	...	93,615·73	1·00	87,413·18	103,677·85
	Do.	Kurnalpi ...	4,312·24	2,470·36	10,831·00	12,356·47	1·14	...	15,391·33	2,671·65	33,116·55	37,931·32
	Do. ... ..	...	2,855·50	897·42	439·00	471·21	1·07	...	5,508·45	151·07	1,492·55	1,171·01
East Coolgardie ... ..	...	2,295·56	2,019·24	491,720·00	733,656·18	1·49	500·00	590·25	223·71	895,675·91	1,717,075·58	
Coolgardie	Coolgardie ...	1,388·69	123·75	104,271·92	79,726·02	·76	...	6,524·89	1,463·88	267,711·03	287,877·39	
Do.	Kunanalling ...	236·07	196·31	28,815·83	20,742·17	·71	...	4·22	1,645·47	82,518·11	72,387·12	
Yilgarn ... ..	...	...	...	54,403·10	29,155·42	·53	...	...	738·18	272,123·53	138,670·42	
Dundas ... ..	...	166·13	35·48	49,014·50	40,882·02	·83	...	142·75	229·28	110,210·63	103,903·17	
Phillips River ... ..	...	...	39·00	...	...	...	...	...	...	...	...	...
Donnybrook ... ..	...	...	...	360·00	453·10	1·26	...	32·10	...	312·80	494·04	
Goldfields generally ... ..	...	...	92·54	54·02	...	...	...	23·90	21·10	...	1,233·90	
		Total ...	27,689·46	13,237·08	1,289,347·00	1,472,990·54	114	8,730·60	137,359·48	30,547·57	2,771,170·88	3,677,595·98

TABLE III.—GENERAL RETURN for each Goldfield and Goldfield District, etc.—continued.

GEOGRAPHICAL DIVISION.	GOLDFIELD.	DISTRICT.	TOTAL GOLD PRODUCTION.						QUANTITY OF GOLD EXPORTED AND RECEIVED AT ROYAL MINT.				
			Ounces from unknown tons.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	During 1900.	Previous to 1900.	Total.	Value. \$	
			Ozs.	Ozs.	Ozs.	Tons.	Ozs.	Ozs.	Ozs.	Ozs.	Ozs.	£ s. d.	
NORTHERN GOLDFIELDS	Kimberley ... ..	...	...	1,058·00	...	15,038·50	13,833·77	·91	676·62	25,338·11	26,014·73	98,855 19 6
	Pilbarra	Marble Bar ...	2,082·00	4,379·04	960·19	29,572·11	61,796·60	2·08	} 17,140·51	} 155,423·25	} 172,563·76	} 655,742 5 9	
	Do.	Nullagine ...	...	1,756·79	64·45	7,148·70	14,579·37	2·03				
	West Pilbarra	1,092·53	...	2,532·15	3,320·59	1·31	721·68	3,983·78	¹ +4,705·46	17,880 15 9
	Ashburton	3,826·68	340·00	524·36	4,811·72	5,336·08	20,277 1 4
	Gascoyne	193·43	20·30	236·70	221·09	·93	86·10	418·72	² +504·82	1,918 6 4
CENTRAL GOLDFIELDS	Peak Hill ... ..	...	4,551·60	...	1,271·30	35,089·79	89,625·09	2·55	28,669·86	50,842·19	³ +79,512·05	302,145 15 9
	East Murchison ... ..	...	...	3,629·08	3,323·94	144,267·74	163,435·30	1·13	58,369·50	90,586·82	³ +148,956·32	566,034 1 10
	Murchison	Cue	1,072·00	205·24	1,300·16	111,035·12	111,786·01	1·00	} 108,696·58	} 507,414·66	} 616,111·24	} 2,341,222 14 3	
	Do.	Nannine ... ..	...	351·90	3,648·91	107,658·78	103,683·28	·96				
	Do.	Day Dawn ... ..	...	67·31	1,878·37	90,226·60	114,402·48	1·26				
	Do.	Mt. Magnet ... ..	...	87·53	4,151·14	129,632·00	125,641·55	·96	9,368·57	16,670·19	⁴ +26,038·76	98,947 5 9
	Yalgoo ... ..	...	...	...	305·50	44,109·18	35,914·04	·81	} 141,523·00	} 133,769·49	} ³ +275,292·49	} 1,046,111 9 3
	Mt. Margaret	Mt. Malcolm ... ..	...	1,572·82	3,763·80	184,126·31	211,886·18	1·15				
	Do.	Mt. Margaret	41·52	815·10	75,217·70	84,835·01	1·12	} 106,193·38	} 268,030·71	} ⁵ +374,224·09	} 1,422,051 11 7
	North Coolgardie	Menzies ... ..	...	642·50	304·07	147,805·39	245,187·73	1·65				
Do.	Ularring ... ..	...	...	1·82	379·00	30,441·61	43,173·87	1·41				
Do.	Niagara ... ..	...	...	93·56	210·75	76,117·45	64,185·56	·84	} 47,860·59	} 73,315·00	} ⁶ +121,175·59	} 460,467 3 4
Do.	Yerilla	275·00	868·95	5,090·05	18,724·83	24,533·80	1·31						
Broad Arrow ... ..	...	250·00	3,068·06	763·99	186,646·13	147,865·87	·79	} 52,129·12	} 243,430·67	} ⁶ +295,559·79	} 1,123,127 4 10	
North-East Coolgardie	Kanowna { quartz	...	...	2,212·71	118,591·45	100,038·12	·84					
Do.	Do. { cement	...	102,547·56	1·00	103,283·18	112,454·67	1·08	} 810,906·78	} 1,759,254·27	} ⁵ +2,570,161·05	} 9,766,611 19 0		
Do.	Bulong ... ..	...	19,703·57	5,142·01	43,947·55	50,287·79	1·14					
Do.	Kurnalpi ... ..	...	8,363·95	1,048·49	1,931·55	1,642·22	·85	} 119,781·46	} 672,274·46	} ⁷ +792,055·92	} 3,009,812 9 11	
East Coolgardie ... ..	...	500·00	2,885·81	2,242·95	1,387,395·91	2,450,731·76	1·76					
Coolgardie	Coolgardie ... ..	...	7,913·58	1,587·63	371,982·95	367,603·41	·98	} 29,418·10	} 228,229·92	} 257,648·02	} 979,062 8 9	
Do.	Kunanalling ... ..	...	240·29	1,841·78	111,333·94	93,129·29	·83					
Yilgarn ... ..	...	...	...	738·18	326,526·63	167,825·84	·51	} 40,687·56	} 101,476·14	} ⁸ +142,163·70	} 540,222 1 2	
Dundas ... ..	...	...	308·88	264·76	159,225·13	144,785·19	·90					
Phillips River ... ..	...	...	...	39·00	...	...	...	} 265·55	} 506·11	} ⁹ +771·66	} 2,932 6 2	
Donnybrook ... ..	...	...	32·10	...	672·80	947·14	1·40					
Goldfields generally ... ..	...	...	116·44	75·12	...	1,233·90	...	7,930·86	904·39	8,835·25	33,573 19 0	
Total			8,730·60	165,048·94	43,784·65	4,060,517·88	5,150,586·52	1·26	1,580,950·18	4,336,680·60	5,917,630·78	22,486,996 19 3	

§ Valuation at £3 16s. per oz. ¹ Prior to 1st May, 1898, included with Pilbarra. ² Prior to 1st March, 1899, included with Ashburton. ³ From 1st August, 1897. ⁴ Prior to 1st April, 1897, included with Murchison.
⁵ Prior to 1st May, 1896, included with Coolgardie. ⁶ From 1st September, 1897. ⁷ Declared 5th April, 1894, to which date included with Yilgarn. ⁸ Prior to 1893, included with Yilgarn. ⁹ From 1st March, 1899.

IV.

Gold-producing Mine in the Colony, to the 31st December, 1900.

Goldfield.

YEAR 1900.		TOTAL PREVIOUS TO 1900.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1900.		
Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	£	s.	d.
ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.			
...	23'00	490'58	...	...	...	23'00	490'58	...			
...	400'00	30'00	'07	...	...	400'00	30'00	'07			
...	94'55	68'30	...	...	...	94'55	68'30	...			
...	40'00	351'70	8'79	...	...	40'00	351'70	8'79			
...	4'00	123'30	...	...	...	4'00	123'30	...			
...	191'00	202'75	1'06	...	...	191'00	202'75	1'06			
...	577'00	535'30	'92	...	...	577'00	535'30	'92			
141'95	'34	...	...	6,741'00	5,010'50	'74	...	...	7,151'00	5,152'45	'72	3	15	0
71'80	'93	...	...	1,377'50	1,588'98	1'15	...	...	1,454'00	1,660'78	1'14	3	15	0
...	22'00	64'58	2'93	...	...	22'00	64'58	2'93			
...	679'50	1,033'95	1'52	...	...	679'50	1,033'95	1'52			
...	151'00	138'85	...	...	...	151'00	138'85	...			
...	94'00	74'50	'79	...	...	94'00	74'50	'79			
...	85'25	39'22	'46	...	...	85'25	39'22	'46			
...	15'00	17'45	1'16	...	...	15'00	17'45	1'16			
...	1,153'50	1,396'05	1'21	...	...	1,153'50	1,396'05	1'21			
26'40	'26	...	...	2,233'00	1,747'61	'78	...	...	2,333'00	1,774'01	'76	3	15	0
...	5'00	3'25	'65	...	...	5'00	3'25	'65			
...	129'00	280'34	...	...	...	129'00	280'34	...			
...	399'00	228'85	'57	...	...	399'00	228'85	'57			
...	28'70	147'34	5'13	...	...	28'70	147'34	5'13			
...	1'00	80	'80	...	...	1'00	80	'80			
...	5'00	3'00	'60	...	...	5'00	3'00	'60			
...	3'00	16'42	...	...	...	3'00	16'42	...			
...	...	727'00	...	...	...	...	1,058'00	...	...	...	...
240'15	'40	727'00	...	14,452'00	13,593'62	'94	1,058'00	...	15,038'50	13,833'77	'91			

Goldfield.

DISTRICT.

YEAR 1900.		TOTAL PREVIOUS TO 1900.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1900.		
Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	£	s.	d.
ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.			
...	...	...	...	4'00	8'40	2'10	...	...	4'00	8'40	2'10			
...	...	...	...	1,579'50	3,276'00	2'07	...	...	1,579'50	3,276'00	2'07			
...	...	...	...	1,390'50	2,436'80	1'75	...	...	1,390'50	2,436'80	1'75			
747'25	1'86	...	...	530'00	724'45	1'36	...	...	930'00	1,471'70	1'58	3	19	0
147'10	1'50	...	...	34'50	50'55	1'46	...	...	34'50	50'55	1'46			
...	...	...	...	221'00	492'00	2'22	...	...	318'50	639'10	2'00			
...	...	...	...	1,339'50	3,433'50	2'56	...	...	1,339'50	3,433'50	2'56			
...	...	...	...	169'00	147'85	'87	...	...	169'00	147'85	'87			
...	...	...	...	1,433'00	3,402'40	2'37	...	...	1,433'00	3,402'40	2'37			
53'00	'69	...	...	2,221'00	3,123'85	1'40	...	...	2,297'75	3,176'85	1'38	2	15	1
...	...	...	...	96'00	119'00	1'23	...	...	96'00	119'00	1'23			
...	...	...	...	40'00	88'00	2'20	...	...	40'00	88'00	2'20			
...	...	...	...	80'00	77'70	'97	...	...	80'00	77'70	'97			
159'25	...	...	...	...	...	...	...	...	44'00	159'25	...			
2,394'85	3'42	...	...	...	...	...	...	...	700'00	2,394'85	3'42	3	2	6
30'96	'43	...	...	...	...	...	...	...	72'00	30'96	'43			
...	...	...	...	66'00	149'60	2'26	...	...	66'00	149'60	2'26			
...	...	...	...	1,472'50	1,594'97	1'08	...	...	1,472'50	1,594'97	1'08			
...	‡	‡	...			
3,532'41	...	...	...	10,676'50	19,125'07	...	...	...	12,066'75	22,657'48	...			

‡ 2,082 ozs. from unknown tons.

TABLE IV.—Return of all

Pilbarra

MARBLE BAR

MINING CENTRE.	NUMBER OF LEASE.	REGISTERED NAME OF LEASE OR COMPANY.	Area in Acres.	PARTICULARS OF PLANT.							TOTAL FOR		
				Milling.		Cyaniding.					Alluvial.	Dollied and Specimens	Ore treated.
				Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.	ozs.				ozs.	tons.
		Brought forward ...					tons.	tons.		ozs.	ozs.	tons.	
Marble Bar	472	Homeward Bound	Abd.	20	1							1,390-25	
Do.	579	Homeward Bound			t1								
Do.	2	Ironclad	V.N.P.										
Do.	155, 164/5	Just-in-Time G.Ms., Ltd.	V.N.P.										
Do.	288	Marble Bar (Pilbarra United G.Ms., Ltd.)	V.N.P.										
Do.	470	Pillindinnie	V.N.P.										
Do.	549	Queen of the West	V.N.P.										
Do.	105	Rejected (Pilbarra United G.Ms., Ltd.)	Ftd.										
Do.	457	Robert Bruce	Abd.										
Do.	3, 21, (157, 160)	(Stray Shot and Excelsior G.Ms., Ltd.)											
Do.	3, 21	Stray Shot and Excelsior	10	5		2	50	400					
Do.	338	Trafalgar	Abd.										
Do.		Sundry Claims										15-00	
North Pole	453, M.A. 21	North Pole Democrat	V.N.P.									282-00	
Do.	575	Try Again	Abd.									24-00	
North Shaw	446, M.A. 17	Cremorne	V.N.P.		5								
Do.	468	Mt. Ada	V.N.P.										
Do.		Sundry Claims											
Shaw River	394	Auraria	Abd.										
Do.	223	No. 1 West Eldorado	V.N.P.										
Talga Talga	485	General	Abd.										
Do.	458	Jubilee	V.N.P.										
Do.	147/8	McPhee's Reward, Ltd.	V.N.P.										
Do.	170	North-West Australian Goldfields, Ltd.	V.N.P.										
Do.		Sundry Claims											
Tambourah	456	Federal	V.N.P.										
Do.	464	Kirkpatrick	V.N.P.										
Do.	465	Old Australian	V.N.P.										
Do.	252	Tambourah King	V.N.P.										
Do.	536	Western Chief	V.N.P.										
Do.	567 (536)	Western Chief	12									108-00	
Do.	258	Western Chief No. 1 South	V.N.P.										
Do.	568 (258)	Western Chief No. 1 South	12		10							30-00	
Do.	254/6, 258	World's Fair G.M. Co., Ltd.	V.N.P.										
Do.		Sundry Claims										51-00	
Warrawoona	500	Admiral Dewey	Abd.										
Do.	505	Bow Bells	12									104-20	
Do.	524	Bow Bells Block No. 1	Abd.										
Do.	410	Brilliant	V.N.P.										
Do.	484	Britannia	Abd.										
Do.	516	Brought to Light	V.N.P.										
Do.	519	Carnoustie	V.N.P.										
Do.	534	Chance	Abd.										
Do.	510	Columbia	V.N.P.										
Do.	508	Criterion	Abd.										
Do.	492	Cuban	6									28-10	
Do.	521	Cutty Sark	V.N.P.										
Do.	541	Daisy	V.N.P.										
Do.	477	Dawson City	Ftd.										
Do.	496	Daylight	Abd.										
Do.	475	Dead Camel	V.N.P.										
Do.	483	Gauntlet	12									872-00	
Do.	506	Golden Gauntlet	V.N.P.										
Do.	487	Gift	V.N.P.										
Do.	564	Imperialist	6									367-50	
Do.	479	Juneau	V.N.P.										
Do.	473, M.A. 18	Klondyke	6		5							144-50	
Do.	507	Klondyke Block	V.N.P.										
Do.	476	Klondyke Boulder	6									253-71	
Do.	474	Klondyke No. 1	Ftd.									15-20	
Do.	578 (474)	Klondyke No. 1 West	6									7-85	
Do.	488	Klondyke Queen	V.N.P.										
Do.	522, R.C. 94	Kopecke's Reward Block	V.N.P.									36-25	
Do.	455	Kushmattie	V.N.P.										
Do.	514	Nelson	Ftd.										
Do.	517	Princept	Abd.										
Do.	489	Princess of Alaska	Ftd.										
Do.	491	Rangatira	V.N.P.										
Do.	M.A. 19	Salgash Public Crushing Co.		15									
		Carried forward		60	2	2						3,729-56	

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

YEAR 1900.		TOTAL PREVIOUS TO 1900.					TOTAL GOLD PRODUCTION.					Esti- mated Value of Gold per oz., 1900.
Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	
ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	£ s. d.
3,532.41	10,676.50	19,125.07	...	...	...	12,066.75	22,657.48	...	
...	249.75	261.15	1.04	...	...	249.75	261.15	1.04	
...	21.50	7.52	.34	...	...	21.50	7.52	.34	
...	60.00	47.30	.78	...	...	60.00	47.30	.78	
...	11.00	15.70	1.42	...	...	11.00	15.70	1.42	
...	82.00	1.00	260.00	...	...	82.00	1.00	260.00	...	
...	294.00	362.55	1.23	...	...	294.00	362.55	1.23	
...	1,273.00	1,894.00	1.48	...	...	1,273.00	1,894.00	1.48	
...	112.00	116.92	1.04	...	...	112.00	116.92	1.04	
...	4,059.90	10,128.20	2.49	...	...	4,059.90	10,128.20	2.49	
cy. 195.00	195.00	...	3 14 0
...	30.00	90.00	3.00	...	...	30.00	90.00	3.00	
14.00	404.80	807.94	...	...	...	419.80	821.94	...	
169.00	.59	...	...	110.00	99.00	.90	...	...	392.00	268.00	.68	
56.40	2.35	...	...	...	...	...	...	...	24.00	56.40	2.35	
...	265.00	549.25	2.07	...	...	265.00	549.25	2.07	
...	...	8.50	...	86.45	263.40	3.04	8.50	...	86.45	263.40	3.04	
...	640.00	...	...	...	...	640.00	...	...	...
...	50.00	30.00	.60	...	...	50.00	30.00	.60	
...	51.00	32.95	.64	...	...	51.00	32.95	.64	
...	54.50	52.50	.96	...	...	54.50	52.50	.96	
...	124.00	182.90	1.47	...	...	124.00	182.90	1.47	
...	367.00	957.00	2.60	...	...	367.00	957.00	2.60	
...	26.00	33.00	1.26	...	...	26.00	33.00	1.26	
...	141.00	545.95	...	...	...	141.00	545.95	...	
...	11.00	15.25	1.38	...	...	11.00	15.25	1.38	
...	88.00	208.50	2.36	...	...	88.00	208.50	2.36	
...	51.50	70.10	1.36	...	...	51.50	70.10	1.36	
...	86.00	154.00	1.79	...	...	86.00	154.00	1.79	
...	546.00	641.75	1.17	...	...	546.00	641.75	1.17	
122.15	1.13	...	...	...	...	...	...	...	108.00	122.15	1.13	
...	72.00	79.17	1.09	...	...	72.00	79.17	1.09	
40.00	1.33	...	...	...	...	...	...	...	30.00	40.00	1.33	
...	412.00	505.60	1.22	...	...	412.00	505.60	1.22	
89.20	20.00	588.25	822.00	...	...	20.00	639.25	911.20	...	
...	8.45	4.55	.53	...	...	8.45	4.55	.53	
175.29	1.68	...	...	238.00	494.70	2.07	...	...	342.20	669.99	1.95	
...	12.00	10.50	.87	...	...	12.00	10.50	.87	
...	35.00	21.60	.61	...	...	35.00	21.60	.61	
...	19.00	28.70	1.51	...	...	19.00	28.70	1.51	
...	8.75	7.96	.90	...	...	8.75	7.96	.90	
...	45.40	178.11	3.92	...	...	45.40	178.11	3.92	
...	4.00	8.35	2.08	...	...	4.00	8.35	2.08	
...	10.00	14.75	1.47	...	...	10.00	14.75	1.47	
...	12.20	7.80	.63	...	...	12.20	7.80	.63	
124.00	4.41	...	...	23.20	91.41	3.94	...	...	51.30	215.41	4.19	
...	4.75	10.10	2.12	...	...	4.75	10.10	2.12	
...	5.70	10.55	1.85	...	...	5.70	10.55	1.85	
...	25.60	6.90	.26	...	...	25.60	6.90	.26	
...	18.50	6.00	.32	...	...	18.50	6.00	.32	
...	18.75	63.50	3.38	...	...	18.75	63.50	3.38	
2,269.00	2.60	...	...	256.30	1,167.05	4.55	...	...	1,128.30	3,436.05	3.04	3 17 6
...	3.00	4.60	1.53	...	...	3.00	4.60	1.53	
...	44.05	73.50	1.66	...	...	44.05	73.50	1.66	
389.20	1.05	...	...	163.75	214.01	1.30	...	...	531.25	603.21	1.13	4 0 2
...	13.85	15.33	1.10	...	...	13.85	15.33	1.10	
1,566.20	410.00	2,594.86	6.32	...	...	554.50	4,161.06	7.50	
...	37.00	764.00	...	...	...	37.00	764.00	...	
436.55	1.72	...	...	352.90	905.42	2.56	...	...	606.61	1,341.97	2.21	
68.20	4.48	...	...	19.95	100.97	5.06	...	...	35.15	169.17	4.81	
20.50	2.61	...	...	...	...	...	...	...	7.85	20.50	2.61	
...	9.90	13.75	1.38	...	...	9.90	13.75	1.38	
101.75	2.80	...	...	98.85	370.65	3.74	...	...	135.10	472.40	3.49	
...	140.50	271.65	1.93	...	...	140.50	271.65	1.93	
...	1.25	5.29	4.23	...	...	1.25	5.29	4.23	
...	2.15	5.00	2.32	...	...	2.15	5.00	2.32	
...	40.00	70.61	1.76	...	...	40.00	70.61	1.76	
...	8.50	5.15	.60	...	...	8.50	5.15	.60	
10,508.59	...	8.50	742.00	22,414.40	45,905.99	...	8.50	742.00	26,143.96	55,274.84	...	

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

YEAR 1900.		TOTAL PREVIOUS TO 1900.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1900.
Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	
ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	£ s. d.
19,508.59	...	8.50	742.00	22,414.40	45,905.99	...	8.50	742.00	26,143.96	55,274.84	...	
...	...	...	...	20.00	124.00	6.20	...	...	20.00	124.00	6.20	
...	...	...	...	9.00	7.00	.77	...	...	9.00	7.00	.77	
37.55	2.36	...	...	...	...	...	...	...	15.90	37.55	2.36	
99.95	1.03	...	...	...	...	...	...	...	96.50	99.95	1.03	3 9 9
32.50	...	50.00	...	192.60	229.75	...	50.00	...	204.80	262.25	...	
cy. 31.75	...	...	...	1,221.00	1,114.54	.91	...	...	1,221.00	1,146.29	.93	
...	
...	...	...	...	27.00	21.00	.77	...	...	27.00	21.00	.77	
42.50	2.50	...	140.27	175.45	304.60	1.73	...	140.27	192.45	347.10	1.80	
...	...	...	...	133.50	834.22	6.24	...	...	133.50	834.22	6.24	
31.75	1.41	...	...	473.85	552.45	1.16	...	...	496.35	584.20	1.17	
...	...	...	...	23.00	28.75	1.25	...	...	23.00	28.75	1.25	
...	...	...	...	77.60	108.20	1.39	...	...	77.60	108.20	1.39	
40.50	4.50	...	...	...	...	...	...	...	9.00	40.50	4.50	
...	...	...	...	22.50	11.55	.51	...	...	22.50	11.55	.51	
...	...	...	...	13.40	701.00	...	...	...	13.40	701.00	...	
...	...	...	...	8.40	6.80	.80	...	...	8.40	6.80	.80	
120.00	...	...	...	...	...	...	...	...	12.00	120.00	...	
...	...	...	...	10.00	10.00	1.00	...	...	10.00	10.00	1.00	
...	...	...	...	45.25	75.30	1.66	...	...	45.25	75.30	1.66	
...	...	...	...	16.00	23.30	1.45	...	...	16.00	23.30	1.45	
245.50	2.97	...	...	34.00	144.80	4.25	...	...	116.50	390.30	3.35	
14.50	1.00	...	...	...	...	...	...	...	14.50	14.50	1.00	
...	...	...	...	66.00	207.50	3.14	...	...	66.00	207.50	3.14	
251.25	1.92	...	...	146.50	658.41	4.49	...	...	277.20	909.66	3.28	3 8 11
24.00	1.60	...	...	83.85	146.75	1.75	...	...	98.85	170.75	1.72	
11.80	...	...	...	61.50	44.30	...	...	...	72.75	56.10	...	
7.75	...	...	...	...	...	...	...	...	15.00	7.75	...	
{ 79.13	...	...	...	47.65	27.80	...	...	...	113.70	116.08	...	
{ 9.15	...	...	...	...	...	...	...	...	...	...	...
cy. 60.16	...	...	...	...	...	...	...	...	...	60.16	...	
...	...	2,770.00	...	...	...	...	3,825.00	...	...	...	...
...	...	50.00	...	...	...	...	265.00	...	...	...	...
...	...	...	...	...	...	...	160.00	...	...	...	...
...	...	...	...	...	...	...	70.54	77.92	...	...	...
10,508.59	2.47	2,878.50	882.27	25,322.45	† 51,288.01	2.02	4,379.04	960.19	29,572.11	† 61,796.60	2.08	

† Also 2,082ozs. from unknown tons.

DISTRICT.

YEAR 1900.		TOTAL PREVIOUS TO 1900.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1900.
Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	
ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	£ s. d.
...	...	...	...	21.00	52.50	2.50	...	...	21.00	52.50	2.50	
156.50	1.73	...	...	136.00	432.40	3.17	...	...	226.00	588.90	2.60	4 3 2
...	...	...	...	20.00	25.00	1.25	...	...	20.00	25.00	1.25	
...	...	...	...	338.00	351.25	1.03	...	...	338.00	351.25	1.03	
58.50	1.62	...	...	61.00	93.50	1.53	...	...	97.00	152.00	1.56	4 0 0
...	...	...	...	25.00	13.30	.53	...	...	25.00	13.30	.53	
...	...	...	...	...	...	...	...	...	7.00	12.65	1.80	
12.65	1.80	...	...	...	...	...	...	...	101.00	133.05	1.31	
133.05	1.31	...	...	...	...	...	...	...	38.00	231.50	6.09	
...	...	...	15.00	38.00	231.50	6.09	...	15.00	38.00	231.50	6.09	
...	...	...	...	22.00	26.30	1.19	...	...	22.00	26.30	1.19	
...	...	...	...	21.00	64.20	3.05	...	...	21.00	64.20	3.05	
...	...	...	...	266.00	702.70	2.64	...	...	266.00	702.70	2.64	
204.00	7.28	...	...	14.25	268.45	...	...	...	42.25	472.45	...	3 15 5½
564.70	...	...	15.00	962.25	2,261.10	...	...	15.00	1,224.25	2,825.80	...	

TABLE IV.—Return of all

**Pilbarra
NULLAGINE**

MINING CENTRE.	NUMBER OF LEASE.	REGISTERED NAME OF LEASE OR COMPANY.	Area in Acres.	PARTICULARS OF PLANT.							TOTAL FOR		
				Milling.			Cyaniding.				Alluvial.	Dolled and Specimens	Ore treated.
				Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.	tons.				ozs.	tons.
		Brought forward ...	...	...	...	...	tons.	tons.	...	...	...	tons.
Nullagine	M.A. 4L ...	Enterprise Battery ...	...	10	...	...	...	...	...	...	...	...
Do.	91L ...	Federation ...	V.N.P.	...	...	...	...	...	...	...	...	5.50
Do.	92L ...	Federation Extended ...	V.N.P.	...	...	...	...	...	...	...	...	6.00
Do.	65L ...	Fisher's Reward ...	Abd.	...	...	...	...	...	...	...	...	...
Do.	79L ...	Galtee More ...	6	...	...	...	...	...	...	...	...	...
Do.	85L ...	Galtee More North ...	Abd.	...	...	...	...	...	...	...	...	...
Do.	31L ...	Golden Crown (Conglomerate Goldfields of W.A., Ltd.)	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	77L (71L) ...	Golden Eagle ...	12	...	...	...	...	...	...	...	...	12.00
Do.	67L ...	Golden Promise No. 1 ...	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	68L ...	Grant's Hill South ...	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	59L ...	Great Eastern ...	Abd.	...	...	...	...	...	...	...	...	...
Do.	61L ...	Great Eastern Extended ...	Abd.	...	...	...	...	...	...	...	...	...
Do.	M.A. 5L ...	Lady Ray Works, 20-Mile Sandy	...	5	...	...	...	...	...	...	...	...
Do.	88L (78L) ...	Latest Surprise ...	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	103L ...	Mundalla ...	6	...	...	...	...	...	...	...	...	91.30
Do.	R.C. 742 ...	Nicholl's Reward ...	...	...	...	...	...	...	...	...	...	125.15
Do.	1L, 2L, 18L, 21L, 27L	North-West Australian Goldfields, Ltd.	62	...	...	...	...	...	...	...	...	152.00
Do.	M.A. 3L ...	Nullagine Gold, Diamond, and Exploration Co.	...	10	...	...	...	...	...	...	...	...
Do.	108L (82L) ...	Old All Nations ...	10	...	...	...	...	...	...	...	...	42.00
Do.	95L ...	Parnell ...	12	...	...	...	...	...	...	...	...	59.00
Do.	102L ...	Parnell North ...	6	...	...	...	...	...	...	...	...	46.50
Do.	93L ...	Rattler ...	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	M.A. 6L ...	Royer's Public Crushing Battery	...	10	...	...	...	...	...	...	...	...
Do.	57L ...	Sunrise No. 1 ...	Abd.	...	...	...	...	...	...	...	...	...
Do.	78L ...	Surprise ...	Abd.	...	...	...	...	...	...	...	...	...
Do.	42L ...	Victory ...	Surr.	...	...	...	...	...	...	...	...	...
Do.	51L ...	Victory Extended ...	Surr.	...	...	...	...	...	...	...	...	...
Do.	99L ...	Walter's Folly ...	6	...	...	...	...	...	...	...	...	89.00
Do.	56L ...	West Extended Volunteer Prospecting Association	Ftd.	...	...	...	...	...	...	...	...	...
Do.	90L ...	Yes-No ...	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	...	Sundry Claims ...	...	...	...	...	...	...	...	11.00	...	1,008.60
<i>From District generally—</i>													
		Sundry parcels treated at Lady Ray Works ...	...	...	...	...	...	...	...	...	...	25.00
		Alluvial ...	...	...	...	...	...	...	27.00	...	...	...
		Total ...	...	35	...	...	...	...	27.00	11.00	...	1,924.05

West Pilbarra

MINING CENTRE.	NUMBER OF LEASE.	REGISTERED NAME OF LEASE OR COMPANY.	Area in Acres.	PARTICULARS OF PLANT.							TOTAL FOR		
				Milling.			Cyaniding.				Alluvial.	Dolled and Specimens	Ore treated.
				Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.	tons.			
Croydon	104	Queenslander ...	V.N.P.	...	...	...	tons.	tons.	...	...	...	...
Hong Kong	73	Break of Morn ...	Abd.	...	...	...	...	...	...	...	...	...
Do.	82	Britannia ...	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	105	Empress (Empress G.Ms., Ltd.)	12	10	...	...	...	...	...	...	...	126.00
Do.	97	Queen Victoria (Empress G.Ms., Ltd.)	12	...	1	...	...	...	...	...	...	...
Do.	...	Sundry Claims ...	...	...	...	...	...	...	...	...	...	9.00
Lower Nicol	111/2, R.C. 6	Lydia Exploration Co., Ltd.	24	...	...	...	...	...	...	...	...	7.50
Mallina...	101 (18)	Diamond Jubilee ...	Abd.	...	...	...	...	...	...	...	...	...
Do.	18	Stray Shot ...	Abd.	...	...	...	...	...	...	...	...	55.75
Pilbarra	79	John Bull ...	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	28, 46	Pioneer leases ...	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	45	Queen Mab ...	Abd.	...	...	...	...	...	...	...	...	...
Towranna	36	Consolidated G.Ms. of W.A., Ltd.	24	...	...	...	...	...	...	...	...	...
Do.	97	Day Dawn ...	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	33	Towranna ...	Abd.	...	...	...	...	...	...	...	...	...
Do.	102 (33), 103 (49), M.A. 5	Towranna G.Ms. of W.A., Ltd.	17	20	...	...	...	...	...	...	...	477.00
Do.	49	Towranna Queen ...	Abd.	...	...	...	...	...	...	...	...	...
Weerianna	94	Eureka ...	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	105	Eureka ...	Abd.	...	...	...	...	...	...	...	...	5.90
Do.	74	Roebourne Star ...	V.N.P.	...	...	...	...	...	...	...	...	...
<i>From Goldfield generally—</i>													
		Alluvial ...	...	...	...	...	...	...	...	...	...	...
		Notices of Purchase ...	...	...	...	...	...	...	357.46	...	...	...
		Total ...	...	30	1	...	...	...	357.46	...	...	681.15

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

YEAR 1900.		TOTAL PREVIOUS TO 1900.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1900.
Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	
ozs. 564.70	...	...	ozs. 15.00	tons. 962.25	ozs. 2,261.10	...	...	ozs. 15.00	tons. 1,224.25	ozs. 2,825.80	...	£ s. d.
...
17.70	3.21	...	...	49.50	152.15	3.07	...	...	55.00	169.85	3.08	...
31.10	5.18	...	...	...	...	...	...	...	6.00	31.10	5.18	...
...	...	...	...	20.00	56.62	2.83	...	...	20.00	56.62	2.83	...
...	...	...	...	181.00	502.25	2.77	...	...	181.00	502.25	2.77	...
...	...	...	...	17.25	35.20	2.04	...	...	17.25	35.20	2.04	...
...	...	...	...	223.60	189.90	.84	...	...	223.60	189.90	.84	...
64.55	...	...	...	70.20	369.80	5.26	...	...	82.20	434.35	5.28	...
...	...	...	...	172.00	149.85	.87	...	...	172.00	149.85	.87	...
...	...	...	...	85.40	40.70	.47	...	...	85.40	40.70	.47	...
...	...	...	...	170.00	202.75	1.19	...	...	170.00	202.75	1.19	...
...	...	...	...	190.00	224.40	1.18	...	...	190.00	224.40	1.18	...
...
...	...	...	...	44.25	84.00	1.89	...	...	44.25	84.00	1.89	...
334.95	3.66	...	...	...	...	...	...	...	91.30	334.95	3.66	4 2 10
232.05	1.85	...	...	...	...	...	...	...	125.15	232.05	1.85	4 1 7
70.50	.46	...	...	1,389.00	1,415.15	1.01	...	...	1,541.00	1,485.65	.96	...
...
67.30	1.60	...	...	...	...	...	...	...	42.00	67.30	1.60	...
79.30	1.34	...	...	...	...	...	...	...	59.00	79.30	1.34	...
162.00	3.48	...	...	...	...	...	...	...	46.50	162.00	3.48	...
...	...	...	...	17.00	59.50	3.50	...	...	17.00	59.50	3.50	...
...	...	...	...	...	10.55	...	...	...	...	10.55	...	...
...	...	...	...	28.00	14.00	.50	...	...	28.00	14.00	.50	...
...	...	...	...	16.00	108.10	6.75	...	...	16.00	108.10	6.75	...
...	...	...	...	121.00	421.10	3.48	...	...	121.00	421.10	3.48	...
...	...	...	...	22.00	63.00	2.86	...	...	22.00	63.00	2.86	...
414.35	4.65	...	...	...	...	...	...	...	89.00	414.35	4.65	4 2 6
...	...	...	...	170.50	634.45	3.72	...	...	170.50	634.45	3.72	...
...	...	...	...	17.00	39.50	2.32	...	...	17.00	39.50	2.32	...
2,433.30	...	112.50	38.45	1,258.70	3,053.50	...	112.50	49.45	2,267.30	5,486.80	...	...
20.00	...	...	...	...	...	...	...	...	25.00	20.00	...	...
...	...	1,617.29	...	...	...	...	1,644.29	...	...	...	...	...
4,491.80	2.33	1,729.79	53.45	5,224.65	10,087.57	1.93	1,756.79	64.45	7,148.70	14,579.37	2.03	...

Goldfield.

YEAR 1900.		TOTAL PREVIOUS TO 1900.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1900.
Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	
ozs. ...	...	...	...	tons. 8.00	ozs. 6.00	.75	...	...	tons. 8.00	ozs. 6.00	.75	£ s. d.
...	...	...	...	16.00	26.80	1.67	...	...	16.00	26.80	1.67	...
...	...	...	...	9.00	27.10	3.01	...	...	9.00	27.10	3.01	...
139.06	1.10	...	...	91.00	226.00	2.48	...	...	217.00	365.06	1.68	3 9 6
...	...	...	...	89.00	94.67	1.06	...	...	89.00	94.67	1.06	...
3.85	...	...	...	...	...	...	...	...	9.00	3.85	...	...
11.95	1.59	...	...	...	...	...	...	...	7.50	11.95	1.59	...
...	...	...	...	11.00	8.24	.74	...	...	11.00	8.24	.74	...
56.21	1.00	...	...	36.85	56.77	1.54	...	...	92.60	112.98	1.22	...
...	...	...	...	24.00	263.00	...	...	...	24.00	263.00	...	...
...	...	...	...	24.00	35.00	1.45	...	...	24.00	35.00	1.45	...
...	...	...	...	100.00	32.00	.32	...	...	100.00	32.00	.32	...
...	...	...	...	1,000.00	987.13	.98	...	...	1,000.00	987.13	.98	...
...	...	...	...	20.00	17.33	.86	...	...	20.00	17.33	.86	...
...	...	...	...	35.00	26.00	.74	...	...	35.00	26.00	.74	...
343.32	.71	...	...	336.80	667.10	1.98	...	...	813.80	1,010.42	1.24	3 9 5
...	...	...	...	31.00	25.76	.83	...	...	31.00	25.76	.83	...
...	...	...	...	10.90	125.00	...	...	...	10.90	125.00	...	...
41.80	7.08	...	...	...	...	...	...	...	5.90	41.80	7.08	...
...	...	...	...	8.45	100.50	...	...	...	8.45	100.50	...	...
...	...	735.07	...	...	...	...	735.07	...	...	...	...	...
...	...	...	...	...	...	...	357.46	...	...	...	...	...
596.19	.87	735.07	...	1,851.00	2,724.40	1.47	1,092.53	...	2,532.15	3,320.59	1.31	...

TABLE IV.—Return of all
Ashburton

MINING CENTRE.	NUMBER OF LEASE.	REGISTERED NAME OF LEASE OR COMPANY.	Area in Acres.	PARTICULARS OF PLANT.							TOTAL FOR								
				Milling.			Cyaniding.				Alluvial.	Dollied and Specimens.	Ore treated.						
				Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.	tons.				tons.	tons.				
Mt. Mortimer	Sundry Claims	tons.	tons.
Alluvial	From Goldfield generally—		
Total		
											1,704'00	...	...				
											1,704'00	...	...				

Gascoyne

MINING CENTRE.	NUMBER OF LEASE.	REGISTERED NAME OF LEASE OR COMPANY.	Area in Acres.	PARTICULARS OF PLANT.							TOTAL FOR								
				Milling.			Cyaniding.				Alluvial.	Dollied and Specimens.	Ore treated.						
				Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.	tons.				tons.	tons.				
Bangemall ...	M.A. 1 ...	Bangemall Public Crushing Co.	...	...	t1	...	tons.	tons.	...	...	...	...	...	...	...	...	...	...	...
Do.	1	Carnarvon Gem	24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Do.	4	Boss	Abd.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Do.	6	Eldorado	12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Do.	...	Sundry Claims	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Alluvial	From Goldfield generally—			...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Notices of Purchase	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total			...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
											74'00	...	...				
											74'00	...	...				

Peak Hill

MINING CENTRE.	NUMBER OF LEASE.	REGISTERED NAME OF LEASE OR COMPANY.	Area in Acres.	PARTICULARS OF PLANT.							TOTAL FOR								
				Milling.			Cyaniding.				Alluvial.	Dollied and Specimen.	Ore treated.						
				Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.	tons.				tons.	tons.				
Horseshoe ...	14P	Brilliant	12	...	...	...	tons.	tons.	...	...	...	...	...	...	...	...	...	...	...
Do.	45P	Brilliant Central	18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Do.	49P	Brilliant Central Extended	12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Do.	51P	Glenrowan	12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Do.	100P	Glenrowan South	12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Peak Hill	108P	Blue Bell	12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	56'00
Do.	10P	Christmas Gift	Surr.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Do.	73P (10P)	Christmas Gift	Ftd.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Do.	98P	Emerald	12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	71'00
Do.	55P	Golden Treasure	18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	197'00
Do.	193P	Golden Treasure Consols	12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	136'00
Do.	56P	Golden Treasure East	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	91'00
Do.	97P	Golden Treasure Extended	12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	18'00
Do.	59P	Jubilee	12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	846'10
Do.	67P	Jubilee North	24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	67'00
Do.	240P	May Day	18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	10'00
Do.	34P	Mt. Fraser	9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	52'00
Do.	150P	Mt. Pleasant	24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	322'50
Do.	151P	Mt. Pleasant Extended	12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	66'00
Do.	1P	(North Star)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Do.	1/6P, 8P, 9P, 13P, 15/6P, 26/9P, 35/6P, 43P, 53/4P, 63P, 146P, 190P, 222P, R.C. 1P, Q.Cs., 13/4P, T.A. 1P, M.As. 1P, 4P	Peak Hill Goldfields, Ltd.	a. r. p. 174 1 5	30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Do.	204P	Perseverance	Ftd.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	101'00
Do.	...	Sundry Claims	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Ravelstone	...	Government Public Battery	...	10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Do.	60P	Ravelstone	12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	17'00
Do.	238P	Ravelstone Consols West	10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	10'00
Wilson's Find	233P	Wilson's Find	18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	24'85
From Goldfield generally—			...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sundry parcels treated at Peak Hill Consols Battery			...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total			...	40	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
											24'85	...	16,254'60						

Ore Treated, etc.—continued.

Goldfield.

YEAR 1900.		TOTAL PREVIOUS TO 1900.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1900.
Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	
ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	£ s. d.
...	...	374'00	340'00	...	...	...	374'00	340'00	...	...	...
...	...	1,748'68	...	...	...	...	3,452'68	...	...	...	...
...	...	2,122'68	340'00	...	...	...	3,826'68	340'00	...	...	...

Goldfield.

YEAR 1900.		TOTAL PREVIOUS TO 1900.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1900.
Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	
ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	£ s. d.
...	
...	6'80	176'35	154'20	'87	...	6'80	176'35	154'20	'87	
...	19'35	24'94	1'28	...	...	19'35	24'94	1'28	
...	41'00	41'95	1'02	...	...	41'00	41'95	1'02	
...	13'50	...	...	...	...	13'50	...	...	...
...	...	101'00	...	...	...	...	175'00	...	...	...	...
...	...	18'43	...	...	...	...	18'43	...	...	...	...
...	...	119'43	20'30	236'70	221'09	'93	193'43	20'30	236'70	221'09	'93	

Goldfield.

YEAR 1900.		TOTAL PREVIOUS TO 1900.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1900.
Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	
ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	£ s. d.
...	...	...	297'00	... '08	81'00	...	...	297'00	... '08	81'00	...	
...	...	...	343'75	...	20'70	...	...	343'75	...	20'70	...	
...	...	...	87'25	... '01	33'10	...	...	87'25	... '01	33'10	...	
...	...	...	2'55	...	...	...	...	2'55	...	...	...
...	...	...	2'90	...	...	...	...	2'90	...	...	...
27'10	'48	...	...	...	...	...	...	...	56'00	27'10	'48	3 16 0
...	...	...	...	118'00	299'00	2'53	...	...	118'00	299'00	2'53	
...	...	...	38'75	10'00	268'60	...	...	38'75	10'00	268'60	...	
62'65	'88	...	...	...	...	...	...	...	71'00	62'65	'88	
133'45	'67	...	...	11'00	13'60	1'23	...	...	208'00	147'05	'70	
144'70	1'06	...	...	...	...	...	...	...	136'00	144'70	1'06	3 19 4
24'97	'27	...	...	...	9'75	1'47	...	...	100'75	39'32	'39	
48'07	2'67	...	...	...	...	...	...	...	18'00	48'07	2'67	
757'42	'89	...	...	57'00	92'00	1'61	...	...	903'10	849'42	'94	2 15 2
209'40	3'12	...	...	...	...	...	...	...	67'00	209'40	3'12	
11'18	1'11	...	...	...	...	...	...	...	10'00	11'18	1'11	
49'25	'94	...	...	...	...	...	...	...	52'00	49'25	'94	
494'52	1'53	...	...	...	...	...	...	...	322'50	494'52	1'53	3 18 6
41'49	'62	...	...	...	...	...	...	...	66'00	41'49	'62	
...	...	...	169'60	...	...	...	...	...	169'60	...	...
24,488'00	1'72	...	200'00	17,535'35	61,158'51	3'48	...	200'00	31,719'35	85,646'51	2'70	4 1 4
...	...	...	...	1,064'00	903'20	'84	...	...	1,064'00	903'20	'84	
...	†	†	...	
9'47	'09	...	...	...	...	...	...	...	101'00	9'47	'09	
...	...	...	104'65	...	...	...	...	...	104'65	...	...
...	
15'02	'88	...	...	...	...	...	...	...	17'00	15'02	'88	
2'99	'29	...	...	...	...	...	...	...	10'00	2'99	'29	
27'10	2'71	...	...	...	...	...	...	24'85	10'00	27'10	2'71	
...	...	...	...	30'00	194'25	...	...	...	30'00	194'25	...	
26,546'78	1'63	...	1,246'45	18,835'19	†63,078'31	3'34	...	1,271'30	35,089'79	†89,625'09	2'55	

† Also 4,551'60ozs. from unknown tons.

TABLE IV.—Return of all

East Murchison

MINING CENTRE.	NUMBER OF LEASE.	REGISTERED NAME OF LEASE OR COMPANY.	Area in Acres.	PARTICULARS OF PLANT.							TOTAL FOR		
				Milling.		Cyaniding.					Alluvial.	Dolled and Specimens	Ore treated.
				Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.	ozs.				ozs.	tons.
Black Range ...	P.A. 22 ...	Earlesville ...	...	...	pr.1	...	tons.	tons.	...	ozs.	ozs.	tons.
Do. ...	...	Sundry Claims ...	...	...	...	...	...	...	...	...	...	45'00
Kathleen Valley	490 ...	Baringo ...	6	...	...	...	...	...	...	...	...	100'00
Do. ...	396 ...	Carysfort ...	12	...	...	...	...	...	...	...	...	96'00
Do. ...	353 ...	Legal Right ...	Ftd.	...	...	...	...	...	...	...	...	...
Do. ...	113 ...	Nil Desperandum ...	24	...	...	...	...	...	...	...	...	500'00
Do. ...	398 (353) ...	Mt. Pascoe Perseverance ...	V.N.P.	...	...	...	...	...	...	...	...	47'00
Do. ...	360 ...	Pascoe Pride ...	6	...	...	...	...	...	...	...	...	...
Do. ...	420 ...	Sulphide King ...	V.N.P.	...	...	...	...	...	...	...	...	40'00
Do. ...	382 ...	Yellow Aster ...	18	10	...	...	...	...	...	...	...	3,237'00
Do. ...	...	Sundry Claims ...	...	...	...	...	...	...	...	...	...	38'00
Lake Darlôt	81 ...	A1 ...	V.N.P.	...	...	...	...	...	...	...	...	...
Do. ...	182 ...	Amazon ...	12	...	...	...	...	...	...	...	...	108'00
Do. ...	93 ...	Ballangarry ...	18	...	...	...	...	...	...	...	...	...
Do. ...	187 ...	Ballangarry Extended ...	Abd.	...	...	...	...	...	...	...	...	...
Do. ...	306 ...	British King East ...	Ftd.	...	...	...	...	...	...	...	...	...
Do. ...	2 ...	British King No. 1 West ...	12	...	...	...	...	...	...	...	...	...
Do. ...	355 ...	Darlôt Brown Hill ...	V.N.P.	...	...	...	...	...	...	...	...	...
Do. ...	M.A. 8 ...	Darlôt Public Battery ...	...	10	...	...	...	...	...	...	...	...
Do. ...	321 ...	Homeward Bound G.M. Co., Ltd.	V.N.P.	...	...	...	...	...	...	...	...	...
Do. ...	345 ...	Ironclad ...	Abd.	...	...	...	...	...	...	...	...	...
Do. ...	330 ...	King of the Hills ...	Abd.	...	...	...	...	...	...	...	...	...
Do. ...	375 (330) ...	King of the Hills ...	12	...	...	...	...	...	...	65'50	...	...
Do. ...	322 ...	Kyneton ...	Abd.	...	...	...	...	...	...	...	...	...
Do. ...	349 ...	Lass o' Gowrie ...	Abd.	...	...	...	...	...	...	...	...	...
Do. ...	337 ...	Morning Light ...	12	...	...	...	...	...	...	...	...	19'50
Do. ...	97 ...	Pride of Darlôt ...	V.N.P.	...	...	...	...	...	...	...	...	...
Do. ...	329 ...	Rise and Shine ...	12	...	...	...	...	...	...	90'00	...	...
Do. ...	324 ...	Shamrock ...	V.N.P.	...	...	...	...	...	...	...	...	...
Do. ...	273 ...	St. George ...	12	...	...	...	...	...	...	64'45	...	31'00
Do. ...	363 ...	Waikato ...	6	...	...	...	...	...	...	...	...	289'00
Do. ...	...	Sundry Claims ...	...	...	...	...	...	...	...	39'83	...	13'50
Lake Way	170 ...	Black Swan ...	24	...	...	...	...	...	...	...	...	...
Do. ...	332 ...	Black Swan North ...	12	...	...	...	...	...	...	...	...	...
Do. ...	143 ...	Brothers ...	18	...	...	...	...	...	...	...	...	52'00
Do. ...	161 ...	Caledonia ...	12	...	...	...	...	...	...	...	...	...
Do. ...	169 ...	Dark Horse ...	18	...	...	...	...	...	...	...	...	...
Do. ...	149 ...	Derwent ...	12	...	...	...	...	...	...	...	...	...
Do. ...	316 ...	Essex ...	12	...	...	...	...	...	...	...	...	...
Do. ...	312 ...	Ethelstone ...	12	...	...	...	...	...	...	...	...	...
Do. ...	153 ...	Federal... ..	V.N.P.	...	...	...	...	...	...	...	...	...
Do. ...	340 ...	Gem ...	V.N.P.	...	...	...	...	...	...	...	...	...
Do. ...	140 ...	Golden Age, Lake Way, Ltd.	18	10	...	...	...	...	...	...	...	9,066'00
Do. ...	311 ...	Golden Age North No. 1 ...	V.N.P.	...	...	...	...	...	...	...	...	...
Do. ...	139 ...	Golden Age South ...	V.N.P.	...	...	...	...	...	...	...	...	...
Do. ...	380 (139) ...	Golden Age South ...	12	...	...	...	...	...	...	...	...	...
Do. ...	227 ...	Inverness ...	V.N.P.	...	...	...	...	...	...	...	...	...
Do. ...	335 ...	Lake Way Consols ...	12	...	...	...	...	...	...	...	...	...
Do. ...	342 ...	Lake Way Consols Extended ...	12	...	...	...	...	...	...	...	...	...
Do. ...	{ 149, 161, 169, 170, 184, 312, 332/3, 358, 378/9 ... }	Lake Way Goldfields, 1899, Ltd.	...	10	...	2	42	1,000	...	...	...	2,540'00
Do. ...	237 ...	Lake Way Queen ...	V.N.P.	...	...	...	...	...	...	...	...	...
Do. ...	314 ...	Lawless ...	12	...	...	...	...	...	...	...	...	...
Do. ...	413 ...	Little Wonder ...	12	...	...	...	...	...	...	...	...	30'00
Do. ...	333 ...	Monarch and Derwent United ...	24	...	...	...	...	...	...	...	...	...
Do. ...	328 ...	Monarch North ...	V.N.P.	...	...	...	...	...	...	...	...	...
Do. ...	137 ...	Monarch of the East ...	a. r. p. 22 3 23	10	...	3	25	375	...	...	...	2,333'00
Do. ...	403 ...	Off Chance ...	5	...	...	...	...	...	...	...	...	37'00
Do. ...	159 ...	Queen of Lake Way ...	Ftd.	...	...	...	...	...	...	...	...	...
Do. ...	326 ...	Weelona ...	24	...	pr.1	...	...	...	...	...	...	...
Do. ...	162 ...	W.A. Goldfields, Ltd.	24	10	{ pr.1 } { a. 1 }	...	...	...	...	...	...	1,410'00
Do. ...	...	Sundry Claims ...	...	...	...	...	...	...	...	...	...	73'00
Lawlers	338 ...	Admiral Dewey ...	V.N.P.	...	...	...	...	...	...	...	...	...
Do. ...	386 ...	Birthday ...	5	...	...	...	...	...	...	...	...	124'00
Do. ...	19 ...	Bounty ...	6	...	...	...	...	...	...	...	...	140'00
Do. ...	414 ...	Bounty South ...	6	...	...	...	...	...	...	...	...	176'00
Do. ...	443 ...	Bounty Extended ...	6	...	...	...	...	...	...	...	...	15'00
Do. ...	343 ...	British-American Alliance ...	12	...	...	...	...	...	...	...	...	...
Do. ...	214 ...	Caroline ...	12	10	...	...	...	...	...	...	...	435'00
Do. ...	348 ...	Caroline Baker ...	Abd.	...	...	...	...	...	...	...	...	...
Do. ...	384 ...	Cinderella ...	Surr.	...	...	...	...	...	...	...	...	296'00
		Carried forward ...	...	70	4	5	...	...	...	259'78	...	21,384'00

Ore Treated, etc.—continued.

Goldfield.

YEAR 1900.		TOTAL PREVIOUS TO 1900.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1900.
Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	
ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	£ s. d.
35.32	.78	...	...	...	...	...	...	...	45.00	35.32	.78	
69.57	...	...	...	53.65	86.50	...	...	...	146.65	156.07	...	
102.65	1.02	...	...	...	...	...	...	...	100.00	102.65	1.02	
86.72	.90	...	5.15	...	...	...	...	5.15	96.00	86.72	.90	3 16 2
...	...	...	...	21.00	6.40	.30	...	...	21.00	6.40	.30	
398.50	.79	...	...	97.00	236.08	2.43	...	...	597.00	634.58	1.06	3 16 2
33.03	.70	...	...	...	...	...	...	...	47.00	33.03	.70	
...	...	...	15.00	32.00	67.70	2.11	...	15.00	32.00	67.70	2.11	
16.00	.40	...	...	...	...	...	...	...	40.00	16.00	.40	
5,330.35	1.64	...	...	...	...	...	...	...	3,237.00	5,330.35	1.64	3 16 0
20.47	...	...	...	...	...	...	...	...	38.00	20.47	...	
...	...	...	...	245.00	214.91	.87	...	...	245.00	214.91	.87	
222.85	2.06	...	9.00	497.50	780.42	1.56	...	9.00	605.50	1,003.27	1.65	3 12 4
...	...	...	...	575.00	633.73	1.10	...	...	575.00	633.73	1.10	
...	...	...	...	13.00	4.85	.37	...	...	13.00	4.85	.37	
...	...	...	...	524.00	508.89	.97	...	...	524.00	508.89	.97	
...	...	...	...	470.50	689.24	1.46	...	...	470.50	689.24	1.46	
...	...	...	...	6.00	2.25	.37	...	...	6.00	2.25	.37	
...	
...	...	...	...	83.95	212.18	2.52	...	...	83.95	212.18	2.52	
...	...	...	155.92	...	...	...	...	155.92	...	...	...
...	...	...	16.85	33.50	86.93	2.59	...	16.85	33.50	86.93	2.59	
...	...	...	25.14	...	...	...	...	90.64	...	...	...
...	...	...	...	20.00	23.20	1.16	...	...	20.00	23.20	1.16	
...	...	...	2.50	...	...	...	...	2.50	...	...	...
34.50	1.76	...	...	94.50	159.43	1.68	...	...	114.00	193.93	1.70	3 15 6½
...	...	...	...	219.25	260.82	1.18	...	...	219.25	260.82	1.18	
...	...	...	163.22	...	...	...	...	253.22	...	...	...
...	...	...	...	5.50	9.56	1.73	...	...	5.50	9.56	1.73	
52.30	1.68	...	1,325.10	98.50	123.61	1.25	...	1,389.55	129.50	175.91	1.35	3 17 11
361.20	1.24	...	...	332.50	527.14	1.58	...	...	621.50	888.34	1.42	3 10 3¼
17.50	...	...	172.28	389.94	224.82	...	...	212.11	403.44	242.32	...	
...	...	...	...	77.00	225.54	2.92	...	...	77.00	225.54	2.92	
...	...	...	...	14.50	24.60	1.69	...	...	14.50	24.60	1.69	
81.60	1.56	...	...	258.00	337.50	1.30	...	...	310.00	419.10	1.35	
...	...	...	...	294.00	318.42	1.08	...	...	294.00	318.42	1.08	
...	...	...	...	274.15	635.92	2.31	...	...	274.15	635.92	2.31	
...	...	...	...	164.30	404.61	2.46	...	...	164.30	404.61	2.46	
...	...	...	...	322.00	449.15	1.39	...	...	322.00	449.15	1.39	
...	...	...	...	18.00	9.25	.51	...	...	18.00	9.25	.51	
...	...	...	...	135.00	84.90	.62	...	...	135.00	84.90	.62	
...	...	...	...	326.55	353.00	1.08	...	...	326.55	353.00	1.08	
5,302.42 pl. 1,143.76	.71	...	...	1,351.00	1,282.11	.94	...	...	10,417.00	7,728.29	.74	3 11 8
...	...	...	44.00	10.00	62.00	6.20	...	44.00	10.00	62.00	6.20	
...	...	...	...	36.00	6.80	.18	...	...	36.00	6.80	.18	
...	...	...	...	133.00	308.00	2.31	...	...	133.00	308.00	2.31	
...	...	...	...	37.75	6.00	.15	...	...	37.75	6.00	.15	
...	...	...	...	38.00	28.50	.75	...	...	38.00	28.50	.75	
...	...	...	...	77.00	131.00	1.70	...	...	77.00	131.00	1.70	
{ 3,113.23 pl. 43.65 }	1.24	...	...	...	...	...	...	...	2,540.00	3,156.88	1.24	3 14 0
...	...	...	2.50	58.00	52.75	.90	...	2.50	58.00	52.75	.90	
...	...	...	553.90	38.00	18.00	.47	...	553.90	38.00	18.00	.47	
17.75	.59	...	...	10.00	3.35	.33	...	...	30.00	17.75	.59	
...	...	...	...	69.00	21.50	.31	...	...	10.00	3.35	.33	
...	...	...	...	...	...	...	...	...	69.00	21.50	.31	
2,142.75	.91	...	...	2,515.00	2,097.10	.83	...	...	4,848.00	4,239.85	.87	3 5 0
18.45	.49	...	...	...	...	...	...	...	37.00	18.45	.49	
...	...	...	...	50.00	25.00	.50	...	...	50.00	25.00	.50	
...	...	...	17.17	261.00	567.86	2.17	...	17.17	261.00	567.86	2.17	
641.52	.45	...	...	1,376.00	921.17	.66	...	...	2,786.00	1,562.69	.56	
89.05	...	...	...	671.65	543.17	...	...	...	744.65	632.22	...	
...	...	...	...	68.00	77.00	1.13	...	...	68.00	77.00	1.13	
120.32	.96	...	...	57.50	74.50	1.29	...	...	181.50	194.82	1.07	
197.20	1.40	...	...	...	...	...	...	...	140.00	197.20	1.40	
153.25	.87	...	...	269.35	544.20	2.02	...	...	445.35	697.45	1.56	
4.60	.30	...	...	...	...	...	...	...	15.00	4.60	.30	
...	...	...	88.53	27.00	33.85	1.25	...	88.53	27.00	33.85	1.25	
112.76	.25	...	...	...	...	...	...	...	435.00	112.76	.25	
...	...	...	...	9.00	10.27	1.14	...	...	9.00	10.27	1.14	
381.25	1.28	...	...	123.75	217.61	1.17	...	...	419.75	598.86	1.42	3 19 0
20,344.52	...	...	2,596.26	12,981.79	14,733.29	...	...	2,856.04	34,365.79	35,077.81	...	

Ore Treated, etc.—continued.

Goldfield—continued.

YEAR 1900.		TOTAL PREVIOUS TO 1900.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1900.
Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	
ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	£ s. d.
20,344·52	...	...	2,596·26	12,981·79	14,733·29	...	...	2,856·04	34,365·79	35,077·81	...	
665·55	·88	...	...	...	...	...	...	...	748·00	665·55	·88	3 19 0
27·00	·41	...	...	...	...	...	...	...	65·00	27·00	·41	
79·80	2·10	...	...	...	...	...	...	...	38·00	79·80	2·10	
138·25	1·05	...	...	75·00	98·16	1·30	...	...	206·00	236·41	1·14	3 19 2
25·22	1·00	...	...	...	...	...	...	...	25·00	25·22	1·00	
31·40	·54	...	...	48·00	48·06	1·00	...	...	106·00	79·46	·74	
26,075·38	1·31	...	...	41,320·00	52,748·37	1·27	...	...	61,134·00	78,823·75	1·28	3 17 0
...	...	...	...	35·50	21·85	·61	...	...	35·50	21·85	·61	
649·75	1·37	...	...	718·00	679·68	·94	...	...	1,190·00	1,329·43	1·11	3 18 3½
...	...	...	...	8·00	23·00	2·87	...	...	8·00	23·00	2·87	
...	...	...	...	108·00	53·77	·49	...	...	108·00	53·77	·49	
132·52	6·02	...	...	644·50	884·98	1·37	...	...	666·50	1,017·50	1·52	
...	
71·55	2·55	...	...	...	...	...	...	1·50	28·00	71·55	2·55	
...	...	...	...	5,396·00	5,322·54	·98	...	...	5,396·00	5,322·54	·98	
...	
1,789·90	3·00	...	...	...	...	...	...	...	596·00	1,789·90	3·00	3 14 2
...	...	...	...	2,438·50	3,064·58	1·25	...	...	2,438·50	3,064·58	1·25	
238·42	2·02	...	...	150·60	186·70	1·23	...	...	268·10	425·12	1·58	
199·30	1·16	...	...	11·00	12·91	1·17	...	...	182·00	212·21	1·16	
588·70	1·60	...	...	...	...	...	...	...	366·00	588·70	1·60	3 14 2
51·50	1·03	...	...	36·25	34·68	·95	...	...	86·25	86·18	·99	
651·05	1·46	...	...	326·30	407·87	1·24	...	...	770·30	1,058·92	1·37	3 10 1
19·85	·79	...	4·98	171·85	341·81	1·98	...	4·98	196·85	361·66	1·83	
5·48	·45	...	...	...	...	...	...	...	12·00	5·48	·45	
62·50	·85	...	...	...	...	...	...	...	73·00	62·50	·85	
...	...	...	...	111·00	66·55	·59	...	...	111·00	66·55	·59	
...	...	...	...	60·00	41·10	·68	...	...	60·00	41·10	·68	
153·00	1·53	...	200·00	35·00	128·87	3·68	...	200·00	135·00	281·87	2·87	
...	...	...	...	128·20	37·09	·28	...	...	128·20	37·09	·28	
...	...	...	...	209·00	219·85	1·05	...	...	209·00	219·85	1·05	
1,925·67	·78	...	...	435·00	306·00	·70	...	...	2,890·00	2,231·67	·77	3 16 6½
263·79	...	...	49·25	955·65	1,169·12	...	...	49·25	1,278·15	1,432·91	...	
...	...	...	...	803·00	777·35	·96	...	...	803·00	777·35	·96	
...	...	...	66·35	...	...	...	...	66·35	...	...	...
...	...	...	...	494·50	376·63	...	...	...	494·50	376·63	...	
...	...	...	...	...	...	...	...	10·00	...	...	...
{ 8,308·30 } { pt.191·01 }	1·05	...	...	15,169·00	14,682·73	·96	...	...	23,257·00	23,182·04	·99	3 8 0
...	...	...	...	42·00	18·67	·44	...	...	42·00	18·67	·44	
...	...	...	...	20·00	28·27	1·41	...	...	20·00	28·27	1·41	
242·80	·88	...	...	...	...	...	...	...	275·00	242·80	·88	
...	...	...	...	343·00	463·47	1·35	...	...	343·00	463·47	1·35	
...	
...	...	...	...	90·00	48·60	·54	...	...	90·00	48·60	·54	
116·15	1·48	...	...	1,164·00	574·49	·49	...	...	1,164·00	574·49	·49	
281·60	·48	...	...	539·00	396·28	·73	...	...	78·00	116·15	1·48	
255·10	...	...	...	539·00	396·28	·73	...	...	1,124·00	677·88	·60	
42·25	3·01	...	17·97	500·50	741·01	...	...	17·97	839·50	996·11	...	
...	...	...	109·00	...	...	...	...	113·00	14·00	42·25	3·01	
...	...	...	...	38·00	88·90	2·33	...	...	38·00	88·90	2·33	
...	...	...	...	19·10	31·52	1·65	...	...	19·10	31·52	1·65	
...	...	...	...	1,619·50	799·80	·49	...	...	1,619·50	799·80	·49	
37·00	1·60	...	...	62·00	73·90	1·19	...	...	85·00	110·90	1·30	3 17 6
15·05	...	...	...	1·00	6·70	...	...	4·85	5·00	21·75	...	
...	...	...	...	37·00	16·79	...	...	...	37·00	16·79	...	
...	...	2,777·34	...	...	...	...	3,455·24	...	...	...	...
...	...	113·20	...	...	...	...	173·84	...	...	...	...
63,679·36	1·11	2,890·54	3,043·81	87,344·74	99,755·94	1·14	3,629·08	3,323·94	144,267·74	163,435·30	1·13	

TABLE IV.—Return of all

Murchison

CUE

MINING CENTRE.	NUMBER OF LEASE.	REGISTERED NAME OF LEASE OR COMPANY.	Area in Acres.	PARTICULARS OF PLANT.							TOTAL FOR				
				Milling.		Cyaniding.					Alluvial.	Dollied and Specimens	Ore treated.		
				Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.	ozs.				ozs.	tons.
Cuddingwarra...	1166	Amy Florence	Abd.												176'00
Do.	867	Black Swan	V.N.P.												
Do.		Do.													
Do.	846	Blue Bell	V.N.P.												
Do.	925, 929, 947/9	Blue Bell Propy. Co., Ltd.	V.N.P.												
Do.	1055	Bonanza	Abd.												
Do.	252 (818, 1082)	City of Chester G.Ms., Ltd.	12	5											90'00
Do.	1235	City of Sydney	Abd.												95'00
Do.	634, 736, 1042	Cuddingwarra G.Ms., Ltd.	33		51	4	50	800							100'00
Do.	386	Fairlight	V.N.P.												
Do.	95	Fortune of War G.M. Co., N.L.	Ftd.												
Do.	873	Golden Fleece	Ftd.												
Do.	968	Greymouth	V.N.P.												
Do.	716	Kallara	V.N.P.												
Do.	1160 (386)	Laura	Abd.												
Do.	790	Lady Rosie	Ftd.												
Do.	505	Moonlight	Canc.												
Do.	1146 (1120)	Oxonian	V.N.P.												23'00
Do.	1238 (1166)	Rose	Surr.												10'00
Do.	1215	Venus	Abd.										10'40		
Do.	595, 671, 1104, 1122	Victory United G.M. Co., N.L.	39	10		4	30	600							485'00
Do.	1120 (873)	Windmill	Abd.												
Do.		Sundry Claims (Agamemnon Ltd.)													40'00
Cue	483, 1046/7	Agamemnon Ltd.													359'00
Do.	1047	Agamemnon	21												134'00
Do.	691, 836	Anglo-Westralian and General Explorations, Ltd.	Abd.												
Do.	640, 811	Arcadian leases	12												65'00
Do.	1179	Arcadia North	Ftd.												6'00
Do.	750	Ashbourne G.M., Ltd.	Ftd.												
Do.	789	Belgravia Central	V.N.P.												
Do.	1056/7	Belgravia leases	V.N.P.												
Do.	1109	Buttercup	Abd.												
Do.	1068 (1100/1)	Caledonian Hill	18												18'00
Do.	1234	Comforter	a. r. p. 3 1 16												29'00
Do.	1088	Catalpa	V.N.P.												
Do.	1089	Catalpa South	Abd.												
Do.	764	City of St. Petersburg	Ftd.												
Do.	1061	Conscript	V.N.P.												
Do.	1066	Countess	Ftd.												
Do.	1212 (1066)	Countess	12												10'00
Do.	60, 170, 203, 674, 1148	(Cue Consolidated G.Ms., Ltd.)		15	71										434'50
Do.	(674)	Cue Consolidated G.Ms., Ltd.		10											
Do.	(964)	Cue Consolidated G.Ms., Ltd.		10											
Do.	T.A. 12	Cue Gold Recovery Co., Ltd.				4	40	960							
Do.	M.A. 5	Cue Public Battery Co., Ltd.		10											
Do.	1174	Cue Victory G.Ms., Ltd.	18	10		4	40	960							
Do.	1115 (697)	Deceiver	9												172'00
Do.	1213	Deceiver North	6												44'00
Do.	1022	Duke of York	V.N.P.												
Do.	248, 663	Eclipse leases	Ftd.												142'00
Do.	1216	Gem	6												32'00
Do.	523, 1020, 1044, 1127, 1152	Gem of Cue, Ltd.	35	15											5,850'00
Do.	(1134)	Gem of Murchison G.Ms., Ltd.		10											
Do.	538, 993, M.A. 18	Gem of Murchison G.Ms., Ltd.	V.N.P.												
Do.	178	George Higinbotham	Ftd.												27'50
Do.	1149	Golden Crow's Nest	Abd.												
Do.	1111	Golden Garter	Abd.												
Do.	1220	Golden Gem	6												10'00
Do.	889	Golden Leaf	V.N.P.												
Do.	711	Golden Stream Extended	6												830'00
		Carried forward		95	2	16							10'40		9,182'00

Ore Treated, etc.—continued.

Goldfield.

DISTRICT.

YEAR 1900.		TOTAL PREVIOUS TO 1900.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1900.
Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	
ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	£ s. d.
242.70	1.37	...	...	...	...	...	...	...	176.00	242.70	1.37	
...	...	...	...	60.00	10.00	.16	...	...	60.00	10.00	.16	
...	...	...	...	72.00	17.75	.24	...	...	72.00	17.75	.24	
...	...	...	...	84.00	269.00	3.20	...	...	84.00	269.00	3.20	
...	...	...	...	42.00	42.00	1.00	...	...	42.00	42.00	1.00	
36.00	.40	...	...	319.00	256.00	.80	...	...	409.00	292.00	.71	
95.00	1.00	...	...	...	...	...	...	...	95.00	95.00	1.00	3 17 0
{ 1,101.52	...	...	...	4,333.50	3,509.80	.80	...	...	4,433.50	4,626.87	1.04	3 15 0
{ 15.55 }	...	...	...	150.00	79.00	.52	...	...	150.00	79.00	.52	
...	...	...	...	2,231.00	2,247.78	1.00	...	...	2,231.00	2,247.78	1.00	
...	...	...	...	84.00	65.00	.77	...	...	84.00	65.00	.77	
...	...	...	...	170.00	492.00	2.89	...	...	170.00	492.00	2.89	
...	...	...	...	...	2.†	...	...	...	...	2.†	...	
...	...	...	...	130.00	25.80	.19	...	...	130.00	25.80	.19	
...	...	...	...	275.00	265.65	.96	...	...	275.00	265.65	.96	
...	...	...	...	15.50	6.23	.40	...	...	15.50	6.23	.40	
34.77	1.51	...	...	151.00	210.50	1.39	...	...	174.00	245.27	1.40	
2.90	.29	...	...	...	...	...	...	...	10.00	2.90	.29	
...	...	...	...	...	...	...	...	10.40	...	...	...
{ 1,984.11	...	...	...	6,830.00	16,209.97	2.37	...	...	7,315.00	18,299.03	2.50	
{ pl. 93.05	4.31	...	...	127.25	68.00	.53	...	...	127.25	68.00	.53	
{ 11.90 }	...	...	...	159.00	145.15	...	...	...	199.00	157.45	...	
...	...	...	...	6,694.50	4,828.31	.72	...	...	7,053.50	5,108.01	.72	
12.30	...	...	...	...	...	...	...	...	134.00	73.30	.54	
279.70	.77	...	...	74.00	61.00	.82	...	...	74.00	61.00	.82	
73.30	.54	...	...	...	...	...	...	...	...	...	...
...	
34.70	.53	...	...	2,208.50	1,751.57	.79	...	...	2,273.50	1,786.27	.78	3 16 4
1.25	.20	...	...	...	...	...	...	...	6.00	1.25	.20	
...	...	...	...	669.00	556.67	.83	...	...	669.00	556.67	.83	
...	...	...	111.50	179.50	120.56	.67	...	111.50	179.50	120.56	.67	
...	...	...	...	102.00	77.00	.75	...	...	102.00	77.00	.75	
...	...	...	...	100.00	64.00	.64	...	...	100.00	64.00	.64	
6.00	.33	...	40.00	47.00	49.85	1.06	...	40.00	65.00	55.85	.85	
...	
13.15	.45	...	...	...	...	...	...	...	29.00	13.15	.45	
...	...	...	...	208.50	80.68	.38	...	...	208.50	80.68	.38	
...	...	...	...	23.00	7.03	.30	...	...	23.00	7.03	.30	
...	...	...	...	10.00	5.00	.50	...	...	10.00	5.00	.50	
...	...	...	...	12.00	11.00	.91	...	...	12.00	11.00	.91	
...	...	...	...	408.00	386.92	.94	...	...	408.00	386.92	.94	
8.50	.85	...	...	...	...	...	...	...	10.00	8.50	.85	
526.46	1.21	...	...	22,993.00	19,509.33	.84	...	...	23,427.50	20,035.79	.85	3 18 8
...	
...	
...	...	...	...	6,528.00	4,093.93	.62	...	...	6,528.00	4,093.93	.62	
260.50	1.51	...	...	564.00	1,204.79	2.13	...	...	736.00	1,465.29	1.99	
76.70	1.74	...	...	...	...	...	...	...	44.00	76.70	1.74	3 18 0
...	...	...	...	30.00	30.00	1.00	...	...	30.00	30.00	1.00	
72.30	.50	...	...	488.00	262.01	.53	...	...	630.00	334.31	.53	
16.00	.50	...	...	...	...	...	...	...	32.00	16.00	.50	
3,550.45	.60	...	...	5,874.00	4,087.25	.68	...	...	11,724.00	7,587.70	.64	3 15 0
...	
...	...	...	...	60.00	39.00	.65	...	...	60.00	39.00	.65	
41.35	1.50	...	...	150.50	47.25	.31	...	...	178.00	88.60	.49	
...	...	...	...	10.00	.88	.08	...	...	10.00	.88	.08	
...	...	...	...	620.00	241.40	.38	...	...	620.00	241.40	.38	
5.20	.52	...	...	...	...	...	...	...	10.00	5.20	.52	
...	...	...	...	33.00	47.00	1.42	...	...	33.00	47.00	1.42	
983.40	1.18	...	...	297.00	484.78	1.63	...	...	1,127.00	1,468.18	1.30	4 0 11½
9,578.76	...	...	151.50	63,616.75	61,916.84	...	...	161.90	72,798.75	71,495.60	...	

† 128ozs. from unknown tons. †† 36ozs. from unknown tons.

TABLE IV.—Return of all

Murchison

CUE

MINING CENTRE.	NUMBER OF LEASE.	REGISTERED NAME OF LEASE OR COMPANY.	Area in Acres.	PARTICULARS OF PLANT.							TOTAL FOR		
				Milling.		Cyaniding.					Alluvial.	Dollied and Specimens	Ore treated.
				Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.	ozs.				ozs.	tons.
		Brought forward ...	...	95	2	16	...	...	...	...	...	10'40	9,182'00
Cue ...	882	Great White Eye ...	V.N.P.	...	...	...	...	...	...	...	...	...	17'00
Do. ...	1159	Hard Luck ...	5	...	...	...	...	...	...	...	...	...	46'00
Do. ...	718	Highland Mary ...	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do. ...	398	Homeward Bound ...	Ftd.	...	...	...	...	...	...	...	...	...	...
Do. ...	1117	Jubilee ...	Ftd.	...	...	...	...	...	...	...	...	...	...
Do. ...	1168 (1117)	Jubilee ...	Abd.	...	...	...	...	...	...	...	...	...	12'50
Do. ...	672	Kangaroo ...	Abd.	...	...	...	...	...	...	...	...	...	...
Do. ...	1217 (335)	Lady Forrest ...	6	...	...	...	...	...	...	...	...	...	57'00
Do. ...	335, 696, 1051	Lady Forrest (Murchison) G.M., Ltd.	Ftd.	20	...	...	...	...	...	...	...	...	...
Do. ...	1116 (764)	Lady Godiva ...	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do. ...	1165	Lady Hynes ...	Ftd.	...	...	...	...	...	...	...	18'20	...	89'00
Do. ...	60, 170, 674	Lady Mary Amalgamated G.Ms., Ltd.	Ftd.	...	...	...	...	...	...	...	...	...	...
Do. ...	1222 (674)	Lady Mary ...	Abd.	...	...	...	...	...	...	...	...	...	38'00
Do. ...	203	Lady Mary Cyanide Works	...	...	...	4	40	960	...	...	...	...	...
Do. ...	157	Lady Mary No. 1 South	Surr.	...	...	...	...	...	...	...	...	...	16'50
Do. ...	422	Le Premier Fleur de Mai ...	Ftd.	...	...	...	...	...	...	...	...	...	...
Do. ...	183	Leviathan ...	6	...	...	...	...	...	...	...	...	...	330'00
Do. ...	1148 (364)	Light of Asia ...	12	...	...	...	...	...	...	...	...	...	1,247'00
Do. ...	964, 1002	Light of Asia Amalgamated G.Ms., Ltd.	Ftd.	...	...	...	...	...	...	...	...	...	...
Do. ...	701	Lily ...	Abd.	...	...	...	...	...	...	...	...	...	...
Do. ...	1049	Lily North ...	Abd.	...	...	...	...	...	...	...	...	...	...
Do. ...	1131 (1049)	Lily North Extended	Abd.	...	...	...	...	...	...	...	...	...	...
Do. ...	697	Lily No. 2 South	Ftd.	...	...	...	...	...	...	...	...	...	...
Do. ...	1034/5	Lombardy leases	Ftd.	...	...	...	...	...	...	...	...	...	...
Do. ...	1076	Lone Star	Abd.	...	...	...	...	...	...	...	...	...	...
Do. ...	1175	Mafeking	6	...	...	...	...	...	...	...	...	...	58'00
Do. ...	537	Maori Chief	Ftd.	...	...	...	...	...	...	...	...	...	...
Do. ...	1157 (1121)	Maori ...	Ftd.	...	...	...	...	...	...	...	...	...	20'00
Do. ...	599	Marvel ...	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do. ...	1144	Maud ...	Abd.	...	...	...	...	...	...	...	...	...	77'00
Do. ...	1108	Maybell ...	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do. ...	1240 (1165)	Mystery ...	Abd.	...	...	...	...	...	...	...	2'00	...	...
Do. ...	1243 (248)	New Eclipse ...	5	...	...	...	...	...	...	...	...	...	30'00
Do. ...	1045	New Eldorado	Abd.	...	...	...	...	...	...	...	...	...	...
Do. ...	1107	New England ...	Ftd.	...	...	...	...	...	...	...	...	...	...
Do. ...	1161	New Venture ...	Ftd.	...	...	...	...	...	...	...	...	...	...
Do. ...	1135 (1070)	New Volunteer	9	...	...	...	...	...	...	...	...	...	474'00
Do. ...	1210	Nil Desperandum	Abd.	...	...	...	...	...	...	...	...	...	115'00
Do. ...	1143 (799)	Normanby	6	...	...	...	...	...	...	...	...	...	146'00
Do. ...	817	North Victoria	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do. ...	920	Polar Star G.Ms., Ltd.	24	10	...	...	...	...	...	...	...	...	...
Do. ...	1150 (692), 1178	Princess leases	15	...	...	...	...	...	...	...	...	...	490'00
Do. ...	1059	Princess Ada South	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do. ...	222, 653, 784, 1016, 1048, 1114	Princess (Murchison) Consolidated, Ltd.	a. r. p. 37 2 27	10	...	...	...	...	...	...	...	...	33'00
Do. ...	1151	Queen of the May ...	12	...	...	...	...	...	...	...	...	...	416'00
Do. ...	745/6, 1119, 1121	Red, White, and Blue G.M. Co., Ltd.	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do. ...	673	Republic	Ftd.	...	...	...	...	...	...	...	...	...	...
Do. ...	1248 (60)	Rising Sun	12	...	...	...	...	...	...	...	...	...	80'00
Do. ...	1110	Rose	Abd.	...	...	...	...	...	...	...	...	...	...
Do. ...	662	Rose of England G.M., Ltd.	Ftd.	...	...	...	...	...	...	...	...	...	...
Do. ...	1046	Salisbury	24	...	...	...	...	...	...	...	...	...	172'00
Do. ...	887	Stanmore	Ftd.	...	...	...	...	...	...	...	...	...	...
Do. ...	958	Star of Asia	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do. ...	1153	Struggle	a. r. p. 2 3 18	...	...	...	...	...	...	...	...	...	90'00
Do. ...	483	Tasmania	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do. ...	774	Twilight	6	...	...	...	...	...	...	...	...	...	388'00
Do. ...	1113	Two Lilies	Abd.	...	...	...	...	...	...	...	...	...	...
Do. ...	865	Two Nations	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do. ...	1037	Union Jack	Abd.	...	...	...	...	...	...	...	...	...	...
Do. ...	1118	Victoria	Abd.	...	...	...	...	...	...	...	...	...	...
Do. ...	1177 (1118)	Do.	Ftd.	...	...	...	...	...	...	...	...	...	11'00
Do. ...	1070	Volunteer	Ftd.	...	...	...	...	...	...	...	...	...	...
Do. ...	1145	Volunteer South Extended ...	a. r. p. 4 3 3	...	...	...	...	...	...	...	...	...	1,105'00
Do. ...	799	W.A. Venture Synd., Ltd.	Abd.	...	...	...	...	...	...	...	...	...	...
		Carried forward ...	...	135	2	20	...	...	...	...	30'60	...	14,740'00

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

YEAR 1900.		TOTAL PREVIOUS TO 1900.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1900.
Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	
ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	£ s.
9,578.76	...	...	151.50	63,616.75	61,916.84	...	...	161.90	72,798.75	71,495.60	...	
13.25	.77	...	...	571.50	299.94	.52	...	...	588.50	313.19	.53	
29.40	.64	...	...	50.00	32.45	.64	...	...	96.00	61.85	.64	
...	...	...	...	68.00	8.00	.11	...	...	68.00	8.00	.11	
...	...	...	...	47.50	81.00	1.70	...	...	47.50	81.00	1.70	
...	...	...	...	849.00	343.98	.40	...	...	849.00	343.98	.40	
8.60	.68	...	...	...	...	...	...	...	12.50	8.60	.68	
...	...	...	...	318.00	195.78	.61	...	...	318.00	195.78	.61	
63.15	1.10	...	...	...	...	...	...	...	57.00	63.15	1.10	
...	...	...	...	920.00	516.00	.56	...	...	920.00	516.00	.56	
...	...	...	...	207.00	125.64	.60	...	...	207.00	125.64	.60	
42.87	.48	...	2.70	67.00	50.50	.75	...	20.90	156.00	93.37	.59	
...	...	...	...	...	243.00	...	...	...	...	243.00	...	
...	...	...	...	...	...	...	...	...	38.00	21.62	.56	
21.62	.56	...	...	...	...	...	...	...	...	...	...
...	
17.55	1.06	...	...	419.00	889.45	2.12	...	...	435.50	907.00	2.08	
...	...	...	...	452.00	250.55	.55	...	...	452.00	250.55	.55	
288.98	.87	...	...	613.00	512.45	.83	...	...	943.00	801.43	.84	
1,052.25	.84	...	...	...	...	...	...	...	1,247.00	1,052.25	.84	3 18 0
...	...	...	...	649.00	516.80	.79	...	...	649.00	516.80	.79	
...	...	...	...	623.00	959.60	1.54	...	...	623.00	959.60	1.54	
...	...	...	...	70.00	210.00	3.00	...	...	70.00	210.00	3.00	
...	...	...	...	75.00	143.05	1.90	...	...	75.00	143.05	1.90	
...	...	...	...	35.00	26.00	.74	...	...	35.00	26.00	.74	
cy. 63.00	...	...	...	345.00	172.28	.49	...	...	345.00	235.28	.68	
...	...	...	...	17.00	7.00	.41	...	...	17.00	7.00	.41	
61.40	1.05	...	...	...	...	...	...	...	58.00	61.40	1.05	
...	
7.85	.39	...	...	18.00	5.50	.30	...	...	38.00	13.35	.35	
...	...	...	...	50.00	20.35	.40	...	...	50.00	20.35	.40	
70.09	.91	...	...	75.00	109.63	1.46	...	...	152.00	179.72	1.18	
...	...	...	...	15.00	5.00	.33	...	...	15.00	5.00	.33	
...	...	...	...	...	...	...	...	2.00	...	...	...
22.50	.75	...	...	...	...	...	...	...	30.00	22.50	.75	
...	...	...	18.00	64.50	181.87	2.81	...	18.00	64.50	181.87	2.81	
...	...	...	...	7.00	9.00	1.28	...	...	7.00	9.00	1.28	
...	...	...	...	24.00	5.30	.22	...	...	24.00	5.30	.22	
527.27	1.11	...	...	765.00	504.28	.65	...	...	1,239.00	1,031.55	.83	4 1 0
25.99	.22	...	...	...	...	...	...	...	115.00	25.99	.22	
131.09	.89	...	...	172.00	264.15	1.53	...	...	318.00	395.24	1.24	4 0 0
...	...	...	...	203.00	313.00	1.54	...	...	203.00	313.00	1.54	
...	...	...	...	824.00	999.68	1.21	...	...	824.00	999.68	1.21	
576.45	1.17	...	...	446.00	456.10	1.02	...	...	936.00	1,032.55	1.10	3 19 11½
...	...	...	...	64.00	9.55	.14	...	...	64.00	9.55	.14	
39.30	1.19	...	...	5,895.50	5,324.60	.90	...	...	5,928.50	5,363.90	.90	
437.95	1.05	...	...	208.00	169.98	.81	...	...	624.00	607.93	.97	4 0 3
...	...	...	...	1,103.00	537.05	.48	...	...	1,103.00	537.05	.48	
...	...	...	...	114.00	91.60	.80	...	...	114.00	91.60	.80	
44.85	.56	...	...	...	...	...	...	...	80.00	44.85	.56	4 0 4
...	...	...	...	21.00	12.00	.57	...	...	21.00	12.00	.57	
...	...	...	...	300.00	42.00	.14	...	...	300.00	42.00	.14	
95.15	.55	...	...	208.00	246.00	1.18	...	...	380.00	341.15	.89	
...	...	...	...	63.00	66.00	1.04	...	...	63.00	66.00	1.04	
...	...	...	...	54.00	5.00	.09	...	...	54.00	5.00	.09	
27.80	.30	...	...	35.00	6.64	.18	...	...	125.00	34.44	.27	
...	...	...	...	55.00	24.00	.43	...	...	55.00	24.00	.43	
324.75	.83	...	...	898.00	1,086.79	1.21	...	...	1,286.00	1,411.54	1.09	4 0 0
...	...	...	...	90.00	93.23	1.03	...	...	90.00	93.23	1.03	
...	...	...	...	10.00	10.00	1.00	...	...	10.00	10.00	1.00	
...	...	...	...	55.00	18.00	.32	...	...	55.00	18.00	.32	
...	...	...	...	63.50	81.40	1.28	...	...	63.50	81.40	1.28	
...	
7.25	.65	...	...	...	...	...	...	...	11.00	7.25	.65	
...	...	...	...	199.50	234.60	1.17	...	...	199.50	234.60	1.17	
979.83	.88	...	...	430.00	333.40	.77	...	...	1,535.00	1,313.23	.80	3 19 0
...	...	...	...	645.00	530.20	.82	...	...	645.00	530.20	.82	
14,558.95	...	...	172.20	83,187.75	79,296.21	...	...	202.80	97,927.75	93,855.56	...	

‡ 59ozs. from unknown tons. † 277ozs. from unknown tons.

TABLE IV.—Return of all

Murchison

CUE

MINING CENTRE.	NUMBER OF LEASE.	REGISTERED NAME OF LEASE OR COMPANY.	Area in Acres.	PARTICULARS OF PLANT.							TOTAL FOR		
				Milling.		Cyaniding.					Alluvial.	Dollied and Specimens	Ore treated.
				Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.	ozs.				ozs.	tons.
		Brought forward ...	...	135	2	20	tons.	tons.	...	ozs.	ozs.	tons.
Cue	999	Wallace	Abd.	...	...	...	...	...	...	...	...	...
Do.	1009	Winchester	Abd.	...	...	...	...	...	...	...	...	...
Do.	1124	Young Colonial	Ftd.	...	...	...	...	...	...	...	...	...
Do.	...	Sundry Claims	...	...	...	...	...	...	...	...	23.55	491.00
Do.	...	Do.	...	...	...	...	...	...	...	...	...	...
Reedy's Find	1236	Bellerophon	12	...	...	...	...	...	...	...	...	9.00
Do.	1233	Ivy	12	...	...	...	...	...	...	...	35.00	...
Do.	E.C. 353	Nessie's Reward	...	...	...	...	...	...	65.35	...	...	...
Do.	1229	Pretoria	12	...	...	...	...	...	...	...	...	...
Tuckanarra	1182, 1190, 1197, 1203/5	Anchor Consolidated G.Ms., Ltd.	66	10	...	...	...	...	...	...	...	710.00
Do.	1192	Bachelor	12	...	...	...	...	...	...	24.65	...	34.00
Do.	1190 (221N)	Blue Anchor	12	...	...	...	...	...	...	...	...	...
Do.	1199	Cable	6	...	...	...	...	...	...	...	...	65.50
Do.	1225	Diorite Queen	12	...	...	...	...	...	...	...	...	39.00
Do.	1184 (199N)	Douglas Boulder	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	1223 (131N)	East Lynne	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	1180 (109N)	Lady Eva	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	1200 (287N)	Newhaven	V.N.P.	...	...	...	...	...	...	...	...	20.00
Do.	1191 (223N)	No. 1 South Tuckanarra	6	...	...	...	...	...	...	...	...	50.00
Do.	1226	Rand	12	...	...	...	...	...	...	30.00	...	10.00
Do.	1182 (134N)	Trilby	12	...	...	...	...	...	...	...	...	...
Do.	1218	Trilby Block	12	...	...	...	...	...	...	...	...	104.50
Do.	1185 (206N)	Tuckanarra North	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	...	Government Public Battery	...	10	...	...	...	...	...	...	...	...
Do.	...	Sundry Claims	...	...	...	...	...	...	...	34.65	...	571.00
Weld Range	1072 (1074) 1139 (1140), M.A. 17	Weld Hercules G.Ms., Ltd.	36	20	...	...	...	...	...	...	...	...
Do.	...	Sundry Claims	...	...	...	...	...	...	...	...	...	...
<i>From District generally—</i>													
		Sundry parcels treated at Cue Gold Recovery Works	...	...	...	...	...	...	...	...	...	...
	Do.	do. Cue Public Battery	...	...	...	...	...	...	...	...	...	388.50
	Do.	do. Cue Victory Battery	...	...	...	...	...	...	...	...	...	188.00
	Do.	do. Eureka No. 5 Battery	...	...	...	...	...	...	...	...	...	...
	Do.	do. Lady Mary Cyanide Works	...	...	...	...	...	...	...	...	...	...
	Do.	do. Tuckanarra Government Public Battery	...	...	...	...	...	...	...	...	...	24.00
	Do.	do. Victory United Battery	...	...	...	...	...	...	...	...	...	16.50
		Notices of Purchase	...	...	...	...	...	...	93.50	...	...	...
		Total	...	175	2	20	...	...	...	158.85	178.45	17,461.00

NANNINE

MINING CENTRE.	NUMBER OF LEASE.	REGISTERED NAME OF LEASE OR COMPANY.	Area in Acres.	PARTICULARS OF PLANT.							TOTAL FOR		
				Milling.		Cyaniding.					Alluvial.	Dollied and Specimens	Ore treated.
				Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.	ozs.				ozs.	tons.
Abbotts	171N	Mount Vranizan	12	10	...	3	30	720	...	...	...	2,670.00
Do.	(172N) 247/8N	New Murchison King G.Ms., Ltd.	30	10	...	...	...	...	...	...	...	3,274.00
Do.	253N	White Horse	Ftd.	...	...	...	...	...	...	...	...	...
Burnakura	84N	Alliance	Surr.	...	...	...	...	...	...	...	...	...
Do.	238N (84N)	Alliance	12	5	...	...	...	...	...	...	...	306.00
Do.	251N	Alliance South	12	...	...	...	...	...	...	...	...	...
Do.	250N	Juett's United	12	...	...	...	...	...	...	2,193.60	...	...
Do.	...	Sundry Claims	...	...	...	...	...	...	...	...	...	...
		Carried forward	...	25	...	3	...	...	...	...	2,193.60	6,250.00

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT.

YEAR 1900.		TOTAL PREVIOUS TO 1900.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1900.
Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	
ozs. 14,558·95	...	ozs. ...	ozs. 172·20	tons. 83,187·75	ozs. 79,296·21	ozs. ...	ozs. ...	ozs. 202·80	tons. 97,927·75	ozs. 93,855·16	ozs. ...	£ s. d.
...	...	...	...	34·00	22·15	·65	...	...	34·00	22·15	·65	
...	...	...	...	170·00	144·50	·85	...	...	170·00	144·50	·85	
...	...	...	...	154·50	264·37	1·71	...	...	154·50	264·37	1·71	
409·71	...	·15	266·25	3,091·35	2,581·58	...	·15	289·80	3,582·35	2,991·29	...	
6·48	·72	...	...	...	...	...	...	...	9·00	6·48	·72	
...	...	...	...	...	...	...	...	35·00	...	...	...
cy. 2·32	...	...	...	...	...	...	65·35	...	...	2·32	...	
812·50	1·14	...	...	...	...	...	...	...	710·00	812·50	1·14	3 17 10
118·45	3·48	...	...	...	...	...	...	24·65	34·00	118·45	3·48	
...	...	...	...	43·00	21·50	·50	...	...	43·00	21·50	·50	
73·53	1·12	...	...	...	...	...	...	...	65·50	73·53	1·12	3 16 6
22·30	·57	...	...	...	...	...	...	...	39·00	22·30	·57	
...	...	...	465·12	50·00	114·25	2·28	...	465·12	50·00	114·25	2·28	
...	...	...	...	27·00	10·14	·37	...	...	27·00	10·14	·37	
...	...	...	90·75	...	...	...	...	90·75	...	...	...
1·30	·06	...	118·95	37·00	44·84	1·21	...	118·95	57·00	46·14	·80	
14·15	·28	...	...	110·00	35·85	·32	...	...	160·00	50·00	·31	
32·50	3·25	...	...	...	...	...	...	30·00	10·00	32·50	3·25	
...	...	...	...	240·50	302·05	1·25	...	...	240·50	302·05	1·25	
74·65	·71	...	...	...	...	...	...	...	104·50	74·65	·71	
...	...	...	...	143·00	40·10	·28	...	...	143·00	40·10	·28	
730·52	...	...	...	230·50	3,254·54	...	...	34·65	801·50	8,985·06	...	
...	...	...	...	5,189·50	3,234·68	·62	...	...	5,189·50	8,234·68	·62	
...	...	...	...	18·00	17·40	...	...	...	18·00	17·40	...	
cy. 1,000·90	...	...	...	...	2,127·00	...	...	...	...	3,127·90	...	
205·25	...	...	...	704·00	348·01	...	...	...	1,092·50	553·26	...	
257·50	...	...	...	129·02	110·53	...	...	...	317·02	368·03	...	
...	...	...	...	15·00	4·80	...	...	...	15·00	4·80	...	
cy. 1,391·85	...	...	...	...	...	...	...	...	...	1,391·85	...	
5·50	...	...	...	...	...	...	...	...	24·00	5·50	...	
93·15	...	...	...	...	...	...	...	...	16·50	93·15	...	
...	...	46·24	8·44	...	...	...	139·74	8·44	...	...	...
19,811·51	1·13	46·39	1,121·71	93,574·12	† 91,974·50	·98	205·24	1,300·16	111,035·12	† 111,786·01	1·00	

† Also ounces from unknown tons, Black Swan 123·00
 Do. do. Kallara 36·00
 Do. do. Maori Chief 59·00
 Do. do. Victoria 277·00
 Do. do. Sundry Claims 572·00
 Total ... 1,072·00

DISTRICT.

YEAR 1900.		TOTAL PREVIOUS TO 1900.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1900.
Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	
ozs. 3,578·30	1·47	...	...	4,416·00	4,624·80	1·04	...	...	7,086·00	8,545·00	1·20	£ s. d.
pl. 341·90	...	...	...	...	...	...	...	...	...	...	...	3 18 0
6,362·55	2·01	...	...	4,941·00	6,651·75	1·34	...	...	8,215·00	13,231·30	1·61	3 17 9
pl. 188·00	...	...	...	...	...	...	...	...	...	...	...
29·00	...	...	...	58·50	65·00	1·11	...	...	58·50	65·00	1·11	
...	...	...	...	175·00	255·75	1·46	...	...	175·00	255·75	1·46	
367·30	1·20	...	...	276·00	605·25	2·19	...	...	582·00	972·55	1·67	
...	...	...	...	206·50	391·00	1·89	...	...	206·50	391·00	1·89	
...	...	...	1,145·10	100·00	385·15	3·85	...	3,338·70	100·00	385·15	3·85	
...	...	...	...	25·00	22·30	...	...	...	25·00	22·30	...	
10,867·05	...	...	1,145·10	10,198·00	13,001·00	...	...	3,338·70	16,448·00	23,868·03	...	

TABLE IV.—Return of all

Murchison

NANNINE

MINING CENTRE.	NUMBER OF LEASE.	REGISTERED NAME OF LEASE OR COMPANY.	Area in Acres.	PARTICULARS OF PLANT.							TOTAL FOR		
				Milling.		Cyaniding.					Alluvial.	Dollied and Specimens	Ore treated.
				Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.	ozs.				ozs.	tons.
		Brought forward ...	...	25	...	3	tons.	tons.	...	...	2,193'60	6,250'00
Chesterfield	368N	Adelaide Ethel	12	...	...	...	...	...	...	...	4'00	...
Do.	361N	Margueritta	12	...	...	...	...	...	...	...	39'70	...
Gabanintha	316N	Bella	6	...	...	...	...	...	...	...	...	20'00
Do.	48N	Gabanintha	Surr.	...	...	...	...	...	...	...	...	...
Do.	237N (48N)	Gabanintha	12	...	...	...	...	...	...	...	...	...
Do.	255N	Kapunda Gabanintha	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	31N	Martindale	6	...	...	...	...	...	...	...	...	84'00
Do.	189N	Mt. Yagahong (Mt. Yagahong G.M. and Expln. Co., Ltd.)	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	268N	Myrmidon	6	...	...	...	...	...	...	...	...	17'00
Do.	32N, 46N	Nannine Goldfields, Ltd	12	10	...	...	...	...	...	...	...	845'00
Do.	50N	St. Albans	Surr.	...	...	...	...	...	...	...	...	...
Do.	277N	St. Albans United	18	...	...	...	...	...	...	...	...	55'50
Do.	32N	(Tumbulgum)...	...	...	...	...	...	...	...	...	...	...
Do.	46N	(Tumbulgum Extended)	...	...	...	...	...	...	...	...	...	...
Do.	...	Sundry Claims	...	...	...	...	...	...	...	...	...	73'00
Garden Gully	27N	Crown	9	10	...	...	...	...	...	...	...	54'00
Jillawarra	311N	Jillawarra	24	...	...	...	...	...	...	...	...	10'00
Meekatharra	252N	Blue Danube	Abd.	...	...	...	...	...	...	...	...	...
Do.	272N	Centaur	Ftd.	...	...	...	...	...	...	...	...	99'00
Do.	283/4N	Commodore leases	32	...	...	...	...	...	...	...	...	118'00
Do.	313N	Halcyon	12	...	...	...	...	...	...	...	2'45	23'00
Do.	318N	Halcyon North	12	...	...	...	...	...	...	...	...	30'00
Do.	236N	Haveluck	12	...	...	...	...	...	...	...	...	136'00
Do.	90N	Meekatharra	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	93N	No. 93	12	...	...	...	...	...	...	...	...	110'00
Do.	246N	Sirdar	12	...	...	...	...	...	...	...	43'31	...
Do.	...	Sundry Claims	...	...	...	...	...	...	...	...	...	...
M r Gully	230/1N, 265/6N, 314N, 322N	After Many Years leases	54	20	...	...	...	...	...	...	...	11,321'00
Do.	259N	Beautiful Infant	12	...	...	...	...	...	...	...	...	208'00
Do.	219N	Munara King	Ftd.	...	...	...	...	...	...	...	...	...
Do.	298N	Venus	Abd.	...	...	...	...	...	...	...	...	5'75
Nannine	242N, 261N, 267N	Aberfoyle G.M., Ltd.	24	...	...	...	...	...	...	...	62'85	...
Do.	54N, 55N	Anglo-Westralian and General Explorations, Ltd.	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	273N (168N)	Caledonian	6	...	...	...	...	...	...	...	...	139'00
Do.	8N	Caledonian Extended	6	...	...	...	...	...	...	...	...	69'00
Do.	10N, 11N, 13N, 17N, 37N, 43N	Champion Reef (Nannine), W.A., G. M. Co., Ltd.	51	30	...	...	...	...	...	...	...	4,670'00
Do.	342N (219N)	Commonwealth	12	...	...	...	...	...	...	...	...	41'00
Do.	102N	Esmeralda	Surr.	...	...	...	...	...	...	...	...	...
Do.	330N	Granite King	12	...	...	...	...	...	...	...	...	75'00
Do.	73N, 113N	Iron King and Kaiser Propy.	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	204N	Lake Shore	Abd.	...	...	...	...	...	...	...	...	...
Do.	7N, 15N, 42N, 44/5N, 47N, 67N	Mt. Yagahong Exploration Co., Ltd.	90	20	...	...	...	...	...	...	...	1,000'00
Do.	16N, 166N	Nannine leases	24	10	...	...	...	...	...	...	...	841'00
Do.	T.A., 6N	Nannine Cyanide Works	...	...	6	35	840	...	...	...	...	...
Do.	264N	New Caledonian	6	...	...	...	...	...	...	...	...	...
Do.	18N	New Year	12	...	...	...	...	...	...	...	...	55'00
Do.	308N	Pearl	6	...	...	...	...	...	...	...	...	80'00
Do.	167/8N	Queen of the Lake leases	Ftd.	...	...	...	...	...	...	...	...	...
Do.	249N	Queen of the Lake (Mt. Yagahong G.M. and Exploration Co., Ltd.)	24	...	...	...	...	...	...	...	...	90'00
Do.	343N	Referendum	12	...	...	...	...	...	...	...	...	18'00
Do.	25N	Royalist Consolidated	9	3	...	...	...	...	...	...	22'50	74'03
Do.	...	Sundry Claims	...	...	...	...	...	...	...	...	...	22'00
Nowthanna	213N	Nowthanna G.Ms., Ltd.	6	5	...	...	...	...	...	...	...	210'00
Quinn's	214N	Manchester	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	...	Sundry Claims	...	...	...	...	...	...	...	...	103'03	...
Stake Well	139N	Review	V.N.P.	...	...	...	...	...	...	...	...	...
Star of the East	178N	Lady Maud	Ftd.	...	...	...	...	...	...	...	...	...
Do.	174N	Star of the East, Ltd.	25	20	...	6	20	600	...	...	...	3,434'00
Do.	122N	Unity	Abd.	...	...	...	...	...	...	...	...	58'00
From District generally—													
Sundry parcels treated at Queen of the Lake Battery				...	...	...	...	...	...	...	...	...
Do. do. Nannine Cyanide Works				...	...	...	...	...	...	...	...	...
Alluvial				...	...	...	...	...	...	350'00	...	...
Notices of Purchase				...	...	...	...	...	...	...	...	...
Total				...	153	15	...	...	...	350'00	2,471'44	30,335'28

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

YEAR 1900.		TOTAL PREVIOUS TO 1900.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1900.		
Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	£	s.	d.
10,867·05	...	...	1,145·10	10,198·00	13,001·00	...	...	3,338·70	16,448·00	23,868·05	...			
...	...	...	...	...	...	...	...	4·00	...	...	...
...	...	...	...	...	...	...	...	39·70	...	...	...
20·00	1·00	...	...	...	...	...	...	...	20·00	20·00	1·00			
...	...	...	...	144·00	108·50	·75	...	...	144·00	108·50	·75			
...	...	...	...	160·00	99·00	·61	...	...	160·00	99·00	·61			
...	...	...	...	11·00	11·75	1·06	...	...	11·00	11·75	1·06			
70·47	·83	...	...	93·50	87·30	·93	...	...	177·50	157·77	·88	3	8	6
...	...	...	...	2,061·00	2,392·35	1·16	...	...	2,061·00	2,392·35	1·16			
17·00	1·00	...	...	...	...	...	...	...	17·00	17·00	1·00			
331·00	·39	...	...	...	...	...	...	...	845·00	331·00	·39			
...	...	...	...	301·00	431·40	1·43	...	...	301·00	431·40	1·43			
62·35	1·12	...	...	...	...	...	...	...	55·50	62·35	1·12			
...	...	...	...	670·50	307·12	·45	...	...	670·50	307·12	·45			
...	...	...	...	63·00	97·95	1·55	...	...	63·00	97·95	1·55			
15·75	...	...	...	36·00	34·28	...	...	...	109·00	50·03	...			
76·50	1·41	...	...	206·00	406·60	1·97	...	...	260·00	483·10	1·85			
33·90	3·39	...	...	...	...	...	...	...	10·00	33·90	3·39			
...	...	...	...	77·50	199·25	2·57	...	...	77·50	199·25	2·57			
88·12	·89	...	...	...	...	...	...	...	99·00	88·12	·89			
382·00	3·23	...	...	...	...	...	...	...	118·00	382·00	3·23	3	19	3
54·00	2·34	...	...	...	...	...	...	2·45	23·00	54·00	2·34			
51·75	1·72	...	...	...	...	...	...	...	30·00	51·75	1·72	3	18	3
188·70	1·38	...	...	54·00	58·00	1·07	...	...	190·00	246·70	1·29			
...	...	...	...	61·00	47·35	·77	...	...	61·00	47·35	·77			
150·90	1·37	...	...	125·00	290·25	2·32	...	...	235·00	441·15	1·87			
...	...	...	15·00	38·00	57·80	1·52	...	58·31	38·00	57·80	1·52			
...	...	...	...	28·00	111·75	...	...	...	28·00	111·75	...			
5,380·95	...	...	...	...	...	...	...	...	11,321·00	5,727·73	·50	3	9	8
pl. 128·45	·50	...	...	...	...	...	...	...	...	...	...
pl. 218·33	...	...	...	...	...	...	...	...	...	...	...
301·05	1·44	...	...	404·50	662·40	1·63	...	...	612·50	963·45	1·57			
...	...	...	...	130·00	262·90	2·02	...	...	130·00	262·90	2·02			
2·65	·46	...	...	...	...	...	...	...	5·75	2·65	·46			
...	...	...	...	93·00	227·82	2·44	...	62·85	93·00	227·82	2·44			
...	...	...	...	107·00	32·85	·30	...	...	107·00	32·85	·30			
207·15	1·49	...	...	...	...	...	...	...	139·00	207·15	1·49			
394·70	5·72	...	...	157·00	1,030·42	6·56	...	...	226·00	1,425·12	6·30	3	15	44
1,794·20	...	...	...	11,547·00	6,134·13	·53	...	...	16,217·00	8,139·43	·50	3	7	6
pl. 211·10	·44	...	...	...	...	...	...	...	...	...	...
67·70	1·65	...	...	...	...	...	...	...	41·00	67·70	1·65			
...	...	...	...	16·00	25·20	1·57	...	...	16·00	25·20	1·57			
115·20	1·53	...	...	...	...	...	...	...	75·00	115·20	1·53			
...	...	...	...	50·00	51·50	1·03	...	...	50·00	51·50	1·03			
...	...	...	...	49·00	48·75	·99	...	...	49·00	48·75	·99			
437·15	·43	...	...	12,914·00	7,668·11	·59	...	...	13,914·00	8,105·26	·58			
1,008·76	1·19	...	...	3,857·00	8,121·13	2·10	...	...	4,698·00	9,129·89	1·94			
...			
...	...	...	...	65·00	77·00	1·18	...	...	65·00	77·00	1·18			
91·00	1·65	...	...	255·50	328·85	1·28	...	...	310·50	419·85	1·35			
34·20	·42	...	...	...	...	...	...	...	80·00	34·20	·42			
...	...	...	...	8,559·00	6,494·40	·75	...	...	8,559·00	6,494·40	·75			
85·00	·94	...	...	1,060·00	437·90	·41	...	...	1,150·00	522·90	·45			
15·50	·86	...	...	...	...	...	...	...	18·00	15·50	·86			
1,835·00	...	...	...	672·50	2,047·43	3·04	...	22·50	746·53	3,882·43	5·20	3	12	5
51·70	...	...	...	492·50	868·00	...	...	...	514·50	919·70	...			
151·95	·72	...	...	314·00	299·70	·95	...	...	524·00	451·65	·86			
...	...	...	17·37	...	...	...	...	17·37	...	...	...
...	...	...	...	92·00	35·62	·38	...	103·03	92·00	35·62	·38			
...	...	...	...	60·00	130·00	2·16	...	...	60·00	130·00	2·16			
2,173·84	·63	...	...	21,984·00	23,521·45	1·06	...	...	25,418·00	25,695·29	1·01	3	2	6
18·00	·31	...	...	107·00	74·24	·69	...	...	165·00	92·24	·55			
...	...	...	...	10·00	26·00	...	...	...	10·00	26·00	...			
cy. 202·76	...	...	...	...	...	...	...	...	...	202·76	...			
...	...	...	...	...	...	...	350·00	...	...	...	...
...	...	1·90	...	...	...	...	1·90	...	...	...	...
27,335·83	·90	1·90	1,177·47	77,323·50	76,347·45	·98	351·90	3,648·91	107,658·78	103,683·28	·96			

TABLE IV.—Return of all

Murchison

DAY DAWN

MINING CENTRE.	NUMBER OF LEASE.	REGISTERED NAME OF LEASE OR COMPANY.	Area in Acres.	PARTICULARS OF PLANT.							TOTAL FOR									
				Milling.		Cyaniding.					Alluvial.	Dolled and Specimens	Ore treated.							
				Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.	ozs.				ozs.	tons.					
Day Dawn	28D	Cooya	V.N.P.																	
Do.	22D	Crème d'Or	9																	26.50
Do.	14D (71D)	Crœsus	6																	
Do.	M.A. 6D	Day Dawn Public Battery	10	5	20	480														
Do.	15D	Emperor G.Ms., Ltd.	12																	
Do.	26D	Eureka No. 5	12	5																251.00
Do.	178D (97D)	Fairlie	6																	20.00
Do.	78D	Golden Crown	Ftd.																	
Do.	1D, 2D, 86/7D, 99D, 119D, 129D, 158/9D, 170D, 210/1D	Great Fingall Consolidated, Ltd.	137 2 21	20	8	80	4,000													4,447.00
Do.	125D	Great Western	V.N.P.																	
Do.	199D (125D)	Great Western	6																	6.00
Do.	156D	Groper	Abd.																	
Do.	149D	Kinsella	Ftd.																	
Do.	179D (149D)	Kinsella	6																	3.50
Do.	157D	New Caledonia	Abd.																	
Do.	101D	Pelican	V.N.P.																	
Do.	46D	Perseverance	V.N.P.																	
Do.	173D (12D)	Phoenix	V.N.P.																	
Do.	66D	Queen's Birthday South	Ftd.																	
Do.	151D	Richmond	Surr.																	
Do.	206D (151D)	Richmond	9																	34.60
Do.	181D (156D)	Royal Charter	12																	36.80
Do.	138D, 166/7D	Rubicon leases	18																	85.00
Do.	134D	Sailor Lad	V.N.P.																	
Do.	146D	Smith's United	Abd.																	
Do.	115D	Southdown	Ftd.																	
Do.	162D (115D)	Southdown	Abd.																	
Do.	119D	St. Alban's	12																	
Do.	163D	Strathmore	Surr.																	
Do.	148D	Trenton	V.N.P.																	
Do.	192D (148D)	Trenton	12																	12.00
Do.	174D (46D)	Try Again	12																	28.00
Do.	12D	Yalgoo Proprietary and Prospecting Synd., Ltd.	Ftd.																	
Do.		Sundry Claims																		112.50
Island	4D, 30D, 153D	Chicago leases	Ftd.																	
Do.	168D (153D)	Chicago Shamrock	18																	63.68
Do.	9D	(Eureka)																		
Do.	85D	(Evening Star)																		
Do.	35D, 42D, 68/9D, 70D, 74D, 79D, 143D	Golconda G.Ms., Ltd.	a. r. p. 89 3 22	10																170.00
Do.	5D, 9D, 142D	Island Eureka G.M. Co., N.L.	16 2 25	5																810.50
Do.	8D, 40D	Island Lake Austin G.M. Co., N.L.	12	10	c 2	2	50	400												65.00
Do.	106D	Island Lake Austin South G.M. Co., N.L.	V.N.P.																	
Do.	155D	New Orient	6																	
Do.	11D	Von Moltke	4																	4.00
Do.		Sundry Claims																		
Mainland	6D, 60/1D, M.A. 1D	Mainland Consols, Ltd.	48	10	3	25														1,607.00
Do.	147D	Mainland Consols Extended North	Surr.																	
Do.	97D	Mainland East, Ltd.	Ftd.																	
Do.	161D (147D)	Mainland Eureka	Abd.																	60.00
Do.	85D	Perseverance	Ftd.																	
Do.	171D (85D)	Perseverance	V.N.P.																	10.00
Do.	135D	Wild Cat	6																	80.00
From District generally—																				
Sundry parcels treated at	Day Dawn Public Battery																			25.00
Do.	do.	Day Dawn South No. 1 Battery																		
Do.	do.	Eureka No. 5 Battery																		99.00
Do.	do.	Island Lake Austin Battery																		
Notices of Purchase																				
Total					70	2	18						4.00	138.58						8,101.00

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT.

YEAR 1900.		TOTAL PREVIOUS TO 1900.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1900.		
Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	£	s.	d.
ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.			
...	...	...	...	85.00	56.35	.66	...	...	85.00	56.35	.66			
27.59	1.04	...	...	216.50	160.21	.74	...	...	243.00	187.80	.77			
...	...	...	...	1,138.00	1,788.81	1.57	...	...	1,138.00	1,788.81	1.57			
...	...	...	...	1,738.70	2,894.03	1.66	...	...	1,738.70	2,894.03	1.66			
225.90	.90	...	...	949.25	1,127.77	1.18	...	...	1,200.25	1,353.67	1.12	3	18	0
105.00	5.25	...	...	...	...	...	...	...	20.00	105.00	5.25			
...	...	...	...	110.00	143.00	1.30	...	...	110.00	143.00	1.30			
8,525.95	1.91	...	...	39,882.00	31,387.31	.78	...	...	44,329.00	39,913.26	.90	3	8	0
...	...	...	...	37.00	27.57	.74	...	...	37.00	27.57	.74			
1.05	.17	...	...	...	...	...	...	...	6.00	1.05	.17			
...	...	...	35.58	172.00	140.67	.81	...	35.58	172.00	140.67	.81			
...	...	...	142.00	7,528.50	3,481.28	.46	...	142.00	7,528.50	3,481.28	.46			
75.38	.70	...	...	...	...	...	...	3.50	106.50	75.38	.70			
...	...	...	6.15	155.00	88.26	.56	...	6.15	155.00	88.26	.56			
...	...	...	...	25.00	29.00	1.16	...	...	25.00	29.00	1.16			
...	...	...	...	48.50	38.90	.80	...	...	48.50	38.90	.80			
cy. 299.70	...	...	...	40.00	405.80	...	...	...	40.00	705.50	...			
...	...	...	...	33.00	8.00	.24	...	...	33.00	8.00	.24			
...	...	...	...	48.00	150.00	3.12	...	...	48.00	150.00	3.12			
14.55	.66	...	...	...	...	...	...	34.60	22.00	14.55	.66			
180.78	2.12	...	...	...	...	...	...	36.80	85.00	180.78	2.12	4	2	11
...	...	...	...	1,490.50	1,048.60	.70	...	...	1,490.50	1,048.60	.70			
...	...	...	...	48.00	58.60	1.22	...	...	48.00	58.60	1.22			
...	...	...	4.00	162.50	399.91	2.46	...	4.00	162.50	399.91	2.46			
...	...	...	...	333.00	537.79	1.61	...	...	333.00	537.79	1.61			
...	...	...	...	96.00	150.45	1.56	...	...	96.00	150.45	1.56			
...	...	...	...	43.00	16.80	.39	...	...	43.00	16.80	.39			
...	...	...	...	47.00	29.11	.62	...	...	47.00	29.11	.62			
...	...	...	...	7,748.00	6,024.65	.77	...	...	7,748.00	6,024.65	.77			
15.00	1.25	...	...	...	...	...	...	...	12.00	15.00	1.25			
17.90	.63	1.70	...	15.25	60.31	3.95	1.70	...	43.25	78.21	1.80			
...	...	...	...	720.00	838.95	1.16	...	...	720.00	838.95	1.16			
119.25	...	...	29.19	213.00	446.39	...	...	29.19	325.50	565.64	...			
...	...	...	...	75.10	430.10	5.72	...	...	75.10	430.10	5.72			
364.15	6.27	...	...	...	...	...	...	63.68	58.00	364.15	6.27	3	18	10½
...	...	...	...	143.20	529.00	3.69	...	...	143.20	529.00	3.69			
...	...	...	...	1,253.00	429.00	.34	...	...	1,253.00	429.00	.34			
57.05	.33	...	...	9,352.00	19,304.24	2.06	...	...	9,522.00	19,361.29	2.03			
1,630.41	2.01	...	...	859.70	3,208.93	3.73	...	...	1,670.20	4,839.34	2.89	3	18	11½
14.26	.22	...	...	1,742.00	619.15	.35	...	...	1,807.00	633.41	.35			
...	...	...	...	20.00	2.00	.10	...	...	20.00	2.00	.10			
...	...	...	...	731.50	3,433.03	4.69	...	...	731.50	3,433.03	4.69			
...	...	25.00	2.91	...	...	...	29.00	12.91	...	...	...
...	...	9.00	...	...	...	...	9.00	...	...	...	...
{ 2,004.55 } { pl. 20.00 }	1.26	...	...	3,869.15	18,351.62	4.74	...	...	5,476.15	20,376.17	3.72	4	0	0
...	...	...	...	25.00	172.60	6.90	...	...	25.00	172.60	6.90			
...	...	...	...	20.00	69.78	3.48	...	...	20.00	69.78	3.48			
105.65	1.76	...	837.19	...	...	...	...	837.19	60.00	105.65	1.76			
...	...	...	356.85	59.70	314.90	5.27	...	356.85	59.70	314.90	5.27			
4.00	.40	...	48.70	50.00	13.15	.26	...	48.70	60.00	17.15	.28			
42.50	.53	...	274.65	83.55	807.50	9.66	...	274.65	163.55	850.00	5.19			
621.48	...	...	...	100.00	47.74	...	...	...	125.00	669.22	...			
32.18	...	...	...	380.00	505.50	...	...	...	380.00	505.50	...			
...	...	...	...	120.00	68.44	...	...	...	219.00	100.62	...			
...	...	...	...	119.00	53.00	...	...	...	119.00	53.00	...			
...	...	27.61	2.57	...	...	...	27.61	2.57	...	...	...
14,504.28	1.79	63.31	1,739.79	82,125.60	99,898.20	1.21	67.31	1,878.37	90,226.60	114,402.48	1.26			

TABLE IV.—Return of all

Murchison

MOUNT MAGNET

MINING CENTRE.	NUMBER OF LEASE.	REGISTERED NAME OF LEASE OR COMPANY.	Area in Acres.	PARTICULARS OF PLANT.							TOTAL FOR		
				Milling.		Cyaniding.					Alluvial.	Dollied and Specimens	Ore treated.
				Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.	ozs.				ozs.	tons.
Boogardie	462M (347M)	Bobbie Burns	Abd.				tons.	tons.		ozs.	ozs.	tons.	
Do.	184M	Bonanza	V.N.P.										
Do.	351M	Boogardie	V.N.P.										
Do.	507M	Bronzewing	6								47.75		
Do.	489M	Comet	6								1.00	18.00	
Do.	337M	Constellation	Abd.										
Do.	490M (148M)	Cushie Doo	6								36.30	16.00	
Do.	A.C., 1M	Deep Alluvial Claim										1,215.00	
Do.	172M	Eclipse	9									46.00	
Do.	264M	Eclipse Extended	12									254.00	
Do.	411M	Eclipse North	6									63.00	
Do.	338M	Excelsior	Ftd.										
Do.	185M, 281M	Exchange leases	Abd.										
Do.	410M	Federation	Abd.										
Do.	500M	General Roberts	Ftd.									26.00	
Do.	173M	Golden Crown	Ftd.										
Do.	224M	Golden Point	V.N.P.										
Do.	162M	Golden Stream	Ftd.										
Do.	459M (162M)	Golden Stream	Abd.										
Do.	524M (459M)	Golden Stream	12									109.00	
Do.	439M	Grossotto	6									29.00	
Do.	239M	Havelock	Ftd.										
Do.	335M	Havelock Extended	Ftd.										
Do.	328M	Havelock Proprietary	Ftd.										
Do.	361M	Hesperian (Australian Gold Recovery Co., Ltd.)	10									649.00	
Do.	502M (470M)	Hesperian Consolidated	10								55.00	116.00	
Do.	491M	Hesperus	Ftd.									6.00	
Do.	386M	Hesperus Dawn	Ftd.										
Do.	463M (386M)	Hesperus Dawn	10									378.00	
Do.	190M	Jupiter	18									404.00	
Do.	504M	Jupiter West	Abd.									53.00	
Do.	372M	Lady Bunbury	12									187.00	
Do.	435M (337M)	Lone Hand	Ftd.										
Do.	226M	Lucknow	Ftd.										
Do.	518M	Magdala	Wdn.									28.00	
Do.	148M	Meteor	Ftd.										
Do.	182M	Midlothian	V.N.P.										
Do.	456M (335M)	Mystery	Abd.										
Do.	347M	National	V.N.P.										
Do.	445M (173M)	Neptune	12								284.04	149.00	
Do.	292M	New Year's Gift	Abd.										
Do.	391M	Nil Desperandum	Ftd.										
Do.	160M	O.K.	V.N.P.										
Do.	220M	O.K. North	6										
Do.	513M	Pick-me-up	6								8.62		
Do.	65M	Planet	Ftd.										
Do.	307M	Rock of Cashel	Ftd.										
Do.	426M	Rose, Shamrock, and Thistle	Ftd.										
Do.	336M	Star of the West	Ftd.										
Do.	455M (336M)	Star of the West	6									74.00	
Do.	332M	Three Star	Ftd.										
Do.	408M	Venus	Ftd.										
Do.	479M (408M)	Venus	Ftd.									60.00	
Do.	470M (239M)	Waverley	Abd.									45.00	
Do.	353M	Wellington	Abd.										
Do.	469M	Western	V.N.P.										
Do.		Sundry Claims									4.05	745.00	
Lennonville	80M	Australian Gold Recovery Co., Ltd.				7	37	999					
Do.	48M	Brilliant	9									30.00	
Do.	74M, 78M	British Exploration Co., Ltd.	Ftd.										
Do.	428M	Burra Burra Consols...	Abd.										
Do.	327M, 346M, 368M, 466M	Burra Burra leases	a. r. p. 34 2 15	10								415.00	
Do.	454M	Burra North	V.N.P.										
Do.	375M	Canterbury	Abd.										
Do.	519M (375M)	Canterbury	12									70.00	
Do.	453M	Canterbury Extended, No. 1	Abd.										
Do.	80M, R.C. 2M	Colonial Consold. Finance Corporation, Ltd.	12	20								1,291.00	
Do.	333M	Fair Play	6									84.00	
Do.	407M	Federal	V.N.P.										
		Carried forward		30		7					436.76	6,560.00	

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT.

YEAR 1900.		TOTAL PREVIOUS TO 1900.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1900.
Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	
ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	£ s. d.
...	...	...	...	19'00	6'25	'32	...	...	19'00	6'25	'32	
...	...	...	...	40'00	20'00	'50	...	...	40'00	20'00	'50	
...	...	...	...	16'00	4'52	'28	...	...	16'00	4'52	'28	
...	...	...	...	...	...	...	...	47'75	...	...	...
14'50	'80	...	...	...	...	...	...	1'00	18'00	14'50	'80	3 17 10½
...	...	...	...	20'00	6'50	'32	...	...	20'00	6'50	'32	
196'00	...	...	...	...	...	...	...	36'30	16'00	196'00	...	3 13 1½
552'07	'45	...	...	790'00	295'57	'37	...	...	2,005'00	847'64	'42	
21'30	'46	...	4'80	257'00	743'55	2'89	...	4'80	303'00	764'85	2'52	
562'35	2'21	...	...	617'02	1,190'60	1'92	...	...	871'02	1,752'95	2'01	4 0 0
17'67	'28	...	...	41'00	6'09	'14	...	...	104'00	23'76	'22	
...	...	...	...	8'50	2'00	'23	...	...	8'50	2'00	'23	
...	...	...	...	159'00	145'05	'91	...	...	159'00	145'05	'91	
...	...	...	73'05	12'50	40'60	3'24	...	73'05	12'50	40'60	3'24	
41'25	1'58	...	...	...	...	...	...	...	26'00	41'25	1'58	
...	...	...	...	121'00	232'90	1'92	...	...	121'00	232'90	1'92	
...	...	...	4'60	...	3'00	...	...	4'60	...	3'00	...	
...	...	...	...	433'00	285'79	'66	...	...	433'00	285'79	'66	
...	...	...	...	66'00	16'70	'25	...	...	66'00	16'70	'25	
29'05	'26	...	...	...	...	...	...	...	109'00	29'05	'26	
13'17	'45	...	2'30	81'50	148'13	1'81	...	2'30	110'50	161'30	1'45	
...	...	...	...	469'00	451'57	'96	...	...	469'00	451'57	'96	
...	...	...	...	93'00	47'35	'50	...	...	93'00	47'35	'50	
...	...	...	45'15	42'00	73'19	1'74	...	45'15	42'00	73'19	1'74	
714'01	1'10	...	...	878'00	901'56	1'02	...	...	1,527'00	1,615'57	1'05	3 19 6
140'80	1'21	...	...	...	...	...	...	55'00	116'00	140'80	1'21	
6'12	1'02	...	...	...	...	...	...	...	6'00	6'12	1'02	
...	...	...	...	31'00	21'93	'70	...	...	31'00	21'93	'70	
1,319'95	3'49	...	...	88'48	272'00	3'07	...	...	466'48	1,591'95	3'41	4 0 0
268'35	'66	18'03	...	751'15	753'32	1'00	18'03	...	1,155'15	1,021'67	'88	3 18 9
29'05	'54	...	...	...	...	...	...	...	53'00	29'05	'54	
38'60	'20	...	...	325'65	128'24	'39	...	...	512'65	166'84	'32	
...	...	...	...	25'00	5'20	'20	...	...	25'00	5'20	'20	
...	...	...	...	610'00	766'17	1'25	...	...	610'00	766'17	1'25	
9'25	'33	...	...	...	...	...	...	...	28'00	9'25	'33	
...	...	...	...	51'00	51'70	1'01	...	...	51'00	51'70	1'01	
...	...	...	...	12'00	11'10	'92	...	...	12'00	11'10	'92	
...	...	...	...	66'50	26'13	'39	...	...	66'50	26'13	'39	
...	...	...	...	11'00	5'15	'46	...	...	11'00	5'15	'46	
326'00	2'18	...	...	145'00	138'10	'95	...	284'04	294'00	464'10	1'57	
...	...	...	...	20'00	20'60	1'03	...	...	20'00	20'60	1'03	
...	...	...	...	57'00	40'60	'71	...	...	57'00	40'60	'71	
...	...	...	38'00	55'30	150'30	2'71	...	38'00	55'30	150'30	2'71	
...	...	...	...	16'00	1'95	'12	...	...	16'00	1'95	'12	
...	...	...	...	...	...	...	...	8'62	...	...	...
...	...	...	...	247'00	149'25	'60	...	...	247'00	149'25	'60	
...	...	...	...	24'00	8'55	'35	...	...	24'00	8'55	'35	
...	...	...	...	90'00	20'75	'23	...	...	90'00	20'75	'23	
...	...	...	35'00	77'00	247'85	3'21	...	35'00	77'00	247'85	3'21	
57'80	'78	...	...	76'00	21'43	'28	...	...	150'00	79'23	'52	
...	...	...	...	106'50	569'03	5'34	...	61'00	106'50	569'03	5'34	
...	...	...	61'00	189'00	1,503'58	7'95	...	...	189'00	1,503'58	7'95	
18'10	'30	...	...	7'00	3'25	'46	...	...	67'00	21'35	'32	
25'15	'55	...	...	155'00	58'70	'37	...	...	200'00	83'85	'41	
...	...	...	6'00	18'00	28'10	1'56	...	6'00	18'00	28'10	1'56	
...	...	...	...	60'00	23'15	'38	...	...	60'00	23'15	'38	
233'27	...	...	...	327'00	254'75	...	...	4'05	1,072'00	488'02	...	
...	
8'50	'28	...	...	497'00	555'65	1'11	...	...	527'00	564'15	1'07	
...	...	...	...	110'00	144'65	1'31	...	...	110'00	144'65	1'31	
...	...	...	...	18'00	'50	'02	...	...	18'00	'50	'02	
1,317'07	3'17	...	...	560'50	2,030'08	3'62	...	...	975'50	3,347'15	3'43	3 16 3
...	...	...	...	34'00	19'35	'56	...	...	34'00	19'35	'56	
...	...	...	...	113'00	287'27	2'54	...	...	113'00	287'27	2'54	
14'50	'20	...	...	...	...	...	...	...	70'00	14'50	'20	
...	...	...	...	12'00	1'10	'09	...	...	12'00	1'10	'09	
{ 873'75 } { pl. 255'10 }	'87	...	...	3,373'00	1,882'17	'55	...	...	4,664'00	3,011'02	'64	3 18 5
72'61	'86	...	...	206'00	385'71	1'87	...	...	290'00	458'32	1'58	
...	...	...	...	10'00	'55	'05	...	...	10'00	'55	'05	
7,175'34	...	18'03	269'90	12,738'60	15,208'83	...	18'03	706'66	19,298'60	22,384'17	...	

TABLE IV.—Return of all

Murchison

MOUNT MAGNET

MINING CENTRE.	NUMBER OF LEASE.	REGISTERED NAME OF LEASE OR COMPANY.	Area in Acres.	PARTICULARS OF PLANT.						TOTAL FOR			
				Milling.		Cyaniding.				Alluvial.	Dolled and Specimens	Ore treated.	
				Number Stamp.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.				ozs.	ozs.	tons.
		Brought forward ...	...	30	...	7	tons.	tons.	...	ozs.	436.76	tons.	6,560.00
Lennonville	535M (399M)	Gambier ...	6	...	...	...	...	...	...	...	...	...	6.50
Do.	144M	Geraldton United ...	Ftd.	...	...	...	...	...	...	...	...	...	...
Do.	47M, 179M	Golden Giant leases ...	Ftd.	...	...	...	...	...	...	...	...	...	...
Do.	143M	Golden Giant West ...	Ftd.	...	...	...	...	...	...	...	...	...	...
Do.	511M	Golden Hill ...	12	...	...	...	...	...	...	...	...	...	133.50
Do.	41M, 52M, 508M	Golden Treasure leases	18	...	...	...	...	...	...	...	...	...	577.00
Do.	...	Government Public Battery	...	10	...	...	...	...	...	...	...	...	...
Do.	225M	Grand Gorge ...	Abd.	...	...	...	...	...	...	...	...	...	23.00
Do.	453M	Josephine ...	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do.	393M (74M)	Keep-it-Dark ...	Abd.	...	...	...	...	...	...	...	...	...	...
Do.	300M	Lady Hilda ...	Ftd.	...	...	...	...	...	...	...	...	...	...
Do.	486M	Lady of the Lake ...	V.N.P.	...	...	...	...	...	...	...	...	...	14.00
Do.	512M	Lennonville ...	12	...	...	...	...	...	...	...	...	...	11.00
Do.	30/1M, 39M, 247M, 433M	Long Reef G.M. Co., Ltd. ...	51	20	...	6	21	1,260	...	...	...	...	18,628.00
Do.	418M	Mermaid ...	Ftd.	...	...	...	...	...	...	...	...	...	18.00
Do.	440M (412M)	Moonstone ...	Ftd.	...	...	...	...	...	...	...	...	...	...
Do.	425M (143M)	Murchison Boulder	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do.	23M	North Yuletide	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do.	40M, 66M	Occidental leases	Ftd.	...	...	...	...	...	...	...	...	...	...
Do.	394M	Queenslander ...	Abd.	...	...	...	...	...	...	...	...	...	...
Do.	514M (394M)	Queenslander ...	12	...	...	...	...	...	...	...	...	...	96.00
Do.	399M	Queenslander South ...	Ftd.	...	...	...	...	...	...	...	...	...	...
Do.	446M	Revealed Secret	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do.	35M	Rock of Ages ...	Ftd.	...	...	...	...	...	...	...	...	...	...
Do.	517M (35M)	Rock of Ages ...	12	...	...	...	...	...	...	...	...	...	34.00
Do.	412M	Rosella ...	Ftd.	...	...	...	...	...	...	...	...	...	...
Do.	449M	Scottish and Colonial	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do.	436M (393M)	Speedwell ...	6	...	...	...	...	...	...	...	9.66	...	7.00
Do.	421M (334M)	Splendour ...	6	...	...	...	...	...	...	...	...	...	51.00
Do.	405M (47M)	Sullivan's Dunlop	12	...	...	...	...	...	...	...	...	...	115.00
Do.	374M	Victoria ...	Abd.	...	...	...	...	...	...	...	...	...	...
Do.	480M (374M)	Victoria ...	Wdn.	...	...	...	...	...	...	...	...	...	...
Do.	262M	Wah Wah ...	Ftd.	...	...	...	...	...	...	...	...	...	...
Do.	420M (262M)	Wah Wah ...	Ftd.	...	...	...	...	...	...	...	...	...	...
Do.	57M	Welcome ...	12	...	f1	...	...	...	...	...	...	...	458.00
Do.	395M	Welcome News	Abd.	...	...	...	...	...	...	...	...	...	...
Do.	103M	Wheel of Fortune North	6	...	...	...	...	...	...	...	...	...	253.00
Do.	109M	Wheel of Fortune North Extended	Ftd.	...	...	...	...	...	...	...	...	...	...
Do.	151M	Wheel of Fortune South Block	6	...	...	...	...	...	...	...	...	...	148.00
Do.	334M	Wrayfield ...	Ftd.	...	...	...	...	...	...	...	...	...	...
Do.	198M	Yuletide ...	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do.	...	Sundry Claims	...	...	...	...	...	...	...	...	...	...	131.00
Mt. Magnet	317M	Birthday ...	a. r. p.	5	3	37	...	...	...	...	...	...	...
Do.	304M	Black Diamond ...	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do.	43M	Bungarra ...	Ftd.	...	...	...	...	...	...	...	...	...	...
Do.	{ 7M, 206M, 257M, 301M, 313M, 315/6M, 324M, 355/6M }	{ Chums Consolidated, Ltd. (late Murchison New Chum G.Ms., Ltd.) }	99	10	...	6	50	1,200	...	...	...	...	2,240.00
Do.	389M	Evening Star ...	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do.	49M, 56M	Gascoyne-Murchison Gold-fields Exploration Co., Ltd.	Ftd.	...	...	...	...	...	...	...	...	...	...
Do.	417M	Gay Parisienne ...	Ftd.	...	...	...	...	...	...	...	...	...	...
Do.	301M	(Golden Age) ...	...	...	...	...	...	...	...	...	...	...	...
Do.	401M (34M)	Homeward Bound ...	Ftd.	...	...	...	...	...	...	...	...	...	...
Do.	457M (43M)	Iguana ...	12	...	...	...	...	...	...	...	...	...	125.00
Do.	370M (63M)	La Perola ...	Abd.	...	...	...	...	...	...	...	...	...	...
Do.	9M	Mayflower G.M., Ltd.	Ftd.	...	...	...	...	...	...	...	...	...	...
Do.	34M, 54M	Monarch leases	Ftd.	...	...	...	...	...	...	...	...	...	...
Do.	523M (401M)	Monarch ...	9	...	...	...	...	...	...	...	...	...	67.00
Do.	314M, 317M, 320M	Morning Star leases	a. r. p.	23	3	37	...	...	...	...	...	...	7,460.00
Do.	64M, 319M, 399M	Mt. Magnet G.M. Co., Ltd.	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do.	448M (9M)	Murchison ...	9	...	...	...	...	...	...	...	...	...	191.00
Do.	26M	New Chum South Extended...	a. r. p.	25	1	30	...	...	...	...	...	...	...
Do.	371M	New Moon ...	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do.	476M	Paris ...	6	...	...	...	...	...	...	...	...	...	354.00
Do.	45M	Pearl of Ben Rose ...	Ftd.	...	...	...	...	...	...	...	...	...	...
Do.	2M	South Pearl ...	Ftd.	...	...	...	...	...	...	...	...	...	...
Do.	63M	Tarquin ...	Ftd.	...	...	...	...	...	...	...	...	...	...
		Carried forward ...	...	80	1	19	...	...	...	...	446.42	...	37,701.00

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

YEAR 1900.		TOTAL PREVIOUS TO 1900.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1900.		
Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	£	s.	d.
ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.			
7,175.34	...	18.03	269.90	12,738.60	15,208.83	...	18.03	706.66	19,298.60	22,384.17	...			
3.90	.60	...	...	...	...	...	...	...	6.50	3.90	.60			
...	...	...	...	51.00	13.13	.25	...	...	51.00	13.13	.25			
...	...	...	...	147.00	71.40	.48	...	...	147.00	71.40	.48			
...	...	...	...	40.00	10.35	.25	...	...	40.00	10.35	.25			
46.46	.34	...	...	...	...	...	...	...	133.50	46.46	.34			
393.39	.68	...	...	507.00	358.38	.70	...	...	1,084.00	751.77	.69			
...			
121.17	5.26	...	...	298.50	772.85	2.58	...	...	321.50	894.02	2.78			
...	...	...	...	6.00	.91	.15	...	...	6.00	.91	.15			
...	...	...	...	49.90	103.10	2.06	...	...	49.90	103.10	2.06			
...	...	...	...	79.00	17.00	.21	...	...	79.00	17.00	.21			
8.10	.57	...	...	...	...	...	...	...	14.00	8.10	.57			
2.00	.18	...	...	...	...	...	...	...	11.00	2.00	.18			
13,814.37	.74	...	...	4,489.25	3,688.04	.82	...	...	23,117.25	17,502.41	.75	3	18	8
28.00	1.55	...	...	169.50	201.58	1.18	...	...	187.50	229.58	1.22			
...	...	...	...	10.00	3.50	.35	...	...	10.00	3.50	.35			
...	...	...	...	26.00	7.47	.28	...	...	26.00	7.47	.28			
...	...	...	...	334.00	205.44	.61	...	...	334.00	205.44	.61			
...	...	...	.62	145.30	257.57	1.77	...	.62	145.30	257.57	1.77			
...	...	...	...	145.00	77.47	.53	...	...	145.00	77.47	.53			
52.70	.54	...	...	...	...	...	...	...	96.00	52.70	.54	3	16	0
...	...	...	...	1,135.00	967.40	.85	...	...	1,135.00	967.40	.85			
...	...	...	...	37.00	8.72	.23	...	...	37.00	8.72	.23			
...	...	...	...	35.00	23.00	.65	...	...	35.00	23.00	.65			
18.97	.55	...	...	...	...	...	...	...	34.00	18.97	.55			
...	...	...	...	13.00	14.00	1.07	...	...	13.00	14.00	1.07			
...	...	...	...	10.00	2.00	.20	...	...	10.00	2.00	.20			
2.40	.34	...	...	9.00	21.00	2.33	...	...	16.00	23.40	1.46			
94.50	1.85	...	...	269.75	248.84	.92	...	9.66	320.75	343.34	1.07	3	17	6
125.20	1.08	...	...	264.00	177.98	.67	...	...	379.00	303.18	.79			
...	...	...	...	22.00	10.05	.45	...	...	22.00	10.05	.45			
...	...	...	...	17.00	1.70	.10	...	...	17.00	1.70	.10			
...	...	...	...	169.00	231.57	1.37	...	...	169.00	231.57	1.37			
...	...	...	...	23.00	12.05	.52	...	...	23.00	12.05	.52			
1,691.04	3.69	...	2,550.20	860.00	1,198.60	1.39	...	2,550.20	1,318.00	2,889.64	2.19	3	19	6
...	...	...	...	31.00	6.85	.22	...	...	31.00	6.85	.22			
449.95	1.77	...	...	528.00	1,396.60	2.64	...	...	781.00	1,846.55	2.36			
...	...	...	...	34.00	57.75	1.69	...	...	34.00	57.75	1.69			
690.80	4.66	...	...	198.50	772.18	3.89	...	...	346.50	1,462.98	4.22	3	17	11
...	...	...	...	114.75	133.00	1.15	...	...	114.75	133.00	1.15			
...	...	...	...	54.00	42.18	.78	...	...	54.00	42.18	.78			
91.22	...	...	...	141.25	105.89	...	...	...	272.25	197.11	...			
...	...	...	...	184.50	30.92	.16	...	...	184.50	30.92	.16			
...	...	...	...	39.00	33.95	.87	...	...	39.00	33.95	.87			
...	...	...	...	88.00	59.90	.68	...	...	88.00	59.90	.68			
2,974.09	1.32	...	...	9,055.00	24,314.11	2.68	...	...	11,295.00	27,288.20	2.41	3	16	6
...	...	...	...	30.00	5.25	.17	...	...	30.00	5.25	.17			
...	...	...	...	19.25	4.37	.22	...	...	19.25	4.37	.22			
...	...	...	...	534.85	160.21	.29	...	...	534.85	160.21	.29			
...	...	...	...	77.00	109.65	1.42	...	...	77.00	109.65	1.42			
...	...	...	...	76.50	148.16	1.93	...	...	76.50	148.16	1.93			
112.45	.88	...	...	111.00	195.65	1.76	...	...	236.00	308.10	1.30	4	3	9
...	...	...	...	41.00	36.85	.89	...	...	41.00	36.85	.89			
...	...	...	...	174.00	287.98	1.65	...	...	174.00	287.98	1.65			
...	...	...	...	298.00	180.50	.60	...	...	298.00	180.50	.60			
21.65	.32	...	...	...	...	...	...	...	67.00	21.65	.32			
6,233.67	.83	...	...	47,281.00	24,524.62	.51	...	...	54,741.00	30,758.29	.56	3	12	10
...	...	...	...	2,759.00	2,261.68	.81	...	...	2,759.00	2,261.68	.81			
188.17	.98	...	...	291.00	316.97	1.08	...	...	482.00	505.14	1.04			
...	...	...	...	163.00	28.70	.17	...	...	163.00	28.70	.17			
...	...	...	...	286.00	187.20	.65	...	...	286.00	187.20	.65			
166.95	.47	...	...	79.00	88.91	1.12	...	...	433.00	255.86	.59			
...	...	...	...	66.00	33.25	.50	...	...	66.00	33.25	.50			
...	...	...	...	11.00	12.45	1.13	...	...	11.00	12.45	1.13			
...	...	...	...	50.00	25.00	.50	...	...	50.00	25.00	.50			
34,506.40	...	18.03	2,820.72	84,915.40	79,474.66	...	18.03	3,267.14	122,616.40	113,981.15	...			

TABLE IV.—Return of all

Murchison

MOUNT MAGNET

MINING CENTRE.	NUMBER OF LEASE.	REGISTERED NAME OF LEASE OR COMPANY.	Area in Acres.	PARTICULARS OF PLANT.							TOTAL FOR		
				Milling.		Cyaniding.					Alluvial.	Dolled and Specimens	Ore treated.
				Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.	ozs.				ozs.	tons.
		Brought forward ...	...	80	1	19	tons	tons	...	...	446.42	37,701.00
Mt. Magnet ...	120M, 339M ...	Western Syndicate, Ltd. ...	24	10	...	...	...	...	...	...	...	438.00
Do. ...	29M ...	White Rose No. 1 North ...	V.N.P.	...	...	...	...	...	...	...	...	...
Do. ...	...	Sundry Claims ...	...	...	...	...	...	...	...	...	...	266.00
Mt. Magnet East	367M ...	Christmas Gift ...	12	...	...	...	...	...	...	...	...	13.50
Do. ...	...	Government Public Battery ...	...	5	...	...	...	...	...	...	...	...
Do. ...	388M ...	Hannah May ...	6	...	...	...	...	...	...	23	...	26.75
Do. ...	415M ...	Havela ...	12	...	...	...	...	...	...	...	...	55.00
Do. ...	414M ...	Johnston's Treasure ...	6	...	...	...	...	...	...	...	...	50.00
Do. ...	460M ...	Killarney ...	12	...	...	...	...	...	...	...	...	307.00
Do. ...	471M ...	Lady Margaret ...	5	...	...	...	...	...	...	10.92	...	...
Do. ...	472M ...	Lady Margaret West ...	5	...	...	...	...	...	...	...	...	...
Do. ...	416M ...	Lady Maud ...	12	...	1	...	...	...	...	...	...	39.00
Do. ...	381M ...	Mount Ford ...	6	...	...	...	...	...	...	...	...	8.00
Do. ...	461M ...	Pioneer ...	V.N.P.	...	...	...	...	...	...	...	...	...
Do. ...	406M ...	Sampey's Hidden Secret ...	V.N.P.	...	...	...	...	...	...	...	...	...
Do. ...	382M ...	South Australian ...	12	...	...	...	...	...	...	...	...	30.00
Do. ...	413M ...	Surprise ...	12	...	...	...	...	...	...	13.65	...	55.00
Do. ...	340M ...	(Windsor Castle) ...	...	...	...	...	...	...	...	...	...	...
Do. ...	340M, 451M, 468	Windsor Consold. (W.A.) G.Ms., Ltd.	42	20	...	...	...	...	...	...	...	530.00
Do. ...	...	Sundry Claims ...	...	...	...	...	...	...	...	5.50	...	66.50
Moyagee ...	326M ...	Louise ...	12	...	...	...	...	...	...	...	...	...
Do. ...	101M ...	Waratah ...	Abd.	...	...	...	...	...	...	...	...	...
Do. ...	...	Sundry Claims ...	...	...	...	...	...	...	...	...	...	...
Warringee ...	302M ...	Agnes ...	Abd.	...	...	...	...	...	...	...	...	...
Do. ...	465M (379M) ...	Empress ...	6	...	...	...	...	...	...	...	...	242.00
Do. ...	343M ...	Galtee More ...	12	...	...	...	...	...	...	...	...	977.00
Do. ...	201M ...	Golden Gem ...	6	...	...	...	...	...	...	5.50	...	55.00
Do. ...	348M ...	Klondyke ...	V.N.P.	...	...	...	...	...	...	...	...	...
Do. ...	379M ...	Lady Brassey ...	Ftd.	...	...	...	...	...	...	...	...	...
Do. ...	322M ...	Magnet Gem ...	V.N.P.	...	...	...	...	...	...	...	...	...
Do. ...	278M ...	Royal Surprise ...	Ftd.	...	...	...	...	...	...	...	...	...
Do. ...	359M ...	St. Albans ...	Abd.	...	...	...	...	...	...	...	...	...
Do. ...	384M ...	St. Albans South ...	Abd.	...	...	...	...	...	...	...	...	...
Do. ...	431M ...	Viking ...	Abd.	...	...	...	...	...	...	...	...	...
Do. ...	341M ...	Warringee ...	12	...	...	...	...	...	...	2.60	...	29.00
Do. ...	...	Sundry Claims ...	...	...	...	...	...	...	...	...	...	5.00
From District generally—													
Sundry parcels treated at Murchison New Chum Works ...			...	...	...	...	...	...	...	...	...	...
Do.	do.	Australian Gold Recovery Works	...	...	...	...	...	...	...	...	...	...
Total ...			...	115	2	19	...	...	...	...	484.82	40,893.75

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

YEAR 1900.		TOTAL PREVIOUS TO 1900.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1900.
Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	
ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	£ s. d.
34,506.49	...	18.03	2,820.72	84,915.40	79,474.66	...	18.03	3,267.14	122,616.40	113,981.15	...	
1,033.02	2.35	...	...	304.00	203.81	.67	...	...	742.00	1,236.83	1.66	4 1 0
...	...	...	...	51.00	5.65	.11	...	...	51.00	5.65	.11	
157.67	...	...	23.07	1,401.60	2,140.00	...	...	23.07	1,667.60	2,297.67	...	
17.30	1.28	...	77.50	14.30	45.00	3.14	...	77.50	27.80	62.30	2.24	
...	
7.55	.28	...	5.00	19.75	8.18	.41	...	5.23	46.50	15.73	.33	
33.32	.60	...	247.74	26.00	11.10	.42	...	247.74	81.00	44.42	.54	
30.15	.60	...	11.40	34.00	66.40	1.95	...	11.40	84.00	96.55	1.14	
193.50	.63	...	...	17.00	32.45	1.90	...	...	324.00	225.95	.69	
...	...	...	12.48	4.00	6.31	1.57	...	23.40	4.00	6.31	1.57	
...	...	...	.66	...	...	...	...	.66	...	...	...
46.40	1.18	...	5.00	51.00	54.40	1.06	...	5.00	90.00	100.80	1.12	
65.10	8.13	...	...	11.00	59.58	5.41	...	...	19.00	124.68	6.56	
...	...	...	...	14.00	3.50	.25	...	...	14.00	3.50	.25	
...	...	...	2.85	3.25	12.20	3.75	...	2.85	3.25	12.20	3.75	
14.55	.48	...	272.55	20.50	49.30	2.40	...	272.55	50.50	63.85	1.26	
45.00	.81	69.50	141.35	52.00	166.67	3.20	69.50	155.00	107.00	211.67	1.97	
...	...	...	2.05	4.70	13.85	2.94	...	2.05	4.70	13.85	2.94	
167.50	.31	...	...	...	...	...	...	...	530.00	167.50	.31	
60.20	...	...	.80	82.00	45.39	...	...	6.30	148.50	105.59	...	
...	...	...	...	157.00	203.13	1.29	...	...	157.00	203.13	1.29	
...	...	...	...	112.50	60.08	.53	...	...	112.50	60.08	.53	
...	...	...	...	5.00	.50	...	...	...	5.00	.50	...	
...	...	...	...	13.00	4.15	.31	...	...	13.00	4.15	.31	
673.20	2.78	...	...	72.00	38.46	.53	...	...	314.00	711.66	2.26	4 1 0
557.95	.57	...	...	520.00	312.13	.60	...	...	1,497.00	870.08	.58	4 0 2
214.50	3.90	...	...	294.50	273.35	.92	...	5.50	349.50	487.85	1.39	4 2 2
...	...	...	29.65	36.00	113.26	3.14	...	29.65	36.00	113.26	3.14	
...	...	...	...	97.00	203.35	2.09	...	...	97.00	203.35	2.09	
...	...	...	...	22.00	14.18	.64	...	...	22.00	14.18	.64	
...	...	...	...	36.00	9.79	.27	...	...	36.00	9.79	.27	
...	...	...	...	45.00	56.20	1.24	...	...	45.00	56.20	1.24	
...	...	...	...	105.00	90.80	.86	...	...	105.00	90.80	.86	
...	...	...	...	20.75	25.58	1.23	...	...	20.75	25.58	1.23	
36.49	1.25	...	...	48.00	36.34	.75	...	2.60	77.00	72.83	.94	3 17 6
4.11	...	...	13.50	129.00	134.50	...	...	13.50	134.00	138.61	...	
...	...	...	...	...	1,382.75	...	...	...	...	1,382.75	...	
cy. 2,401.15	...	...	...	...	...	...	...	...	...	2,420.55	...	
19.40	...	...	...	...	...	...	...	...	...	...	...
40,284.55	.98	87.53	3,666.32	88,738.25	85,357.00	.96	87.53	4,151.14	129,632.00	125,641.55	.96	

TABLE IV.—Return of all

Yalgoo

MINING CENTRE.	NUMBER OF LEASE.	REGISTERED NAME OF LEASE OR COMPANY.	Area in Acres.	PARTICULARS OF PLANT.							TOTAL FOR		
				Milling.		Cyaniding.					Alluvial.	Dollied and Specimens	Ore treated.
				Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.	ozs.				ozs.	tons.
							tons.	tons.		ozs.	ozs.	tons.	
Bilberatha ...	75/6, 146, 235 ...	Joker (Yalgoo) G.M.'s., Ltd.	V.N.P.										
Carlaminda ...	434 (230) ...	Carlaminda ...	Abd.										
Do. ...	444 (433, 434) ...	Carlaminda ...	12									117'00	
Do. ...	433 (228) ...	Carlaminda North ...	Abd.										
Do. ...	26/7, 228, 230 ...	Dollar Gold Mines, Ltd. ...	Abd.										
Do. ...	388 ...	Gladstone ...	V.N.P.										
Do. ...	9, 85, 233 ...	Yalgoo Propy. G.Ms., Ltd.	Surr.										
Do. ...		Sundry Claims ...										40'00	
Field's Find ...	441/3 ...	Field's Find G.Ms., Ltd.	60	20								9,145'00	
Do. ...	392 ...	Golden Eagle ...	12										
Do. ...	446/8 ...	Pinyalling Discovery G.Ms., Ltd.	72								250'00		
Do. ...	Q.P.P.A. 80 ...	Undaunted ...	6		pr.1								
Do. ...		Sundry Claims ...									39'00	8'00	
Gullewa ...	449 (73) ...	Durham ...	6									270'00	
Do. ...	253 ...	Golden Stream ...	Abd.										
Do. ...	59 ...	Lady Elizabeth ...	Ftd.										
Do. ...	170/1, 174 ...	(Monarch G.M. Syndicate)											
Do. ...	34, 53/4, 445 ...	Phoenix G.Ms., Ltd.	48	10								2,653'00	
Do. ...	73 ...	Shannardor ...	Ftd.										
Do. ...		Sundry Claims ...										30'00	
Kirkalucka ...		Sundry Claims ...										8'80	
Noongal ...	379 ...	Enterprise G.M. Syndicate	V.N.P.										
Do. ...	431 (41) ...	Globe ...	V.N.P.									150'00	
Do. ...	229 ...	May Queen ...	V.N.P.										
Do. ...	382, 406 (231) ...	Melville G.M. Syndicate ...	Surr.										
Do. ...	41 ...	Mystery ...	Ftd.										
Do. ...	436 ...	Star of Melville ...	V.N.P.									10'00	
Do. ...	439 (382), 440 (406), Q.C. 30	Victoria United leases ...	12	5								355'00	
Do. ...	231 ...	W.A. Venture Syndicate, Ltd.	Abd.										
Do. ...		Sundry Claims ...										30'00	
Pinyalling ...	159 ...	Nyngan ...	V.N.P.										
Do. ...		Sundry Claims ...											
Rothesay ...	14, 147/9, 192/3, 209, 210, 213, 220, 244, 254, 400, R.C. 4	Woodley's G.Ms., Ltd.	a. r. p. 162 1 24	20								1,041'00	
Wadgingarra ...	316 ...	Adelaide ...	V.N.P.										
Do. ...	461 (386) ...	Broken Mount ...	12									8'50	
Do. ...	462 ...	Broken Mount North ...	12									1'90	
Do. ...	199 ...	Carlisle ...	Ftd.										
Do. ...	386 (199) ...	Carlisle ...	V.N.P.										
Do. ...	383 ...	Crescent ...	12									94'00	
Yalgoo ...	437 (17) ...	Caledonia ...	Abd.									18'00	
Do. ...	189, 401 ...	Emerald Reward G.M. Co., Ltd.	12									30'00	
Do. ...	129 ...	Emerald Reward Consolidated	25	5	h1							92'00	
Do. ...	57 ...	Empire... ..	Ftd.										
Do. ...	423 ...	Endeavour ...	Ftd.										
Do. ...	451 (423, 437) ...	Last Try ...	Abd.									24'00	
Do. ...	51 ...	Prince George ...	V.N.P.										
Do. ...	261 ...	Queen of Yalgoo ...	V.N.P.										
Do. ...	426 ...	Star of Hope ...	V.N.P.										
Do. ...	428 (57) ...	United Kingdom ...	V.N.P.										
Do. ...	17 ...	Gullewa Queen ...	Ftd.										
Do. ...	425 (261) ...	Yalgoo Queen... ..	Abd.										
Do. ...		Sundry Claims ...											
Yuin ...	409, 410, 421, 427, 430, M.A. 8	Royal Standard leases ...	25		t 3							1,470'00	
From Goldfield generally—													
Sundry parcels treated at Government Public Battery ...													
Do. do. Victorian United Battery ...													
Total ...				60	5						289'00	15,596'20	

Ore Treated, etc.—continued.

Goldfield.

YEAR 1900.		TOTAL PREVIOUS TO 1900.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1900.
Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	
ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	£ s. d.
...	...	...	...	554.00	221.52	.39	...	...	554.00	221.52	.39	...
...	...	...	...	265.00	167.82	.63	...	...	265.00	167.82	.63	...
65.81	.56	...	...	...	...	...	...	...	117.00	65.81	.56	3 17 3
...	...	...	...	54.00	30.95	.57	...	...	54.00	30.95	.57	...
...	...	...	...	6.32	6.44	1.02	...	...	6.32	6.44	1.02	...
...	...	...	...	26.00	18.40	.70	...	...	26.00	18.40	.70	...
...	...	...	...	157.00	113.16	.72	...	...	157.00	113.16	.72	...
22.45	...	...	...	74.00	60.17	...	...	...	114.00	82.62	...	...
5,852.20	.63	...	...	8,413.00	6,164.04	.73	...	...	17,558.00	12,016.24	.68	3 13 3
...	...	...	...	127.00	45.93	.36	...	...	127.00	45.93	.36	...
...	...	...	...	...	...	...	...	250.00	...	...	...	...
...	...	...	...	45.25	39.02	...	...	39.00	...	...	...	...
10.50	...	...	...	...	...	...	...	...	53.25	49.52	...	...
212.55	.78	...	...	...	...	...	...	...	270.00	212.55	.78	3 15 0
...	...	...	...	10.00	3.60	.36	...	...	10.00	3.60	.36	...
...	...	...	...	64.00	5.50	.08	...	...	64.00	5.50	.08	...
...	...	...	...	12.00	9.60	.80	...	...	12.00	9.60	.80	...
2,125.60	.80	...	...	3,186.50	3,697.40	1.16	...	...	5,839.50	5,823.00	.99	3 15 0
...	...	...	...	60.00	90.70	1.51	...	...	60.00	90.70	1.51	...
8.70	.29	...	...	...	...	...	...	...	30.00	8.70	.29	...
4.60	...	...	...	...	...	...	...	...	8.80	4.60	...	...
...	...	...	...	39.50	15.50	.39	...	...	39.50	15.50	.39	...
56.20	.37	...	16.50	179.00	175.96	.98	...	16.50	329.00	232.16	.70	...
...	...	...	...	333.00	87.75	.26	...	...	333.00	87.75	.26	...
...	...	...	...	518.00	327.28	.63	...	...	518.00	327.28	.63	...
...	...	...	...	174.00	143.70	.82	...	...	174.00	143.70	.82	...
3.00	.30	...	...	29.00	24.50	.84	...	...	39.00	27.50	.70	...
152.47	.42	...	...	...	...	...	...	...	355.00	152.47	.42	3 15 0
...	...	...	...	765.00	491.06	.64	...	...	765.00	491.06	.64	...
11.20	...	...	...	183.00	157.51	...	...	...	213.00	168.71	...	...
...	...	...	...	1.00	7.00	7.00	...	...	1.00	7.00	7.00	...
...	...	...	...	18.00	26.30	...	...	...	18.00	26.30	...	...
{ 243.70 } { pl. 55.66 }	.29	...	...	7,925.00	2,518.65	.31	...	...	8,966.00	2,818.01	.31	3 12 7
...	...	...	...	10.00	2.03	.20	...	...	10.00	2.03	.20	...
12.20	1.43	...	...	...	...	...	...	...	8.50	12.20	1.43	...
20.38	...	...	...	...	...	...	...	...	1.90	20.38	...	...
...	...	...	...	45.00	21.65	.48	...	...	45.00	21.65	.48	...
...	...	...	...	43.00	20.28	.47	...	...	43.00	20.28	.47	...
88.95	.94	...	...	110.91	83.39	.75	...	...	204.91	172.34	.84	3 5 0
18.25	1.01	...	...	72.00	69.59	.96	...	...	90.00	87.84	.97	3 6 0
27.10	.90	...	...	2,354.00	9,410.54	3.99	...	...	2,384.00	9,437.64	3.95	3 17 6
121.65	1.32	...	...	...	...	...	...	...	92.00	121.65	1.32	...
...	...	...	...	10.00	10.00	1.00	...	...	10.00	10.00	1.00	...
...	...	...	...	95.00	29.65	.31	...	...	95.00	29.65	.31	...
12.00	.50	...	...	...	...	...	...	...	24.00	12.00	.50	...
...	...	...	...	198.00	44.14	.22	...	...	198.00	44.14	.22	...
...	...	...	...	6.00	6.00	1.00	...	...	6.00	6.00	1.00	...
...	...	...	...	23.00	16.66	.72	...	...	23.00	16.66	.72	...
...	...	...	...	48.00	21.13	.44	...	...	48.00	21.13	.44	...
...	...	...	...	617.00	276.60	.44	...	...	617.00	276.60	.44	...
...	...	...	...	134.50	125.66	.93	...	...	134.50	125.66	.93	...
...	...	...	...	14.00	4.19	...	...	...	14.00	4.19	...	...
687.69	.46	...	...	850.00	571.51	.67	...	...	2,320.00	1,259.20	.54	3 17 10
...	...	...	...	609.00	719.00	...	...	...	609.00	719.00	...	...
...	...	...	...	55.00	19.70	...	...	...	55.00	19.70	...	...
9,812.86	.62	...	16.50	28,512.98	26,101.18	.91	...	305.50	44,109.18	35,914.04	.81	...

TABLE IV.—Return of all

Mount Margaret

MOUNT MALCOLM

MINING CENTRE.	NUMBER OF LEASE.	REGISTERED NAME OF LEASE OR COMPANY.	Area in Acres.	PARTICULARS OF PLANT.						TOTAL FOR			
				Milling.		Cyaniding.				Alluvial.	Dollied and Specimens.	Ore treated.	
				Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.				ozs.	ozs.	tons.
Diorite King ...	535c ...	Blue Gown (Diorite King Consols, Ltd.)	12				t	tons.					
Do. ...	474c ...	Blue Jacket (Diorite King Consols, Ltd.)	24									71.50	
Do. ...	197c ...	Calcutta ...	V.N.P.									123.45	
Do. ...	438c ...	Chicago East ...	V.N.P.										
Do. ...	23c, 24c ...	Darlôt Exploration Co. of W.A., Ltd.	Ftd.									85.00	
Do. ...	403c ...	Derby ...	Abd.										
Do. ...	18c, M.A. 1c ...	Diorite King (Diorite King Consols, Ltd.)	12	15								17.00	
Do. ...	533c ...	Golden King ...	Wdn.										
Do. ...	335c, 528c, 574c, 583c	King of the Hills G.M. Co., Ltd. (late Harquahala G.M. Co.)	78	20		4	25	750				2,614.00	
Do. ...	777c (24c)	Kiora ...	12									70.00	
Do. ...	291c, 292c	Middlesex leases (Diorite King Consols, Ltd.)	V.N.P.										
Do. ...	720c	Morning Star ...	V.N.P.										
Do. ...	547c	Moynalty ...	V.N.P.									16.00	
Do. ...	441c, 442c	Mt. Stirling leases	24	10								970.00	
Do. ...	439c	Paroo ...	Ftd.										
Do. ...	599c	Queen of the Hills ...	V.N.P.										
Do. ...	443c	Rose of Tralee ...	V.N.P.										
Do. ...	433c	Terrible Blow ...	V.N.P.										
Do. ...	643c (443c)	Werrigan ...	24									85.50	
Do. ...	305c	Wonder ...	18									76.00	
Do. ...	467c	Worcester ...	V.N.P.										
Do. ...	306c	Young Australian ...	Ftd.										
Do. ...	623c (306c)	Young Australian	V.N.P.										
Do. ...		Sundry Claims										60.00	
Dodgers Well ...	458c	Bung Eye ...	V.N.P.										
Do. ...	462c	Glen Lyon ...	V.N.P.										
Do. ...	256c	Great Surprise ...	Abd.										
Do. ...	521c (256c)	Great Surprise	V.N.P.										
Do. ...	582c	Northern Champion G.M. Co., N.L.	V.N.P.										
Leonora ...	679c (503c)	Ashley's United ...	6									94.00	
Do. ...	465c	Clarence ...	Ftd.										
Do. ...	731c (465c)	Clarence ...	12									58.00	
Do. ...	689c	Clifton Hill ...	V.N.P.									60.00	
Do. ...	522c	Comet ...	Abd.										
Do. ...	585c	Croyden ...	Ftd.										
Do. ...	769c	Easter Gift ...	12									14.00	
Do. ...	708c	Fitzgerald's Amalgamated ...	Wdn.										
Do. ...	562c	Flanders ...	V.N.P.										
Do. ...	210c	Forest ...	24										
Do. ...		Government Public Battery		10									
Do. ...	546c	Great Boston ...	a. r. p.	23	3	3						80.00	
Do. ...	704c	Grey Lode ...	V.N.P.										
Do. ...	558c	Gwalia Gem ...	Ftd.										
Do. ...	737c (558c)	Gwalia Gem ...	Ftd.									12.00	
Do. ...	503c	Lady Lena ...	Ftd.										
Do. ...	520c	Lady Lena North	V.N.P.										
Do. ...	795c	British Legation ...	18									7.00	
Do. ...	195/6c	Leonora Gold Blocks...	36	10		3	15	300				661.00	
Do. ...	92/5c, 183c	Mount George leases	105	10								622.00	
Do. ...	826c	New Year's Surprise...	15									7.00	
Do. ...	218c, 219c	Octagon Explorers, Ltd.	48									1,152.00	
Do. ...	771c	Ottawa...	12									28.00	
Do. ...	354c	Otterburn ...	V.N.P.										
Do. ...	618c	Pride of Leonora ...	12									320.00	
Do. ...	649c	Pride of Leonora North	12										
Do. ...	455c	Rajah...	Ftd.										
Do. ...	589c	Reliance ...	V.N.P.									28.00	
Do. ...	730c	Richmond ...	12									94.00	
Do. ...	802c	Riviera ...	5									111.19	
Do. ...	621c	Savannah ...	V.N.P.										
Do. ...	577c	Sallywag ...	V.N.P.									6.00	
Do. ...	711c (556c)	Shannon ...	V.N.P.										
Do. ...	725c	Sheffield ...	V.N.P.									6.00	
Do. ...	526c	Sons of Australia ...	18									184.00	
Do. ...	190c, 207c	Sons of Gwalia, Ltd.	48	60		23						47,440.00	
		Carried forward ...		135		30						111.19	55,061.45

Ore Treated, etc.—continued.

Goldfield.

DISTRICT.

YEAR 1900.		TOTAL PREVIOUS TO 1900.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1900.
Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	
ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	£ s. d.
...	...	...	...	235.00	144.50	.61	...	...	235.00	144.50	.61	
50.60	.70	...	...	79.00	168.65	2.13	...	...	150.50	219.25	1.45	
78.17	.63	...	...	63.00	93.00	1.47	...	...	186.45	171.17	.91	
...	...	...	...	18.00	51.30	2.85	...	...	18.00	51.30	2.85	
84.65	.99	...	...	165.00	315.88	1.91	...	...	250.00	400.53	1.60	
...	...	...	...	20.00	20.28	1.01	...	...	20.00	20.28	1.01	
22.90	1.34	...	...	614.23	1,781.74	2.90	...	...	631.23	1,804.64	2.85	
...	...	...	...	4.80	8.54	1.77	...	...	4.80	8.54	1.77	
{ 1,638.60 pl. 232.35 }	.71	...	355.00	1,666.75	1,027.23	.61	...	355.00	4,280.75	2,898.18	.67	3 0 0
23.00	.32	...	...	...	...	...	...	...	70.00	23.00	.32	3 14 6
...	...	...	...	260.00	260.65	1.00	...	...	260.00	260.65	1.00	
...	...	...	...	32.00	24.73	.77	...	...	32.00	24.73	.77	
21.70	1.35	...	...	496.50	293.70	.59	...	...	512.50	315.40	.61	
1,171.80	1.20	...	...	212.00	364.90	1.72	...	...	1,182.00	1,536.70	1.30	
...	...	...	...	81.00	71.18	.87	...	...	81.00	71.18	.87	
...	...	...	...	77.00	153.00	1.98	...	...	77.00	153.00	1.98	
...	...	...	...	16.00	36.35	2.27	...	...	16.00	36.35	2.27	
...	...	...	...	16.00	38.25	2.39	...	...	16.00	38.25	2.39	
215.15	2.51	...	...	53.50	113.50	2.12	...	...	139.00	328.65	2.36	
35.20	.46	...	58.53	145.75	4,516.13	...	...	58.53	221.75	4,581.33	...	
...	...	...	...	23.00	18.00	.78	...	...	23.00	18.00	.78	
...	...	...	...	38.90	61.25	1.57	...	...	38.90	61.25	1.57	
...	...	...	...	75.60	88.30	1.16	...	...	75.60	88.30	1.16	
63.61	...	...	...	84.50	202.03	...	...	...	144.50	265.64	...	
...	...	...	60.00	13.00	30.23	2.32	...	60.00	13.00	30.23	2.32	
...	...	...	...	37.00	93.48	2.52	...	...	37.00	93.48	2.52	
...	...	...	...	30.00	47.46	1.58	...	...	30.00	47.46	1.58	
...	...	...	...	22.00	38.71	1.76	...	...	22.00	38.71	1.76	
...	...	...	...	65.50	33.63	.51	...	...	65.50	33.63	.51	
132.25	1.40	...	...	15.00	50.48	3.36	...	...	109.00	182.73	1.67	3 11
...	...	...	...	12.75	9.30	.72	...	...	12.75	9.30	.72	
62.80	1.08	...	...	...	...	...	...	...	58.00	62.80	1.08	
48.20	.80	...	...	10.00	10.27	1.02	...	...	70.00	58.47	.83	3 17 6
...	...	...	...	47.00	66.54	1.41	...	...	47.00	66.54	1.41	
...	...	...	...	182.00	51.26	.28	...	...	182.00	51.26	.28	
2.65	.18	...	...	...	...	...	...	...	14.00	2.65	.18	
...	...	...	...	50.00	9.15	.18	...	...	50.00	9.15	.18	
...	...	...	...	23.25	10.40	.44	...	...	23.25	10.40	.44	
...	...	...	66.25	691.00	1,139.03	1.64	...	66.25	691.00	1,139.03	1.64	
...	
40.40	.50	...	...	199.00	73.05	.36	...	...	279.00	113.45	.40	
...	...	...	...	64.00	19.09	.29	...	...	64.00	19.09	.29	
...	...	...	...	68.00	35.46	.52	...	...	68.00	35.46	.52	
6.80	.56	...	...	...	...	...	...	...	12.00	6.80	.56	
...	...	...	...	24.00	37.4	1.55	...	...	24.00	37.40	1.55	
...	...	...	...	34.50	44.08	1.27	...	...	34.50	44.08	1.27	
7.75	1.10	...	...	...	...	...	...	...	7.00	7.75	1.10	
693.60	1.04	...	...	3,231.00	6,263.16	1.93	...	...	3,892.00	6,956.76	1.78	3 5
273.25	.43	...	25.00	1,989.00	1,877.18	.94	...	25.00	2,611.00	2,150.43	.82	
61.00	8.71	...	...	...	...	...	...	...	7.00	61.00	8.71	
485.15	.42	...	...	258.00	104.95	.40	...	...	1,410.00	590.10	.41	
14.75	.52	...	...	...	...	...	...	...	28.00	14.75	.52	
...	...	...	...	2.50	2.16	.86	...	...	2.50	2.16	.86	
363.45	1.13	...	...	271.00	271.95	1.00	...	...	591.00	635.40	1.07	
...	...	...	...	18.00	6.45	.35	...	...	18.00	6.45	.35	
...	...	...	...	18.60	36.95	1.98	...	...	18.60	36.95	1.98	
7.40	.26	...	...	155.25	89.93	.57	...	...	183.25	97.33	.53	
102.75	1.09	...	...	30.00	34.56	1.15	...	...	124.00	137.31	1.10	
...	...	...	...	121.00	85.98	.71	...	111.19	121.00	85.98	.71	
3.00	.50	...	...	...	...	...	...	...	6.00	3.00	.50	
...	...	...	...	78.00	27.29	.34	...	...	78.00	27.29	.34	
22.30	3.71	...	...	10.30	15.55	1.50	...	...	16.30	37.85	2.32	
207.25	1.12	...	...	357.50	574.72	1.60	...	...	541.50	781.97	1.44	3 16 2
53,589.41	1.17	...	...	36,842.00	42,736.28	1.16	...	...	84,282.00	96,325.69	1.14	3 14 9
59,761.89	...	...	564.78	49,447.68	63,809.22	...	...	675.97	104,509.13	123,571.11	...	

TABLE IV.—Return of all

Mount Margaret

MOUNT MALCOLM

MINING CENTRE.	NUMBER OF LEASE.	REGISTERED NAME OF LEASE OR COMPANY.	Area in Acres.	PARTICULARS OF PLANT.							TOTAL FOR		
				Milling.		Cyaniding.					Alluvial.	Dolled and Specimens	Ore treated.
				Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.	ozs.				ozs.	tons.
		Brought forward ...	...	135	...	30	tons.	tons.	...	ozs.	ozs.	111-19	55,061-45
Leonora	772c	Supreme	Wdn.	...	...	...	...	...	...	...	...	...	12-00
Do.	263c (482c)	Trump	18	5	...	...	...	...	...	...	...	...	1,455-00
Do.	625c	Turn of the Tide	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do.	556c	Waimata	Ftd.	...	...	...	...	...	...	...	...	...	...
Do.	627c	Wyangle	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do.	...	Sundry Claims	...	...	...	...	...	...	...	...	...	...	175-75
Malcolm	406c	Deerah	Ftd.	...	...	...	...	...	...	...	...	...	...
Do.	212c	Dover Castle	18	...	tl	...	...	...	...	...	...	...	63-00
Do.	722c	Dumbarton	24	...	...	...	...	...	...	...	...	...	111-00
Do.	452c	Flying Pig	12	...	...	...	...	...	...	...	...	...	69-00
Do.	756c	Golden Crown	18	...	...	...	...	...	...	...	...	...	247-00
Do.	33c	Golden Prize	Ftd.	...	...	...	...	...	...	...	...	...	...
Do.	355c	Golden Sunset	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do.	568c	Great Barrington	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do.	459c	Gwalia Bach	Ftd.	...	...	...	...	...	...	...	...	...	...
Do.	773c	Mafeking	6	...	...	...	...	...	...	...	...	...	16-00
Do.	576c (146c)	Malcolm Belle	Ftd.	...	...	...	...	...	...	...	...	...	...
Do.	593c	Malcolm King	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do.	147c	Malcolm Mohr	Ftd.	...	...	...	...	...	...	...	...	...	...
Do.	717c	Mt. Malcolm Great Northern Ltd.	Surr.	...	...	...	...	...	...	...	...	...	...
Do.	637c, (147c)	Midas	24	5	...	...	...	...	...	...	...	...	370-80
Do.	2c, 3c, 26c	North Star G.M.s., Ltd.	36	20	cr. 1	...	...	...	...	...	...	...	5,076-00
Do.	703c (576c)	Ophir	12	...	...	...	...	...	...	...	...	...	82-50
Do.	534c	Pig and Whistle	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do.	548c	Primrose Day	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do.	12c, 634c	Richmond Gem G.M. Co., N.L.	36	10	...	...	...	...	...	...	...	...	48-00
Do.	580c	Shotover	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do.	596c	(South Star)	...	...	...	...	...	...	...	...	...	...	...
Do.	146c	Sunday	Ftd.	...	...	...	...	...	...	...	...	...	...
Do.	617c	Whispering Hope	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do.	34c	Windsor Castle	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do.	...	Sundry Claims	...	...	...	...	...	...	...	...	...	...	111-50
Mertondale	645c	Merton's Consols	12	...	...	...	...	...	...	...	...	...	...
Do.	664c	Merton's South	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do.	638c, R.C. 1c	Merton's Reward North	24	20	...	...	...	...	...	...	...	...	5,200-00
Do.	648c	(Merton's Reward No. 1 North)	...	...	...	...	...	...	...	...	...	...	53-00
Do.	656c	Murtin's Reward West	12	...	...	...	...	...	...	...	...	...	...
Mt. Flora	751c	All United	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do.	125c, 126c	Australia United Mining Co., Ltd.	36	10	...	8	20	600	...	...	...	...	2,794-00
Do.	368c	Bow Bells	Ftd.	...	...	...	...	...	...	...	...	...	...
Do.	797c	Grey Hills	12	...	...	...	...	...	...	...	...	...	23-50
Do.	591c	Imperial Extended	Ftd.	...	...	...	...	...	...	...	...	...	...
Do.	760c (591c)	Imperial Extended (Australia United Mining Co., Ltd.)	12	...	...	...	...	...	...	...	...	...	78-00
Do.	541c	(Imperial Reward)	...	...	...	...	...	...	...	...	...	...	...
Do.	541c	Imperial Reward (Australia United Mining Co., Ltd.)	12	...	...	...	...	...	...	...	...	...	613-00
Do.	581c	(Lady Ivy)	...	...	...	...	...	...	...	...	...	...	...
Do.	581c	Lady Ivy (Australia United Mining Co., Ltd.)	24	...	...	...	...	...	...	...	...	...	133-00
Do.	259c	Possible	V.N.P.	...	...	...	...	...	...	...	...	...	87-00
Do.	716c	Princess Iris	12	...	...	...	...	...	...	...	...	...	65-00
Do.	710c (368c)	Probable (Australia United Mining Co., Ltd.)	20	...	...	...	...	...	...	...	...	...	24-00
Do.	693c	Roberts' Find	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do.	779c	Spion Kop	24	...	...	...	...	...	...	...	...	...	10-00
Do.	545c	Thelma	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do.	125c	(United Australian)	...	...	...	...	...	...	...	...	...	...	...
Do.	...	Sundry Claims	...	...	...	...	...	...	...	...	...	...	...
Murrin	563c (240c)	Bendigo New Chum	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do.	88c	Bohemian	Ab4.	...	...	...	...	...	...	...	...	...	...
Do.	565c (88c)	Bohemian	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do.	622c	Estella	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do.	142c, 164c	Golden Prince G.M. Co., N.L.	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do.	630c	Hampton	V.N.P.	...	...	...	...	...	...	...	...	...	18-00
Do.	747c (565c)	Hill End	V.N.P.	...	...	...	...	...	...	...	...	...	16-00
Do.	78c	Keep-it-Dark	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do.	435c	Kilkenny Queen	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do.	690c	Kismet	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do.	240c	Leonidas	Ftd.	...	...	...	...	...	...	...	...	...	...
		Carried forward	...	205	2	38	...	...	...	...	...	111-19	72,124-50

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

YEAR 1900.		TOTAL PREVIOUS TO 1900.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1900.
Gold therefrom.	Average per ton treated.	Alluvial.	Dolled and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dolled and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	
ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	£ s. d.
59,761.89	...	...	564.78	49,447.68	63,809.22	...	...	675.97	104,509.13	123,571.11	...	
5.05	.42	...	...	...	...	...	...	...	12.00	5.05	.42	
3,678.92	2.52	...	...	950.35	2,370.86	2.49	...	...	2,405.35	6,049.78	2.51	3 10 0
...	...	...	...	11.00	3.89	.35	...	...	11.00	3.89	.35	
...	...	...	...	15.00	7.47	.49	...	...	15.00	7.47	.49	
...	...	...	...	12.50	4.56	.36	...	...	12.50	4.56	.36	
149.74	...	...	...	150.25	173.15	...	...	...	326.00	322.89	...	
...	...	...	...	103.00	397.50	3.85	...	...	103.00	397.50	3.85	
23.05	.36	...	...	372.00	413.66	1.11	...	...	435.00	436.71	1.00	
136.55	1.23	...	...	25.00	37.25	1.49	...	...	136.00	173.80	1.27	3 16 10
120.15	1.74	...	...	193.07	585.30	3.03	...	...	262.07	705.45	2.69	
294.95	1.19	...	...	52.00	57.20	1.10	...	...	299.00	352.15	1.17	3 17 10
...	...	...	...	17.00	21.97	1.29	...	...	17.00	21.97	1.29	
...	...	...	...	201.05	352.07	1.75	...	...	201.05	352.07	1.75	
...	...	...	...	19.00	8.65	.45	...	...	19.00	8.65	.45	
...	...	...	...	40.00	59.40	1.48	...	...	40.00	59.40	1.48	
6.00	.37	...	...	...	...	...	...	...	16.00	6.00	.37	
...	...	...	...	133.00	123.78	.93	...	...	133.00	123.78	.93	
...	...	...	...	24.00	4.05	.16	...	...	24.00	4.05	.16	
...	...	...	...	373.50	262.91	.70	...	...	373.50	262.91	.70	
...	...	...	...	50.00	23.00	.46	...	...	50.00	23.00	.46	
643.05	1.73	...	...	433.00	559.26	1.29	...	...	803.80	1,202.31	1.49	3 17 9
4,784.15	.94	...	...	5,217.75	5,397.56	1.03	...	...	10,293.75	10,181.71	.98	3 12 0
69.05	.83	...	...	...	...	...	...	...	82.50	69.05	.83	3 19 0
...	...	...	...	36.00	43.10	1.19	...	...	36.00	43.10	1.19	
...	...	...	...	30.00	54.85	1.82	...	...	30.00	54.85	1.82	
29.40	.61	...	...	1,847.00	2,120.70	1.14	...	...	1,895.00	2,150.10	1.13	3 14 0
...	...	...	...	10.00	5.10	.51	...	...	10.00	5.10	.51	
...	...	...	...	133.00	146.10	1.09	...	...	133.00	146.10	1.09	
...	...	...	...	28.00	32.93	1.17	...	...	28.00	32.93	1.17	
...	...	...	...	74.00	61.20	.82	...	...	74.00	61.20	.82	
...	...	...	...	34.00	29.50	.86	...	...	34.00	29.50	.86	
81.65	...	...	...	50.00	74.70	...	...	...	161.50	156.35	...	
...	...	...	...	23.00	77.75	3.38	...	...	23.00	77.75	3.38	
56.45	.50	...	...	...	...	...	...	...	111.00	56.45	.50	3 18 0
8,085.95	1.55	...	...	996.50	3,306.90	3.31	...	...	6,196.50	11,392.85	1.83	3 17 6
19.95	.37	...	...	69.00	82.68	1.19	...	...	122.00	102.63	.84	
...	...	...	...	11.50	17.50	1.52	...	...	11.50	17.50	1.52	
...	...	...	...	18.00	46.70	2.59	...	...	18.00	46.70	2.59	
3,406.72	1.21	...	...	4,094.00	8,308.20	2.02	...	...	6,888.00	11,714.92	1.70	3 13 7
...	...	...	...	24.00	52.40	2.18	...	...	24.00	52.40	2.18	
78.55	3.34	...	...	...	...	...	...	...	23.50	78.55	3.34	
...	...	...	...	9.00	3.75	.41	...	...	9.00	3.75	.41	
19.20	.24	...	...	...	...	...	...	...	78.00	19.20	.24	
...	...	...	...	346.00	1,053.65	3.04	...	...	346.00	1,053.65	3.04	
416.00	.67	...	...	...	...	...	...	...	613.00	416.00	.67	
...	...	...	...	59.00	437.15	7.40	...	...	59.00	437.15	7.40	
137.80	1.03	...	...	333.00	848.15	2.54	...	...	466.00	985.95	2.11	
104.00	1.19	...	1,807.45	171.00	493.89	2.88	...	1,807.45	258.00	597.89	2.31	
80.30	1.23	...	...	40.00	26.55	.66	...	...	105.00	106.85	1.01	
34.85	1.45	...	...	25.00	22.50	.90	...	...	49.00	57.35	1.17	
...	...	...	15.34	...	...	...	...	15.34	...	...	...
53.25	5.32	...	...	...	...	...	...	...	10.00	53.25	5.32	
...	...	...	...	17.00	31.84	1.87	...	...	17.00	31.84	1.87	
...	...	...	...	149.00	163.36	1.09	...	...	149.00	163.36	1.09	
...	...	...	...	66.00	38.96	...	...	...	66.00	38.96	...	
...	...	...	...	108.50	226.18	2.08	...	...	108.50	226.18	2.08	
...	...	...	...	5.00	11.40	2.28	...	...	5.00	11.40	2.28	
...	...	...	...	15.00	7.50	.50	...	...	15.00	7.50	.50	
...	...	...	...	173.00	205.45	1.18	...	...	173.00	205.45	1.18	
...	...	...	...	304.00	154.84	.50	...	...	304.00	154.84	.50	
8.25	.45	...	1.50	36.00	87.00	2.41	...	1.50	54.00	95.25	1.76	
20.00	1.25	...	...	18.50	24.05	1.30	...	...	34.50	44.05	1.27	
...	...	...	...	15.00	442.40	...	...	...	15.00	442.40	...	
...	...	...	15.00	...	...	...	...	15.00	...	...	...
...	...	...	...	48.00	190.05	3.95	...	...	48.00	190.05	3.95	
...	...	...	...	27.92	74.07	2.65	...	...	27.92	74.07	2.65	
82,304.87	...	...	2,404.07	67,284.07	93,675.76	...	...	2,515.26	139,408.57	175,980.63	...	

TABLE IV.—Return of all

Mount Margaret

MOUNT MALCOLM

MINING CENTRE.	NUMBER OF LEASE.	REGISTERED NAME OF LEASE OR COMPANY.	Area in Acres.	PARTICULARS OF PLANT.							TOTAL FOR			
				Milling.		Cyaniding.					Alluvial.	Dolled and Specimens	Ore treated.	
				Number Stamp.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.	ozs.				ozs.	tons.
		Brought forward ...	...	205	2	38	...	...	...	...	...	...	111.19	72,124.50
Murrin	Murrin	429c ...	...	...	...	...	...	...	...	...	...	...	...	...
Do.	...	11c, 36c, 38/9c, 42c, 90c, 99c	...	144	30	pr.2	8	100	2,000	...	...	...	...	7,462.00
Do.	...	099c ...	Murrin Murrin Proprietary	24	...	...	...	...	...	...	...	...	...	10.00
Do.	...	738c ...	Never Know ...	Abd.	...	...	...	...	...	...	...	...	48.00	...
Do.	...	598c ...	Oakdale ...	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do.	...	282c ...	Oaklands ...	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do.	...	701c ...	Pearl Shell ...	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do.	...	15c, 361c ...	Princess Alix G.Ms., Ltd.	30	...	...	...	...	...	...	...	...	...	141.00
Do.	...	532c ...	Proprietary Extended	12	3	...	...	...	...	...	...	...	...	90.50
Do.	...	611c ...	Rainbow ...	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do.	...	654c (164c)	Rata ...	Ftd.	...	...	...	...	...	...	...	...	...	106.00
Do.	...	724c ...	Sons of British Empire	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do.	...	587c ...	Stanley ...	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do.	...	172c ...	Umpire ...	Abd.	...	...	...	...	...	...	...	...	...	...
Do.	...	642c (172c)	Umpire ...	18	t1	...	...	...	...	...	...	...	...	196.00
Do.	...	58c ...	Victorian ...	Ftd.	...	...	...	...	...	...	...	...	...	...
Do.	Sundry Claims	...	...	...	...	...	...	...	...	...	...	15.00
Randwick	...	632c (201c, 486c)	Anaconda Gold Reefs	Ftd.	...	...	...	...	...	...	...	...	...	...
Do.	...	52c, 53c ...	Arrow Brown Hill G.M. Co. Ltd.	24	10	...	6	30	900	...	...	...	...	56.00
Do.	...	127c ...	Black Chief ...	Ftd.	...	...	...	...	...	...	...	...	...	...
Do.	...	201c ...	Sir Holved Smith G.M. Co., N.L.	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do.	...	227c ...	East Lynne ...	24	...	...	...	...	...	...	...	...	...	45.00
Do.	...	449c ...	English and Scottish	Ftd.	...	...	...	...	...	...	...	...	...	...
Do.	...	705c (449c)	English and Scottish	9	...	...	...	...	...	...	...	...	...	23.50
Do.	...	819c (639c)	Federal ...	12	...	...	...	...	...	...	...	...	...	40.00
Do.	...	639c ...	Murial ...	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do.	...	629c ...	Nevertire ...	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do.	...	788c (629c)	Nevertire ...	6	...	...	...	...	...	...	...	...	805.00	...
Do.	...	636c ...	New Era ...	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do.	...	778c ...	Penny's Surprise	24	...	...	...	...	...	...	...	...	...	7.00
Do.	...	364c ...	Queen Mary ...	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do.	...	511c ...	Randwick ...	Abd.	...	...	...	...	...	...	...	...	...	...
Do.	...	706c ...	Typhon ...	Wdn.	...	...	...	...	...	...	...	...	...	...
Do.	...	486c (127c)	White Chief ...	Ftd.	...	...	...	...	...	...	...	...	...	...
Do.	Sundry Claims	...	...	...	...	...	...	...	...	...	...	17.00
Webster's	...	626c ...	Brilliant ...	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do.	...	75c ...	Federal No. 1 ...	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do.	...	635c ...	Triumph Extended	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do.	...	676c ...	May Queen ...	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do.	...	488c ...	Myall King ...	Ftd.	...	...	...	...	...	...	...	...	...	...
Do.	...	385c ...	Pride of the North	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do.	...	258c ...	Triumph ...	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do.	...	65/6c, 115c	Webster's Find, Ltd.	44	10	...	...	...	...	...	...	...	...	1,011.00
Do.	Sundry Claims	...	...	...	...	...	...	...	...	...	...	...
<i>From District generally—</i>														
		Sundry parcels treated at Midas Battery	...	...	...	...	...	...	...	...	...	...	...	120.00
		Do. do. Rata Battery	...	...	...	...	...	...	...	...	...	...	...	32.00
		Alluvial	...	...	...	...	...	...	...	...	...	...	...	...
		Notices of Purchase	...	...	...	...	...	...	...	...	1.20	...	...	...
Total ...				...	258	5	52	...	...	...	1.20	964.19	81,496.50	

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

YEAR 1900.		TOTAL PREVIOUS TO 1900.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1900.
Gold therefrom.	Average per ton treated.	Alluvial.	Dolled and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dolled and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	
82,304.87	...	...	2,404.07	67,284.07	93,675.76	...	...	2,515.26	139,408.57	175,980.63	...	£ s. d.
...	...	...	...	33.00	35.31	1.07	...	...	33.00	35.31	1.07	...
6,965.76	.93	...	...	26,344.50	17,135.94	.65	...	...	33,806.50	24,101.70	.70	3 11 3
8.00	.80	...	...	...	...	...	...	...	10.00	8.00	.80	...
...	...	...	40.00	...	...	...	...	88.00	...	...	...	...
...	...	...	...	5.00	5.00	1.00	...	...	5.00	5.00	1.00	...
...	...	...	...	18.00	10.80	.60	...	...	18.00	10.80	.60	...
...	...	...	...	25.00	13.15	.52	...	...	25.00	13.15	.52	...
817.85	5.80	...	...	924.00	980.15	1.06	...	...	1,065.00	1,798.00	1.68	3 17 8½
69.00	.76	...	...	111.00	90.40	.81	...	...	201.50	159.40	.79	3 16 3
...	...	...	...	5.50	13.80	2.50	...	...	5.50	13.80	2.50	...
71.35	.67	...	...	57.90	63.91	1.12	...	...	163.00	135.26	.82	...
...	...	...	...	12.00	1.25	.10	...	...	12.00	1.25	.10	...
...	...	...	...	10.00	16.00	1.60	...	...	10.00	16.00	1.60	...
...	...	...	...	33.00	109.55	3.32	...	...	33.00	109.55	3.32	...
193.00	.98	...	...	...	...	...	...	...	196.00	193.00	.98	3 10 0
...	...	...	...	300.00	437.35	1.45	...	...	300.00	437.35	1.45	...
19.95	...	...	...	67.25	118.06	...	...	...	82.25	138.01	...	...
...	...	...	...	23.00	64.61	2.80	...	...	23.00	64.61	2.80	...
607.00	...	...	...	2,112.00	1,378.40	.65	...	...	2,168.00	1,985.40	.91	...
...	...	...	...	63.40	55.61	.87	...	...	63.40	55.61	.87	...
...	...	...	...	9.00	10.25	1.13	...	...	9.00	10.25	1.13	...
...	...	...	1.00	...	...	...	...	...	...	...	...	...
58.50	1.30	...	...	218.04	556.00	2.55	...	1.00	263.04	614.50	2.33	...
...	...	...	...	32.00	74.55	2.33	...	...	32.00	74.55	2.33	...
75.05	3.19	...	...	33.00	85.55	2.59	...	...	56.50	160.60	2.84	...
46.85	1.17	...	...	...	...	...	...	...	40.00	46.85	1.17	...
...	...	...	...	130.00	251.26	1.93	...	...	130.00	251.26	1.93	...
...	...	...	325.00	23.00	996.40	...	...	325.00	23.00	996.40	...	...
...	...	...	...	39.00	24.60	.63	...	805.00	...	...	...	...
7.25	1.03	...	...	...	...	...	...	...	39.00	24.60	.63	...
...	...	...	...	46.00	53.36	1.16	...	...	7.00	7.25	1.03	...
...	...	...	...	91.00	114.25	1.25	...	...	46.00	53.36	1.16	...
...	...	...	...	20.00	6.15	.30	...	...	91.00	114.25	1.25	...
...	...	...	...	32.00	30.50	.95	...	...	20.00	6.15	.30	...
12.65	...	...	...	50.00	25.65	...	...	...	32.00	30.50	.95	...
...	...	...	...	37.75	5.10	.13	...	...	67.00	38.30	...	...
...	...	...	...	7.00	10.30	1.47	...	...	37.75	5.10	.13	...
...	...	...	...	15.00	4.40	.29	...	...	7.00	10.30	1.47	...
...	...	...	...	73.00	62.30	.85	...	...	15.00	4.40	.29	...
...	...	...	...	36.00	34.31	.95	...	...	73.00	62.30	.85	...
...	...	...	...	5.30	54.00	...	...	...	36.00	34.31	.95	...
...	...	...	...	33.50	33.00	.98	...	...	5.30	54.00	...	...
716.00	.70	...	...	4,049.00	2,993.67	.73	...	...	33.50	33.00	.98	3 16 9
...	...	...	...	222.50	188.05	...	...	...	5,060.00	3,709.67	.73	...
...	...	...	...	...	...	...	...	...	222.50	188.05	...	...
...	...	...	...	...	...	...	...	...	120.00	48.40	...	...
48.40	...	...	...	...	...	...	...	...	32.00	46.00	...	...
46.00	...	1,264.09	...	...	...	...	1,264.09	...	...	...	...	...
...	...	307.53	29.54	...	...	...	308.73	29.54	...	...	...	...
92,067.48	1.12	1,571.62	2,799.61	102,629.81	119,818.70	1.16	1,572.82	3,763.80	184,126.31	211,886.18	1.15	...

TABLE IV.—Return of all

Mount Margaret

MOUNT MARGARET

MINING CENTRE.	NUMBER OF LEASE.	REGISTERED NAME OF LEASE OR COMPANY.	Area in Acres.	PARTICULARS OF PLANT.							TOTAL FOR		
				Milling.		Cyaniding.					Alluvial.	Dolled and Specimens	Ore treated.
				Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.	ozs.				ozs.	tons.
British Flag ...	790T ...	Ajax ...	Ftd.				tons.	tons.	ozs.	ozs.	tons.		
Do. ...	828T (790T) ...	Ajax ...	Ftd.										
Do. ...	371T, 777T ...	Golden Rhine G.Ms., W.A., Ltd.	48	10							630'00		
Do. ...	723T ...	British Admiral ...	V.N.P.										
Do. ...	358T ...	British Flag ...	V.N.P.										
Do. ...	592T ...	Craggiemore Proprietary, Ltd.	24	10	4	40	1,000				9,260'00		
Do. ...	825T ...	Dream ...	12							79'00			
Do. ...	453T ...	Enniskillen ...	V.N.P.										
Do. ...	785T ...	Euro G.Ms., Ltd. ...	6	20							535'00		
Do. ...	779T ...	Euro South Central ...	6										
Do. ...	985T ...	Federal Flag ...	24								20'00		
Do. ...	838T ...	General Wabash ...	24								100'00		
Do. ...	813T ...	Golden Pinnacle ...	Abd.										
Do. ...	563T ...	Great Britain ...	V.N.P.										
Do. ...	829T ...	Ida H. ...	24								30'00		
Do. ...	1006T ...	Ida H. West ...	24								12'00		
Do. ...	713T ...	Lancefield ...	Abd.										
Do. ...	806T (713T), M.A.	Lancefield G.M. Co., Ltd.	24	10	12	22	1,200				11,701'00		
Do. ...	7T ...	Lloyd's ...	Abd.										
Do. ...	929T ...	Kiora ...	Ftd.										
Do. ...	793T ...	Kiora ...	5								118'00		
Do. ...	902T (793T) ...	Sundry Claims ...											
Eagle's Nest ...	3T ...	Eagle's Nest ...	12		5	45	1,260						
Do. ...	610T ...	Leap Year ...	Ftd.										
Do. ...	1052T ...	Wheel of Fortune ...	12							166'50			
Do. ...		Sundry Claims ...											
Erlistoun ...	725T ...	Baneygo North ...	24								479'00		
Do. ...	754T ...	Crescent ...	Ftd.										
Do. ...	720T ...	Earlston North-West ...	12								133'00		
Do. ...	543T ...	Earlstone Proprietary ...	V.N.P.	3									
Do. ...	762T ...	Gladys ...	Abd.										
Do. ...	732T ...	Golden Boulder ...	V.N.P.										
Do. ...	726T ...	Idaho ...	V.N.P.										
Do. ...	797T ...	King of the Erlistoun ...	Ftd.										
Do. ...	771T ...	Little Doris ...	24								40'00		
Do. ...	796T ...	Mistake ...	24	5							596'00		
Do. ...	795T ...	Mistake North ...	24								300'00		
Do. ...	968T ...	Mistake South ...	24								72'00		
Do. ...	733T ...	Sydney Mint ...	V.N.P.										
Do. ...	976T ...	Two Jims ...	Abd.										
Do. ...		Sundry Claims ...											
Korong ...	593T ...	Alicia ...	Abd.										
Do. ...	755T ...	Corona Broken Hill ...	V.N.P.										
Do. ...	461T ...	Korong No. 461 ...	24								3'00		
Mt. Barnicoat ...	{ 475T, 660T, 718T, 722T, 772T }	Menzies Golden Rhine G.Ms., W.A., Ltd.	V.N.P.										
Do. ...		Sundry Claims ...											
Mt. Margaret ...	249T ...	Golden Cliffs, Ltd. ...	Ftd.										
Do. ...	35T, M.A. 1T	Mt. Margaret Reward ...	Ftd.										
Do. ...	23T, 242T	Pride of Mt. Margaret, Ltd.	V.N.P.										
Do. ...	688T ...	Rosie Lidington ...	V.N.P.										
Do. ...	717T ...	Terlinga ...	V.N.P.										
Mt. Morgans ...	326T ...	Guest's G.M., Ltd. ...	24	20	4	50	650				7,374'00		
Do. ...	794T ...	Bravo ...	Abd.										
Do. ...	992T ...	Referendum ...	V.N.P.										
Do. ...	997T ...	Sons of Gowrie ...	24								80'00		
Do. ...	979T ...	Transvaal ...	24								163'00		
Do. ...	980T ...	Transvaal South ...	24								103'00		
Do. ...	321T ...	Westralia Mt. Morgans G. Ms. Co., Ltd.	24	20	{ 1 1 1 }	{ 300 150 50 }					17,283'00		
Do. ...		Sundry Claims ...											
Mt. Weld ...	1041T ...	Away from Home ...	14							45'10	45'00		
Do. ...	940T ...	Black Swan ...	24								127'00		
Do. ...	1019T ...	Bond's Find ...	18								47'50		
Do. ...	1054T ...	Brothers ...	20								28'00		
Do. ...	944T ...	Carib ...	12								70'00		
Do. ...	761T ...	Childe Harold ...	24										
Do. ...	1034T ...	Cremorne ...	12							9'00	70'00		
Do. ...	271T ...	Edinborough Castle ...	V.N.P.										
Do. ...	811T ...	Edinboro' Castle ...	12	8							191'00		
		Carried forward ...		106		28				299'60	49,610'50		

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT.

YEAR 1900.		TOTAL PREVIOUS TO 1900.					TOTAL GOLD PRODUCTION.					Esti- mated Value of Gold per oz., 1900.
Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	
ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	£ s. d.
...	...	...	...	52.00	44.30	.85	...	...	52.00	44.30	.85	
...	...	...	...	5.00	18.85	3.77	...	...	5.00	18.85	3.77	
538.00	.85	...	...	2,215.50	3,484.07	1.50	...	...	2,845.50	4,022.07	1.41	
...	...	...	...	10.00	20.20	2.02	...	...	10.00	20.20	2.02	
...	...	...	300.00	78.00	255.85	3.28	...	300.00	78.00	255.85	3.28	
4,058.00	.43	...	...	1,235.00	560.88	.45	...	...	10,495.00	4,618.88	.44	3 16 2½
...	...	...	157.35	25.00	90.18	3.60	...	236.35	25.00	90.18	3.60	
...	...	...	...	16.00	9.00	.56	...	...	16.00	9.00	.56	
376.80	.70	...	...	338.00	691.55	2.04	...	...	873.00	1,068.35	1.22	
...	...	...	...	118.00	171.15	1.45	...	...	118.00	171.15	1.45	
11.65	.58	...	...	...	...	...	...	...	20.00	11.65	.58	
330.75	3.30	...	...	...	...	...	...	...	100.00	330.75	3.30	
...	...	...	...	12.00	6.00	.50	...	...	12.00	6.00	.50	
...	...	...	...	10.00	10.10	1.01	...	...	10.00	10.10	1.01	
57.00	1.90	...	...	81.00	263.62	3.25	...	...	111.00	320.62	2.88	
12.00	1.00	...	...	...	...	...	...	...	12.00	12.00	1.00	
6,624.21	.56	...	...	342.00	149.03	.43	...	...	342.00	149.03	.43	
...	...	...	...	5,768.00	2,136.40	.37	...	...	17,469.00	8,760.61	.50	3 12 4
...	...	...	...	21.00	12.38	.58	...	...	21.00	12.38	.58	
...	...	...	...	86.00	114.80	1.33	...	...	86.00	114.80	1.33	
118.00	1.00	...	...	...	...	...	...	...	118.00	118.00	1.00	
...	...	...	...	28.00	27.30	...	...	...	28.00	27.30	...	
cy.1,124.97	...	...	...	100.00	5.00	.05	...	...	100.00	1,129.97	...	
...	...	...	...	231.00	250.55	1.08	...	...	231.00	250.55	1.08	
...	...	...	...	55.00	47.27	...	...	166.50	...	...	...
782.77	1.63	...	...	114.00	304.00	2.66	...	...	55.00	47.27	...	
...	...	...	...	4.00	22.00	5.50	...	50.15	593.00	1,086.77	1.83	3 17 2
142.00	1.06	...	50.15	71.00	149.10	2.10	...	...	4.00	22.00	5.50	
...	...	...	...	80.00	92.20	1.15	...	...	204.00	291.10	1.42	3 17 2
...	...	...	...	42.25	78.65	1.86	...	...	80.00	92.20	1.15	
...	...	...	...	23.00	61.04	2.65	...	...	42.25	78.65	1.86	
...	...	...	...	97.00	134.76	1.38	...	...	23.00	61.04	2.65	
...	...	...	...	104.00	87.50	.84	...	...	97.00	134.76	1.38	
30.00	.75	...	...	160.00	301.52	1.88	...	...	104.00	87.50	.84	
341.85	.57	...	...	220.00	167.00	.75	...	...	200.00	331.52	1.65	
170.50	.56	...	...	293.00	249.78	.85	...	...	816.00	508.85	.62	3 17 10½
279.50	3.88	...	...	...	...	...	...	...	593.00	420.28	.70	3 18 0
...	...	...	...	13.00	34.00	2.61	...	...	72.00	279.50	3.88	
...	...	...	...	8.00	25.56	3.19	...	...	13.00	34.00	2.61	
...	...	...	...	80.00	113.77	...	...	...	8.00	25.56	3.19	
...	...	...	...	53.50	86.86	1.62	...	...	80.00	113.77	...	
...	...	...	...	43.00	82.32	1.91	...	...	53.50	86.86	1.62	
13.30	4.43	20.55	...	60.00	214.36	3.57	20.55	...	43.00	82.32	1.91	
...	...	...	...	652.00	399.78	.61	...	...	63.00	227.66	3.61	
...	...	...	...	23.00	25.50	...	...	...	652.00	399.78	.61	
...	...	...	...	150.00	5.00	.03	...	...	...	...	...
...	...	...	...	1,081.00	804.76	.74	...	...	23.00	25.50	...	
...	...	...	...	100.00	64.42	.64	...	...	150.00	5.00	.03	
...	...	...	...	25.00	31.75	1.27	...	...	1,081.00	804.76	.74	
5,184.69	.70	...	...	68.00	100.70	1.48	...	...	100.00	64.42	.64	
...	...	...	...	60.00	127.60	2.12	...	...	25.00	31.75	1.27	
...	...	...	...	10.00	7.50	.75	...	...	68.00	100.70	1.48	
...	...	...	...	20.00	33.95	1.69	...	...	60.00	127.60	2.12	
350.00	4.37	...	...	...	...	...	...	...	7,434.00	5,312.29	.71	3 12 11½
399.37	2.45	...	...	...	...	...	...	...	10.00	7.50	.75	
242.00	2.34	...	...	...	...	...	...	...	20.00	33.95	1.69	
...	...	...	...	...	...	...	...	...	80.00	350.00	4.37	3 17 0
25,868.35	1.49	...	...	7,262.00	15,715.33	2.16	...	...	163.00	399.37	2.45	
...	...	...	...	...	...	...	...	...	103.00	242.00	2.34	3 15 0
...	...	...	...	10.00	7.50	...	...	...	24,545.00	41,583.68	1.69	3 14 0½
498.12	...	...	...	...	...	...	...	...	...	...	...
309.00	2.43	...	...	37.00	120.00	3.24	...	45.10	10.00	7.50	...	
140.70	2.96	...	...	11.50	38.12	3.31	...	...	45.00	498.12	...	3 7 7
84.65	3.02	...	...	...	...	...	...	...	164.00	429.00	2.61	3 18 6
116.05	1.65	...	...	...	...	...	...	...	59.00	178.82	3.03	3 8 0
...	...	...	...	4.25	2.20	.51	...	...	28.00	84.65	3.02	
266.75	3.81	...	...	...	...	...	...	...	70.00	116.05	1.65	4 0 8
...	...	...	...	...	...	...	...	...	4.25	2.20	.51	
...	...	...	...	210.00	557.90	2.65	...	9.00	70.00	266.75	3.81	3 10 6
398.50	2.08	...	...	126.00	302.29	2.39	...	...	210.00	557.90	2.65	
...	...	...	...	...	...	...	...	...	317.00	700.79	2.21	3 17 2
48,869.48	...	20.55	507.50	22,142.00	28,917.20	...	20.55	807.10	71,752.50	77,786.68	...	

TABLE IV.—Return of all

Mount Margaret

MOUNT MARGARET

MINING CENTRE.	NUMBER OF LEASE.	REGISTERED NAME OF LEASE OR COMPANY.	Area in Acres.	PARTICULARS OF PLANT.							TOTAL FOR			
				Milling.		Cyaniding.					Alluvial.	Dolled and Specimens	Ore treated.	
				Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.	ozs.				ozs.	tons.
		Brought forward ...		106		28	tons.	tons.	ozs.	ozs.	ozs.	299'60	tons.	49,610'50
Mt. Weld	1012T	Edinboro' Castle North	V.N.P.											136'00
Do.	809T	Edinboro' Castle South	24											19'00
Do.	841T	Edith Hope	12											
Do.	801T	Golden Ring	12											159'50
Do.	1037T	Golden Ring East	V.N.P.											12'75
Do.	1010T	Karridale	12											59'00
Do.	1062T	Killarney	12											20'00
Do.	1048T	Maori Chief	12											24'00
Do.	943T	Mikado	24											62'00
Do.	673T	Mt. Weld	V.N.P.	5		3	16	190						
Do.	833T	Mt. Wilga Proprietary	12											118'00
Do.	760T	Nil Desperandum	V.N.P.											
Do.	1044T	Nil Desperandum	24											24'00
Do.	478T	Queen of North Extended	V.N.P.											
Do.	781T	Sailor Prince	12											67'00
Do.	852T	Sailor Prince No. 1 South	12											64'00
Do.	1108T	Single Handed	6									8'00		7'00
Do.	934T	Sons of Westralia	24											90'00
Do.	853T	Surprise	V.N.P.											
Do.	M.A. 8T	Trigg Hill Battery		10										
Do.		Sundry Claims												
Quartz Hill	933T	Cymio	Abd.											
Redcastle	171T	Aeltunga	24	10										125'00
Do.	927T	Bell Bird	V.N.P.											
Do.	476T	Eversleigh	Abd.											
Do.	1125T	Major	12											19'00
Do.	868T (38T)	Redcastle	12							4'00				105'00
Do.	38T, 751T	Redcastle leases	Ftd.											
Do.	870T	Redcastle West Extended	12											
Do.	775T	Waverley	V.N.P.											
Do.		Sundry Claims												
<i>From District generally:—</i>														
Notices of Purchase														
Total				131		31				4'00		307'60		51,324'75

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

YEAR 1900.		TOTAL PREVIOUS TO 1900.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1900.
Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	
48,869.48	...	20.55	507.50	22,142.00	28,917.20	...	20.55	807.10	71,752.50	77,786.68	...	£ s. d.
234.70	1.72	...	...	...	...	...	...	...	136.00	234.70	1.72	
38.00	2.00	...	...	...	...	...	...	...	19.00	38.00	2.00	
...	...	...	...	25.00	18.75	.75	...	...	25.00	18.75	.75	
276.45	1.73	...	...	246.50	1,199.53	4.86	...	...	406.00	1,475.98	3.63	3 17 10½
28.15	2.20	...	...	...	...	...	...	...	12.75	28.15	2.20	
276.10	4.68	...	...	...	...	...	...	...	59.00	276.10	4.68	
27.50	1.37	...	...	...	...	...	...	...	20.00	27.50	1.37	
153.20	6.38	...	...	...	...	...	...	...	24.00	153.20	6.38	3 4 9
44.60	.71	...	...	...	...	...	...	...	62.00	44.60	.71	
...	...	...	...	67.00	36.00	.53	...	...	67.00	36.00	.53	
230.75	1.95	...	...	45.00	120.25	2.67	...	...	163.00	351.00	2.15	3 7 0
...	...	...	...	15.00	15.50	1.03	...	...	15.00	15.50	1.03	
103.50	4.31	...	...	6.50	37.42	5.75	...	...	30.50	140.92	4.62	
...	...	...	...	60.00	152.50	2.54	...	...	60.00	152.50	2.54	
1,058.58	1.58	...	...	941.00	1,456.20	1.54	...	...	1,611.00	2,514.78	1.56	3 14 0
36.90	.57	...	...	...	...	...	...	...	64.00	36.90	.57	
43.17	6.16	...	...	...	...	...	...	...	7.00	43.17	6.16	
720.40	8.00	...	...	35.00	210.00	6.00	...	8.00	125.00	930.40	7.44	3 19 0
...	...	...	...	5.50	3.55	.64	...	...	5.50	3.55	.64	
...	...	...	...	98.00	147.15	...	...	...	98.00	147.15	...	
...	...	...	...	10.00	4.32	.43	...	...	10.00	4.32	.43	
47.00	.37	...	...	9.00	9.63	1.07	...	...	134.00	56.63	.42	
...	...	...	...	51.00	14.80	.29	...	...	51.00	14.80	.29	
...	...	...	...	.95	36.80	...	...	...	.95	36.80	...	
26.75	1.40	...	...	...	...	...	...	...	19.00	26.75	1.40	3 18 0
129.05	1.22	...	...	58.00	34.70	.59	4.00	...	163.00	163.75	1.00	3 16 6
...	...	...	...	4.50	9.75	2.16	...	...	4.50	9.75	2.16	
...	...	...	...	27.00	42.00	1.55	...	...	27.00	42.00	1.55	
...	...	...	...	36.00	19.68	.54	...	...	36.00	19.68	.54	
...	...	...	...	10.00	5.00	...	...	...	10.00	5.00	...	
...	...	16.97	...	...	...	...	16.97	...	...	...	...
52,344.28	1.01	37.52	507.50	23,892.95	32,490.73	1.35	41.52	815.10	75,217.70	84,835.01	1.12	

TABLE IV.—Return of all

North Coolgardie

MENZIES

MINING CENTRE.	NUMBER OF LEASE.	REGISTERED NAME OF LEASE OR COMPANY.	Area in Acres.	PARTICULARS OF PLANT.							TOTAL FOR		
				Milling.			Cyaniding.				Alluvial.	Dolled and Specimens	Ore treated.
				Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.	ozs.				ozs.	tons.
Comet Vale	3125/6z, 4872z	Lady Margaret G.M. Co., Ltd.	54				ton	tons		ozs.	ozs.	tons.	
Do.	4893/4z	Long Tunnel leases	V.N.P.									67.50	
Goongarrie	4891z	Caledonian	5								2.50		
Do.	4213z	Cicero	V.N.P.										
Do.	2776z	Consuelo	V.N.P.										
Do.	4782z	Duke of York	V.N.P.										
Do.	2809z	(Featherstonhaugh)											
Do.	4858z	Four-Mile Blow	V.N.P.										
Do.	2728z, 3480/1z	Goongarrie Goldfields, Ltd.	34	20									
Do.	{ 2731/2z, 2751z, 2756z, 3636z }	Hicks G.Ms., Ltd.	V.N.P.										
Do.	A.C. 314z	W.A. Cyanide Syndicate				4	25	400					
Do.	{ 2736z, 3185z, 3382/3z, 3951z, 4869z }	Lady Montefiore United G.Ms. Ltd.	62										
Do.	4963z	Last Chance	12								8.00	20.00	
Do.	2809z, 4797z	Mimosa G.Ms. Ltd.	V.N.P.										
Do.	2763z	Ninety Mile Goongarrie Consolidated G.M. Ltd.	V.N.P.										
Do.	{ 2734z, 2759z, 2760z, 2779z, 2785z }	Ninety Mile Proprietary G.Ms. Ltd.	V.N.P.										
Do.	4902/3z	Phoenix G.Ms., Ltd.	29	10								538.00	
Do.	4925z	Proprietary	V.N.P.										
Do.	4919z	Seldom Seen	V.N.P.										
Do.	4847z	Star of Goongarrie	V.N.P.										
Do.	3459z	Whitfield's Menzies G.M. Syndicate, N.L.	V.N.P.										
Do.	4968z (4925z)	Venture	5									12.14	
Do.		Sundry Claims										19.00	
Menzies	3378z	Adelaide	V.N.P.										
Do.	3034z	Africaner	Ftd.										
Do.	4918z	Alexandra	6									82.00	
Do.	4007z	Ancient Briton Extended	V.N.P.										
Do.	4873z	Athelstane	Ftd.										
Do.	4691z	Barunga G.M. and Prospecting Syndicate, Ltd.	V.N.P.										
Do.	4911z	Brilliant	V.N.P.										
Do.	4850z	Britannia	V.N.P.										
Do.	4879z (3963z)	Black Jack	6									306.00	
Do.	4949z	Brown Hill	3									16.00	
Do.	2834z	Central Menzies G.M., Ltd.	a. r. p. 9 3 36									19.00	
Do.	4961z	Cosmopolitan	5									42.00	
Do.	4940z	Craig-y-Nos	8									318.50	
Do.	4860z	Crown Cross	Ftd.										
Do.	4912z (4860z)	Crown Cross	12								4.05	111.00	
Do.	4061z	Daisy Bell	V.N.P.										
Do.	4952z	Dublin Castle	12									38.00	
Do.	4885z	Federal	Abd.										
Do.	4959z (2830z)	Federation	10									30.00	
Do.	2821z	Florence	a. r. p. 18 1 9	10		3						1,735.00	
Do.	4849z	Gem Extended	V.N.P.										
Do.	4957z	Gem Extended	5									15.00	
Do.	4916z (3036z)	Gift	V.N.P.										
Do.	4855z	Goodenough	24	3		2	10	80				322.50	
Do.	4861z	Golden Shoe	V.N.P.										
Do.	4907z	Golden Star	Abd.										
Do.	4853z	Great Klondyke	V.N.P.										
Do.	4951z	Guiding Star	6									48.00	
Do.	4947z	Hearts Content	3									16.00	
Do.	4921z	Indus	Ftd.										
Do.	4899z	Industrie	V.N.P.										
Do.	4942z	Ivy	Abd.									15.00	
Do.	4878z	Jingellie	V.N.P.										
Do.	4886z	Just in Time	V.N.P.										
Do.	4819z	Kensington Sunday Gift	V.N.P.										
Do.	3615z	Kensington Vindicator G.M. Co., N.L.	Ftd.										
		Carried forward		43		9					14.55	7,094.64	

Ore Treated, etc.—continued.

Goldfield.

DISTRICT.

YEAR 1900.		TOTAL PREVIOUS TO 1900.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1900.
Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	
ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	£ s. d.
{ 1,335.28 pl. 56.90 51.85 }	.42 76	...	...	3,311.90	1,702.15	.51	...	...	6,635.90	3,094.33	.46	3 12 6
...	...	...	240.00	290.05	372.66	1.28	...	...	357.55	424.51	1.18	
...	...	...	...	123.00	69.06	.56	...	242.50	123.00	69.06	.56	
...	...	...	...	145.00	36.06	.24	...	...	145.00	36.06	.24	
...	...	...	...	6.00	4.25	.70	...	...	6.00	4.25	.70	
...	...	...	...	10.00	11.50	1.15	...	...	10.00	11.50	1.15	
...	...	...	...	68.00	109.00	1.60	...	...	68.00	109.00	1.60	
...	...	...	...	100.00	36.60	.36	...	...	100.00	36.60	.36	
...	...	...	...	3,595.00	2,057.37	.57	...	...	3,595.00	2,057.37	.57	
...	...	...	...	946.00	1,028.23	1.08	...	...	946.00	1,028.23	1.08	
...	
...	...	...	...	224.00	719.88	3.21	...	...	224.00	719.88	3.21	
...	...	...	...	...	...	...	...	8.00	20.00	36.00	1.80	
36.00	1.80	...	...	220.50	43.35	.19	...	...	220.50	43.35	.19	
...	...	...	...	339.00	77.00	.22	...	...	339.00	77.00	.22	
...	...	...	...	2,894.00	1,768.99	.61	...	...	2,894.00	1,768.99	.61	
{ 506.60 pl. 31.40 }	1.00	...	...	171.00	119.67	.69	...	...	709.00	657.67	.92	
...	...	...	...	14.00	18.42	1.31	...	...	14.00	18.42	1.31	
...	...	...	22.00	...	...	...	...	22.00	...	...	...
...	...	...	...	14.00	24.00	1.71	...	...	14.00	24.00	1.71	
...	...	...	...	20.00	10.63	.53	...	...	20.00	10.63	.53	
...	...	...	...	...	...	...	...	...	12.14	17.40	1.43	
17.40	1.43	...	...	...	...	...	...	...	19.00	9.80	...	
9.80	...	...	...	13.50	20.42	1.51	...	...	13.50	20.42	1.51	
...	...	...	...	189.00	297.26	1.57	...	...	189.00	297.26	1.57	
164.21	2.00	...	...	15.00	21.13	1.40	...	...	97.00	185.34	1.91	
...	...	...	...	26.00	24.16	.92	...	...	26.00	24.16	.92	
...	...	...	...	458.00	243.82	.53	...	...	458.00	243.82	.53	
...	...	...	...	23.00	22.32	.97	...	...	23.00	22.32	.97	
...	...	...	...	13.00	10.06	.77	...	...	13.00	10.06	.77	
...	...	...	...	8.00	3.19	.39	...	...	8.00	3.19	.39	
502.40	1.64	...	...	240.00	450.46	1.87	...	...	546.00	952.86	1.74	3 19 6
11.06	.69	...	...	...	...	...	...	...	16.00	11.06	.69	
...	...	...	...	...	...	...	...	...	19.00	21.83	1.14	
21.83	1.14	...	...	...	...	...	...	...	42.00	21.81	.51	
21.81	.51	...	...	...	...	...	...	...	318.50	285.33	.89	3 18 94
285.33	.89	...	...	234.00	214.53	.91	...	...	234.00	214.53	.91	
...	...	...	...	60.00	188.40	3.14	...	4.05	171.00	601.16	3.51	
412.76	3.71	...	...	72.00	81.10	1.12	...	...	72.00	81.10	1.12	
...	...	...	...	...	...	...	...	...	38.00	59.37	1.56	
59.37	1.56	...	...	44.00	59.75	1.35	...	...	44.00	59.75	1.35	
...	...	...	...	...	...	...	...	...	30.00	15.87	.52	
15.87	.52	...	...	...	...	...	...	...	...	...	...
1,326.95 pl. 341.66	.96	...	...	1,690.00	2,164.20	1.28	...	...	3,425.00	3,832.81	1.11	3 12 10
...	...	...	...	123.50	62.20	.50	...	...	123.50	62.20	.50	
7.62	.50	...	...	10.00	6.40	.64	...	...	15.00	7.62	.50	
...	...	...	...	683.05	1,142.00	1.67	...	...	10.00	6.40	.64	
679.75	2.10	...	...	44.00	59.70	1.35	...	...	1,005.55	1,821.75	1.81	2 7 6
...	...	...	...	19.00	16.83	.88	...	...	44.00	59.70	1.35	
...	...	...	...	16.80	44.10	2.62	...	...	19.00	16.83	.88	
...	...	...	...	...	...	...	...	...	16.80	44.10	2.62	
40.58	.84	...	...	...	...	...	...	...	48.00	40.58	.84	
47.70	2.98	...	...	...	...	...	...	...	16.00	47.70	2.98	
...	...	...	...	16.00	3.29	.20	...	...	16.00	3.29	.20	
...	...	...	...	44.80	17.80	.39	...	...	44.80	17.80	.39	
1.90	.12	...	...	...	...	...	...	...	15.00	1.90	.12	
...	...	...	...	42.00	33.45	.79	...	...	42.00	33.45	.79	
...	...	...	...	24.00	13.99	.58	...	...	24.00	13.99	.58	
...	...	...	...	26.00	33.20	1.27	...	...	26.00	33.20	1.27	
...	...	...	...	33.00	55.50	1.68	...	...	33.00	55.50	1.68	
5,986.03	...	...	262.00	16,659.10	13,498.08	...	...	276.55	23,753.74	19,484.11	...	

TABLE IV.—Return of all

North Coolgardie

MENZIES

MINING CENTRE.	NUMBER OF LEASE.	REGISTERED NAME OF LEASE OR COMPANY.	Area in Acres.	PARTICULARS OF PLANT.							TOTAL FOR		
				Milling.		Cyaniding.					Alluvial.	Dolled and Specimens	Ore treated.
				Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.	ozs.				ozs.	tons.
		Brought forward ...	...	43	...	9	...	...	...	...	14.55	7,094.64
Menzies	3482z ...	Kurrajong ...	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	2822z ...	Lady Harriet ...	24	...	...	...	...	...	...	...	...	425.00
Do.	4867z ...	Lady Isabel ...	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	3963z ...	Lady Main ...	Ftd.	...	...	...	...	...	...	...	...	...
Do.	4917z (4890z) ...	Lady Min ...	V.N.P.	...	...	...	...	...	...	...	...	10.00
Do.	2820z, 3006z ...	Lady Shenton G.M., Ltd. ...	36 0 12	30	pr. 1	10	40	2,500	2	...	...	16,341.00
Do.	3116z, 3118z ...	London and Coolgardie Explorers, Ltd. ...	24 2 19	...	...	...	...	...	...	...	...	...
Do.	4914z ...	Maori Chief ...	12	...	...	...	...	...	...	...	...	296.00
Do.	3059z, 3119z, 3120z ...	Maori Gold Mines, Ltd. ...	Ftd.	...	...	...	...	...	...	...	...	...
Do.	3277z, 4895z ...	Maranora leases ...	18	...	...	...	...	...	...	...	...	307.00
Do.	3744z, 3820z ...	McClay's Welcome G.M. Co., N.L. ...	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	2826z, 2828/9z, 3050/1z, 3055/6z ...	Menzies, Ltd. ...	95 3 1	...	...	...	...	...	...	...	...	53.00
Do.	3011z, 3031z ...	Menzies Alpha Leases, Ltd. ...	43 1 21	...	...	...	...	...	...	...	...	200.50
Do.	4931/6z ...	Menzies Consold. G.Ms., Ltd. ...	144	20	...	6	40	1,000	...	...	...	6,589.00
Do.	2823z, 3009z ...	Menzies Crusoe Gold Claims, Ltd. ...	44	10	...	3	40	500	...	...	...	946.00
Do.	3036z ...	Menzies Gift G.M. Co., Ltd. ...	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	2830z ...	Menzies Golden Age Mine, Ltd. ...	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	4965/6z ...	Etrenna and Aurelia... ...	...	...	...	...	...	...	...	...	...	123.25
Do.	4938/9z, 4970z, ...	Menzies Gold Reefs Propy., Ltd. ...	42	20	p1	3	40	500	2	...	...	37.00
Do.	3277z, 4457z, 4751z, 4866z ...	Menzies Kensington G.M. Co., N.L. ...	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	4750z ...	Menzies Kensington East G.M. Co., N.L. ...	Ftd.	...	...	...	...	...	...	...	...	...
Do.	3121z ...	Menzies Lady Mary G.M. Co., Ltd. ...	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	2835z (3806z), 3914z, (4064z) ...	Menzies Lady Sherry G.M. Co., N.L. ...	36	...	...	...	...	...	...	...	...	131.00
Do.	4897z ...	Menzies Main Reef ...	Abd.	...	...	...	...	...	...	...	...	...
Do.	2832z, 2843 / 4z, 3089z, 3098z, 3100z, 3106z, 3138z, 3148z, 4930z, 4948z ...	Menzies Mining & Exploration Corporation, Ltd. ...	161 3 25	10	...	8	20	320	...	...	...	1,279.00
Do.	4953z ...	Menzies Proprietary ...	12	...	...	...	...	...	...	...	...	20.00
Do.	3345z ...	Menzies United ...	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	3149z (3150z), 3151z ...	Menzies United Mines, Ltd. ...	24	...	...	...	...	...	...	...	...	...
Do.	4960z ...	Meriyulah ...	12	...	...	...	...	...	...	...	8.00	9.00
Do.	4941z ...	Nil Desperandum ...	3	...	...	...	...	...	...	...	...	74.00
Do.	4920z ...	Oceanic ...	16	...	...	...	...	...	...	...	...	65.00
Do.	4877z ...	Ourine ...	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	4890z ...	Picton Valley ...	Wdn.	...	...	...	...	...	...	...	...	...
Do.	4926z ...	Prince Albert ...	Abd.	...	...	...	...	...	...	...	...	15.00
Do.	2836z ...	Queensland Menzies G.M. Co., N.L. ...	19 2 22	10	...	3	40	480	...	...	...	3,143.00
Do.	4859z ...	Resurrection ...	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	4950z ...	Springfield ...	24	...	...	...	...	...	...	...	...	39.00
Do.	4883z ...	St. Albans ...	6	...	...	...	...	...	...	...	...	94.00
Do.	4871z ...	Three Battlers ...	Abd.	...	...	...	...	...	...	...	...	...
Do.	3322z ...	True Blue ...	24	...	...	...	...	...	...	...	...	...
Do.	4923z ...	True Blue South ...	Abd.	...	...	...	...	...	...	...	...	7.00
Do.	4889z ...	Union Jack ...	6	...	...	...	...	...	...	...	...	232.00
Do.	4924z ...	Vindicator South ...	Wdn.	...	...	...	...	...	...	...	...	20.00
Do.	3048z, 3235z, 3398z ...	Warrior Menzies G.M. Co., N.L. ...	40	5	...	...	...	...	...	...	...	298.00
Do.	3205z ...	W.A. Development Syndicate, Ltd. ...	Ftd.	...	...	...	...	...	...	...	...	...
Do.	4908z ...	West Sea ...	Wdn.	...	...	...	...	...	...	...	...	...
Do.	...	Sundry Claims ...	...	...	...	...	...	...	...	...	...	179.00
		Carried forward ...	...	148	2	42	...	...	4	...	22.55	38,027.39

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

YEAR 1900.		TOTAL PREVIOUS TO 1900.					TOTAL GOLD PRODUCTION.					Esti- mated Value of Gold per oz., 1900.
Gold therefrom.	Average per ton treated.	Alluvial.	Dolled and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dolled and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	
ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	£ s. d.
5,986.03	...	...	262.00	16,659.10	13,498.08	...	...	276.55	23,753.74	19,484.11	...	
...	...	...	...	5.00	11.00	2.20	...	...	5.00	11.00	2.20	
443.68	1.04	...	...	947.00	1,186.56	1.25	...	...	1,372.00	1,630.24	1.18	3 9 10
...	...	...	...	74.00	70.90	.95	...	...	74.00	70.90	.95	
...	...	...	...	95.00	134.50	1.41	...	...	95.00	134.50	1.41	
55.77	5.57	...	...	5.00	11.80	2.36	...	...	15.00	67.57	4.50	
{ 20,479.33 { pl. 100.00 }	1.26	...	...	27,688.00	70,044.58	2.52	...	...	44,029.00	90,623.91	2.05	3 12 6
...	...	...	...	314.50	417.77	1.32	...	...	314.50	417.77	1.32	
245.44	.82	...	...	7.00	11.04	1.57	...	...	303.00	256.48	.84	3 12 5½
...	...	...	...	571.00	775.46	1.35	...	...	571.00	775.46	1.35	
467.68	1.52	...	...	278.30	335.51	1.20	...	...	585.30	803.19	1.37	3 13 1
...	...	...	...	82.00	57.83	.70	...	...	82.00	57.83	.70	
50.70	.95	...	...	255.00	486.08	1.90	...	...	308.00	536.78	1.74	
287.91	1.43	...	...	942.00	4,096.77	4.34	...	...	1,142.50	4,384.68	3.83	
7,426.68	1.12	...	...	21,111.00	20,505.18	.97	...	...	27,700.00	27,931.86	1.01	3 7 11
795.47	.84	...	...	15,807.00	26,046.49	1.64	...	...	16,753.00	26,841.96	1.60	3 5 4
...	...	...	...	50.00	14.81	.29	...	...	50.00	14.81	.29	
...	...	...	...	292.50	1,293.02	4.42	...	...	292.50	1,293.02	4.42	
120.09	.97	...	...	431.00	178.95	.41	...	...	554.25	299.04	.53	3 17 10½
1,217.73	...	...	...	5,971.00	12,366.19	2.07	...	...	6,008.00	13,583.92	2.26	3 1 3
cy. 28.05	...	...	...	928.00	901.86	.97	...	...	928.00	929.91	1.00	
...	...	...	...	10.00	6.05	.60	...	...	10.00	6.05	.60	
...	...	...	...	14.00	1.45	.10	...	...	14.00	1.45	.10	
124.32	.94	...	...	980.00	1,472.78	1.50	...	...	1,111.00	1,597.10	1.43	
...	...	...	...	39.00	19.03	.48	...	...	39.00	19.03	.48	
2,103.30	1.64	...	...	3,856.95	4,483.16	1.16	...	...	5,135.95	6,586.46	1.28	3 6 8
45.30	2.26	...	...	...	...	...	...	...	20.00	45.30	2.26	
...	...	...	...	139.00	114.14	.82	...	...	139.00	114.14	.82	
...	...	...	...	121.85	137.16	1.12	...	...	121.85	137.16	1.12	
5.15	.57	...	...	...	...	...	...	8.00	9.00	5.15	.57	
165.64	2.23	...	...	...	...	...	...	...	74.00	165.64	2.23	3 18 3
55.26	.85	...	...	36.00	19.29	.53	...	...	101.00	74.55	.73	
...	...	...	...	30.00	26.53	.88	...	...	30.00	26.53	.88	
...	...	...	...	20.00	42.05	2.10	...	...	20.00	42.05	2.10	
7.74	.51	...	...	6.00	5.85	.97	...	...	21.00	13.59	.64	
7,667.41	2.43	...	...	10,001.00	34,135.20	3.41	...	...	13,144.00	41,802.61	3.18	3 7 9
...	...	...	...	46.50	26.92	.57	...	...	46.50	26.92	.57	
30.20	.77	...	...	...	...	...	...	...	39.00	30.20	.77	
226.85	2.41	...	...	170.75	385.49	2.25	...	...	264.75	612.34	2.31	3 15 0
...	...	...	...	57.00	46.60	.81	...	...	57.00	46.60	.81	
...	...	...	...	100.00	28.65	.28	...	...	100.00	28.65	.28	
38.40	5.48	...	...	44.00	26.78	.60	...	...	51.00	65.18	1.27	
265.56	1.14	...	...	361.00	556.26	1.54	...	...	593.00	821.82	1.38	
30.40	1.52	...	...	9.00	9.00	1.00	...	...	29.00	39.40	1.35	
227.55	.76	...	...	424.00	385.52	.90	...	...	722.00	613.07	.84	3 15 0
...	...	...	...	177.50	135.12	.76	...	...	177.50	135.12	.76	
...	...	...	...	12.00	8.85	.73	...	...	12.00	8.85	.73	
186.94	...	...	3.00	368.00	447.32	...	...	3.00	547.00	634.26	...	
48,884.58	...	...	265.00	109,536.95	194,963.58	...	...	287.55	147,564.34	243,848.16	...	

TABLE IV.—Return of all

North Coolgardie

MENZIES

MINING CENTRE.	NUMBER OF LEASE.	REGISTERED NAME OF LEASE OR COMPANY.	Area in Acres.	PARTICULARS OF PLANT.							TOTAL FOR		
				Milling.			Cyaniding.				Alluvial.	Dollied and Specimens	Ore treated.
				Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.	tons.				ozs.	tons.
		Brought forward	...	148	2	42	tons.	tons.	4	ozs.	ozs.	tons.	
		<i>From District generally—</i>											
		Sundry parcels treated at A. C., 314z	...	...	...	...	...	...	...	...	...	...
	Do.	Hicks' Battery	...	...	...	...	...	...	...	...	...	...
	Do.	Menzies Exploration Corpn. Battery	...	...	...	...	...	...	...	...	...	20'00
	Do.	Menzies Gold Reef Propy. Battery	...	...	...	...	...	...	...	...	...	...
	Do.	Ninety-Mile Proprietary Battery	...	...	...	...	...	...	...	...	...	...
	Do.	Queensland Menzies Battery	...	...	...	...	...	...	...	...	...	...
	Alluvial	...	...	...	...	...	...	...	...	552'88	16'52	...
		Notices of Purchase	...	...	...	...	...	...	...	...	...	...
		Total	...	148	2	42	...	...	4	552'88	39'07	33,047'39

ULARRING

MINING CENTRE.	NUMBER OF LEASE.	REGISTERED NAME OF LEASE OR COMPANY.	Area in Acres.	PARTICULARS OF PLANT.							TOTAL FOR		
				Milling.			Cyaniding.				Alluvial.	Dollied and Specimens	Ore treated.
				Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.	tons.			
Callion	19v	Callion, Ltd.	18	...	...	...	tons.	tons.	...	ozs.	ozs.	tons.
Do.	457v	Commonwealth	a. r. p.	...	...	...	...	...	...	...	...	...
Do.	466v	Commonwealth Extended	10 3 1	...	...	...	...	...	...	...	...	18'25
Do.	460v	Forget-me-not	9	...	...	...	...	...	...	...	...	8'00
Do.	459v	Golden Pole	18	...	...	...	...	...	...	...	...	46'00
Do.	478v	Hanover	12	...	...	...	...	...	...	...	...	34'00
Do.	471v	Junction	12	...	...	...	...	...	...	...	...	10'00
Do.	387v	King	Ftd.	...	...	...	...	...	...	...	...	6'00
Do.	285v (4902z)	Lady Dorothy	V.N.P.	...	...	...	...	...	...	...	...	85'50
Do.	86v	Lady Kate	Ftd.	...	...	...	...	...	...	...	...	...
Do.	455v (86v)	Lady Kate	5	...	...	...	...	...	...	...	...	84'50
Do.	393v	Lady Troy	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	405v	Little Wanderer	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	44v	Melbourne	18	...	...	...	...	...	...	...	...	24'00
Do.	439v	Melrose	24	...	...	...	...	...	...	...	...	8'00
Do.	410v	Mt. Macedon	Abd.	...	...	...	...	...	...	...	...	...
Do.	488v	Pretoria	15	...	...	...	...	...	...	...	...	11'00
Do.	192v	Snowdrop	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	11v, 12v	Speakman's Mt. Callion, Ltd.	30	20	...	3	40	640	...	...	...	777'50
Do.	438v	Waihi	24	...	...	...	...	...	...	...	5'00	140'50
Do.	496v	Waihi Consols	a. r. p.	...	...	...	...	...	...	...	...	22'00
Do.	479v	Waihi North Extended	2 3 18	...	...	...	...	...	...	...	...	11'00
Do.	59v	Welcome Stranger	Ftd.	...	...	...	...	...	...	...	...	...
Do.	...	Sundry Claims	...	...	...	...	...	...	...	...	...	136'00
Mt. Higgins	363v	Big Buck	V.N.P.	...	...	...	...	...	...	...	...	20'00
Do.	335v	Buninyong	Ftd.	...	...	...	...	...	...	...	...	...
Do.	529v (383v)	Cranbrook	5	...	...	...	...	...	...	...	...	15'00
Do.	430v	Dreyfus Release	Abd.	...	...	...	...	...	...	...	...	22'00
Do.	452v	Dum Dum	6	...	...	...	...	...	...	...	...	10'00
Do.	368v	Enterprise	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	377v	Fairy Queen	Ftd.	...	...	...	...	...	...	...	...	...
Do.	449v	Federal	Abd.	...	...	...	...	...	...	...	...	12'00
Do.	402v (50v)	Flora	6	...	...	...	...	...	...	...	...	...
Do.	550v (449v)	Golden Star	10	...	...	...	...	...	...	...	...	10'00
		Carried forward	...	20	...	3	...	...	...	...	5'00	1,511'25

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

YEAR 1900.		TOTAL PREVIOUS TO 1900.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1900.
Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	
ozs. 48,884.58	ozs. ...	ozs. ...	ozs. 265.00	tons. 109,536.95	ozs. 194,963.58	ozs. ...	ozs. ...	ozs. 287.55	tons. 147,564.34	ozs. 243,848.16	ozs. ...	£ s. d.
cy. 276.00	276.00	...	
...	34.00	20.75	...	...	...	34.00	20.75	...	
20.54	20.00	20.54	...	
...	49.05	902.28	...	...	...	49.05	902.28	...	
...	102.00	77.00	...	...	...	102.00	77.00	...	
...	36.00	43.00	...	...	...	36.00	43.00	...	
...	...	53.20	...	...	...	...	53.20	...	...	...	...
...	...	36.42	...	...	...	...	589.30	16.52	...	...	...
49,181.12	1.29	89.62	265.00	109,758.00	196,006.61	1.78	642.50	304.07	147,805.39	245,187.73	1.65	

DISTRICT.

YEAR 1900.		TOTAL PREVIOUS TO 1900.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1900.
Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	
ozs. ...	ozs. ...	ozs. ...	ozs. ...	tons. 54.75	ozs. 24.42	ozs. .44	ozs. ...	ozs. ...	tons. 54.75	ozs. 24.42	ozs. .44	£ s. d.
37.06	2.03	...	...	...	...	...	...	...	18.25	37.06	2.03	
48.00	6.00	...	...	...	...	...	...	...	8.00	48.00	6.00	
109.29	2.37	...	...	...	...	...	...	...	46.00	109.29	2.37	
54.70	1.60	...	...	...	...	...	...	...	34.00	54.70	1.60	
8.80	.88	...	...	...	...	...	...	...	10.00	8.80	.88	
16.50	2.75	...	...	...	...	...	...	...	6.00	16.50	2.75	
44.82	.52	...	...	92.00	60.46	.65	...	...	177.50	105.28	.59	
...	...	...	...	1.65	39.25	...	...	...	1.65	39.25	...	
89.05	1.05	...	46.37	121.70	337.80	2.77	...	46.37	121.70	337.80	2.77	
...	...	...	...	...	...	...	...	...	84.50	89.05	1.05	3 11 0
...	...	...	...	52.00	34.83	.66	...	...	52.00	34.83	.66	
...	...	...	...	21.00	29.15	1.38	...	...	21.00	29.15	1.38	
7.75	.32	...	...	50.00	15.00	.30	...	...	74.00	22.75	.30	
53.25	6.65	...	...	...	...	...	...	...	8.00	53.25	6.65	
...	...	...	...	48.00	107.02	2.22	...	...	48.00	107.02	2.22	
2.46	.22	...	...	...	...	...	...	...	11.00	2.46	.22	
...	...	...	...	114.50	56.83	.49	...	...	114.50	56.83	.49	
643.55	.82	...	...	1,122.25	606.71	.54	...	...	1,809.75	1,250.26	.65	3 5 0
828.22	5.89	...	...	...	...	...	...	5.00	140.50	828.22	5.89	3 16 8
59.15	2.68	...	...	...	...	...	...	...	22.00	59.15	2.68	
44.75	4.06	...	...	...	...	...	...	...	11.00	44.75	4.06	
...	...	...	39.00	...	...	...	...	39.00	...	...	...
60.11	...	...	1.40	156.00	197.25	...	...	1.40	292.00	257.36	...	
18.05	.90	...	3.82	82.50	113.95	1.38	...	3.82	102.50	132.00	1.28	
...	...	...	...	196.05	303.15	1.54	...	...	196.05	303.15	1.54	
30.75	2.05	...	...	...	...	...	...	...	15.00	30.75	2.05	
14.10	.64	...	...	10.20	13.15	1.28	...	...	32.20	27.25	.84	
8.37	.83	...	...	...	...	...	...	...	10.00	8.37	.83	
...	...	...	5.00	5.00	3.25	.65	...	5.00	5.00	3.25	.65	
...	...	...	...	108.00	47.71	.44	...	...	108.00	47.71	.44	
7.35	.61	...	...	...	...	...	...	...	12.00	7.35	.61	
...	...	...	...	46.00	21.79	.47	...	...	46.00	21.79	.47	
9.75	.97	...	...	...	...	...	...	...	10.00	9.75	.97	
2,195.83	...	...	95.59	2,281.60	2,011.72	...	...	100.59	3,792.85	4,207.55	...	

TABLE IV.—Return of all

North Coolgardie

ULARRING

MINING CENTRE.	NUMBER OF LEASE.	REGISTERED NAME OF LEASE OR COMPANY.	Area in Acres.	PARTICULARS OF PLANT.							TOTAL FOR		
				Milling.		Cyaniding.					Alluvial.	Dollied and Specimens	Ore treated.
				Number Stamp.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.	ozs.			
		Brought forward	...	20	...	3	tons.	tons.	...	...	...	5'00	1,511'25
Mt. Higgins	401v	Killaloe	...	12	...	...	...	...	...	...	...	...	84'00
Do.	383v	Lady Emma	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do.	400v (40v)	Mona	...	18	...	...	...	...	...	...	...	...	88'50
Do.	252v	Mt. Egan's Big Gun	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do.	8v	Mt. Higgins Property	Surr.	...	...	...	...	...	...	...	...	...	30'00
Do.	9v	Malwarie	...	24	...	...	...	...	...	...	...	...	241'50
Do.	494v (8v)	Mulwarrie Main Reef	...	12	...	...	...	...	...	...	...	...	22'00
Do.	522v	Mulwarrie Moonstone	...	10	...	...	...	...	...	...	...	...	18'00
Do.	395v	Mulwarrie North	...	24	...	...	...	...	...	...	...	...	159'00
Do.	308v	Oakley	...	12	...	...	...	...	...	...	...	...	324'00
Do.	419v	Right Bower	Abd.	...	...	...	...	...	...	...	...	...	...
Do.	366v	Roseleaf	Ftd.	...	...	...	...	...	...	...	...	...	...
Do.	407v (366v)	Roseleaf	...	5	...	...	...	...	...	...	...	...	51'50
Do.	533v	South Mona	...	6	...	...	...	...	...	...	...	...	21'00
Do.	364v (252v)	Stevenson's Big Gun	...	6	...	...	...	...	...	...	...	...	...
Do.	40v, 50v	Ularring Westralia G.M. Co., N.L.	Ftd.	...	...	...	...	...	...	...	...	...	...
Do.	6v	Ularring Westralia G.M. Co., N.L.	...	18	...	...	...	...	...	...	...	...	202'00
Do.	428v	Welcome	Abd.	...	...	...	...	...	...	...	...	...	22'00
Do.	520v (428v)	Welcome	...	12	...	...	...	...	...	...	...	...	20'00
Do.	...	Sundry Claims	...	...	...	...	...	...	...	...	...	...	...
Mt. Ida	36v, 62v, 115/6v, 260/2v	Anglo - Continental Gold Syndicate, Ltd.	V.N.P.	...	...	...	...	...	...	...	...	...	520'00
Do.	396v	Belvidere	Abd.	...	...	...	...	...	...	...	...	...	...
Do.	17v	Boudie's Nest	V.N.P.	...	...	...	...	...	...	...	...	...	87'00
Do.	347v	Boudie's Nest No. 1 North	Ftd.	...	...	...	...	...	...	...	...	...	...
Do.	514v (347v)	Boudie's Nest No. 1 North	...	5	...	...	...	...	...	...	...	...	11'00
Do.	443v	Curragong	V.N.P.	...	...	...	...	...	...	...	...	...	65'00
Do.	539v (17v)	Davy Die	...	6	...	...	...	...	...	...	...	...	16'75
Do.	431v	Evening Star	V.N.P.	...	...	...	...	...	...	...	...	...	31'00
Do.	404v	Federation	Ftd.	...	...	...	...	...	...	...	...	...	12'00
Do.	326v	Forest Belle	a. r. p. 18 3 0	...	...	...	...	...	...	...	...	...	941'00
Do.	298v	Golden Vale	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do.	...	Government Public Battery	...	10	...	...	...	...	...	...	...	...	...
Do.	388v	Great Mt. Ida	V.N.P.	...	...	...	...	...	...	...	...	...	55'00
Do.	36v	Ida	Surr.	...	...	...	...	...	...	...	...	...	456'00
Do.	355v	Ida Gem	V.N.P.	...	...	...	...	...	...	...	...	...	171'50
Do.	343v	Kurrajong	Abd.	...	...	...	...	...	...	...	...	...	...
Do.	193v, 203/5v, 218/9v, 382v	Mt. Ida Consols, Ltd.	...	1 5	10	...	...	...	...	...	...	...	1,190'00
Do.	513v (421v)	Nelly Bly	...	5	...	...	...	...	...	...	...	...	49'00
Do.	349v	Pactolus	...	12	...	...	...	...	...	...	...	...	274'00
Do.	392v	Pactolus South	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do.	375v	Pioneer	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do.	421v	Pocahontas	Abd.	...	...	...	...	...	...	...	...	...	...
Do.	52v	(Rio Tinto)	...	...	...	...	...	...	...	...	...	...	1,440'00
Do.	52v	Rio Tinto G.M. Co., Ltd.	...	24	...	...	...	...	...	...	...	...	350'00
Do.	354v	Star of the East	V.N.P.	...	...	...	...	...	...	...	...	...	9'00
Do.	361v	Stornoway Castle	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do.	540v	Tit Lark	...	12	...	...	...	...	...	...	...	...	24'00
Do.	...	Sundry Claims	...	...	...	...	...	...	...	...	...	...	255'50
Mulline	327v	Acrobat	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do.	501v	Ajax	...	10	...	...	...	...	...	...	...	...	70'00
Do.	74v	Albury	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do.	243v	Anatasia	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do.	450v (357v)	Argentina	...	12	...	...	...	...	...	...	...	...	106'00
Do.	179v	Belle Maie	...	18	...	...	...	...	...	...	...	...	453'00
Do.	446v	Boer	Abd.	...	...	...	...	...	...	...	...	...	11'00
Do.	162v	British Lion	...	24	...	...	...	...	...	...	...	...	...
Do.	448v	Chiltern	...	12	...	...	...	...	...	...	...	...	34'50
Do.	433v	Cocas	Abd.	...	...	...	...	...	...	...	...	...	31'50
Do.	330v, 408v	Cooladdie leases	...	24	...	...	...	...	...	...	...	...	473'00
Do.	362v	Dawn	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do.	206v	Day Dream	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do.	314v	Day Dream South No. 2 Extd.	...	4	...	...	...	...	...	...	...	...	22'50
Do.	353v	Don Juan	Abd.	...	...	...	...	...	...	...	...	...	...
Do.	340v	Dungan	...	10	...	...	...	...	...	...	...	...	8'50
Do.	542v	Exchange	Abd.	...	...	...	...	...	...	...	...	...	7'00
Do.	350v	Golden Lode	V.N.P.	...	...	...	...	...	...	...	...	...	11'50
Do.	315v	Gold Standard	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do.	435v (315v)	Gold Standard	V.N.P.	...	...	...	...	...	...	...	...	...	80'00
		Carried forward	...	40	...	3	...	...	...	...	...	5'00	10,064'00

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

YEAR 1900.		TOTAL PREVIOUS TO 1900.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold Per oz., 1900.
Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	
ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	£ s. d.
2,195.83	...	...	95.59	2,281.60	2,011.72	...	...	100.59	3,792.85	4,207.55	...	
116.65	1.38	...	...	...	...	...	...	...	84.00	116.65	1.38	4 1 5
...	...	...	...	10.50	11.00	1.04	...	...	10.50	11.00	1.04	
153.47	1.73	...	...	76.00	165.27	2.17	...	...	164.50	318.74	1.32	
...	...	...	...	2.00	6.70	3.35	...	...	2.00	6.70	3.35	
28.55	.95	...	...	452.25	864.93	1.91	...	...	482.25	893.48	1.85	
481.60	1.99	...	...	969.49	3,042.13	3.13	...	...	1,210.99	3,523.73	2.90	
133.30	6.06	...	...	...	...	...	...	...	22.00	133.30	6.06	
45.20	2.51	...	...	...	...	...	...	...	18.00	45.20	2.51	
511.60	3.21	...	...	255.00	523.60	2.05	...	...	414.00	1,035.20	2.50	
724.55	2.23	...	...	272.00	766.23	2.81	...	...	596.00	1,490.78	2.50	3 13 0
...	...	...	2.08	10.00	6.60	.66	...	2.08	10.00	6.60	.66	
...	...	...	...	16.25	50.50	3.10	...	...	16.25	50.50	3.10	
55.84	1.08	...	...	23.00	73.02	3.17	...	...	74.50	128.86	1.72	
83.55	3.97	...	...	...	...	...	...	...	21.00	83.55	3.97	
...	...	...	...	74.00	72.32	.97	...	...	74.00	72.32	.97	
...	...	...	...	90.90	204.50	2.24	...	...	90.90	204.50	2.24	
376.75	1.86	...	...	295.25	594.85	2.01	...	...	497.25	971.60	1.95	3 2 0
44.18	2.00	...	...	15.00	21.48	1.43	...	...	37.00	65.66	1.77	
27.70	1.38	...	...	...	...	...	...	...	20.00	27.70	1.38	
...	...	...	...	30.50	15.20	...	...	...	30.50	15.20	...	
598.80	1.15	...	...	841.00	1,719.70	2.04	...	...	1,361.00	2,318.50	1.70	
...	...	...	...	49.50	30.00	.60	...	...	49.50	30.00	.60	
77.65	.89	...	...	229.50	172.10	.74	...	...	316.50	249.75	.78	
...	...	...	...	25.00	4.43	.17	...	...	25.00	4.43	.17	
9.95	.90	...	...	...	...	...	...	...	11.00	9.95	.90	
26.80	.41	...	...	...	...	...	...	...	65.00	26.80	.41	
10.50	.62	...	...	...	...	...	...	...	16.75	10.55	.62	
11.44	.36	...	...	...	...	...	...	...	31.00	11.40	.36	
21.44	1.78	...	...	40.00	36.35	.90	...	...	52.00	57.77	1.11	
1,350.05	1.43	...	...	259.00	338.55	1.30	...	...	1,200.00	1,688.58	1.40	3 10 0
...	...	...	84.28	50.00	50.00	1.00	...	84.28	50.00	50.00	1.00	
...	...	...	...	2.00	2.20	1.10	...	...	57.00	34.20	.60	
32.00	.58	...	...	...	...	...	...	...	456.00	537.25	1.17	
537.25	1.17	...	...	243.00	313.10	1.28	...	...	414.50	513.50	1.23	
200.40	1.16	...	...	52.00	40.30	.77	...	...	52.00	40.30	.77	
1,746.25	1.46	...	...	1,603.00	3,988.45	2.48	...	...	2,793.00	5,734.70	2.05	3 17 3
62.95	1.28	...	...	...	...	...	...	...	49.00	62.95	1.28	
324.15	1.18	...	...	50.00	33.75	.67	...	...	324.00	357.90	1.10	3 16 10
...	...	...	...	88.00	65.71	.74	...	...	88.00	65.71	.74	
...	...	...	...	50.00	10.00	.20	...	...	50.00	10.00	.20	
...	...	...	...	34.00	24.45	.71	...	...	34.00	24.45	.71	
1,324.47	.91	...	...	250.00	410.80	1.64	...	...	1,690.00	1,735.27	1.02	3 19 0
272.50	.77	...	...	...	...	...	...	...	350.00	272.50	.77	3 19 0
4.30	.47	...	...	19.50	24.99	1.28	...	...	28.50	29.29	1.02	
...	...	...	...	44.00	4.55	.10	...	...	44.00	4.55	.10	
11.55	.48	...	...	...	...	...	...	...	24.00	11.55	.48	
211.35	...	...	...	95.00	102.46	...	...	...	350.50	313.81	...	
...	...	...	...	55.67	85.50	1.53	...	...	55.67	85.50	1.53	
73.60	1.05	...	...	...	...	...	...	...	70.00	73.60	1.05	
...	...	...	...	25.00	66.90	2.67	...	...	25.00	66.90	2.67	
...	...	...	...	19.00	46.92	2.47	...	...	19.00	46.92	2.47	
51.40	.48	...	...	...	...	...	...	...	106.00	51.40	.48	
271.90	.60	...	...	80.00	56.60	.70	...	...	533.00	328.50	.61	4 0 7
5.00	.45	...	...	...	...	...	...	...	11.00	5.00	.45	
...	...	...	...	68.30	78.75	1.15	...	...	68.30	78.75	1.15	
19.05	.55	...	...	...	...	...	...	...	34.50	19.05	.55	
46.50	1.34	...	...	...	...	...	...	...	34.50	46.50	1.34	
592.00	1.25	...	...	107.00	118.40	1.10	...	...	580.00	710.40	1.22	3 7 4
...	...	...	...	30.00	19.50	.65	...	...	30.00	19.50	.65	
...	...	...	...	10.00	2.10	.21	...	...	10.00	2.10	.21	
31.85	1.41	...	...	52.00	53.90	1.03	...	...	74.50	85.75	1.15	
...	...	...	...	72.50	76.30	1.05	...	...	72.50	76.30	1.05	
6.25	.73	...	...	81.00	69.80	.86	...	...	89.50	76.05	.84	
11.75	1.67	...	...	...	...	...	...	...	7.00	11.75	1.67	
11.60	1.00	...	...	2.00	12.00	6.00	...	...	13.50	23.60	1.74	
...	...	...	...	168.00	145.80	.86	...	...	168.00	145.80	.86	
109.52	1.36	...	...	...	...	...	...	...	80.00	109.52	1.36	
13,042.98	...	...	181.95	9,668.71	16,634.39	...	...	186.95	19,732.71	29,677.37	...	

TABLE IV.—Return of all

North Coolgardie

ULARRING

MINING CENTRE.	NUMBER OF LEASE.	REGISTERED NAME OF LEASE OR COMPANY.	Area in Acres.	PARTICULARS OF PLANT.							TOTAL FOR		
				Milling.		Cyaniding.					Alluvial.	Dollied and Specimens	Ore treated.
				Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.	ozs.				ozs.	tons.
		Brought forward ...	...	40	...	3	tons.	tons.	...	ozs.	ozs.	tons.
Mulline	...	Government Public Battery	...	10	...	...	...	...	...	...	5 00	10,064 00
Do.	483u (385u)	Great Expectation	12	...	...	...	...	...	...	...	...	55 00
Do.	403u	Lady Florence	18	...	...	...	...	...	...	...	...	95 00
Do.	139u, 235u	Lady Gladys leases	24	...	...	...	...	...	...	...	...	655 50
Do.	290u	Lady Gladys Junction	3	...	...	...	...	...	...	...	...	444 00
Do.	534u	Le Grand	3	...	...	...	...	...	...	...	...	7 00
Do.	328u	Marvellous West	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	528u	Mikado	12	...	...	...	...	...	...	...	...	19 00
Do.	95u	Monarch G.M. Co., N.L.	Ftd.	...	...	...	...	...	...	...	...	...
Do.	451u (95u)	Monarch	5	...	...	...	...	...	...	...	...	79 00
Do.	2u	Mulline	15	...	...	...	...	...	...	...	...	294 00
Do.	437u	Mystery	V.N.P.	...	...	...	...	...	...	...	...	37 00
Do.	548u (437u)	Mystery	6	...	...	...	...	...	...	...	...	65 00
Do.	409u	New Find	Abd.	...	...	...	...	...	...	...	...	...
Do.	434u (328u)	Nil Desperandum	5	...	...	...	...	...	...	...	...	477 75
Do.	311u	Our Luck	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	356u	Perseverance	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	444u	Pride of the Hills	Abd.	...	...	...	...	...	...	...	...	41 00
Do.	423u	Refuse	12	...	...	...	...	...	...	...	...	15 00
Do.	422u	Reprieve	5	...	...	...	...	...	...	...	...	365 00
Do.	123u, 162u	Riverina G.M. Co., N.L.	48	10	...	...	...	...	...	...	...	2,313 00
Do.	359u	Riverina No. 1 North	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	390u	Riverina North Extended	Abd.	...	...	...	...	...	...	...	...	...
Do.	324u	Riverina South	13	...	...	...	...	...	...	...	...	589 00
Do.	357u	Rose and Shamrock	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	497u	Schnider	6	...	...	...	...	...	...	...	...	18 00
Do.	367u	Try Again	V.N.P.	...	...	...	...	...	...	...	...	19 00
Do.	385u	Vera	V.N.P.	...	...	...	...	...	...	...	...	10 00
Do.	345u	Victorian	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	397u	Victoria Extended	Ftd.	...	...	...	...	...	...	...	...	20 00
Do.	332u	Young Australia	24	...	...	...	...	...	...	...	...	31 00
Do.	...	Sundry Claims	...	...	...	...	...	...	...	...	...	88 50
Ularring	351u	Central Off Chance	Ftd.	...	...	...	...	...	...	...	...	...
Do.	348u	Cuba	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	373u	Daimio No. 2	3	...	...	...	...	...	...	...	...	73 50
Do.	339u	Derby	18	...	...	...	...	...	...	...	...	80 00
Do.	376u	Lady Betty	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	89u, 92u	London and Coolgardie Explorers, Ltd.	36	...	...	...	...	...	...	...	...	224 50
Do.	346u	Matchless	Abd.	...	...	...	...	...	...	...	...	...
Do.	338u	Off Chance	24	...	...	...	...	...	...	...	...	341 00
Do.	370u	Puzzle	Abd.	...	...	...	...	...	...	...	...	...
Do.	1u	Shamrock	20	...	...	...	...	...	...	...	...	150 00
Do.	371u	Shamrock North	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	360u	Trio	V.N.P.	...	...	...	...	...	...	...	...	25 75
Do.	406u	Yale Lock	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	...	Sundry Claims	...	...	...	...	...	...	...	...	...	6 00
<i>From District generally:—</i>													
		Sundry parcels treated at Government Public Battery, Mt. Ida	...	...	...	...	...	...	...	...	...	70 50
		Do. do. Government Public Battery, Mulline	...	...	...	...	...	...	...	...	...	47 00
		Notices of Purchase	...	...	...	...	...	...	...	...	...	...
		Total	...	60	...	3	...	...	...	5 00	...	16,820 00

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT—continued,

YEAR 1900.		TOTAL PREVIOUS TO 1900.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1900.		
Gold therefrom.	Average per ton treated.	Alluvial.	Dolled and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dolled and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	£	s.	d.
13,042.98	...	...	181.95	9,668.71	16,684.39	...	...	186.95	19,732.71	29,677.37	...			
...			
9.90	.18	...	...	...	...	...	...	...	55.00	...	.18			
134.65	1.41	...	...	84.50	126.00	1.49	...	...	179.50	260.65	1.45	3	19	10
726.15	1.10	...	186.73	290.00	475.08	1.64	...	186.73	945.50	1,201.23	1.27	4	0	0
429.10	.98	...	2.24	168.00	205.70	1.22	...	2.24	612.00	634.80	1.03			
6.60	.94	...	...	...	...	...	...	...	7.00	6.60	.94			
...	...	...	...	158.00	159.85	1.01	...	...	158.00	159.85	1.01			
21.25	1.11	...	...	...	...	...	...	...	19.00	21.25	1.11			
...	...	...	...	311.00	321.09	1.03	...	...	311.00	321.09	1.03			
52.10	.65	...	...	...	...	...	...	...	79.00	52.10	.65			
374.65	1.27	...	...	147.25	263.75	1.79	...	...	441.25	638.40	1.44	3	18	2½
42.65	1.15	...	...	116.00	92.13	.79	...	...	153.00	134.78	.88			
81.60	1.25	...	...	...	...	...	...	...	65.00	81.60	1.25	4	0	0
...	...	...	...	25.00	198.70	7.94	...	...	25.00	198.70	7.94			
623.50	1.30	...	...	...	...	...	...	...	477.75	623.50	1.30			
...	...	...	...	50.00	59.75	1.19	...	...	50.00	59.75	1.19			
...	...	...	...	8.00	7.95	.99	...	...	8.00	7.95	.99			
56.00	1.36	...	...	...	...	...	...	...	41.00	56.00	1.36			
20.50	1.36	...	...	30.00	19.90	.66	...	...	45.00	40.40	.89			
816.65	2.23	...	...	55.50	149.20	2.68	...	...	420.50	965.85	2.29	3	10	6
1,733.14	.74	...	...	90.00	77.45	.86	...	...	2,403.00	1,810.59	.75	3	15	0
...	...	...	...	128.00	83.66	.65	...	...	128.00	83.66	.65			
...	...	...	...	33.00	72.92	2.20	...	...	33.00	72.92	2.20			
421.23	.71	...	...	107.00	46.40	.43	...	...	696.00	467.63	.67	3	18	9
...	...	...	...	121.00	66.85	.55	...	...	121.00	66.85	.55			
14.15	.78	...	...	...	...	...	...	...	18.00	14.15	.78			
8.55	.45	...	...	181.75	186.62	1.02	...	...	200.75	195.17	.97			
10.00	1.00	...	...	10.50	20.58	1.96	...	...	20.50	30.58	1.49			
...	...	...	...	106.50	229.95	2.15	...	...	106.50	229.95	2.15			
42.10	2.10	...	...	27.00	80.30	2.97	...	...	47.00	122.40	2.60	3	17	10
55.00	1.77	...	...	111.00	304.55	2.74	...	...	142.00	359.55	2.53	3	18	9½
96.70	...	...	25	257.25	262.73	...	...	25	345.75	359.43	...			
...	...	...	...	11.00	1.76	.16	...	...	11.00	1.76	.16			
...	...	...	...	4.00	14.55	3.63	...	...	4.00	14.55	3.63			
84.30	1.14	...	...	24.00	63.93	2.66	...	...	97.50	148.23	1.52	3	17	6
51.75	.64	...	...	83.25	95.28	1.14	...	...	163.25	147.03	.90	3	14	0
...	...	...	...	10.00	4.90	.49	...	...	10.00	4.90	.49			
320.10	1.42	...	...	328.15	637.73	1.94	...	...	552.65	937.83	1.73			
...	...	...	...	8.00	3.05	.38	...	...	8.00	3.05	.38			
762.35	2.23	...	...	473.50	1,281.30	2.70	...	...	814.50	2,043.65	2.50			
...	...	...	...	37.00	28.78	.77	...	...	37.00	28.78	.77			
126.85	.84	...	...	226.75	500.86	2.20	...	...	376.75	627.71	1.66			
...	...	...	...	38.00	28.27	.74	...	...	38.00	28.27	.74			
20.90	.81	...	2.00	63.00	81.25	1.28	...	2.00	88.75	102.15	1.15			
...	...	...	...	30.00	6.75	.22	...	...	30.00	6.75	.22			
2.70	...	...	...	...	...	...	...	...	6.00	2.70	...			
48.70	...	...	...	...	...	...	...	...	70.50	48.70	...			
43.16	...	...	...	...	...	...	...	...	47.00	43.16	...			
...	...	1.82	.83	...	...	...	1.82	.83	...	...	...
20,279.96	1.20	1.82	374.00	13,621.61	22,893.91	1.68	1.82	379.00	30,441.61	43,173.87	1.41			

TABLE IV.—Return of all

North Coolgardie

NIAGARA

MINING CENTRE.	NUMBER OF LEASE.	REGISTERED NAME OF LEASE OR COMPANY.	Area in Acres.	PARTICULARS OF PLANT.							TOTAL FOR			
				Milling.		Cyaniding.					Alluvial.	Dolled and Specimens	Ore treated.	
				Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.	ozs.				ozs.	tons.
Niagara	27g, 28g...	Altona leases (Cosmopolitan Proprietary, Ltd.)	24	...	...	...	...	...	...	...	...	...	...	294-00
Do.	449g	American	12	...	...	...	...	...	...	...	...	...	...	9-00
Do.	146g	Ballarat	Abd.	...	...	...	...	...	...	...	...	...	...	...
Do.	308g (146g)	Ballarat	12	...	...	...	...	...	...	...	...	...	...	50-00
Do.	279g	Batavia (Britannia G.M. Co., Ltd.)	12	...	...	...	...	...	...	...	...	...	...	1,464-00
Do.	41g (268g)	Britannia G.M. Co., Ltd.	24	10	...	6	40	1,000	...	...	...	...	...	2,477-00
Do.	404g	Britisher	12	...	...	...	...	...	...	...	...	...	...	30-00
Do.	398g	Caledonian	12	...	...	...	...	...	...	...	...	...	...	62-00
Do.	2g, 7g, 48g, M.A. 5g	Challenge Mining and Milling Co., Ltd.	a. r. p. 44 2 13	10	...	3	25	450	...	...	...	38-40	...	781-00
Do.	320g, 335g, 347g	Champion leases	35	...	...	...	...	...	...	...	...	...	...	1,097-00
Do.	265g, 269g	Cosmopolitan Proprietary, Ltd.	...	30	...	5	100	...	...	...	...	...	...	...
Do.	20g, 87g, 94g, 338g	Cumberland Niagara G.Ms., Ltd.	84	20	...	...	...	...	...	...	...	...	...	4,036-00
Do.	273g	Day Dawn	V.N.P.	...	...	...	...	...	...	...	...	...	...	...
Do.	424g (273g)	Day Dawn	6	...	...	...	...	...	...	...	...	...	...	10-00
Do.	194g	Diamantina	24	...	...	...	...	...	...	...	...	...	...	...
Do.	345g	Dollar	V.N.P.	...	...	...	...	...	...	...	...	...	...	...
Do.	291g	Dolly Darling	V.N.P.	...	...	...	...	...	...	...	...	...	...	...
Do.	397g	Eldorado	12	...	...	...	...	...	...	...	...	...	...	33-00
Do.	26g	Englishman (Cosmopolitan Proprietary, Ltd.)	12	...	...	...	...	...	...	...	...	...	...	15,136-00
Do.	301g	Eureka	5	...	...	...	...	...	...	...	...	...	...	144-00
Do.	362g, 391g	Euroa leases	10	...	...	...	...	...	...	...	...	...	...	62-50
Do.	17g	Gillmore	V.N.P.	...	...	...	...	...	...	...	...	...	...	...
Do.	29g	Continental and W.A. Trust, Ltd.	12	10	...	...	...	...	...	...	...	...	...	375-00
Do.	272g, M.A. 7g	Golden Hope	12	5	...	3	20	600	...	...	...	...	...	...
Do.	249g	Golden Treasure	V.N.P.	...	...	...	...	...	...	...	...	...	...	...
Do.	373g	Good Friday	V.N.P.	...	...	...	...	...	...	...	...	...	...	69-00
Do.	...	Government Public Battery	...	10	...	...	...	...	...	...	...	...	...	...
Do.	224/5g	Hannan's Gold Estates, Ltd.	24	...	...	...	...	...	...	...	...	...	...	938-00
Do.	282g	Homeward Bound	6	...	...	...	...	...	...	...	...	...	...	...
Do.	316g	John Bull	12	...	...	...	...	...	...	...	...	...	...	...
Do.	313g (249g)	Kitchener	V.N.P.	...	...	...	...	...	...	...	...	...	...	...
Do.	421g	Kookynie Consols	10	...	...	...	...	...	...	...	...	61	...	29-50
Do.	314g	Lily	5	...	...	...	...	...	...	...	...	...	...	67-50
Do.	325g	Liverpool	V.N.P.	...	...	...	...	...	...	...	...	...	...	...
Do.	89g	Liverpool North	Ftd.	...	...	...	...	...	...	...	...	...	...	...
Do.	270g	Mikado	V.N.P.	...	...	...	...	...	...	...	...	...	...	...
Do.	405g	North Batavia	5	...	...	...	...	...	...	...	...	...	...	30-00
Do.	366g (89g)	North Liverpool	12	...	...	...	...	...	...	...	...	...	...	435-00
Do.	419g	Opal	12	...	...	...	...	...	...	...	...	...	...	52-50
Do.	275g	O'Shea	5	...	...	...	...	...	...	...	...	...	...	...
Do.	428g (329g)	Our Boys	6	...	...	...	...	...	...	...	...	...	...	9-00
Do.	100g	Pine Lodge	V.N.P.	...	...	...	...	...	...	...	...	...	...	80-00
Do.	452g (100g)	Pine Lodge	12	...	...	...	...	...	...	...	...	...	...	63-00
Do.	365g	Pirie	Wdn.	...	...	...	...	...	...	...	...	...	...	...
Do.	371g	Prospector	V.N.P.	...	...	...	...	...	...	...	...	...	...	...
Do.	(254g), 255g	Puzzle leases	24	...	...	...	...	...	...	...	...	...	...	32-00
Do.	296g	Redbank	V.N.P.	...	...	...	...	...	...	...	...	...	...	...
Do.	25g	Scotchman (Cosmopolitan Proprietary, Ltd.)	12	...	...	...	...	...	...	...	...	...	...	...
Do.	318g	Sirdar	Abd.	...	...	...	...	...	...	...	...	...	...	...
Do.	256g	Sovereign	Abd.	...	...	...	...	...	...	...	...	...	...	...
Do.	394g (256g)	Sovereign	18	...	...	...	...	...	...	...	...	...	...	80-00
Do.	18g	Spinaway	V.N.P.	...	...	...	...	...	...	...	...	...	...	...
Do.	348g	Star	V.N.P.	...	...	...	...	...	...	...	...	...	...	...
Do.	364g	Sydney Gold Mine	Wdn.	...	...	...	...	...	...	...	...	...	...	...
Do.	344g	Tasman	V.N.P.	...	...	...	...	...	...	...	...	...	...	...
Do.	361g	The Sisters	V.N.P.	...	...	...	...	...	...	...	...	...	...	...
Do.	367g	The Two K's.	5	...	...	...	...	...	...	...	...	...	...	40-00
Do.	396g	Treasure	12	...	...	...	...	...	...	...	...	25	...	85-00
Do.	329g	Try Again	V.N.P.	...	...	...	...	...	...	...	...	...	...	...
Do.	253g	Victoria	6	...	...	...	...	...	...	...	...	...	...	113-00
Do.	253g, 273g, 300g	Victoria and Day Dawn G.M. Co. (W.A.), N.L.	V.N.P.	...	...	...	...	...	...	...	...	...	...	...
Do.	261g	Wairau	12	...	...	...	...	...	...	...	...	...	...	50-00
Do.	52g	Warinin Gold Mine	V.N.P.	...	...	...	...	...	...	...	...	...	...	...
Do.	311g	White Cliff	V.N.P.	...	...	...	...	...	...	...	...	...	...	...
Do.	315g	Wyunstay	Abd.	...	...	...	...	...	...	...	...	...	...	...
Do.	...	Sundry Claims	...	...	...	...	...	...	...	...	...	...	...	222-00
		Carried forward	...	95	1	17	...	...	...	...	...	39-26	...	28,456-00

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT.

YEAR 1900.		TOTAL PREVIOUS TO 1900.					TOTAL GOLD PRODUCTION.					Esti- mated Value of Gold per oz., 1900.		
Gold therefrom.	Average per ton treated.	Alluvial.	Dolled and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dolled and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	£	s.	d.
ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.			
247'20	'84	...	...	...	...	...	...	...	294'00	247'20	'84			
8'75	'97	...	...	...	...	...	...	...	9'00	8'75	'97			
...	...	...	30'99	116'85	101'75	'87	...	30'99	116'85	101'75	'87			
34'55	'69	...	...	156'00	309'55	1'98	...	...	206'00	344'10	1'67	3	12	6
1,743'65	1'19	...	...	217'00	168'20	'77	...	...	1,681'00	1,911'85	1'13	3	10	0
2,422'65	'97	...	...	9,604'00	7,725'95	'80	...	...	12,081'00	10,148'60	'84	3	10	0
30'00	1'00	...	...	...	...	...	...	...	30'00	30'00	1'00			
19'00	'30	...	...	...	...	...	...	...	62'00	19'00	'30			
587'95	'75	...	...	2,418'00	1,575'85	'65	...	38'40	3,199'00	2,163'80	'67			
1,360'42	1'24	...	...	1,060'50	1,538'09	1'45	...	...	2,157'50	2,898'51	1'34	3	16	0½
...			
1,850'10	'45	...	...	9,051'00	5,132'25	'56	...	...	13,087'00	6,982'35	'53	3	13	2
...	...	...	...	4'50	7'65	1'70	...	...	4'50	7'65	1'70			
12'60	1'26	...	...	...	...	...	...	...	10'00	12'60	1'26			
...	...	...	...	117'05	139'56	1'19	...	...	117'05	139'56	1'19			
...	...	...	...	33'25	34'54	1'03	...	...	33'25	34'54	1'03			
...	...	...	...	29'75	15'60	'52	...	...	29'75	15'60	'52			
79'20	2'40	...	...	...	...	...	...	...	33'00	79'20	2'40			
14,002'10	'92	...	...	9,961'00	9,151'20	'91	...	...	25,097'00	23,153'30	'92	3	17	4
149'15	1'03	...	...	345'00	374'89	1'08	...	...	489'00	524'04	1'07			
150'52	2'40	...	...	28'00	45'13	1'61	...	...	90'50	196'65	2'16	3	16	9½
...	...	...	...	53'00	25'52	'48	...	...	53'00	25'52	'48			
146'50	'39	...	...	105'35	109'83	1'04	...	...	480'35	256'33	'53			
...	...	...	...	91'00	95'63	1'05	...	...	91'00	95'63	1'05			
...	...	...	...	143'00	273'18	1'91	...	...	143'00	273'18	1'91			
14'22	'20	...	...	89'00	89'35	1'00	...	...	158'00	103'57	'65			
...			
1,480'85	1'57	...	...	20'00	43'00	2'15	...	...	958'00	1,523'85	1'59	3	18	9
...	...	...	...	145'00	707'55	4'87	...	...	145'00	707'55	4'87			
...	...	...	...	31'20	62'20	1'99	...	...	31'20	62'20	1'99			
...	...	...	...	111'00	35'75	'32	...	...	111'00	35'75	'32			
37'60	1'27	...	...	...	...	...	...	...	29'50	37'60	1'27	3	19	1
186'67	2'76	...	11'55	42'75	187'01	4'37	...	11'55	110'25	373'68	3'38	3	17	10
...	...	...	...	183'00	168'31	'91	...	...	183'00	168'31	'91			
...	...	...	...	243'00	65'36	'26	...	...	243'00	65'36	'26			
...	...	...	3'50	106'00	141'00	1'33	...	3'50	106'00	141'00	1'33			
28'50	'95	...	...	...	...	...	...	...	30'00	28'50	'95			
133'15	'30	...	...	...	...	...	...	...	435'00	133'15	'30			
14'90	'28	...	...	...	...	...	...	...	52'50	14'90	'28			
...	...	...	...	55'00	80'09	1'45	...	...	55'00	80'09	1'45			
9'90	1'10	...	...	...	...	...	...	...	9'00	9'90	1'10			
58'42	'73	...	...	306'20	401'74	1'31	...	...	386'20	460'16	1'19			
82'70	1'31	...	...	...	...	...	...	...	63'00	82'70	1'31	3	13	0
...	...	...	...	11'00	16'95	1'54	...	...	11'00	16'95	1'54			
...	...	...	...	14'00	11'60	'82	...	...	14'00	11'60	'82			
21'35	'66	...	...	62'00	50'92	'82	...	...	94'00	72'27	'75			
...	...	...	6'00	...	...	...	...	6'00	...	...	...
...	...	...	...	150'00	90'30	'60	...	...	150'00	90'30	'60			
...	...	...	...	104'00	89'22	'85	...	...	104'00	89'22	'85			
68'30	'85	...	...	396'00	458'05	1'15	...	...	396'00	458'05	1'15			
...	...	...	...	12'00	5'55	'46	...	...	12'00	5'55	'46			
...	...	...	...	37'00	32'25	'87	...	...	37'00	32'25	'87			
...	...	...	...	27'00	7'00	'25	...	...	27'00	7'00	'25			
...	...	...	...	31'00	47'69	1'53	...	...	31'00	47'69	1'53			
...	...	...	...	11'00	11'00	1'00	...	...	11'00	11'00	1'00			
71'45	1'78	...	...	21'00	41'15	1'95	...	...	61'00	112'60	1'84	3	18	11
117'30	1'38	...	...	...	...	...	...	25	85'00	117'30	1'38	3	13	8
...	...	...	...	17'00	23'70	1'39	...	...	17'00	23'70	1'39			
220'40	1'95	...	...	...	...	...	...	...	113'00	220'40	1'95	3	18	2
...	...	...	...	85'75	181'20	2'11	...	...	85'75	181'20	2'11			
49'00	'98	...	...	224'50	280'89	1'25	...	...	274'50	329'89	1'20	4	0	0
...	...	...	...	44'50	82'88	1'86	...	...	44'50	82'88	1'86			
...	...	...	...	32'25	29'45	'91	...	...	32'25	29'45	'91			
...	...	...	...	137'00	84'60	'61	...	...	137'00	84'60	'61			
199'35	...	...	27'65	519'25	582'20	...	...	27'65	741'25	781'55	...			
25,638'40	...	...	79'69	36,802'65	30,932'33	...	...	118'95	65,258'65	56,570'73	...			

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

YEAR 1900.		TOTAL PREVIOUS TO 1900.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1900.
Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	
25,638·40	...	...	79·69	36,802·65	30,932·33	...	...	118·95	65,258·65	56,570·73	...	£ s. d.
371·50	·71	...	...	208·00	272·63	1·31	...	...	728·00	644·13	·88	
30·80	1·00	...	...	86·00	180·74	2·10	...	1·00	116·50	211·54	1·81	
...	...	...	...	98·00	68·17	·69	...	...	98·00	68·17	·69	
...	...	...	...	25·00	10·21	·40	...	...	25·00	10·21	·40	
...	...	...	...	308·00	335·37	1·08	...	...	308·00	335·37	1·08	
...	...	...	...	141·00	174·53	1·23	...	...	141·00	174·53	1·23	
...	...	...	...	16·00	47·37	2·96	...	...	16·00	47·37	2·96	
...	...	...	...	109·00	216·45	1·98	...	...	109·00	216·45	1·98	
672·47	1·83	...	...	226·00	497·43	2·20	...	...	593·00	1,169·90	1·97	
...	...	...	...	2,600·00	200·00	·07	...	...	2,600·00	200·00	·07	
...	...	...	...	83·00	78·05	·94	...	...	83·00	78·05	·94	
...	...	...	...	39·50	29·58	·74	...	...	39·50	29·58	·74	
...	...	...	...	221·80	183·40	·82	...	...	221·80	183·40	·82	
124·00	·52	...	...	...	...	...	...	...	234·00	124·00	·52	3 18 0
...	...	...	...	65·00	51·50	·79	...	...	65·00	51·50	·79	
167·55	·39	...	...	2,326·00	1,107·12	·47	...	...	2,746·00	1,274·67	·46	
...	...	...	...	52·00	57·08	1·09	...	...	52·00	57·08	1·09	
36·83	·73	...	...	159·00	199·96	1·25	...	...	209·00	236·79	1·13	
527·65	1·38	...	...	110·00	239·77	2·17	...	...	491·00	767·42	1·54	
...	...	...	8·10	131·50	76·75	·58	...	8·10	131·50	76·75	·58	
58·80	1·08	...	...	25·00	10·94	·43	...	...	79·00	69·74	·88	
...	...	...	...	93·00	41·45	·44	...	...	93·00	41·45	·44	
...	...	...	...	11·50	6·35	·55	...	...	11·50	6·35	·55	
26·30	·45	...	...	679·00	468·71	·69	...	...	737·00	495·01	·67	
...	...	...	3·30	56·00	63·60	1·13	...	3·30	56·00	63·60	1·13	
...	...	...	...	40·00	58·45	1·46	...	...	40·00	58·45	1·46	
114·70	2·79	...	...	...	...	...	...	...	41·00	114·70	2·79	
28·25	1·04	...	...	223·50	290·32	1·29	...	...	250·50	318·57	1·27	
...	...	...	...	32·00	12·03	·37	...	...	32·00	12·03	·37	
65·80	...	...	...	434·00	303·62	...	...	...	511·50	369·42	...	
cy. 108·60	...	...	...	...	...	...	...	...	...	108·60	...	
...	...	60·00	...	...	...	...	60·00	...	...	...	...
...	...	29·44	30·74	...	...	...	33·56	79·40	...	...	...
27,971·65	·91	89·44	121·83	45,401·45	36,213·91	·79	93·56	210·75	76,117·45	64,185·56	·84	

DISTRICT.

YEAR 1900.		TOTAL PREVIOUS TO 1900.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1900.
Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	
...	...	...	...	28·00	23·50	·83	...	...	28·00	23·50	·83	£ s. d.
105·70	1·65	...	...	...	...	...	...	...	64·00	105·70	1·65	
9·00	·30	...	...	...	...	...	...	...	30·00	9·00	·30	
38·00	·52	...	...	...	...	...	...	...	72·00	38·00	·52	
62·50	1·25	...	...	...	...	...	...	...	50·00	62·50	1·25	3 17 10½
230·65	2·19	...	...	...	...	...	...	...	105·00	230·65	2·19	
...	
...	...	...	...	55·00	61·00	1·10	...	...	55·00	61·00	1·10	
1,022·10	2·68	...	...	1,749·50	2,300·99	1·31	...	...	2,129·50	3,323·09	1·56	3 11 2
681·90	1·09	...	...	104·00	118·18	1·13	...	...	726·50	800·08	1·10	3 11 2
...	...	...	...	30·00	10·45	·34	...	...	30·00	10·45	·34	
41·60	1·38	...	...	...	...	...	...	...	30·00	41·60	1·38	
...	...	...	...	2,262·00	2,213·30	·97	...	...	2,262·00	2,213·30	·97	
58·05	·64	...	...	...	...	...	...	...	90·00	58·05	·64	3 9 0
54·52	...	...	...	75·00	72·30	...	...	...	132·00	126·82	...	
2,304·02	...	...	...	4,303·50	4,799·72	...	...	...	5,804·00	7,103·74	...	

TABLE IV.—Return of all

North Coolgardie

YERILLA

MINING CENTRE.	NUMBER OF LEASE.	REGISTERED NAME OF LEASE OR COMPANY.	Area in Acres.	PARTICULARS OF PLANT.							TOTAL FOR			
				Milling.		Cyaniding.					Alluvial	Dollied and Specimens	Ore treated.	
				Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.	ozs.				ozs.	tons
		Brought forward ...	...	5	2	10	...	...	...	...	...	...	...	1,500'50
Eucalyptus	491R	Brown Hill	12	...	...	...	...	...	...	...	...	...	22-05	7-00
Do.	538R	Cardigan	12	...	...	...	...	...	...	...	...	...	...	7-00
Do.	442R	Chesepeake	V.N.P.	...	...	...	...	...	...	...	...	...	...	...
Do.	520R (100R)	Cornucopia	Surr.	...	...	...	...	...	...	...	...	...	...	28-00
Do.	530R	Golden King	6	...	...	...	...	...	...	...	...	...	74-60	...
Do.	426R	Ironsides	Wdn.	...	...	...	...	...	...	...	...	...	...	...
Do.	416R	Keep-it-Dark	Abd.	...	...	...	...	...	...	...	...	...	...	...
Do.	505R	Knight Errant	5	...	...	...	...	...	...	...	...	...	48-60	12-00
Do.	371R	Lady Pascoe	V.N.P.	...	...	...	...	...	...	...	...	...	...	...
Do.	100R	Nine of Hearts	V.N.P.	...	...	...	...	...	...	...	...	...	...	33-00
Do.	477R	Scotchman	Abd.	...	...	...	...	...	...	...	...	...	...	...
Do.	315R, M.A. 2R	Shannon G.M. Co., Ltd.	V.N.P.	10	...	...	...	...	...	...	...	...	...	22-00
Do.	521R (315R)	Shannon	12	...	...	...	...	...	...	...	...	...	...	3-00
Do.	400R	Unity	Abd.	...	...	...	...	...	...	...	...	...	...	...
Do.	504R	Yando	12	...	...	...	...	...	...	...	...	...	175-10	4-00
Do.	...	Sundry Claims	...	...	...	...	...	...	...	...	...	...	67-00	12-00
Linden	188R, 196R	Blair Athol leases	24	10	...	...	...	...	...	...	...	...	...	9-00
Do.	399R	Burgess' Luck	Abd.	...	...	...	...	...	...	...	...	...	...	...
Do.	413R	Caledonian	V.N.P.	...	...	...	...	...	...	...	...	...	...	...
Do.	285R, 286R	True Blue leases	V.N.P.	...	...	...	...	...	...	...	...	...	...	...
Do.	464R (123R)	Federal	12	...	...	...	...	...	...	...	...	...	2-25	52-75
Do.	123R	Golden Ridge	Ftd.	...	...	...	...	...	...	...	...	...	...	...
Do.	406R	Great Carbine (Greenhill G.M. Co., Ltd.)	6	...	pr1	...	...	...	...	...	...	...	...	253-00
Do.	408R	Green Hills (Greenhill G.M. Co., Ltd.)	24	5	...	3	20	220	...	...	...	...	...	1,676-00
Do.	414R	Kangaroo	Ftd.	...	...	...	...	...	...	...	...	...	...	...
Do.	384R	Lady Edith	V.N.P.	...	...	...	...	...	...	...	...	...	...	...
Do.	387R	Lady Ethel	12	...	...	...	...	...	...	...	...	...	...	239-00
Do.	123R, 188R, 196R, 320R, 384R	(Lake View and Boulder East G.M. Co., Ltd.)	...	...	...	...	...	...	...	...	...	...	...	...
Do.	430R	Mountain Maid	Wdn.	...	...	...	...	...	...	...	...	...	...	...
Do.	357R	Mt. Wilgress	V.N.P.	...	...	...	...	...	...	...	...	...	...	...
Do.	407R	New Year's Gift G.M. Co., Ltd.	V.N.P.	...	...	...	...	...	...	...	...	...	...	12-00
Do.	468R	Recovery	V.N.P.	...	...	...	...	...	...	...	...	...	...	...
Do.	420R	Traveller's Joy	12	...	...	...	...	...	...	...	...	...	...	16-00
Do.	295R	True Blue Jacket	Ftd.	...	...	...	...	...	...	...	...	...	...	...
Do.	358R	Wimmera	6	...	...	...	...	...	...	...	...	...	4-20	120-00
Do.	...	Sundry Claims	...	...	...	...	...	...	...	...	...	...	...	112-75
Mt. Celia	434R	Wongililly Proprietary	V.N.P.	...	...	...	...	...	...	...	...	...	...	...
Mt. Remarkable	375R	Darlôt Exploration Co. of W.A., Ltd.	V.N.P.	...	...	...	...	...	...	...	...	...	...	...
Do.	448R	Excelsior	V.N.P.	...	...	...	...	...	...	...	...	...	...	...
Do.	515R	Federation	12	...	...	...	...	...	...	...	...	...	...	31-75
Do.	519R	Golden Emu	12	...	...	...	...	...	...	...	...	...	...	5-25
Do.	445R	I.X.L.	Abd.	...	...	...	...	...	...	...	...	...	...	11-50
Do.	397R	La Tosca G.M. Co., N.L.	24	5	...	...	...	...	...	...	...	...	...	24-00
Do.	...	Sundry Claims	...	...	...	...	...	...	...	...	...	...	...	4-00
Pendinnie	508R (462R)	Boer	6	...	...	...	...	...	...	...	...	...	...	64-50
Do.	117R	Bound to Rise	Ftd.	...	...	...	...	...	...	...	...	...	...	...
Do.	...	Do.	...	...	...	...	...	...	...	...	...	...	...	...
Do.	487R	Dewey	V.N.P.	...	...	...	...	...	...	...	...	...	...	134-45
Do.	118R	George Washington	Ftd.	...	...	...	...	...	...	...	...	...	...	...
Do.	443R	(Landed at Last)	...	...	...	...	...	...	...	...	...	...	...	23-00
Do.	443R, 457R, 463R, 493R	London and Hamburg Gold Recovery Co., Ltd.	72	...	...	...	...	...	...	...	...	...	...	125-00
Do.	450R, 456R	Mt. Margaret Reward Claim, Ltd.	30	10	...	...	...	...	...	...	...	...	...	109-00
Do.	450R	(Potosi)	...	...	...	...	...	...	...	...	...	...	...	...
Do.	466R	Queen of the May	24	...	...	...	...	...	...	...	...	...	...	106-00
Do.	467R	Queen of the May South	12	...	...	...	...	...	...	...	...	...	...	156-00
Do.	462R	Rich View	Surr.	...	...	...	...	...	...	...	...	...	...	9-50
Do.	121R	Te Anau	V.N.P.	...	...	...	...	...	...	...	...	...	...	...
Do.	499R	Tucker Bag	12	...	...	...	...	...	...	...	...	...	13-00	7-00
Do.	461R	Woomera	V.N.P.	...	...	...	...	...	...	...	...	...	...	10-90
Do.	...	Sundry Claims	...	...	...	...	...	...	...	...	...	...	...	39-00
Pinjin	465R	Bobadil	Abd.	...	...	...	...	...	...	...	...	...	...	...
Do.	432R	Paragon	Abd.	...	...	...	...	...	...	...	...	...	...	...
Do.	425R	Protest	V.N.P.	...	...	...	...	...	...	...	...	...	...	...
		Carried forward	...	45	3	13	...	...	...	...	...	...	406-80	4,979-85

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

YEAR 1900.		TOTAL PREVIOUS TO 1900.					TOTAL GOLD PRODUCTION.					Esti- mated Value of Gold per oz., 1900.
Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	
ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	£ s. d.
2,304.02	...	...	...	4,303.50	4,799.72	...	...	...	5,804.00	7,103.74	...	
59.15	8.45	...	...	...	...	...	...	22.05	7.00	59.15	8.45	3 18 6
150.00	...	...	...	10.00	7.00	.70	...	...	7.00	150.00	...	
12.50	.44	...	...	...	...	...	...	...	10.00	7.00	.70	
...	...	...	...	...	...	...	...	...	28.00	12.50	.44	
...	...	...	...	60.00	25.35	.42	...	74.60	...	...	...
...	...	...	119.50	24.00	85.00	3.51	...	119.50	24.00	85.00	3.51	
22.33	1.86	...	...	10.00	4.32	.43	...	48.60	12.00	22.33	1.86	
48.00	1.45	...	...	815.00	872.92	1.07	...	...	10.00	4.32	.43	
60.20	2.73	...	65.45	2.35	37.25	...	...	65.45	2.35	37.25	...	
6.00	2.00	...	...	164.00	65.50	.39	...	...	186.00	125.70	.67	
...	...	...	...	20.00	15.00	.75	...	...	3.00	6.00	2.00	
35.10	8.77	...	...	...	...	...	...	175.10	4.00	35.10	8.77	
48.50	...	...	343.12	158.50	171.82	...	...	410.12	170.50	220.32	...	
95.40	...	...	...	104.00	278.80	2.68	...	...	113.00	395.80	3.50	
{ pl. 21.60 }	...	...	467.83	27.00	60.00	2.22	...	467.83	27.00	60.00	2.22	
...	...	...	...	73.00	51.48	.70	...	...	73.00	51.48	.70	
...	...	...	18.00	38.00	51.45	1.35	...	18.00	38.00	51.45	1.35	
66.90	1.26	...	13.18	26.25	152.25	5.80	...	15.43	79.00	219.15	2.77	
128.25	.50	...	.80	10.00	6.95	.69	...	.80	10.00	6.95	.69	
{ 2,369.95 }	{ 1.50 }	...	...	41.00	49.95	1.21	...	...	294.00	178.20	.60	3 18 0
{ pl. 197.00 }	...	...	...	1,354.00	2,875.40	2.12	...	...	3,030.00	5,442.35	1.79	3 17 6
...	...	...	...	18.05	9.25	.51	...	...	18.05	9.25	.51	
...	...	...	...	105.50	451.00	4.27	...	...	105.50	451.00	4.27	
384.40	1.60	...	7.10	547.25	818.50	1.49	...	7.10	786.25	1,202.90	1.52	
...	...	...	...	728.00	1,140.07	1.56	...	...	728.00	1,140.07	1.56	
...	...	...	...	3.50	4.10	1.17	...	...	3.50	4.10	1.17	
...	...	...	...	9.00	7.50	.83	...	...	9.00	7.50	.83	
11.00	.91	...	...	164.00	112.00	.68	...	...	176.00	123.00	.69	3 7 6
...	...	...	...	8.00	51.85	6.48	...	...	8.00	51.85	6.48	
36.00	2.25	...	...	55.00	71.05	1.29	...	...	71.00	107.05	1.50	
...	...	...	...	12.00	18.60	1.55	...	...	12.00	18.60	1.55	
175.07	1.45	...	...	252.50	378.70	1.49	...	4.20	372.50	553.77	1.48	
149.40	...	...	20.00	68.75	76.80	...	...	20.00	181.50	226.20	...	
...	...	...	...	14.00	6.00	.42	...	...	14.00	6.00	.42	
...	...	...	...	22.00	11.89	.54	...	...	22.00	11.89	.54	
...	...	...	...	10.00	5.46	.54	...	...	10.00	5.46	.54	
46.17	1.45	...	...	...	...	...	...	...	31.75	46.17	1.45	
2.50	.47	...	...	...	...	...	...	...	5.25	2.50	.47	
5.38	.46	...	5.00	15.00	7.06	.47	...	5.00	26.50	12.44	.46	
11.00	.45	...	14.90	275.22	285.21	1.03	...	14.90	299.22	296.21	.98	
1.50	...	...	...	...	...	...	...	...	4.00	1.50	...	
193.30	2.99	...	...	...	...	...	...	...	64.50	193.30	2.99	
...	...	...	...	.50	39.00	...	...	...	.50	39.00	...	
...	
240.10	1.78	...	...	...	...	...	...	...	134.45	240.10	1.78	
...	...	...	...	104.75	236.53	2.25	...	...	104.75	236.53	2.25	
38.00	1.65	...	...	37.00	44.05	1.19	...	...	60.00	82.05	1.36	
157.50	1.26	...	...	...	...	...	...	...	125.00	157.50	1.26	
169.65	1.55	...	...	...	...	...	...	...	109.00	169.65	1.55	
...	...	...	...	76.00	170.00	2.23	...	...	76.00	170.00	2.23	
199.75	1.88	...	...	14.60	31.00	2.12	...	...	120.60	230.75	1.90	
321.90	2.06	...	...	16.55	33.00	1.99	...	...	172.55	354.90	2.05	3 14 6
33.50	3.52	...	...	...	...	...	...	...	9.50	33.50	3.52	3 14 6
...	...	...	...	17.00	16.00	.94	...	...	17.00	16.00	.94	
82.30	...	...	...	...	...	...	...	13.00	7.00	82.30	...	3 10 0
12.85	1.17	...	...	58.00	28.85	.49	...	...	68.90	41.70	.60	
17.90	...	...	1.52	210.00	355.08	...	...	1.52	249.00	372.98	...	
...	...	...	...	17.00	34.30	2.01	...	...	17.00	34.30	2.01	
...	...	...	...	20.00	8.20	.41	...	...	20.00	8.20	.41	
...	...	...	...	10.00	5.00	.50	...	...	10.00	5.00	.50	
7,914.07	...	...	1,076.40	10,129.77	14,066.21	...	...	1,483.20	15,109.62	21,980.28	...	

‡ 240ozs. from unknown tons.

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

YEAR 1900.		TOTAL PREVIOUS TO 1900.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1900.
Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	
ozs. 7,914.07	1,076.40	10,129.77	14,066.21	...	...	1,483.20	15,109.62	21,980.28	...	£ s. d.
...	95.00	40.75	.42	...	...	95.00	40.75	.42	
...	8.30	...	...	...	...	8.30	...	...	...
...	63.00	41.40	.65	...	...	63.00	41.40	.65	
...	23.75	4.47	.18	...	...	23.75	4.47	.18	
...	28.00	5.00	17.70	3.54	...	28.00	5.00	17.70	3.54	
...	158.00	19.30	.12	...	...	158.00	19.30	.12	
...	30.00	12.75	.42	...	...	30.00	12.75	.42	
...	205.60	73.01	94.11	1.28	...	205.60	73.01	94.11	1.28	
...	10.75	3.85	.35	...	...	10.75	3.85	.35	
...	142.00	88.92	.62	...	...	142.00	88.92	.62	
...	
...	28.80	9.21	.31	...	...	28.80	9.21	.31	
...	14.75	6.05	.41	...	...	14.75	6.05	.41	
...	43.00	16.48	.38	...	...	43.00	16.48	.38	
...	194.50	206.09	1.05	...	...	194.50	206.09	1.05	
...	9.00	3.15	.35	...	...	9.00	3.15	.35	
...	
...	22.75	39.33	1.72	...	...	22.75	39.33	1.72	
...	321.00	26.00	.08	...	...	321.00	26.00	.08	
...	86.00	114.75	1.33	...	...	86.00	114.75	1.33	
...	3,197.88	277.25	281.11	1.01	...	3,197.88	277.25	281.11	1.01	
...	2.24	...	...	...	...	2.24	...	...	...
...	49.15	52.69	1.07	...	...	49.15	52.69	1.07	
...	30.00	17.30	.57	...	...	30.00	17.30	.57	
...	5.95	781.25	693.22	.88	...	5.95	781.25	693.22	.88	
...	622.00	395.09	.63	...	...	622.00	395.09	.63	
16.80	275.75	163.68	...	...	...	296.50	180.48	...	
...	94.75	118.32	1.24	...	...	94.75	118.32	1.24	
...	...	135.36	5.18	...	...	...	135.36	5.18	...	...	...
...	144.00	71.00	...	
71.00	...	516.70	...	...	...	...	516.70	...	...	...	...
...	...	83.84	44.17	...	...	...	216.89	153.70	...	...	...
8,001.87	1.55	735.90	4,573.72	13,580.23	16,531.93	1.21	868.95	5,090.05	18,724.83	24,533.80	1.31	

† Also ounces from unknown tons, Bound to Rise ... 240.00
 Do. do. Lombard ... 35.00
 Total ... 275.00

Goldfield.

YEAR 1900.		TOTAL PREVIOUS TO 1900.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1900.
Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	
ozs. 26.13	.87	...	...	79.60	22.29	.28	...	...	79.60	22.29	.28	
...	...	...	...	282.00	217.82	.77	...	...	312.00	243.95	.78	
...	...	...	...	50.00	22.58	.45	...	...	50.00	22.58	.45	
...	...	...	...	119.50	213.02	1.78	...	...	119.50	213.02	1.78	
...	...	...	42.25	156.50	180.78	1.15	...	42.25	156.50	180.78	1.15	
...	...	...	...	1.00	1.35	1.35	...	...	1.00	1.35	1.35	
...	...	...	...	11.00	6.00	.54	...	...	11.00	6.00	.54	
378.35	1.47	...	...	779.00	798.51	1.02	...	...	1,085.00	1,176.86	1.13	3 15 0
1,576.25	.60	...	...	4,749.00	2,956.63	.62	...	...	7,348.00	4,532.88	.61	3 9 3
...	...	...	...	38.30	15.50	.40	...	...	38.30	15.50	.40	
...	...	...	31.46	10.00	31.20	3.12	...	31.46	10.00	31.20	3.12	
...	...	...	...	457.00	121.15	.26	...	...	457.00	121.15	.26	
93.95	.17	...	...	441.00	290.25	.65	...	...	967.00	384.20	.39	
...	...	...	60.00	...	...	...	...	60.00	...	...	...
...	...	...	...	30.10	35.00	1.16	...	...	30.10	35.00	1.16	
...	...	...	12.25	250.00	107.46	.43	...	12.25	250.00	107.46	.43	
...	...	...	...	45.00	59.15	1.31	...	...	45.00	59.15	1.31	
2,985.25	.88	...	7.20	3,601.80	2,634.75	.73	...	7.20	6,957.00	5,620.00	.80	3 9 6
...	...	...	...	139.00	105.05	.75	...	...	139.00	105.05	.75	
8.70	.39	...	2.15	60.00	12.60	.21	...	5.15	82.00	21.30	.25	
5,068.63	...	...	155.31	11,299.80	7,831.09	...	...	158.31	18,088.00	12,899.72	...	

TABLE IV.—Return of all

Broad Arrow

MINING CENTRE.	NUMBER OF LEASE.	REGISTERED NAME OF LEASE OR COMPANY.	Area in Acres.	PARTICULARS OF PLANT.							TOTAL FOR		
				Milling.		Cyaniding.					Alluvial.	Dollied and Specimens	Ore treated.
				Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.	ozs.				ozs.	tons.
		Brought forward ...		55		4	tons.	tons.		ozs.	ozs.	tons.	
Bardoc ...	1090w	Wait-a-bit ...	Wdn.										
Do.	325w	Wycheproof ...	15										
Do.	17w, 36w, 39w, (1008w), 1023w	Zoroastrian Gold Estates, Ltd.	a. r. p. 40 2 20	10								557.60	
Do.		Sundry Claims										137.75	
Black Flag	287w	Beer's ...	V.N.P.										
Do.	499w, 500w	Black Flag Central G.M. Co.	V.N.P.										
Do.	979w, 980w	Black Flag Consolidated G.M.s., Ltd.	V.N.P.										
Do.	1021w	Black Flag Junction G.M. Co., N.L.	Ftd.										
Do.	43w, 52w, 62w, 546w	Black Flag Proprietary Co., Ltd.	a. r. p. 72 3 16	50								6,923.00	
Do.	R.C. 79w	Black Flag Reward ...										74.00	
Do.	12w, 157w, 185w, 534w	Crown United G.M.s., Ltd.	Ftd.									36.00	
Do.	427w	(Devon Consols G.M. Co., N.L.)											
Do.	1162w	Diamond Jubilee	12									97.00	
Do.	1001w	Diamond Jubilee	Abd.										
Do.	1072w	Golden Buckle	V.N.P.										
Do.	1155w	Golden Butterfly	Abd.									63.00	
Do.	1082w (1001w)	Goldsbrough ...	V.N.P.										
Do.	866w	Hope Mine	V.N.P.										
Do.	47/9w	Lady Bountiful G.M. Co., N.L.	36	10		3	27	300				1,917.00	
Do.	949w	Lady Bountiful Extended	Ftd.										
Do.	1068w	Lady Rose	V.N.P.										
Do.	T.A. 11w	(Lang S.C.)											
Do.	1109w (1021w)	Queenslander	Ftd.									330.50	
Do.	1070w	Reform	12								10.00	142.00	
Do.	1041w	Rosebery	Ftd.										
Do.	1046w	Rose Extended	Ftd.										
Do.	84w, 85w, 119w	Royal Standard leases	V.N.P.										
Do.	603w, 617w	Stacks of Gold leases	V.N.P.										
Do.	1071w	Taipo	12								195.80	14.50	
Do.	745w	Talisman North	V.N.P.										
Do.	1013w	Wainui	V.N.P.										
Do.	779w	Windermere North G.M. Co., N.L.	V.N.P.										
Do.	165w	W.A. Gold Concessions, Ltd.	V.N.P.										
Do.		Sundry Claims										99.50	
Broad Arrow	1010w	Arrow Brown Hill	V.N.P.										
Do.	1006w	Arrow Queen	V.N.P.										
Do.	42w	Barrier	Ftd.										
Do.	1058w (42w)	Barrier	Ftd.										
Do.	56w, 75w, 122w	Broad Arrow Consols G.M. Co., N.L.	56									327.00	
Do.		Broad Arrow Deep Lead											
Do.	1051w	Bulimba	Ref.										
Do.	147w	Coolgardie Mining Co., Ltd.	24									498.30	
Do.	142w, 225/6w	Credo Gold Mines, Ltd.	a. r. p. 38 1 23										
Do.		Do.											
Do.	195w	Devon	Ftd.										
Do.	960w, 995w	Dixie G.M., Ltd.	30									986.75	
Do.	1133w	Don Juan	Abd.									41.75	
Do.	1132w	Emperor	Abd.									40.00	
Do.	994w	Federation	V.N.P.										
Do.	40w, 41w	Gladiators, Ltd.	V.N.P.										
Do.	3w, 138w, 139w, 173w, 1000w	Golden Arrow Mine, Ltd.	59	20								2,466.00	
Do.	1094w	Golden Calf	6										
Do.	765w	Golden Crown	Ftd.										
Do.	1084w (765w)	Golden Crown	Ftd.										
Do.	1112w	Grafter	12								34.35	63.00	
Do.	690w	Hill End West	18								2.50	10.00	
Do.	999w	Jubilee	V.N.P.										
Do.	1065w	Klondyke	V.N.P.										
Do.	1062w	Lady Florence	Ftd.										
Do.	56w, 75w, 122w	(Liberty leases)											
Do.	76w	Light of the Swan	24									170.50	
Do.	1095w	Lord Wolseley	V.N.P.										
Do.	2w, 126w, 168w	New Austral Co., Ltd.	a. r. p. 20 1 27		b 1	6	47	1,400				9,586.00	
Do.	134w, 135w	Norham Milling and Mining Co., Ltd.	18	20								994.00	
Do.	1116w	Our Pride	5									117.00	
Do.	1147w	Panhandle	Abd.									20.33	
Do.	311w	Pootilla	V.N.P.										
Do.	291w	Pride of Arrow	Ftd.										
Do.	227w	Queen of Beauty	V.N.P.										
		Carried forward ...		165	1	13					245.65	32,500.68	

Ore Treated, etc.—continued.

Goldfield—continued.

YEAR 1900.		TOTAL PREVIOUS TO 1900.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1900.
Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	
ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	£ s. d.
5,068.63	...	...	155.31	11,299.80	7,831.09	...	...	158.31	18,088.00	12,899.72	...	
...	...	...	...	12.00	1.25	.10	...	...	12.00	1.25	.10	
...	...	...	...	99.90	74.80	.74	...	...	99.90	74.80	.74	
260.62	.46	...	...	312.00	388.84	1.24	...	...	869.60	649.46	.74	
93.10	...	...	...	41.50	51.83	...	...	...	179.25	144.92	...	
...	...	...	...	40.00	80.00	2.00	...	...	40.00	80.00	2.00	
...	...	...	...	55.00	8.35	.15	...	...	55.00	3.35	.15	
...	...	...	...	105.00	114.27	1.08	...	...	105.00	114.27	1.08	
...	...	...	...	57.50	31.15	.54	...	...	57.50	31.15	.54	
1,321.67	.19	...	...	12,274.00	4,221.96	.34	...	...	19,197.00	5,543.63	.28	3 12 5
111.60	1.50	13.10	...	395.00	495.01	1.25	13.10	...	469.00	606.61	1.29	
38.75	1.07	...	...	1,864.00	754.62	.40	...	...	1,900.00	793.37	.41	
...	...	33.00	18.11	1.00	500.00	...	33.00	18.11	1.00	500.00	...	
94.00	.96	...	...	...	...	...	...	...	97.00	94.00	.96	
...	...	...	...	42.15	124.35	2.95	...	...	42.15	124.35	2.95	
...	...	...	...	40.00	21.35	.53	...	...	40.00	21.35	.53	
27.10	.43	...	...	...	...	...	...	...	63.00	27.10	.43	
...	...	...	...	32.15	43.45	1.35	...	...	32.15	43.45	1.35	
...	...	...	...	5.00	1.76	.35	...	...	5.00	1.76	.35	
1,758.27	.91	...	...	3,098.65	6,819.21	2.20	...	...	5,015.65	8,577.48	1.71	3 6 10
...	...	...	...	16.50	24.60	1.49	...	...	16.50	24.60	1.49	
...	...	...	...	14.35	8.20	.57	...	...	14.35	8.20	.57	
...	...	...	...	...	160.09	...	...	...	...	160.09	...	
131.63	.39	...	...	130.00	48.00	.36	...	...	460.50	179.63	.39	
47.00	.33	...	26.30	46.00	51.78	1.12	...	36.30	188.00	98.78	.52	
...	...	...	...	11.00	5.61	.51	...	...	11.00	5.61	.51	
...	...	...	...	48.16	49.78	1.03	...	...	48.16	49.78	1.03	
...	...	...	...	613.10	371.67	.60	...	...	613.10	371.67	.60	
...	...	...	...	2.50	1.50	.60	...	...	2.50	1.50	.60	
59.75	4.12	...	67.55	25.00	182.91	7.31	...	263.35	39.50	242.66	6.14	3 18 0
...	...	...	...	506.00	64.00	.12	...	...	506.00	64.00	.12	
...	...	...	...	23.00	14.58	.63	...	...	23.00	14.58	.63	
...	...	...	...	5.00	3.19	.63	...	...	5.00	3.19	.63	
...	...	...	...	185.10	198.25	1.07	...	...	185.10	198.25	1.07	
153.52	...	...	2.00	317.30	247.33	...	...	2.00	416.80	400.85	...	
...	...	...	5.00	61.75	107.97	1.74	...	5.00	61.75	107.97	1.74	
...	...	...	...	20.00	4.59	.22	...	...	20.00	4.59	.22	
...	...	...	...	261.00	315.70	1.20	...	...	261.00	315.70	1.20	
172.72	.52	...	...	70.00	43.05	.61	...	...	70.00	43.05	.61	
...	...	65.09	...	990.25	1,346.64	1.35	65.09	...	990.25	1,346.64	1.35	
...	...	...	...	31.00	10.05	.32	...	...	31.00	10.05	.32	
314.60	.63	...	...	105.00	88.00	.83	...	...	603.30	402.60	.66	
...	...	...	...	230.35	509.00	2.20	...	...	230.35	509.00	2.20	
...	
...	...	...	...	8.00	3.00	.37	...	...	8.00	3.00	.37	
2,732.05	2.76	...	...	1,042.75	2,150.50	2.06	...	...	2,029.50	4,882.55	2.40	3 14 0
27.85	.66	...	...	...	...	...	...	...	41.75	27.85	.66	
32.50	.81	...	...	...	...	...	...	...	40.00	32.50	.81	
...	...	...	...	38.50	37.50	.97	...	...	38.50	37.50	.97	
cy. 64.58	...	...	...	571.00	289.75	.51	...	...	571.00	354.33	.62	
1,577.39	.63	...	...	4,015.75	2,036.84	.50	...	...	6,481.75	3,614.23	.55	3 14 0
...	...	...	1.23	65.00	53.34	.82	...	1.23	65.00	53.34	.82	
...	...	...	...	326.50	412.54	1.26	...	...	326.50	412.54	1.26	
...	...	...	...	135.00	71.42	.52	...	...	135.00	71.42	.52	
52.65	.83	...	...	...	...	...	...	34.35	63.00	52.65	.83	
3.50	.35	...	9.45	103.80	409.09	3.94	...	11.95	113.80	412.59	3.62	
...	...	...	...	8.65	8.05	.93	...	...	8.65	8.05	.93	
...	...	...	...	6.00	18.21	3.03	...	...	6.00	18.21	3.03	
...	...	...	...	15.00	6.39	.42	...	...	15.00	6.39	.42	
...	...	...	...	298.90	425.90	1.42	...	...	298.90	425.90	1.42	
149.80	.87	...	...	116.00	64.45	.55	...	...	286.50	214.25	.74	4 1 0
...	...	...	...	87.00	103.50	1.19	...	...	87.00	103.50	1.19	
10,279.90	1.07	...	...	18,330.50	26,579.16	1.45	...	...	27,916.50	36,859.06	1.32	3 18 0
309.90	.31	...	...	780.00	344.90	.44	...	...	1,774.00	654.80	.36	
82.06	.70	...	...	38.50	66.95	1.74	...	...	155.50	149.01	.95	
8.75	.43	...	...	...	...	...	...	...	20.33	8.75	.43	
...	...	...	...	67.00	68.54	1.02	...	...	67.00	68.54	1.02	
...	...	...	...	25.00	26.40	1.05	...	...	25.00	26.40	1.05	
...	...	...	...	51.00	46.90	.92	...	...	51.00	46.90	.92	
24,973.89	...	111.19	284.95	59,616.86	58,643.11	...	111.19	530.60	92,117.54	83,617.00	...	

† 250 ozs. from unknown tons.

TABLE IV.—Return of all

Broad Arrow

MINING CENTRE.	NUMBER OF LEASE.	REGISTERED NAME OF LEASE OR COMPANY.	Area in Acres.	PARTICULARS OF PLANT.							TOTAL FOR		
				Milling.		Cyaniding.					Alluvial.	Dollied and Specimens	Ore treated.
				Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.	ozs.				ozs.	tons.
		Brought forward ...	...	165	1	13	...	...	...	...	245·65	32,500·68
Broad Arrow ...	134w, 135w ...	(Railway Venture leases) ...	...	...	...	...	...	...	...	...	...	...
Do. ...	1159w ...	Reform G.M. Syndicate ...	12	...	...	...	...	...	...	...	...	28·00
Do. ...	R.C. 1w ...	Reison's Reward ...	...	...	...	...	...	...	...	...	...	256·00
Do. ...	1152w ...	Sons of Erin ...	Wdn.	...	...	...	...	...	...	...	...	67·00
Do. ...	131w ...	South Star (Northam Milling and Mining Co., Ltd.)	12	...	...	...	...	...	...	...	...	913·50
Do. ...	1107w ...	St. Patrick ...	V.N.P.	...	...	...	...	...	...	...	...	...
Do. ...	77w ...	Surprise ...	Ftd.	...	...	...	...	...	...	...	...	...
Do. ...	1113w ...	Surprise ...	6	...	...	...	...	...	...	...	22·79	...
Do. ...	1027w ...	Valhalla ...	V.N.P.	...	...	...	...	...	...	...	...	101·00
Do. ...	643w ...	Victory ...	6	...	p. 1	...	...	...	...	...	...	...
Do. ...	1080w ...	Volunteer ...	Wdn.	...	...	...	...	...	...	...	...	...
Do. ...	1054w ...	W.A. Money Market ...	Ftd.	...	...	...	...	...	...	...	...	...
Do. ...	1028w ...	Mysore Harnhalli G.M. Co., Ltd.	12	...	...	...	...	...	...	...	...	166·50
Do. ...	...	Sundry Claims ...	...	...	...	...	...	...	...	...	...	822·50
Paddington ...	1143w ...	Consols Extended ...	...	10	...	...	...	...	...	...	...	...
Do. ...	1120w ...	Dewey ...	12	...	...	...	...	...	...	...	...	62·50
Do. ...	R.C. 78w ...	Jameson's Reward ...	...	...	...	...	...	...	...	...	...	186·50
Do. ...	1229w ...	Just-in-time ...	6	...	...	...	...	...	...	...	...	150·50
Do. ...	978w ...	Minnie Palmer South G.M. Co.	Ftd.	...	...	...	...	...	...	...	...	...
Do. ...	44w ...	Mona Gold Mine, Ltd. ...	12	10	...	...	...	...	...	...	...	384·50
Do. ...	45w ...	Mount Corlie ...	12	10	...	...	...	...	...	...	...	2,054·25
Do. ...	58w, 59w ...	(New Arrow Proprietary G.Ms., W.A., Ltd.)	...	...	...	...	...	...	...	...	...	...
Do. ...	{ 1w, 53w, 57w, 60/1w, 128w, 1050w, 1063w, 1105w }	Paddington Consols, Ltd. ...	a. r. p. 113 3 13	40	cr.1	10	75	4,000	3	...	...	27,830·50
Do. ...	59w ...	Paddington Cyaniding Syndicate	...	...	...	{ 4 12 } { 3 26 }	600	...	...	...	...	...
Do. ...	...	Paddington Deep Lead	...	...	...	...	...	...	...	...	...	...
Do. ...	71w, 127w, 1073w, 1110w	Paddington South, Ltd. ...	45	...	...	...	...	...	...	...	...	90·00
Do. ...	80w ...	Pakeha ...	12	...	pr.1	...	...	...	...	...	...	1,697·50
Do. ...	1056w ...	Pakeha South ...	12	...	...	...	...	...	...	...	...	25·00
Do. ...	1047w ...	Star of W. A. ...	18	...	...	...	...	...	...	...	...	261·00
Do. ...	...	Sundry Claims ...	...	...	...	...	...	...	...	...	...	706·16
Smithfield ...	997w ...	Golden Coin ...	Ftd.	...	...	...	...	...	...	...	...	...
Do. ...	755w ...	Kingsley Hall Junction ...	V.N.P.	...	...	...	...	...	...	...	...	...
Do. ...	172w ...	Kingsley Hall Reward G.M. Co., N.L.	Ftd.	...	...	...	...	...	...	...	...	...
Do. ...	81w ...	King of the West G.M. Co., Ltd.	V.N.P.	...	...	...	...	...	...	...	...	...
Do. ...	888w ...	Queen of Queens ...	V.N.P.	...	...	...	...	...	...	...	...	...
Do. ...	1002w ...	Queen Victoria ...	V.N.P.	...	...	...	...	...	...	...	...	...
Do. ...	...	Sundry Claims ...	...	...	...	...	...	...	...	...	...	...
From Goldfield generally—													
Sundry parcels treated at Black Flag Proprietary Battery ...													
Do. do.	do.	Excelsior Battery ...	...	...	...	...	...	...	...	...	...	426·50
Do. do.	do.	Great Boulder No. 1 Battery ...	...	...	...	...	...	...	...	...	...	...
Do. do.	do.	Half-Mile Reef Battery ...	...	...	...	...	...	...	...	...	...	...
Do. do.	do.	Hannan's Reward Battery ...	...	...	...	...	...	...	...	...	...	...
Do. do.	do.	Kaloorie Crushing and Cyanide Works	...	...	...	...	...	...	...	...	...	...
Do. do.	do.	Lady Bountiful Battery ...	...	...	...	...	...	...	...	...	...	26·00
Do. do.	do.	Lake View South Battery ...	...	...	...	...	...	...	...	...	...	3,127·50
Do. do.	do.	Mona Public Battery ...	...	...	...	...	...	...	...	...	...	68·00
Do. do.	do.	Nerrin Nerrin Battery ...	...	...	...	...	...	...	...	...	...	1,541·58
Do. do.	do.	New Arrow Proprietary Battery ...	...	...	...	...	...	...	...	...	...	...
Do. do.	do.	Paddington Cyaniding Syndicate	...	...	...	...	...	...	...	...	...	...
Do. do.	do.	Railway Venture Battery ...	...	...	...	...	...	...	...	...	...	...
Do. do.	do.	Seabrook Battery, Northam	...	...	...	...	...	...	...	...	...	...
Alluvial per Banks, etc. ...										1,470·26	...	...
Total ...				235	4	30	...	...	3	1,470·26	268·44	73,493·17

Ore Treated, etc.—continued.

Goldfield—continued.

YEAR 1900.		TOTAL PREVIOUS TO 1900.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1900.
Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	
ozs.		ozs.	ozs.	tons.	ozs.		ozs.	ozs.	tons.	ozs.		£ s. d.
24,973·89	...	111·19	234·95	59,616·80	58,643·11	...	111·19	530·60	92,117·54	83,617·00	...	
...	...	...	...	1,133·75	480·30	·42	...	...	1,133·75	480·30	·42	
23·79	·84	...	...	...	...	...	...	...	28·00	23·79	·84	
149·95	·58	...	...	...	...	...	...	...	256·00	149·95	·58	
13·70	·20	...	...	...	...	...	...	...	67·00	13·70	·20	
370·90	·40	...	...	1,029·40	1,549·35	1·50	...	...	1,942·90	1,920·25	·98	
...	...	...	74·00	...	...	...	...	74·00	...	...	...
...	...	...	...	35·00	30·40	·87	...	...	35·00	30·40	·87	
72·95	·72	...	...	313·90	531·91	1·69	...	22·79	414·90	604·86	1·45	
...	...	...	...	10·00	22·15	2·21	...	...	10·00	22·15	2·21	
...	...	...	...	20·25	10·05	·49	...	...	20·25	10·05	·49	
...	...	...	...	13·00	4·75	·36	...	...	13·00	4·75	·36	
103·15	·61	...	...	28·00	31·72	1·13	...	...	194·50	134·87	·69	
326·43	...	...	...	176·75	90·14	...	...	...	999·25	416·57	...	
15·16	·24	...	...	...	...	...	...	...	62·50	15·16	·24	
250·90	1·34	...	...	...	...	...	...	...	186·50	250·90	1·34	
207·00	1·37	...	...	...	...	...	...	...	150·50	207·00	1·37	3 16 10½
...	...	...	...	30·00	10·60	·35	...	...	30·00	10·60	·35	
104·10	·27	...	...	124·00	130·10	1·04	...	...	508·50	234·20	·46	
1,372·40	·66	...	...	1,642·00	1,084·83	·66	...	...	3,696·25	2,457·23	·66	3 15 0
...	...	...	...	50·00	12·75	·25	...	...	50·00	12·75	·25	
16,956·53	·60	...	...	35,542·00	16,681·54	·46	...	...	63,372·50	33,638·07	·53	3 4 3
...	
26·35	·29	3·02	...	780·60	2,731·06	3·49	3·02	...	780·60	2,731·06	3·49	
...	...	...	...	...	...	...	...	...	90·00	26·35	·29	
887·17	·52	...	...	536·90	376·50	·70	...	...	2,234·40	1,263·67	·56	3 16 6
6·80	·27	...	...	...	...	...	...	...	25·00	6·80	·27	
151·60	·58	...	136·60	4,144·00	4,558·50	1·10	...	136·60	4,405·00	4,710·10	1·06	
418·92	...	...	...	...	...	...	...	...	706·16	418·92	...	
...	...	...	...	40·00	83·61	2·09	...	...	40·00	83·61	2·09	
...	...	...	...	1·00	1·00	1·00	...	...	1·00	1·00	1·00	
...	...	...	...	30·00	16·00	·53	...	...	30·00	16·00	·53	
...	...	...	...	850·00	60·00	·07	...	...	850·00	60·00	·07	
...	...	...	...	50·00	50·00	1·00	...	...	50·00	50·00	1·00	
...	...	...	...	56·00	17·70	·31	...	...	56·00	17·70	·31	
...	...	...	...	20·00	10·58	...	...	...	20·00	10·58	...	
212·65	...	...	...	5·00	2·31	...	...	...	431·50	214·96	...	
...	...	...	...	22·00	16·04	...	...	...	22·00	16·04	...	
...	...	...	...	53·00	60·50	...	...	...	53·00	60·50	...	
...	...	...	...	46·00	26·02	...	...	...	46·00	26·02	...	
...	...	109·75	...	743·75	1,235·79	...	109·75	...	748·75	1,235·79	...	
...	...	...	...	10·50	6·85	...	...	...	10·50	6·85	...	
...	...	...	...	24·00	15·08	...	...	...	24·00	15·08	...	
13·40	...	563·21	...	1,219·50	2,000·84	...	563·21	...	1,245·50	2,014·24	...	
2,214·70	...	...	...	1,569·25	2,954·89	...	...	...	4,696·75	5,169·59	...	
56·90	...	...	...	310·50	146·76	...	...	...	378·50	203·66	...	
1,284·46	...	...	...	1,888·00	2,541·45	...	...	...	3,429·58	3,825·91	...	
cy. 480·82	...	...	...	...	...	...	...	...	...	480·82	...	
...	...	...	...	30·30	13·07	...	...	...	30·30	13·07	...	
...	...	810·63	...	952·75	933·00	...	810·63	...	952·75	933·00	...	
...	...	...	...	...	...	...	1,470·26	...	...	...	...
50,694·62	·69	1,597·80	495·55	113,152·96	197,171·25	·85	3,068·06	763·99	186,646·13	147,865·87	·79	

‡ Also 250ozs. from unknown tons.

TABLE IV.—Return of all

North-East Coolgardie

KANOWNA

MINING CENTRE.	NUMBER OF LEASE.	REGISTERED NAME OF LEASE OR COMPANY.	Area in Acres.	PARTICULARS OF PLANT.							TOTAL FOR									
				Milling.		Cyaniding.					Alluvial.	Dolled and Specimens	Ore treated.							
				Number Stamp.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.	ozs.				ozs.	tons.					
Black Swan	824x	Black Swan	Ftd.																	
Do.	864x, 882x, 889x, 915x	Turn of the Tide Development Syndicate, Ltd.	51																	90-00
Gambier	898x	Brilliant	12																	48-00
Do.	434x	Camelia	24																	
Do.	946x	Gem	12																	4-10
Do.	139x, 720/1x	Hodgkinson G.M. Co., Ltd.	V.N.P.																	
Do.	681x, 873x	Primrose leases	18																	77-00
Do.		Sundry Claims																		10-00
Gordon	98x	Advance Australia Prospectors, Ltd.	24																	20-00
Do.	249x, 273x	Called Back leases	V.N.P.																	
Do.	259x	Doyle	V.N.P.																	
Do.	287x, 338x, 344x	General Gordon G.M. Co., N.L.	V.N.P.																	
Do.	696x	Golden Rainbow	Ftd.																	
Do.	837x	Koh-i-Noor	12																	18-80
Do.	846x	Mount Eba	Ftd.																	
Do.	881x (846x)	Mount Eba	Ftd.																	
Do.	945x (881x)	Mount Eba	12																	56-00
Do.	891x (287x)	Sirdar	12	10																10-00
Do.		Sundry Claims																		20-00
Hayes' New Find	624x	Bulletin G. M. Co. N. L.	Ftd.																	
Do.	838x	Cosmopolite	V.N.P.																	
Do.	844x	Diamond Jubilee	Abd.																	
Do.	869x	Diamond Jubilee Extended	V.N.P.																	
Do.	835x, M.A. 30x	Golden Puzzle	V.N.P.																	
Do.	687x	Great Day Dawn	V.N.P.																	
Do.	871x, 883x	Homeward Bound leases	2																	130-50
Do.	727x	Laurel	V.N.P.																	
Do.	937x (727x)	Laurel	V.N.P.																	35-00
Do.	955x	Pride of Vosperston	12																	214-00
Do.	523x	Rising Star	V.N.P.																	
Do.	392x, 394x, 396x	South Gippsland leases	60	10																399-00
Do.	760x	Spring Bank	Ftd.																	
Do.	966x (760x)	Spring Bank	3																	203-00
Do.	834x	Vanity	V.N.P.																	
Do.	848x	Vanity North	V.N.P.																	
Do.	847x	Whitehead's Find	12																	36-00
Do.		Sundry Claims																		169-00
Kanowna	785x	Alberta	V.N.P.																	
Do.	978x	Altoona	24		cr. 1															
Do.	35x, 64x, 345x	Ballarat and Prince Oscar Syndicate, Ltd.	40																	1,054-50
Do.	(92x, 96x) 952x, 963x	Bonnie Charlie G.M. Co., N.L.	18	10																546-00
Do.	129x, 216x	Bonnie Charlie Central G.M. Co., N.L.	V.N.P.																	
Do.	849x	Bonnie Charlie North G.M. Co., N.L.	12																	
Do.	120x	Broad Arrow Gold Co., Ltd.	12																	
Do.	856x	Commonwealth	V.N.P.																	
Do.	927x	Commonwealth	6 1 33																	254-50
Do.	928x	Eaton's Lode Consolidated	3 1 9																	57-59
Do.	935x	Eaton's Lode Extended	10 2 35																	3-43
Do.	952x	(Federal)																		176-00
Do.	926x	Federal Extended	5 0 22																	140-00
Do.	784x	Fitzroy Cement	5																	151-00
Do.	913x	Fitzroy Federated	4 2 26																	
Do.	83x, 180x, 200/1x	(Golden Cement Claims)																		819-00
Do.	38x, 55x	Golden Crown, Ltd.	26																	366-00
Do.	75x	Golden Feather	12																	50-50
Do.	680x	Golden Rod	Abd.																	
Do.	367x, 510x, 821x	Golden Valley Mines of W.A., Ltd.	60	10	h 1															1,587-00
Do.	832x	Jubilee	V.N.P.																	
Do.	134x, 285x, 886x	Kanowna Carbine G.M. Co., N.L.	24																	
Do.	808x	Kanowna Champion Lode G.M. Co., N. L.	21																	
		Carried forward																		
				40	2														75-12	9,000-55

Ore Treated, etc.—continued.

Goldfield.

DISTRICT.

YEAR 1900.		TOTAL PREVIOUS TO 1900.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1900.
Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	
ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	£ s. d.
...	...	...	...	25.00	34.40	1.37	...	...	25.00	34.40	1.37	
81.45	.90	...	...	45.00	56.43	1.25	...	...	135.00	137.88	1.02	3 15 0
62.00	1.29	...	33.55	...	...	...	...	33.55	48.00	62.00	1.29	3 17 6
...	...	...	...	242.50	386.35	1.59	...	...	242.50	386.35	1.59	
64.20	2.37	...	...	...	...	...	...	4.10	27.00	64.20	2.37	
...	...	...	...	1.00	4.00	4.00	...	...	1.00	4.00	4.00	
73.30	.95	...	...	124.00	135.88	1.09	...	...	201.00	209.18	1.04	3 17 10
4.50	...	...	...	...	...	...	...	...	10.00	4.50	...	
42.00	2.10	...	...	...	...	...	...	...	20.00	42.00	2.10	3 17 6
...	...	...	...	9.00	14.00	1.55	...	...	9.00	14.00	1.55	
...	...	...	...	5.00	1.25	.25	...	...	5.00	1.25	.25	
...	...	...	...	54.25	48.13	.88	...	...	54.25	48.13	.88	
...	...	...	...	3.00	5.79	1.93	...	...	3.00	5.79	1.93	
19.16	1.01	...	...	93.00	64.33	.69	...	...	111.80	83.49	.74	
...	...	...	...	93.75	40.25	.42	...	...	93.75	40.25	.42	
...	...	...	...	5.00	2.90	.58	...	...	5.00	2.90	.58	
40.33	.72	...	...	8.00	4.39	.54	...	...	64.00	44.72	.69	
32.35	...	...	11.00	...	...	...	...	21.00	...	...	...
...	...	...	...	49.75	11.35	.22	...	...	20.00	32.35	...	
...	...	...	...	42.00	25.64	.61	...	...	49.75	11.35	.22	
...	...	...	...	195.00	349.55	1.79	...	...	42.00	25.64	.61	
...	...	...	...	67.00	61.80	.92	...	...	195.00	349.55	1.79	
...	...	...	...	46.00	20.94	.45	...	...	67.00	61.80	.92	
...	...	...	...	48.50	24.71	.50	...	...	46.00	20.94	.45	
126.81	.97	...	...	202.50	216.70	1.06	...	...	48.50	24.71	.50	
...	...	...	...	70.00	44.25	.63	...	...	333.30	343.51	1.03	3 14 2
8.30	.23	...	...	32.00	26.05	.81	...	...	70.00	44.25	.63	
528.75	2.47	...	...	...	...	...	...	...	67.00	34.35	.51	
...	...	...	...	50.00	50.00	1.00	...	...	214.00	528.75	2.47	3 15 0
361.85	.90	...	...	2,846.00	3,688.99	1.29	...	...	50.00	50.00	1.00	
82.03	.40	...	...	50.00	36.00	.72	...	...	3,245.00	4,050.84	1.24	
...	...	...	...	...	...	...	...	...	50.00	36.00	.72	
...	...	...	...	17.50	19.67	1.12	...	...	203.00	82.03	.40	
67.40	1.87	...	22.00	27.00	32.05	1.18	...	...	17.50	19.67	1.12	
335.50	...	...	...	277.00	490.32	1.77	...	22.00	27.00	32.05	1.18	4 1 6
...	...	...	...	73.00	59.05	...	...	...	313.00	557.72	1.78	
...	...	...	...	2.00	3.85	1.92	...	...	242.00	394.55	...	
791.23	.75	...	...	1,227.00	1,152.92	.93	...	...	2.00	3.85	1.92	
290.50	.53	...	...	360.50	161.27	.44	...	...	...	...	...	3 10 0
...	...	...	...	50.00	66.64	1.33	...	...	2,281.50	1,944.15	.85	
...	...	...	...	10.00	5.00	.50	...	...	906.50	451.77	.49	
...	...	...	...	190.00	101.43	.53	...	...	50.00	66.64	1.33	
...	...	...	...	20.00	2.00	.10	...	...	10.00	5.00	.50	
195.22	.76	...	...	...	...	...	...	...	190.00	101.43	.53	
508.55	.83	...	...	...	...	...	...	...	20.00	2.00	.10	
764.08	.45	...	...	...	...	...	...	...	254.50	195.22	.76	
85.17	.48	...	...	...	...	...	...	...	607.00	508.55	.83	4 2 9
52.20	.37	...	...	...	...	...	...	...	1,695.75	764.08	.45	
62.88	.41	...	340.66	348.05	1,466.91	4.21	...	340.66	176.00	85.17	.48	3 7 6
...	...	...	...	...	...	...	...	...	140.00	52.20	.37	3 17 2
332.53	.40	...	...	...	...	...	...	...	499.05	1,529.79	3.06	
...	
357.86	.97	...	...	5,848.00	2,841.35	.48	...	...	819.00	332.53	.40	
36.60	.72	...	12	1,204.00	1,595.02	1.32	...	...	5,848.00	2,841.35	.48	
...	...	...	...	236.50	463.36	1.95	...	...	1,570.00	1,952.88	1.24	3 14 9
525.27	.33	...	...	22.50	28.50	1.26	...	...	287.00	499.96	1.74	
...	...	...	...	3,546.00	1,272.85	.35	...	...	22.50	28.50	1.26	
...	...	...	...	25.00	19.60	.78	...	...	5,133.00	1,798.12	.35	
...	...	...	...	784.50	926.24	1.18	...	...	...	...	...
...	...	...	...	12.00	1.15	.09	...	...	25.00	19.60	.78	
5,932.02	...	...	407.33	18,688.10	16,063.26	...	...	482.45	27,688.65	21,995.28	...	

TABLE IV.—Return of all

North-East Coolgardie

KANOWNA

MINING CENTRE.	NUMBER OF LEASE.	REGISTERED NAME OF LEASE OR COMPANY.	Area in Acres.	PARTICULARS OF PLANT.							TOTAL FOR		
				Milling.		Cyaniding.					Alluvial.	Dollied and Specimens	Ore treated.
				Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.	ozs.				ozs.	tons.
		Brought forward ...	...	40	2	...	...	...	...	...	75.12	9,000.55
Kanowna	894x ...	Kanowna Perseverance ...	5	...	...	...	...	...	...	...	...	...
Do.	187x, 456x	London and Coolgardie Explorers, Ltd.	29	10	...	...	...	...	...	...	...	6,804.00
Do.	943x	Lone Hand ...	V.N.P.	...	...	...	...	...	...	...	...	25.00
Do.	958x	Lord Roberts ...	a. r. p.	...	...	...	...	...	...	...	...	34.00
Do.	18x, 19x (314x)	Lily Australis G.Ms., Ltd.	13 2 21	...	...	...	...	...	...	...	...	...
Do.	822x	New Chum ...	4 1 27	...	...	...	...	...	...	...	7.00	5.00
Do.	40x	New Fitzroy G.M. Co., N.L.	12	...	...	...	...	...	...	...	...	...
Do.	918x	North Cross Reef ...	10	{	p.1	}	...	...	...	...	...	...
Do.	39x, 160x	North Golden Crown, Ltd.	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	942x	North Lead Central ...	a. r. p.	...	...	...	...	...	...	...	6.25	794.00
Do.	923x	North Lead Lode Amalgamated Co., Ltd.	9 2 2	...	...	...	...	...	...	...	...	362.00
Do.	{ 3x, 18/9x, 46x, 60x, 81x, 938x, 974x }	North White Feather G. Ms., Ltd.	95 3 36	20	...	...	...	...	...	...	...	1,184.00
Do.	867x	Onawe ...	Ftd.	...	...	...	...	...	...	...	...	...
Do.	944x	Pioneer Lode ...	a. r. p.	...	...	...	...	...	...	...	...	226.00
Do.	911x	Queensland Boulder ...	5 2 19	...	...	...	...	...	...	...	...	31.00
Do.	980x (911x)	Queensland Boulder ...	V.N.P.	...	...	...	...	...	...	...	...	20.00
Do.	970x	Referendum ...	1	...	...	...	...	...	...	...	...	32.00
Do.	141x, 289x	Rising Sun leases ...	Ftd.	...	...	...	...	...	...	...	...	...
Do.	52x, 68x, 185x, 213x	Robinson G.Ms., Ltd.	50	20	...	...	...	...	...	...	...	2,481.75
Do.	807x	Second Kanowna Synd., Ltd.	24	...	...	...	...	...	...	...	...	...
Do.	122x (374x)	Shamrock G.M. Co., Ltd.	18	g.2	...	...	...	...	...	...	...	83.00
Do.	194x	Sunbeam ...	12	...	...	...	...	...	...	...	...	505.75
Do.	880x	Tentonia ...	Ftd.	...	...	...	...	...	...	...	...	...
Do.	153x	Waldon's Find G.M., Ltd.	18	10	4	50	600	...	...	...	...	...
Do.	5x, 843x	White Feather Extended, Ltd.	a. r. p.	17 3 37	...	...	...	...	...	...	...	184.00
Do.	12/5x, 855x, 1001x	White Feather Main Reef G.M. Co., Ltd.	55 3 38	20	7	43	1,200	...	...	...	...	12,400.00
Do.	{ 1x, 9x, 10x, 72x, 83x, 180x, 200/1x, 431x }	White Feather Reward Claim, Ltd.	88 3 28	20	...	...	...	...	...	...	...	8,491.00
Do.	...	Sundry Claims ...	...	...	...	...	...	...	...	...	3.85	724.50
Mulgarrie	949x	Ed th ...	12	...	...	...	...	...	...	...	...	10.00
Do.	74x, 149x, 165x	Phoenix G.Ms., Ltd.	51	20	...	...	...	...	...	...	605.31	...
Do.	...	Sundry Claims ...	...	...	...	...	...	...	...	...	...	15.00
Six-Mile	929x	Great Sensation ...	V.N.P.	...	...	...	...	...	...	...	...	6.50
Do.	555x	Great Sensation North ...	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	931x	Home Signal ...	12	...	...	...	...	...	...	...	474.70	54.00
Do.	385x	Lord Granville No. 1 North-East	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	857x	Rose's Find ...	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	932x	Signal Consols ...	12	...	...	...	...	...	...	...	77.63	...
Do.	994x	Signal Consols Extended ...	12	...	...	...	...	...	...	...	...	40.50
Do.	930x	Try Again ...	6	p.1	...	...	...	...	...	...	...	10.00
Do.	...	Sundry Claims ...	...	...	...	...	...	...	...	...	5.90	49.50
From District generally—													
		Sundry parcels treated at Golden Puzzle Battery ...	...	...	...	...	...	...	...	...	...	...
	Do.	do. Haacksville Battery ...	...	...	...	...	...	...	...	...	...	...
	Do.	do. Kanowna Carbine Battery ...	...	...	...	...	...	...	...	...	...	...
	Do.	do. Nemesis Battery ...	...	...	...	...	...	...	...	...	...	...
	Do.	do. Shamrock Battery ...	...	...	...	...	...	...	...	...	...	...
		LEASES AND QUARTZ CLAIMS ...	...	160	7	11	...	...	...	...	1,255.76	43,573.05

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

YEAR 1900.		TOTAL PREVIOUS TO 1900.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1900.
Gold therefrom.	Average per ton treated.	Alluvial.	Dolled and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dolled and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	
ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	£ s d.
5,932.02	...	...	407.33	18,688.10	16,063.26	...	...	482.45	27,688.65	21,995.28	...	
...	...	...	...	20.00	6.15	.30	...	...	20.00	6.15	.30	
2,378.97	.34	...	...	4,431.50	3,160.51	.71	...	...	11,235.50	5,539.48	.49	
{ 17.75 pl. 11.90 }	1.18	...	...	...	...	...	...	...	25.00	29.65	1.18	
23.91	.70	...	...	...	...	...	...	...	34.00	23.91	.70	
...	...	...	...	197.00	130.10	.66	...	...	197.00	130.10	.66	
5.17	1.03	...	...	102.50	109.46	1.06	...	7.00	107.50	114.63	1.06	
...	...	...	2.07	56.25	97.30	1.72	...	2.07	56.25	97.30	1.72	
...	
...	...	...	...	87.00	18.00	.20	...	...	87.00	18.00	.20	
377.50	.47	...	...	37.00	19.30	.52	...	6.25	831.00	396.80	.47	
118.47	.32	...	...	138.00	66.34	.48	...	...	500.00	184.81	.36	
1,314.65	1.11	...	...	465.00	332.19	.71	...	...	1,649.00	1,646.84	.99	
...	...	...	...	167.50	71.26	.42	...	...	167.50	71.26	.42	
67.91	.30	...	...	...	...	...	...	...	226.00	67.91	.30	
26.19	.84	...	...	...	...	...	...	...	31.00	26.19	.84	
2.65	.13	...	...	...	...	...	...	...	20.00	2.65	.13	
5.15	.16	...	...	...	...	...	...	...	32.00	5.15	.16	
...	...	...	...	100.00	42.85	.42	...	...	100.00	42.85	.42	
1,725.18	.69	...	...	8,879.00	10,298.04	1.15	...	...	11,360.75	12,023.22	1.05	
...	...	...	...	20.00	13.65	.68	...	...	20.00	13.65	.68	
25.75	.31	...	...	253.00	198.35	.78	...	...	336.00	224.10	.66	3 15 11½
1,249.40	2.47	...	...	1,134.00	1,827.19	1.61	...	...	1,639.75	3,076.59	1.88	3 14 4
...	...	...	...	160.00	72.75	.45	...	...	160.00	72.75	.45	
cy. 11.50	...	...	...	948.55	905.17	.95	...	...	948.55	916.67	.96	
224.72	1.22	...	...	193.00	165.56	.85	...	...	377.00	390.28	1.03	
10,728.26	.86	...	...	23,323.00	23,794.09	1.02	...	...	35,723.00	34,522.35	.96	3 13 6
3,465.88	.40	...	...	12,307.00	11,564.60	.93	...	...	20,798.00	15,030.48	.72	3 12 0
414.25	...	...	...	820.50	893.54	...	...	3.85	1,545.00	1,307.79	...	
8.02	.80	...	...	...	...	...	...	...	10.00	8.02	.80	
...	...	...	441.05	2,226.00	1,228.00	.55	...	1,046.36	2,226.00	1,228.00	.55	4 0 9
6.00	...	...	...	...	...	...	...	...	15.00	6.00	...	
5.45	.83	...	...	...	...	...	...	...	6.50	5.45	.83	
...	...	...	...	50.00	50.42	1.01	...	...	50.00	50.42	1.01	
119.10	2.20	...	100.00	9.00	24.35	2.70	...	574.70	63.00	143.45	2.27	3 18 6
...	...	...	...	20.00	4.04	.20	...	...	20.00	4.04	.20	
...	...	...	6.50	10.00	2.65	.26	...	6.50	10.00	2.65	.26	
...	...	...	...	...	...	...	...	77.63	...	...	...
89.15	2.20	...	...	...	...	...	...	...	40.50	89.15	2.20	
2.55	.25	...	...	...	...	...	...	...	10.00	2.55	.25	
60.80	...	...	...	...	...	...	...	5.90	49.50	60.80	...	
...	...	...	...	49.50	149.25	...	...	...	49.50	149.25	...	
...	...	...	...	26.00	25.65	...	...	...	26.00	25.65	...	
...	...	...	...	14.00	182.00	...	...	...	14.00	182.00	...	
...	...	...	...	77.50	90.25	...	...	...	77.50	90.25	...	
...	...	...	...	8.50	13.60	...	...	...	8.50	13.60	...	
28,418.25	.65	...	956.95	75,018.40	71,619.87	.95	...	2,212.71	118,591.45	100,038.12	.84	

TABLE IV.—Return of all
North-East Coolgardie
KANOWNA

MINING CENTRE.	NUMBER OF LEASE.	REGISTERED NAME OF LEASE OR COMPANY.	Area in Acres.	PARTICULARS OF PLANT.							TOTAL FOR		
				Milling.		Cyaniding.					Alluvial.	Dollied and Specimens	Ore treated.
				Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.	ozs.				ozs.	tons.
		Brought forward ...	...	160	7	11	tons.	tons.	...	...	1,255'76	43,573'05
		<i>From District generally—</i>											
		Cement from Alluvial Claims reported by owners ...	...	...	...	...	...	...	...	...	...	3,095'25
		§Cement from Alluvial Claims treated locally (not reported by owners)—											
		At Bonnie Charlie Works ...	...	...	...	...	...	...	...	...	...	...
		At Golden Crown Works ...	...	...	...	...	...	...	...	...	...	...
		At Golden Valley Works ...	...	...	...	...	...	...	...	...	...	2,717'50
		At Haacksville Works (W.R. 1x) ...	...	5	...	...	...	...	...	...	...	111'50
		At Kanowna Carbine Works ...	...	...	...	...	...	...	...	...	...	...
		At London and Coolgardie Works ...	...	...	...	...	...	...	...	...	...	305'25
		At Machinery Area 14x (Nemesis Works) ...	...	...	...	...	...	...	...	...	...	...
		At Machinery Area 15x ...	...	...	p. 1	...	...	...	...	...	...	206'00
		At Machinery Area 16x ...	...	...	...	...	...	...	...	...	...	...
		At Machinery Area 17x (Monmouth Works) ...	...	...	h. 1	...	...	...	...	...	...	...
		At Machinery Area 19x (Old Cement Works) ...	...	5	...	...	...	...	...	...	...	1,651'00
		At Machinery Area 21x ...	...	...	...	...	...	...	...	...	...	...
		At Machinery Area 22x ...	...	...	p. 1	...	...	...	...	...	...	...
		At Machinery Area 23x (Rollo's Works) ...	...	...	...	...	...	...	...	...	...	...
		At Machinery Area 24x ...	...	...	...	...	...	...	...	...	...	...
		At Machinery Area 25x ...	...	...	h. 1	...	...	...	...	...	...	1,280'50
		At Machinery Area 29x (Globe Works) ...	...	...	{ a. 3 } { b. 1 }	...	...	...	...	...	...	322'50
		At Machinery Area 30x ...	...	5	...	...	...	...	...	...	...	...
		At Machinery Area 31x ...	...	...	pr. 1	...	...	...	...	...	...	...
		At Machinery Area 34x ...	...	...	h. 1	...	...	...	...	...	...	79'00
		At Quartz Claim 57x ...	...	...	{ pr. 1 } { c. 1 }	...	...	...	...	...	...	463'50
		At Red Cross Works (alluvial claim) ...	...	...	p. 1	...	...	...	...	...	...	...
		At Red Lake Works ...	...	...	...	...	...	...	...	...	...	44'00
		At Rigg's Works, Red Lake ...	...	...	...	...	...	...	...	...	...	45'00
		At Robinson Works ...	...	...	...	...	...	...	...	...	...	1,020'00
		At Shamrock Works ...	...	...	...	...	...	...	...	...	...	3,158'50
		At Sim's Works (alluvial claim) ...	...	...	p. 1	...	...	...	...	...	...	...
		At Six-Mile Works (W.R. 46x) ...	...	...	...	...	...	...	...	...	...	...
		At Waldon's Find Works ...	...	...	...	...	...	...	...	...	...	...
		At White Feather Reward Works ...	...	...	...	...	...	...	...	...	...	85'00
		§Cement from Alluvial Claims treated outside district—											
		At Brookman Bros.' Boulder Works, Boulder ...	...	...	...	...	...	...	...	...	...	...
		At Coolgardie Exhibition Works, Coolgardie ...	...	...	...	...	...	...	...	...	...	...
		At Cosgrove Bayley's Works, Coolgardie ...	...	...	...	...	...	...	...	...	...	...
		At Flagstaff Works, Coolgardie ...	...	...	...	...	...	...	...	...	...	...
		At Great Boulder No. 1 Works, Boulder ...	...	...	...	...	...	...	...	...	...	988'00
		At Hannan's Reward Works, Kalgoorlie ...	...	...	...	...	...	...	...	...	...	25'00
		At Haycroft Gold Reduction Works, Kalgoorlie ...	...	...	...	...	...	...	...	...	...	...
		At Kalgoorlie Mint and Iron King Works, Boulder ...	...	...	...	...	...	...	...	...	...	...
		At Lake View South Works, Boulder ...	...	...	...	...	...	...	...	...	...	272'50
		At Leviathan Filter Press and Cyanide Works, Kalgoorlie (late Kalgoorlie Crushing and Cyaniding Works)	...	...	...	...	...	...	...	...	...	...
		At Seabrook Works, Northam ...	...	...	...	...	...	...	...	8,931'83	...	...
		Alluvial per Banks, etc. ...	...	...	...	...	...	...	...	...	...	...
		Notices of Purchase ...	...	...	...	...	...	...	...	...	...	...
		Total ...	...	175	21	11	...	...	...	8,931'83	1,255'76	59,443'05

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

YEAR 1900.		TOTAL PREVIOUS TO 1900.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1900.
Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	
ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	£ s. d.
28,418·25	956·95	75,018·40	71,619·87	...	...	2,212·71	118,591·45	100,038·12	...	
1,928·44	...	262·50	1·00	11,139·90	10,241·49	...	262·50	1·00	14,235·15	12,169·93	...	
...	266·00	196·20	...	...	...	266·00	196·20	...	
...	2,350·08	1,566·15	...	...	...	2,350·08	1,566·15	...	
1,410·11	8,885·70	10,343·57	...	...	...	11,603·20	11,753·68	...	
49·45	1,738·00	1,227·36	...	...	...	1,849·50	1,276·81	...	
...	3,491·70	6,311·46	...	...	...	3,491·70	6,311·40	...	
128·23	305·25	128·23	...	
...	2,007·25	2,989·63	...	...	...	2,007·25	2,989·63	...	
54·20	333·00	93·22	...	...	...	539·00	147·42	...	
...	84·15	14·11	...	...	...	84·15	14·11	...	
...	1,952·30	2,108·51	...	...	...	1,952·30	2,108·51	...	
798·85	812·00	659·72	...	...	...	2,463·00	1,458·57	...	
...	48·00	35·00	...	...	...	48·00	35·00	...	
...	
...	18·00	2·80	...	...	...	18·00	2·80	...	
567·47	572·50	335·53	...	...	...	1,853·00	903·00	...	
262·10	322·50	262·10	...	
...	
...	
33·55	79·00	33·55	...	
235·70	463·50	235·70	...	
...	
...	
9·59	44·00	9·59	...	
4·87	45·00	4·87	...	
534·51	9,060·15	8,358·44	...	...	...	10,080·15	8,892·95	...	
1,846·05	13,846·45	14,657·90	...	...	...	17,004·95	16,503·95	...	
...	209·50	161·07	...	...	...	209·50	161·07	...	
...	114·00	50·10	...	...	...	114·00	50·10	...	
...	1,703·95	1,425·08	...	...	...	1,703·95	1,425·08	...	
39·25	2,348·50	2,132·31	...	...	...	2,433·50	2,171·56	...	
...	1,442·50	1,051·35	...	...	...	1,442·50	1,051·35	...	
...	5·15	6·95	...	...	...	5·15	6·95	...	
...	1·00	21·25	...	...	...	1·00	21·25	...	
...	424·00	250·51	...	...	...	424·00	250·51	...	
775·15	5,256·00	5,674·83	...	...	...	6,244·00	6,449·98	...	
14·50	5,262·10	9,608·32	...	...	...	5,287·10	9,622·82	...	
...	272·50	730·13	...	...	...	272·50	730·13	...	
...	529·00	849·31	...	...	...	529·00	849·31	...	
84·80	7,981·95	17,026·88	...	...	...	8,254·45	17,111·68	...	
...	1,139·85	1,823·27	...	...	...	1,139·85	1,823·27	...	
...	4,118·00	3,725·46	...	...	...	4,118·00	3,725·46	...	
...	...	93,220·13	...	...	...	...	102,151·96	...	...	...	...
...	...	133·10	...	...	...	...	133·10	...	...	...	...
37,195·07	·62	93,615·73	957·95	162,431·58	175,297·72	1·07	102,547·56	2,213·71	221,874·63	212,492·79	·95	

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT.

YEAR 1900.		TOTAL PREVIOUS TO 1900.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1900.
Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	
ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	£ s. d.
...	20'00	20'20	1'01	...	...	20'00	20'20	1'01	...
...	20'00	8'65	'43	...	...	20'00	8'65	'43	...
11'30	'66	...	...	...	...	...	...	...	17'00	11'30	'66	...
...	8'50	19'00	2'23	...	...	8'50	19'00	2'23	...
...	5'00	...	...	...	...	5'00	...	...	...	...
72'00	2'66	...	...	...	...	...	...	73'33	27'00	72'00	2'66	...
...	5'00	2'20	...	...	...	5'00	2'20	...	...
...	40'00	7'00	'17	...	...	40'00	7'00	'17	...
...	68'00	44'52	'65	...	...	68'00	44'52	'65	...
...	44'00	...	...	...	...
...	17'00	55'20	3'24	...	...	17'00	55'20	3'24	...
...
...	188'00	64'52	'34	...	...	188'00	64'52	'34	...
...	442'00	349'68	'79	...	...	442'00	349'68	'79	...
...	...	7'30	...	813'00	282'01	'34	7'30	...	813'00	282'01	'34	...
9'00	'50	...	...	...	...	...	...	...	18'00	9'00	'50	...
36'58	1'30	6'20	...	76'00	36'93	'48	6'20	...	104'00	73'51	'70	...
...	236'20	230'73	'97	...	...	236'20	230'73	'97	...
...	30'00	3'62	'12	...	...	30'00	3'62	'12	...
...	107'00	10'30	'09	...	...	107'00	10'30	'09	...
...	...	53'30	580'45	20'00	43'50	2'17	53'30	580'45	20'00	43'50	2'17	...
465'20	1'75	...	87'00	231'50	279'73	1'20	...	122'00	496'50	744'93	1'50	3 17 10
...	632'00	1,097'75	1'73	...	...	632'00	1,097'75	1'73	...
10,447'35	1'11	...	...	21,278'25	26,077'30	1'22	...	...	30,625'00	36,524'65	1'19	3 15 8
...	106'00	880'00	8'30	...	...	106'00	880'00	8'30	...
330'54	1'22	...	1,120'00	149'00	1,172'81	7'87	...	1,120'00	419'00	1,503'35	3'58	4 0 7
...	...	11'75	...	446'00	300'92	'67	11'75	...	446'00	300'92	'67	...
543'35	1'07	...	...	52'00	116'79	2'24	...	...	557'00	660'14	1'18	3 17 9
3'65	'45	...	...	81'00	79'87	'98	...	...	89'00	83'52	'93	...
...	13'20	9'00	17'80	1'97	...	13'20	9'00	17'80	1'97	...
...	801'05	318'00	742'50	2'33	...	801'05	318'00	742'50	2'33	...
14'52	...	1,182'04	64'95	389'75	344'61	...	1,182'04	64'95	420'75	359'13	...	...
...	51'50	54'65	1'06	...	...	51'50	54'65	1'06	...
...	9'00	'90	'10	...	...	9'00	'90	'10	...
...	4'50	...	...	...	...
39'61	3'44	...	...	...	...	...	...	295'25	11'50	39'61	3'44	4 0 3
15'10	1'07	...	...	...	...	...	...	308'28	14'00	15'10	1'07	...
...	5'00	2'12	'42	...	...	5'00	2'12	'42	...
226'77	1,710'00	6'00	226'77	...	...
...	59'00	27'38	...	...	...	59'00	27'38	...	...
...	89'00	38'72	'43	...	...	89'00	38'72	'43	...
...	91'00	41'90	'46	...	...	91'00	41'90	'46	...
...	1,081'00	392'75	'36	...	...	1,081'00	392'75	'36	...
...	20'00	'97	'04	...	...	20'00	'97	'04	...
...	59'00	13'67	'23	...	...	59'00	13'67	'23	...
...	28'00	87'00	3'10	...	...	28'00	87'00	3'10	...
...	2'30	...	...	...	...	...
...	12'00	9'83	'82	...	...	12'00	9'83	'82	...
...	5'55	8'55	1'54	...	...	5'55	8'55	1'54	...
...	15'00	8'30	'55	...	...	15'00	8'30	'55	...
...	60'00	15'47	'25	...	...	60'00	15'47	'25	...
...	30'00	12'40	'41	...	...	30'00	12'40	'41	...
...	31'00	5'60	'18	...	...	31'00	5'60	'18	...
...	4'00	3'52	'88	...	...	4'00	3'52	'88	...
...	36'00	7'53	'20	...	...	36'00	7'53	'20	...
...	...	36'97	...	23'00	12'59	...	125'73	...	23'00	12'59	...	...
...	2,224'00	1,678'60	...	...	...	2,224'00	1,678'60	...	...
116'45	3,400'30	3,220'73	...	...	...	3,648'55	3,337'18	...	...
25'05	35'50	25'05	...	...
...	...	14,059'77	...	...	...	...	18,280'95	...	...	...	...	...
...	...	34'00	...	...	...	...	34'00	...	...	...	...	...
12,356'47	1'14	15,391'33	2,671'65	33,116'55	37,931'32	1'14	19,703'57	5,142'01	43,947'55	50,287'79	1'14	...

TABLE IV.—Return of all

North-East Coolgardie

KURNALPI

MINING CENTRE.	NUMBER OF LEASE.	REGISTERED NAME OF LEASE OR COMPANY.	Area in Acres.	PARTICULARS OF PLANT.							TOTAL FOR		
				Milling.		Cyaniding.					Alluvial.	Dollied and Specimens	Ore treated.
				Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.	ozs.				ozs.	tons.
Jubilee ...	137k ...	Iron Prince ...	V.N.P.				tons.	tons.		ozs.	ozs.	tons.	
Do. ...	220k, 246k, M.A.	Jubilee Gift leases ...	48	5	t 1							55-00	
Do. ...	40ek ...	Lord Salisbury ...	V.N.P.										
Do. ...	16k ...	Mountain Maid ...	V.N.P.										
Do. ...	220k ...	(Mountain Maid and Iron Prince G.Ms., Ltd.)											
Kurnalpi ...	221k ...	Bravo ...	V.N.P.										
Do. ...	228k ...	Brophy's Kurnalpi Consols G.M. Co., N.L.	Ftd.										
Do. ...	242k ...	Federal ...	V.N.P.										
Do. ...	40bk ...	Fenian ...	V.N.P.										
Do. ...	25k, 29k, M.A. 2k	Hampton Goldhill Mines, Ltd.	a. r. p. 24 3 28	5								377-00	
Do. ...	160k ...	Harriet ...	V.N.P.										
Do. ...	243k (22k)	Kurnalpi ...	V.N.P.										
Do. ...	22k ...	Kurnalpi G.M. Co., Ltd.	Ftd.										
Do. ...	39ak, 97k, 168k	Leviathan G.M., Ltd.	V.N.P.										
Do. ...	50k, 113k	Mt. Simon leases ...	V.N.P.										
Do. ...	224k ...	Pride of the East ...	V.N.P.										
Do. ...	207k ...	Success (Leviathan G.M. Co., Ltd.)	Ftd.										
Do. ...		Sundry Claims ...								190-00			
Mulgabbie ...	230k ...	Hayden's Hope ...	Ftd.							8-50	897-42	7-00	
Do. ...		Sundry Claims ...											
Alluvial	From District generally—									2,657-00			
Total				10	1					2,855-50	897-42	439-00	

East Coolgardie

MINING CENTRE.	NUMBER OF LEASE.	REGISTERED NAME OF LEASE OR COMPANY.	Area in Acres.	PARTICULARS OF PLANT.							TOTAL FOR		
				Milling.		Cyaniding.					Alluvial.	Dollied and Specimens	Ore treated.
				Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.	ozs.				ozs.	tons.
Binduli ...	3519E ...	Brisbane ...	V.N.P.				tons.	tons.		ozs.	ozs.	tons.	
Do. ...	3790E ...	Exhibition ...	V.N.P.										
Do. ...	3522E ...	Great Boulder Associated G.Ms. Co., N.L.	18										
Do. ...	3649E ...	Livingstone ...	V.N.P.										
Do. ...	3675E ...	Messenger's Star of the West	18										
Do. ...	3349E, 3452E ...	Victoria United G.M. Co., N.L.	V.N.P.										
Do. ...		Sundry Claims ...											
Boorara ...	2310E, 2312E ...	Golden Ridge Proprietary leases	72	10							15-18	321-00	
Do. ...	2314E	(Golden Ridge W.A. Proprietary, Ltd.)											
Boulder ...	38E, 71/2E ...	Associated G.Ms. of W.A., Ltd.	a. r. p. 51 3 24		b 14	24	200					41,332-00	
Do. ...	49E, 52/3E, 263E	Associated Northern Blocks, W.A., Ltd.	78		h 3	18	150				34-65	1,318-30	
Do. ...	1006E ...	Boulder Central G.M. Co., N.L.	12		cr. 4				5				
Do. ...	1112E, 1394E ...	Boulder Half-Mile South G.M. Co., N.L.	28										
Do. ...	261E, 281E ...	Brookman Bros.' Boulder G.M. Co., Ltd.	36	10		2						3,157-00	
Do. ...	24E, 888E, 949E, 1168E	Central and West Boulder G.Ms. (W.A.), Ltd.	54									9,930-00	
Do. ...	351E ...	Golden Horseshoe Estates Co., Ltd.	24	50	c. 4		20	70	3,286	9		76,532-00	
		Carried forward ...		70	27	64				14	49-83	132,590-30	

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT.

YEAR 1900.		TOTAL PREVIOUS TO 1900.					TOTAL GOLD PRODUCTION.					Esti- mated Value of Gold per oz., 1900.
Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	
ozs. ...	ozs. ...	ozs. ...	ozs. 106·47 ...	tons. 60·00 175·00 3·50 30·00 208·00 ·05 75 00 82·00 30·00 120·00 28·00 5·00 62·00 209·00 106·00 8·00 256·00 90·00 44·60 ...	ozs. 82·00 170·75 28·00 39·95 229·51 ·66 77·05 143·60 100·00 48·44 7·00 2·43 30·00 55·20 48·38 3·20 86·20 18·64 ...	ozs. 1·36 ·97 8·00 1·33 1·10 ... 1·02 1·75 3·33 ·40 ·25 ·48 ·48 ·26 ·45 ·40 ·32	ozs. ...	ozs. 106·47 ...	tons. 60·00 230·00 3·50 30·00 208·00 ·05 75·00 82·00 30·00 497·00 28·00 5·00 62·00 209·00 106·00 8·00 266·00 25·00 44·60 7·00 ...	ozs. 82·00 208·01 28·00 39·95 229·51 ·66 77·05 143·60 100·00 334·59 7·00 2·43 30·00 55·20 48·38 3·20 86·20 18·64 ...	ozs. 1·36 ·90 8·00 1·33 1·10 ... 1·02 1·75 3·33 ·67 ·25 ·48 ·48 ·26 ·45 ·40 ·32	£ s. d. 3 12 0 3 4 0 ...
37·26	·67	...	...	175·00	170·75	·97	...	...	230·00	208·01	·90	3 12 0
...	3·50	28·00	8·00	...	...	3·50	28·00	8·00	...
...	30·00	39·95	1·33	...	...	30·00	39·95	1·33	...
...	208·00	229·51	1·10	...	...	208·00	229·51	1·10	...
...	·05	·66	...	...	...	·05	·66	...	...
...	75 00	77·05	1·02	...	...	75·00	77·05	1·02	...
...	82·00	143·60	1·75	...	...	82·00	143·60	1·75	...
...	30·00	100·00	3·33	...	...	30·00	100·00	3·33	...
286·15	·75	...	...	120·00	48·44	·40	...	...	497·00	334·59	·67	3 4 0
...	28·00	7·00	·25	...	...	28·00	7·00	·25	...
...	5·00	2·43	·48	...	...	5·00	2·43	·48	...
...	62·00	30·00	·48	...	...	62·00	30·00	·48	...
...	209·00	55·20	·26	...	...	209·00	55·20	·26	...
...	106·00	48·38	·45	...	...	106·00	48·38	·45	...
...	8·00	3·20	·40	...	...	8·00	3·20	·40	...
...	256·00	86·20	·32	...	...	266·00	86·20	·32	...
...	...	90·00	...	25·00	18·64	...	280·00	...	25·00	18·64	...	...
147·80	44·60	...	...	...	8·50	44·60	7·00	147·80	...	...
...	...	5,418·45	...	...	...	...	8,075·45	...	...	...	...	...
471·21	1·07	5,508·45	151·07	1,492·55	1,171·01	·78	8,363·95	1,048·49	1,931·55	1,642·22	·85	...

Goldfield.

YEAR 1900.		TOTAL PREVIOUS TO 1900.					TOTAL GOLD PRODUCTION.					Esti- mated Value of Gold per oz., 1900.
Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	
ozs. ...	ozs. ...	ozs. ...	ozs. ...	tons. 8·50 16·00 61·50 8·00 9·00 17·00 25·00 322·78 113,079·30 49·00 80·00 5,173·00 13,395·00 50,459·39 182,703·47	ozs. 3·70 6·56 38·71 8·51 10·50 13·29 25·95 602·66 180,301·25 4·03 20·30 4,247·36 11,653·89 143,935·00 340,871·71	ozs. ·43 ·41 ·62 1·06 1·16 ·78 ... 1·86 1·59 ·08 ·25 ·82 ·87 2·85 ...	ozs. ...	ozs. ...	tons. 8·50 16·00 61·50 8·00 9·00 17·00 25·00 321·00 154,411·30 49·00 80·00 8,330·00 23,325·00 126,991·39 315,293·77	ozs. 3·70 6·56 38·71 8·51 10·50 13·29 25·95 380·05 602·66 214,485·00 4·03 20·30 8,345·41 15,749·64 276,798·64 526,711·86	ozs. ·43 ·41 ·62 1·06 1·16 ·78 ... 1·86 1·38 7·75 ·08 ·25 1·00 ·67 2·17 ...	£ s. d. 3 17 6 3 10 1 3 19 0½ 4 2 9 3 17 6 3 15 4 ...
...	...	...	...	8·50	3·70	·43	...	...	8·50	3·70	·43	...
...	...	...	...	16·00	6·56	·41	...	...	16·00	6·56	·41	...
...	...	...	...	61·50	38·71	·62	...	...	61·50	38·71	·62	...
...	...	...	...	8·00	8·51	1·06	...	...	8·00	8·51	1·06	...
...	...	...	...	9·00	10·50	1·16	...	...	9·00	10·50	1·16	...
...	...	...	...	17·00	13·29	·78	...	...	17·00	13·29	·78	...
...	...	...	...	25·00	25·95	...	...	...	25·00	25·95	...	...
380·05	1·18	...	...	...	...	...	...	15·18	321·00	380·05	1·18	3 17 6
...	...	...	...	322·78	602·66	1·86	...	...	322·78	602·66	1·86	...
34,183·75	·82	...	...	113,079·30	180,301·25	1·59	...	...	154,411·30	214,485·00	1·38	3 10 1
10,218·91	7·75	...	...	...	...	...	...	34·65	1,318·30	10,218·91	7·75	3 19 0½
...	...	...	...	49·00	4·03	·08	...	...	49·00	4·03	·08	...
...	...	...	...	80·00	20·30	·25	...	...	80·00	20·30	·25	...
4,098·05	1·29	...	...	5,173·00	4,247·36	·82	...	...	8,330·00	8,345·41	1·00	4 2 9
4,095·75	·41	...	...	13,395·00	11,653·89	·87	...	...	23,325·00	15,749·64	·67	3 17 6
132,863·64	1·73	...	...	50,459·39	143,935·00	2·85	...	...	126,991·39	276,798·64	2·17	3 15 4
185,840·15	...	...	...	182,703·47	340,871·71	...	...	49·83	315,293·77	526,711·86	...	...

TABLE IV.—Return of all

East Coolgardie

MINING CENTRE.	NUMBER OF LEASE.	REGISTERED NAME OF LEASE OR COMPANY.	Area in Acres.	PARTICULARS OF PLANT.							TOTAL FOR		
				Milling.		Cyaniling.					Alluvial.	Dollied and Specimens	Ore treated.
				Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.	ozs.				ozs.	tons.
		Brought forward ...	...	70	27	64	...	...	14	...	49.83	132,590.30
Boulder	446E, 1069E	Golden Link Consolidated G.Ms., Ltd.	24	...	...	...	...	...	...	...	...	...
Do.	873E	Great Boulder Main Reef, Ltd.	24 3 0	...	b 2	...	...	...	6	...	...	9,777.00
Do.	50E	Great Boulder No. 1, Ltd.	24	...	...	4	...	...	...	...	...	...
Do.	66E	Great Boulder Perseverance G.M. Co., Ltd.	24	...	g 10	...	...	...	8	...	...	43,279.55
Do.	16E, 51E, 61E, 102E, 280E	Great Boulder Proprietary G.Ms., Ltd.	85 1 0	30	g 10	14	...	...	15	...	...	54,887.00
Do.	3643E	Hainault G.M., Ltd.	20	10	...	...	...	...	...	...	...	...
Do.	1294E	Hannan's Golden Pike G.M., Ltd.	12	...	...	...	...	...	...	...	...	...
Do.	410E, 532E	Hannan's Oroya G.M. Co. (W.A.), Ltd.	36	...	h 3	...	...	...	...	...	...	15,146.05
Do.	15E, 60E	Hannan's Star G.Ms., Ltd.	18	...	b 3	8	60	1,500	...	...	...	4,055.00
Do.	31E	Ivanhoe Gold Corporation, Ltd.	24	60	b 1	16	80	7,500	4	...	...	74,750.00
Do.	3364E	Ivanhoe Venture G.M. Co., N.L.	18	...	...	...	...	...	...	...	...	...
Do.	33E	Kalgoorlie Bank of England G.M. Co., Ltd.	10	{	b 2	4	50	...	...	...	...	3,417.00 {
Do.	73E, 74E	Kalgoorlie Mint and Iron King G.Ms., Ltd.	42	10	...	4	22	500	...	...	...	395.00
Do.	3047E	Kingston	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	25E, 32E	Lake View Consols, Ltd.	48	50	{	b 4	26	...	16	...	...	28,642.80 {
Do.	103E	Lake View Extended G.M. (W.A.), Ltd.	24	...	...	...	...	...	...	...	...	...
Do.	75E	Lake View South G.M. (W.A.), Ltd.	20	30	...	2	...	...	...	...	...	...
Do.	35E	North Boulder G.M. Co., Ltd.	9	10	h 2	8	56	1,600	...	...	...	2,563.90
Do.	287E, 444E	North Kalgurli G.Ms., Ltd.	30	...	...	...	...	...	...	...	...	298.55
Do.	1208E, 3612E	South Kalgurli G.Ms., Ltd.	14 1 27	...	g 4	7	...	...	4	...	...	11,219.00
Do.	3031E	Trafalgar G.M. (W.A.), Ltd.	19 1 13	...	...	...	...	...	...	...	...	...
Do.	...	Sundry Claims	...	...	...	...	...	...	...	...	...	...
Feysville	Block 50	Hampton Properties, Ltd.	...	5	...	...	...	...	...	...	...	712.00
Do.	3746E	Michael Angelo Lode	Ftd.	...	...	...	...	...	...	...	...	...
Do.	2684E	Rosina	12	...	...	...	...	...	...	1.10	...	...
Kalgoorlie	392E	Acrobat (Paringa Consolidated Mines, Ltd.)	24	...	...	...	...	...	...	...	...	10.25
Do.	989E, 1013E, 1170E, 1596E	Brown Hill Central G.Ms., Ltd.	58 3 9	...	...	...	...	...	...	...	...	...
Do.	558E	Brown Hill Extended, Ltd.	12	...	...	...	...	...	...	...	...	735.00
Do.	552E (861E), 922E (999E, 1075E)	Brown Hill Proprietary G.Ms., Ltd.	24	...	...	...	...	...	...	...	...	...
Do.	4E	Cassidy Hill (Paringa Consolidated Mines, Ltd.)	...	...	...	...	...	...	...	...	...	395.00
Do.	...	Do.	...	...	...	...	...	...	...	...	...	...
Do.	238E	Croesus North No. 1, Ltd.	9	...	...	...	...	...	...	...	...	421.00
Do.	1621E	Croesus Proprietary G.M. Co., N.L.	12	...	...	...	...	...	...	...	...	...
Do.	13E, 90E, 302E	Croesus South G.Ms., Ltd.	27	20	...	...	...	...	...	...	...	3,950.00
Do.	3880E	Devon Consols	24	...	...	...	...	...	...	...	...	185.00
Do.	3770E	Eaglehawk United	8	...	...	...	...	...	...	...	...	31.00
Do.	1694E	Golden Zone	V.N.P.	...	...	...	...	...	...	...	...	86.00
Do.	6E	Hannan's Block 45, Ltd.	18	...	...	...	...	...	...	...	...	641.50
Do.	1292E	Hannan's Britannia	22 2 18	...	...	...	...	...	...	...	...	326.00
Do.	448E, 578E, 698E, 944E, 1395E	Hannan's Brown Hill G.M. Co., Ltd.	53 3 5	{	b 4	12	72	...	3	...	...	61,795.00
Do.	131E, 245E, 269E	Hannan's Central G.M., Ltd.	29	{	cr 2	...	...	...	...	...	...	55.00
Do.	14cE, 415E, 1163E	Hannan's Consols, Ltd.	21	...	...	...	...	...	...	...	...	224.00
Do.	739E	Hannan's Croesus G.M. Co., Ltd.	23	5	...	...	...	...	...	...	...	...
Do.	755E	Hannan's Excelsior G.M., Ltd.	12	...	...	...	...	...	...	...	...	...
Do.	9E, 37E, 42E	Hannan's Find Gold Reefs, Ltd.	19 1 7	...	...	...	...	...	...	...	...	...
Do.	983E, 1183E, 1305E, 1393E	Hannan's Golden Group, Ltd.	73 1 27	...	...	...	...	...	...	...	...	...
		Carried forward ...	...	310	79	169	...	...	70	...	50.90	450,587.90

Ore Treated, etc.—continued.

Goldfield—continued.

YEAR 1900.		TOTAL PREVIOUS TO 1900.					TOTAL GOLD PRODUCTION.					Esti- mated Value of Gold per oz., 1900.
Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	
ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	£ s. d.
185,840·15	...	...	...	182,703·47	340,871·71	...	...	49·83	315,293·77	526,711·86	...	
...	...	...	...	5·00	·25	·05	...	...	5·00	·25	·05	
22,050·50	2·25	...	...	24,513·89	37,608·06	1·53	...	...	34,290·89	59,658·56	1·73	3 14 0
...	...	...	...	1,913·00	2,107·40	1·10	...	...	1,913·00	2,107·40	1·10	
47,098·81	1·08	...	...	49,165·18	87,353·54	1·77	...	...	92,444·73	134,452·35	1·45	3 16 0
115,908·76	2·11	...	...	143,361·00	334,037·54	2·33	...	...	198,248·00	449,946·30	2·26	3 16 9
...	...	...	...	12·20	50·20	4·11	...	...	12·20	50·20	4·11	
...	...	...	...	25·00	16·30	·65	...	...	25·00	16·30	·65	
5,800·72	·38	...	...	44,997·45	19,408·25	·43	...	...	60,143·50	25,208·97	·41	3 18 0
2,373·58	·58	...	...	6,203·75	3,552·43	·57	...	...	10,258·75	5,926·01	·57	
107,051·86	1·43	...	...	106,961·00	197,796·78	1·84	...	...	181,711·00	304,848·64	1·67	3 15 0
...	...	...	...	30·50	44·00	2·08	...	30·50	44·00	91·60	2·08	
1,101·67	} 34	...	...	8,209·50	5,645·54	·68	...	...	11,626·50	6,802·41	·58	4 0 0
pl. 55·20		6·17	2,943·00	5,410·94	1·83	3,338·00	7,848·31	2·35	3 11 6½
2,437·37	...	...	...	35·00	27·85	·79	...	...	35·00	27·85	·79	
97,748·33	} 3·44	...	...	181,324·80	429,528·29	2·36	...	...	209,967·60	528,298·96	2·51	3 15 0
¶ 1,022·34		710·00	177·25	·24	710·00	177·25	·24
...	...	...	...	4,334·00	1,471·81	·33	...	...	4,334·00	1,471·81	·33	
5,347·92	2·08	...	...	27,386·00	40,436·96	1·47	...	...	29,949·90	45,784·88	1·52	4 0 0
1,468·27	4·91	...	...	...	...	...	...	...	298·55	1,468·27	4·91	
11,003·64	·98	...	...	...	...	...	...	...	11,219·00	11,003·64	·98	3 16 6
...	...	...	...	37·95	5·15	·13	...	...	37·95	5·15	·13	
...	...	...	...	499·00	815·70	...	...	...	499·00	815·70	...	
436·10	·61	...	...	114·85	45·37	·39	...	...	712·00	436·10	·61	3 17 10½
...	...	...	...	10·50	3·00	·28	...	1·10	114·85	45·37	·39	
40·06	3·90	...	...	...	...	...	...	...	10·50	3·00	·28	
...	...	...	...	2,764·50	2,196·09	·79	...	...	10·25	40·06	3·90	3 18 10
...	...	...	...	...	...	...	...	...	2,764·50	2,196·09	·79	
3,531·98	4·80	...	...	102·75	1,040·25	...	...	...	837·75	4,572·23	5·45	4 0 0
...	...	...	...	198·00	282·30	1·42	...	...	198·00	282·30	1·42	
919·10	2·32	...	...	399·00	594·11	1·48	...	...	794·00	1,513·21	1·90	3 18 10
...	†	†	...	
206·10	4·89	...	...	20·25	11·50	·56	...	...	441·25	217·60	·49	3 18 10
...	...	...	...	61·00	20·90	·34	...	...	61·00	20·90	·34	
1,205·25	·30	...	...	170·00	132·75	·78	...	...	4,120·00	1,338·00	·32	
84·37	·45	...	...	...	...	...	...	...	185·00	84·37	·45	
60·71	1·95	...	...	...	...	...	...	...	31·00	60·71	1·95	3 15 0
38·72	·45	...	...	448·00	484·94	1·08	...	...	534·00	523·66	·98	
821·46	1·28	...	...	296·05	489·32	1·65	...	...	937·55	1,310·78	1·39	4 0 0
255·96	·78	...	...	21·50	20·75	·96	...	...	347·50	276·71	·79	
{ 80,206·75	} 1·30	...	...	75,896·30	172,329·58	2·27	...	...	137,691·30	253,086·33	1·83	3 17 1
{ ¶ 550·00		19·10	55·00	19·10	·34
239·99	1·07	...	...	78·00	81·50	1·04	...	...	302·00	321·49	1·06	
...	...	...	...	3,881·75	4,018·97	1·03	...	...	3,881·75	4,018·97	1·03	
...	...	...	...	103·50	52·94	·51	...	...	103·50	52·94	·51	
...	...	...	...	37·50	19·95	·53	...	...	37·50	19·95	·53	
...	...	...	...	6·00	18·00	3·00	...	...	6·00	18·00	3·00	
694,924·77	...	...	30·50	869,993·64	1,688,255·77	...	...	81·43	1,320,581·54	2,383,180·54	...	

† 500ozs. from unknown tons.

TABLE IV.—Return of all

East Coolgardie

MINING CENTRE.	NUMBER OF LEASE.	REGISTERED NAME OF LEASE OR COMPANY.	Area in Acres.	PARTICULARS OF PLANT.							TOTAL FOR		
				Milling.		Cyaniding.					Alluvial	Dollied and Specimens	Ore treated.
				Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.	ozs.				ozs.	tons.
		Brought forward ...	...	310	79	169	tons.	tons.	70	...	ozs.	50·93	450,587·90
Kalgoorlie	134E, 924E	Hannan's Main Reef G.M. Co., Ltd.	21	...	...	...	...	...	...	...	...	...	145·00
Do.	1004E	Hannan's North Croesus G.M. Co., Ltd.	12	...	...	...	...	...	...	...	...	...	...
Do.	248E	Hannan's North G.M. Co., Ltd.	24	...	...	...	...	...	...	...	...	...	210·00
Do.	1024/5E, 1085E, 1167E	Hannan's Proprietary Development Co., Ltd.	61 1 15	...	h 3	...	...	...	...	...	...	...	7,790·00
Do.	M.A. 11E	Hannan's Public Crushing, Condensing, & Saw Milling Co. (W.A.), Ltd.	...	20	...	4	...	...	4	...	...	...	...
Do.	97E, 160E	Hannan's Reward, Ltd.	a. r. p. 26 3 27	20	...	...	...	...	...	...	...	...	2,475·00
Do.	796E, 1228E	Hannan's Reward North G.M. Co., N.L.	27	...	...	...	...	...	...	...	...	...	...
Do.	790E, 1008E	Harquahala G.M. Co., Ltd.	27	...	...	...	...	...	...	...	...	...	...
Do.	3769E	Hawks' View No. 2	Ftd.	...	...	...	...	...	...	...	...	...	...
Do.	946E	Ironsides North G.M. Co., N.L.	a. r. p. 24 3 20	...	...	...	...	...	...	...	...	...	864·00
Do.	22E, 34E	Kalgurli G.Ms., Ltd.	18	{	b 4 } cr 1	11	100	1,100	2	...	...	...	10,418·00
Do.	1260E, 1385/6E, 1733/5E	Kalgoorlie Mining Developments Co., Ltd.	...	...	...	...	...	...	...	...	...	1·50	1,317·35
Do.	547E	Kalgoorlie Proprietary G.M. Co., N.L.	12	...	...	...	...	...	...	...	...	...	8·00
Do.	12E, 229E	Kalgurli Star Syndicate, Ltd.	24	...	...	...	...	...	...	...	...	5·67	829·00
Do.	2E, 279E	Maritana G.M. Co., N.L.	15	...	...	...	...	...	...	...	...	...	129·00
Do.	2229E	Maritana South	a. r. p. 8 2 26	...	...	...	...	...	...	...	...	...	84·00
Do.	21E, 64E	Monte Christo G.M. Co., N.L.	17 3 18	...	...	...	...	...	...	...	...	...	107·00
Do.	211/3E, 1653E	Mt. Charlotte G.M. Co., Ltd.	67 1 10	10	...	...	...	...	...	...	...	...	4,834·00
Do.	244E	North Croesus G.M. Co., Ltd.	12	...	...	...	...	...	...	...	...	...	...
Do.	1556E	North Mt. Charlotte G.Ms., Ltd.	24	...	...	...	...	...	...	...	...	...	202·00
Do.	890E	North Western Associated G.Ms. (W.A.), Ltd.	24	...	...	...	...	...	...	...	...	...	...
Do.	501E, 1591E, 2988E	Paringa Consolidated Mines, Ltd.	a. r. p. 14 3 7	...	...	...	...	...	...	...	...	...	...
Do.	1095E	Hannan's Reward No. 2 South	Surr.	...	...	...	...	...	...	...	...	...	52·00
Do.	1769E	Pride of Kalgoorlie	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do.	2 2 5 E, 1 1 1 4 a. E, 3 7 8 9 E	Reefer's Eureka G.M. Co., N.L.	a. r. p. 29 3 9	...	...	...	...	...	...	...	...	...	467·00
Do.	3771E	Sons of Gwalia, Kalgoorlie	12	...	...	...	...	...	...	...	...	...	28·00
<i>From Goldfield generally :—</i>													
Sundry parcels treated at	Brookman's Bros.' Boulder Battery	...	...	...	...	...	...	...	...	...	...	...	...
Do.	do.	Coolgardie Ore Reduction Works	...	...	...	...	...	...	...	...	...	...	...
Do.	do.	Great Boulder No. 1 Battery	...	...	...	...	...	...	...	...	...	...	2,903·25
Do.	do.	Hannan's Reward Battery	...	...	...	...	...	...	...	...	...	...	2,759·50
Do.	do.	King and Co.'s Smelting and Metallurgical Works	...	...	...	...	...	...	...	...	17·00	...	6·50
Do.	do.	Leviathan Filter Press and Cyanide Works	...	...	...	...	...	...	...	...	...	...	...
Do.	do.	Lake View South Battery	...	...	...	...	...	...	...	...	...	...	4,726·50
Do.	do.	Mt. Charlotte Battery	...	...	...	...	...	...	...	...	...	...	30·00
Do.	do.	North Boulder Battery	...	...	...	...	...	...	...	...	...	...	747·00
Do.	do.	Walleroo, South Australia	...	...	...	...	...	...	...	...	...	...	...
Notices of Purchase	...	...	...	...	...	...	...	...	...	2,295·56	1,944·14	...	...
Total				360	87	184	...	...	76	2,295·56	2,019·24	...	491,720·00

Ore Treated, etc.—continued.

Goldfield—continued.

YEAR 1900.		TOTAL PREVIOUS TO 1900.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1900.
Gold therefrom.	Average per ton treated.	Alluvial.	Dolled and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dolled and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	
694,924.77	...	...	...	869,993.64	1,688,255.77	...	...	81.43	1,320,581.54	2,383,180.54	...	£ s. d.
62.85	.43	...	...	...	...	...	...	...	145.00	62.85	.43	
...	...	...	...	50.00	14.22	.28	...	...	50.00	14.22	.28	
162.36	.77	...	...	920.00	1,448.66	1.57	...	...	1,130.00	1,611.02	1.42	
4,344.48	.55	...	...	1,558.50	1,609.05	1.08	...	...	9,348.50	5,953.53	.68	4 1 10
...	
3,092.87	1.24	...	2.83	6,458.00	5,822.84	.90	...	2.83	8,933.00	8,915.71	.99	3 17 6
...	...	...	...	218.00	174.18	.79	...	...	218.00	174.18	.79	
...	...	...	...	59.00	66.85	1.13	...	...	59.00	66.85	1.13	
...	...	...	...	41.00	11.23	.27	...	...	41.00	11.23	.27	
720.65	.83	...	...	...	...	...	...	...	864.00	720.65	.83	4 0 1
15,632.55	1.50	...	...	1,305.48	6,981.97	5.34	...	...	11,723.48	22,614.52	1.92	3 17 10½
1,277.35	.96	...	8.17	1,323.50	1,588.92	1.20	...	9.67	2,640.85	2,866.27	1.08	3 16 9¼
6.55	.81	...	...	12.00	17.29	1.44	...	...	20.00	23.84	1.19	
538.19	.64	...	...	728.29	406.57	.55	...	5.67	1,557.29	944.76	.60	
134.40	1.04	...	...	406.50	365.65	.89	...	...	535.50	500.05	.93	3 15 0
40.72	.48	...	148.30	87.50	168.37	1.92	...	148.30	171.50	209.09	1.21	
33.70	.31	...	...	...	...	...	...	...	107.00	33.70	.31	
{ 2,148.52 } { pl. 73.00 }	.46	...	...	6,891.10	2,705.50	.39	...	...	11,725.10	4,927.02	.42	3 17 6
...	...	...	18.26	...	...	...	...	18.26	...	...	...
120.94	.59	...	...	517.00	241.81	.46	...	...	719.00	362.75	.50	
...	...	...	...	29.00	51.64	1.78	...	...	29.00	51.64	1.78	
...	...	...	...	80.00	80.45	1.00	...	...	80.00	80.45	1.00	
55.78	1.07	...	...	83.00	143.70	1.73	...	...	135.00	199.48	1.47	
...	...	...	15.65	...	...	...	...	15.65	...	...	...
450.67	.96	...	...	528.40	633.10	1.19	...	...	995.40	1,083.77	1.08	
15.00	.53	...	...	...	...	...	...	...	28.00	15.00	.53	
...	...	...	...	1,293.00	2,036.82	...	...	...	1,293.00	2,036.82	...	
...	...	...	...	10.50	.60	...	...	...	10.50	.60	...	
2,225.55	...	...	...	129.50	79.27	...	...	...	3,032.75	2,304.82	...	
2,273.24	...	...	...	2,393.50	3,079.92	...	...	...	5,153.00	5,353.16	...	
152.83	...	...	...	...	...	...	...	17.00	6.50	152.83	...	
cy. 425.26	...	...	...	60.25	772.00	...	...	...	60.25	1,197.26	...	
4,302.75	...	...	...	456.75	272.14	...	...	...	5,183.25	4,574.89	...	
8.40	...	...	...	42.50	47.06	...	...	...	72.50	55.46	...	
400.30	...	...	...	...	...	...	...	...	747.00	400.30	...	
cy. 32.50	...	...	...	...	...	...	...	...	...	32.50	...	
...	...	590.25	...	...	...	...	2,885.81	1,944.14	...	...	...
733,656.18	1.49	590.25	223.71	895,675.91	1,717,075.58	1.91	2,885.81	2,242.95	1,387,395.91	12,450,731.76	1.76	

‡ Also 500ozs. from unknown tons.

TABLE IV.—Return of all

Coolgardie

COOLGARDIE

MINING CENTRE.	NUMBER OF LEASE.	REGISTERED NAME OF LEASE OR COMPANY.	Area in Acres.	PARTICULARS OF PLANT.							TOTAL FOR		
				Milling.		Cyaniding.					Alluvial.	Dollied and Specimens	Ore treated.
				Number Stampers.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.	ozs.				ozs.	tons.
Bonnievale	126, 3711	Bendigo and Coolgardie Proprietary Co., N.L.	33	15			tons.	tons.		ozs.	ozs.	tons.	634-00
Do.	3602	Condenser King	V.N.P.										42-00
Do.	3630	Gem of the Vale	V.N.P.										44-00
Do.	3805	Gentle Annie	12										44-00
Do.	1741	Golden Drop	a. r. p.										
Do.	1811	Golden King	11 3 11										
Do.	3742 (1811)	Lady Florence	Abd.										38-00
Do.	M.A. 70	Mt. Burgess Cyanide Works											
Do.	2413	Mt. Burgess G.M., Ltd.	25	15									564-00
Do.	3763 (3606)	Native Wonder	V.N.P.										12-00
Do.	595, 1405, 1741	New Victoria Consols G.M. Co., N.L.	41 3 11	25									1,270-00
Do.	1610	North Burges G.M. Co., Ltd.	18	5	1								659-00
Do.	2638	Prim Syndicate, Ltd.	V.N.P.										110-00
Do.	1552	Vale of Coolgardie G.Ms., Ltd.	25	10	5	40	1,200						11,926-00
Do.	3453	Water Trust Mining and Public Crushing Co. of W.A., Ltd.	V.N.P.										
Do.	{ 144, 1151, 1639, 2146, 2266, 3572, 3575 }	Westralia and East Extension Mines., Ltd.	131	40									495-00
Do.		Sundry Claims											68-00
Bulla Bulling	3853	First Find	12										5-00
Do.	3783 (3613)	Golden Gate	Abd.										113-50
Do.	1777	Golden Gate, W.A., Ltd.	Ftd.										
Do.	3613 (1777)	Pilgrim	Ftd.										
Do.	3838	Prince of Wales	12										22-00
Do.		Sundry Claims											178-00
Burbanks	134/6, 1527, 2761	Burbanks Birthday Gift G.M., Ltd.	39	60	6	40	1,000						19,613-00
Do.	3808 (3689)	Burbanks Brilliant	12									13-00	55-00
Do.	2210	Burbanks Consols, Ltd.	a. r. p.										
Do.	3758	Burbanks Eureka	23 1 19										
Do.		Burbanks Eureka	V.N.P.										12-01
Do.	971, 1799, 2848	Burbanks Grand Junction, Ltd.	a. r. p.										
Do.	3246	Burbanks Grand Junction West	33 2 10		1								
Do.	3632 (3200)	Burbanks Horseshoe	V.N.P.										
Do.	2985/6, 3444	Burbanks Main Lode, Ltd.	9										
Do.	3588	Burbanks Monarch	42	10									
Do.	3685	Burbanks Monarch	V.N.P.										
Do.	3685	Burbanks New Year's Gift	V.N.P.										
Do.	1705	Burbanks North G.M., Ltd.	24										
Do.	245 ^{6a}	Burbanks No. 1 West G.Ms., Ltd.	24										54-00
Do.	3200	Burbanks Star	Ftd.										
Do.	3636 (756)	Burbanks Welcome	V.N.P.										53-50
Do.	1918	Glenloth South	10										
Do.	2160	Lady Robinson	12										24-00
Do.	756	La Mascotte	Ftd.										
Do.	3627, 3700	Lanarkshire Gold Mines of Australia, Ltd.	V.N.P.										30-00
Do.	3809, 3828	Lord Bobs leases	18										143-00
Do.	3845	Lord Bobs No. 1 North	5										36-00
Do.	3713	Pivot	V.N.P.										
Do.	2058	Queensland	24										165-00
Do.	3689 (3246)	Scandia	Ftd.										
Do.	3716	Treasure	12										12-00
Do.		Sundry Claims										3-10	22-00
Coolgardie	3676 (3066)	Admiral Sampson	Ftd.										
Do.	3735 (3251)	Alice	12										84-00
Do.	2613	Auckland	Abd.										
Do.	3606	Aurum	Ftd.										
Do.	3668	Australasian Junction	V.N.P.										
Do.	538, 810	Australasian United G.Ms., N.L.	Ftd.										
Do.	22	Bayley's Consols G.M. Co., N.L.	18	10									
Do.	471	Bayley's South Extended	a. r. p.										
		Carried forward	9 1 27										
				190	1	12						28-11	36,472-00

Ore Treated, etc.—continued.

Goldfield.

DISTRICT.

YEAR 1900.		TOTAL PREVIOUS TO 1900.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1900.
Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	
ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	£ s. d.
385.94	.60	...	...	1,388.00	1,664.55	1.19	...	...	2,022.00	2,050.49	1.01	
20.65	.47	...	2.47	264.50	213.75	.80	...	2.47	306.50	234.40	.76	
121.75	2.76	...	...	44.10	13.97	.31	...	...	44.10	13.97	.31	3 18 0
...	...	...	...	...	...	...	...	...	44.00	121.75	2.76	
...	...	...	...	283.50	269.20	.94	...	...	283.50	269.20	.94	
...	...	...	...	47.00	52.00	1.10	...	...	47.00	52.00	1.10	
30.75	.80	...	...	24.50	23.52	.96	...	...	62.50	54.27	.86	
{ 141.70 }	.28	...	...	7,870.50	9,093.57	1.15	...	...	8,434.50	9,253.77	1.09	3 17 2½
{ 118.50 }	.62	...	...	13.00	10.62	.81	...	...	25.00	18.17	.72	
7.55	.31	...	...	11,455.50	5,375.79	.46	...	...	12,725.50	5,775.39	.45	
399.60	.66	...	...	248.00	244.39	.98	...	...	907.00	681.40	.75	
437.01	.41	...	...	2,574.80	2,224.86	.86	...	...	2,684.80	2,270.25	.84	
45.39	.71	...	...	15,901.00	12,032.05	.75	...	...	27,827.00	20,590.68	.74	3 16 0
8,558.63	...	...	...	1,648.30	896.68	.54	...	...	1,648.30	896.68	.54	
...	...	...	...	39,728.65	25,363.71	.63	...	...	40,223.65	25,456.06	.63	
92.35	1.86	...	...	40.50	30.80	...	...	...	108.50	43.20	...	
12.40	.50	...	...	...	...	...	...	...	5.00	2.52	.50	
2.52	.57	...	...	...	...	...	...	...	113.50	65.56	.57	
65.56	...	...	...	50.00	130.00	2.60	...	...	50.00	130.00	2.60	
...	...	...	...	93.00	64.40	.69	...	...	93.00	64.40	.69	
15.28	.69	...	...	...	...	...	...	...	22.00	15.28	.69	
158.00	...	...	14.65	20.00	24.45	...	...	14.65	198.00	182.45	...	
19,072.29	.97	...	...	33,340.00	55,525.98	1.66	...	...	52,953.00	74,598.27	1.40	3 13 6
12.93	.23	...	...	...	...	...	...	13.00	55.00	12.93	.23	
...	...	...	...	18.00	14.45	.80	...	...	18.00	14.45	.80	
...	...	...	...	...	...	...	...	12.01	...	...	...
...	...	...	...	877.50	2,210.25	2.51	...	...	877.50	2,210.25	2.51	
...	...	...	...	97.00	185.60	1.91	...	...	97.00	185.60	1.91	
...	...	...	...	11.00	67.75	6.15	...	...	11.00	67.75	6.15	
...	...	...	...	470.00	346.82	.73	...	...	470.00	346.82	.73	
...	...	...	5.10	...	...	...	...	5.10	...	...	...
...	...	...	...	36.00	15.60	.43	...	...	36.00	15.60	.43	
...	...	...	...	22.50	8.80	.39	...	...	22.50	8.80	.39	
39.90	.73	...	...	100.00	114.97	1.14	...	...	154.00	154.87	1.00	
...	...	...	...	87.00	85.60	.98	...	...	87.00	85.60	.98	
24.12	.45	...	21.00	192.00	113.84	.59	...	21.00	245.50	137.96	.56	
...	...	...	...	372.00	515.20	1.38	...	...	372.00	515.20	1.38	
24.01	1.00	...	...	267.40	168.97	.63	...	...	291.40	192.98	.66	
...	...	...	...	50.00	21.55	.43	...	...	50.00	21.55	.43	
13.00	.43	...	...	198.00	117.57	.59	...	...	228.00	130.57	.57	
421.30	2.94	...	...	...	...	...	...	...	143.00	421.30	2.94	
44.00	1.22	...	...	...	...	...	...	...	36.00	44.00	1.22	
...	...	...	...	81.00	43.14	.53	...	...	81.00	43.14	.53	
58.50	.36	...	...	665.00	750.91	1.12	...	...	830.00	809.41	.97	
...	...	...	3.15	82.50	73.10	.88	...	3.15	82.50	73.10	.88	
3.70	.30	...	...	93.00	53.85	.57	...	...	105.00	57.55	.54	
10.15	...	...	...	28.00	9.45	...	...	3.10	50.00	19.60	...	
...	...	...	...	44.00	18.03	.41	...	...	44.00	18.03	.41	
24.43	.20	...	...	25.00	15.53	.62	...	...	109.00	39.96	.36	
...	...	...	...	50.00	24.65	.49	...	...	50.00	24.65	.49	
...	...	...	...	61.00	49.95	.81	...	...	61.00	49.95	.81	
...	...	...	1.25	194.00	76.62	.39	...	1.25	194.00	76.62	.39	
...	...	...	...	43.25	21.85	.50	...	...	43.25	21.85	.50	
...	...	...	...	4,460.00	2,719.41	.60	...	...	4,460.00	2,719.41	.60	
...	...	...	...	47.00	8.55	.18	...	...	47.00	8.55	.18	
30,261.91	...	...	47.62	123,707.00	121,106.30	...	...	75.73	160,179.00	151,368.21	...	

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

YEAR 1900.		TOTAL PREVIOUS TO 1900.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1900.
Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	
ozs. 30,261·91	...	...	ozs. 47·62	tons. 123,707·00	ozs. 121,106·30	...	...	zs. 75·73	tons. 160,179·00	ozs. 151,368·21	...	£ s. d.
23,145·52	·81	52·71	...	32,355·47	75,756·75	2·34	52·71	...	60,582·47	98,902·27	1·63	3 15 5½
...	...	...	...	3,093·00	861·15	·27	...	...	3,093·00	861·15	·27	
5·45	·54	...	...	94·60	27·90	·29	...	...	104·60	33·35	·31	
...	...	...	...	118·00	77·50	·65	...	...	118·00	77·50	·65	
...	...	...	...	161·00	130·99	·81	...	...	161·00	130·99	·81	
19·42	·58	...	...	36·00	27·00	·75	...	...	69·00	46·42	·67	
...	...	...	...	6·00	1·15	·19	...	...	6·00	1·15	·19	
5·85	·23	...	...	...	...	...	...	...	25·00	5·85	·23	
...	...	...	...	7·00	·95	·13	...	...	7·00	·95	·13	
...	...	...	...	30·00	19·85	·66	...	...	30·00	19·85	·66	
...	...	...	...	20·00	14·00	·70	...	...	20·00	14·00	·70	
...	
...	...	...	...	39·00	10·70	·27	...	...	39·00	10·70	·27	
337·02	2·49	...	...	1,880·50	1,649·65	·87	...	...	2,015·50	1,986·67	·98	
...	
...	...	...	...	43·00	23·50	·54	...	...	43·00	23·50	·54	
4·90	·81	...	...	140·00	34·98	·24	2·00	...	146·00	39·88	2·73	
...	...	...	...	174·00	78·50	·45	...	...	174·00	78·50	·45	
...	...	...	...	20·00	3·25	·16	...	...	20·00	3·25	·16	
...	...	...	...	17·00	6·20	·36	...	...	17·00	6·20	·36	
...	...	...	...	27·75	7·70	·27	...	...	27·75	7·70	·27	
...	...	...	...	97·00	29·13	·30	...	...	97·00	29·13	·30	
...	...	...	...	13·70	14·08	1·02	...	...	13·70	14·08	1·02	
...	...	...	...	74·00	15·00	·20	...	...	74·00	15·00	·20	
...	...	...	...	2,868·00	1,084·49	·37	...	...	2,868·00	1,084·49	·37	
427·40	·36	...	...	4,807·50	2,570·05	·53	...	...	5,990·50	2,997·45	·50	
238·65	·62	...	...	475·00	357·95	·75	...	...	857·00	596·60	·69	
...	...	...	...	857·50	582·03	·67	...	...	857·50	582·03	·67	
...	...	...	...	198·00	588·00	2·96	...	...	198·00	588·00	2·96	
...	...	...	...	70·00	79·88	1·14	...	...	70·00	79·88	1·14	
...	...	...	...	40·50	26·20	·64	...	...	40·50	26·20	·64	
117·29	1·03	...	...	773·00	1,100·30	1·42	...	...	886·00	1,217·59	1·37	
1,368·55	...	...	...	11,113·00	5,829·20	·52	...	...	11,235·00	7,197·75	·64	2 9 4
474·01	1·13	...	...	442·25	302·82	·68	...	...	861·25	776·83	·90	3 15 0
...	...	...	...	9·00	9·00	1·00	...	...	9·00	9·00	1·00	
...	...	...	...	23·00	11·85	·51	...	...	31·00	12·40	·40	
...	...	...	...	10·00	12·00	1·20	...	...	10·00	12·00	1·20	
...	...	...	...	279·00	243·38	·87	...	...	279·00	243·38	·87	
2·90	·10	...	...	...	...	...	...	2·32	29·00	2·90	·10	
...	...	4,913·45	...	110·00	53·40	·48	4,913·45	...	110·00	53·40	·48	
...	...	...	...	67·00	128·55	1·91	...	...	67·00	128·55	1·91	
94·01	·46	...	...	170·00	33·32	·19	...	...	373·00	127·33	·34	
...	...	...	...	15·00	1·40	·09	...	...	15·00	1·40	·09	
...	...	...	...	874·00	787·23	·90	...	...	881·00	790·13	·89	
2·90	·41	...	...	163·50	174·75	1·06	...	...	177·50	193·30	1·08	
18·55	1·32	...	...	14·00	6·26	·44	...	...	46·00	29·26	·63	
23·00	·71	...	...	31·00	23·27	·75	...	...	31·00	23·27	·75	
...	...	...	...	235·00	101·75	·43	...	...	235·00	101·75	·43	
...	
...	...	...	...	235·00	15·15	·06	...	...	235·00	15·15	·06	
...	...	...	...	157·00	61·15	·38	...	...	157·00	61·15	·38	
137·65	·56	...	16·50	260·00	150·40	·57	66·05	16·50	504·00	288·05	·57	3 17 6
...	...	...	...	45·00	47·30	1·05	...	...	45·00	47·30	1·05	
56,685·53	...	4,966·16	64·12	186,496·27	214,277·31	...	5,034·21	94·55	254,160·27	270,962·84	...	

TABLE IV.—Return of all

Coolgardie

COOLGARDIE

MINING CENTRE.	NUMBER OF LEASE.	REGISTERED NAME OF LEASE OR COMPANY.	Area in Acres.	PARTICULARS OF PLANT.							TOTAL FOR		
				Milling.			Cyaniding.				Alluvial.	Dollied and Specimens	Ore treated.
				Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.	ozs.				ozs.	tons.
		Brought forward ...	...	275	1	29	tons.	tons.	4	ozs. 68'05	ozs. 30'43	tons. 67,664'00
Coolgardie	3619 (3536)	King's Lynn ...	Ftd.	...	...	...	...	...	...	...	...	...
Do.	{ 18, 82, 226, 376, } 3527, 3598 }	King Solomon's G.Ms., Ltd.	a. r. p. 65 1 12	20	...	...	...	...	...	...	...	6,659'00
Do.	1598	King Solomon South G.M. Co., Ltd.	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	1010, 1528, 2321	Ladas and Foston United G.Ms., Ltd.	Ftd.	...	...	...	...	...	...	...	...	...
Do.	3732	Lady Anne ...	Wdn.	...	...	...	...	...	...	...	...	...
Do.	3724	Lady Bradley ...	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	{ 666, 1384, 2216 } 2357, 2419 } 2826, 3549 }	Lady Charlotte G.Ms., Ltd.	a. r. p. 63 3 39	10	...	...	...	...	...	...	...	3,191'00
Do.	532	Lady Emily G.M. Co., Ltd.	12	...	...	...	...	...	...	...	...	...
Do.	284, 336, 745, 1583, 3654	Lady Loch G.Ms., Ltd.	60	15	...	...	...	...	...	...	...	8,723'00
Do.	1763	Lady Mary ...	V.N.P.	...	...	...	...	...	...	...	1'47	72'00
Do.	543	Lady Maud G.Ms., Ltd.	Abd.	...	...	...	...	...	...	...	...	...
Do.	3727	Liberator ...	Ftd.	...	...	...	...	...	...	...	...	...
Do.	3793 (3727)	Liberator ...	Abd.	...	...	...	...	...	...	...	...	36'00
Do.	3556	Lily ...	6	...	...	...	...	...	...	...	...	73'00
Do.	3297	Lindsay Gordon ...	V.N.P.	...	...	...	...	...	...	...	...	15'00
Do.	808, 2232	Lindsay's Consolidated Ms. Ltd.	48	11	...	...	...	...	...	...	...	940'50
Do.	3733	Little Horseshoe ...	V.N.P.	...	...	...	...	...	...	...	...	14'00
Do.	1721	Lombard G.M. (W.A.), Ltd.	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	3837	Lucy's Luck ...	24	...	...	...	...	...	...	...	...	5'00
Do.	2286, 3096, 3502	Ludlow G.Ms., Ltd.	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	3581	Mammoth ...	Abd.	...	...	...	...	...	...	...	...	...
Do.	3704	Marion ...	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	3812 (3623)	Mary Webster ...	a. r. p. 6 3 10	...	...	...	...	...	...	21'41	...	...
Do.	23	McCulloch's Coolgardie G.M., Ltd.	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	664, 1739	McPherson's Reward G.M. Co., N.L.	Ftd.	...	...	...	...	...	...	...	...	...
Do.	3607	Messenger ...	12	...	...	...	...	...	...	...	...	542'00
Do.	188 a	Moon's Coolgardie G.M. Co., N.L.	Ftd.	...	...	...	...	...	...	...	...	...
Do.	1902	Morning Star ...	12	...	...	...	...	...	...	...	...	393'00
Do.	3701	Morning Star South ...	12	...	...	...	...	...	...	...	...	...
Do.	2597	Mountain Annette ...	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	1019	(Mt. Rowe Consolidated Mining Co., Ltd.)	...	...	...	...	...	...	...	...	...	...
Do.	1093, 2292	New Australasian G.Ms., Ltd.	27	...	...	...	...	...	...	...	...	94'50
Do.	3319, 3624	New Central Investment Corp., Ltd.	29	...	...	...	...	...	...	...	...	...
Do.	84, 1464, 2831	New Clyde G.Ms. Ltd.	a. r. p. 32 3 21	...	...	...	...	...	...	45'35	...	938'00
Do.	3484	New Zealander ...	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	3707	Norwood Gem... ..	a. r. p. 4 1 29	...	...	...	...	...	...	...	...	4'50
Do.	1867	No. 1 North Three Jolly Britons	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	207, 423	No. 2 Bailey's South ...	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	2434	Old Chum Extended ...	Ftd.	...	...	...	...	...	...	...	...	...
Do.	3697	Olive ...	12	...	...	...	...	...	...	...	...	...
Do.	3717	Olive South ...	Ftd.	...	...	...	...	...	...	...	...	35'00
Do.	3252	Perseverance Extended ...	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	1903	Phoenix ...	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	(1111), 1865	Phoenix G.Ms., Ltd.	18	10	...	...	...	...	...	...	...	1,268'00
Do.	1566	President ...	Ftd.	...	...	...	...	...	...	...	...	...
Do.	3282	Princess Midas ...	Ftd.	...	...	...	...	...	...	...	...	...
Do.	3623	Queen of Sheba ...	Ftd.	...	...	...	...	...	...	...	...	...
Do.	3476	Queen's Reign ...	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	1728	Red Jacket ...	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	1019, 3609, 3573, 3639	Richmond Consolidated Mining Co., Ltd.	a. r. p. 35 1 39	...	...	...	...	...	...	...	...	124'00
Do.	130, 215	Rita Nita Co., Ltd. (late Rita Nita Mining and Sample Milling Co., Ltd.)	18	...	...	...	...	...	...	...	...	168'50
		Carried forward ...	...	341	1	29	...	...	4	134'81	31'90	90,960'00

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

YEAR 1900.		TOTAL PREVIOUS TO 1900.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1900.		
Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	£	s.	d.
ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.			
56,685.53	...	4,966.16	64.12	186,496.27	214,277.31	...	5,034.21	94.55	254,160.27	270,962.84	...			
...	...	...	...	62.00	34.00	.54	...	...	62.00	34.00	.54			
3,335.76	.50	...	...	8,150.75	7,516.78	.92	...	...	14,809.75	10,852.54	.73	3	10	0
...	...	...	...	23.00	3.65	.15	...	...	23.00	3.65	.15			
...	...	...	...	6.00	2.40	.40	...	...	6.00	2.40	.40			
...	...	...	...	8.50	3.87	.45	...	...	8.50	3.87	.45			
...	...	...	...	7.00	11.15	1.59	...	...	7.00	11.15	1.59			
1,260.20	.39	...	...	5,396.00	4,254.54	.78	...	...	8,587.00	5,514.74	.64	3	14	6
...	...	...	...	40.00	22.15	.55	...	...	40.00	22.15	.55			
6,415.41	.73	...	...	7,253.00	9,980.05	1.37	...	...	15,976.00	16,395.46	1.02	3	13	8
16.70	.23	...	...	105.70	38.80	.36	...	1.47	177.70	55.50	.31			
...	...	...	...	24.00	13.90	.57	...	...	24.00	13.90	.57			
...	...	...	...	97.00	63.76	.65	...	...	97.00	63.76	.65			
13.00	.36	...	...	...	...	...	...	...	36.00	13.00	.36			
35.45	.48	...	...	269.75	207.18	.76	...	...	342.75	242.63	.70	3	16	6
2.25	.15	...	...	366.00	139.76	.38	...	...	381.00	142.01	.37			
535.89	.56	...	...	6,624.00	4,225.60	.63	...	...	7,564.50	4,761.49	.62	4	0	0
10.44	.74	...	...	...	...	...	...	...	14.00	10.44	.74			
...	...	...	...	75.00	35.00	.46	...	...	75.00	35.00	.46			
2.50	.50	...	...	...	...	...	...	...	5.00	2.50	.50			
...	...	...	...	100.00	11.50	.11	...	...	100.00	11.50	.11			
...	...	...	...	20.00	13.40	.67	...	...	20.00	13.40	.67			
...	...	...	...	9.00	1.25	.13	...	...	9.00	1.25	.13			
...	...	...	...	...	...	...	21.41	...	...	...	...
...	...	...	...	70.00	10.00	.14	...	...	70.00	10.00	.14			
...	...	...	...	1,631.20	1,890.42	1.15	...	...	1,631.20	1,890.42	1.15			
130.68	.24	...	...	342.00	210.25	.61	...	...	884.00	340.93	.38			
...	...	...	...	92.00	32.65	.35	...	...	92.00	32.65	.35			
517.05	1.31	...	...	357.00	590.65	1.65	...	...	750.00	1,107.70	1.47	3	18	0
...	...	...	...	250.00	35.00	.14	...	...	250.00	35.00	.14			
...	...	...	...	141.00	25.33	.17	...	...	141.00	25.33	.17			
...	...	...	...	16.00	13.00	.81	...	...	16.00	13.00	.81			
135.64	1.43	...	...	3,218.50	11,250.09	3.49	...	...	3,313.00	11,385.73	3.43	3	15	6
...	...	...	...	228.00	139.70	.61	...	...	228.00	139.70	.61			
163.16	.17	...	...	4,728.00	1,197.23	.25	45.35	...	5,666.00	1,360.39	.24			
...	...	...	...	10.00	2.65	.26	...	...	10.00	2.65	.26			
2.99	.66	...	...	9.00	5.75	.63	...	...	13.50	8.74	.64			
...	...	...	...	20.00	9.35	.46	...	...	20.00	9.35	.46			
...	...	...	...	614.00	341.80	.55	...	...	614.00	341.80	.55			
...	...	...	...	6.00	8.00	1.33	...	...	6.00	8.00	1.33			
...	...	...	...	20.00	.70	.03	...	...	20.00	.70	.03			
3.79	.10	...	...	53.00	11.05	.20	...	...	88.00	14.84	.16			
...	...	...	...	55.00	6.00	.10	...	...	55.00	6.00	.10			
...	...	...	...	53.00	26.50	.50	...	...	53.00	26.50	.50			
{ 1,173.06 } { pl. 16.00 }	.94	...	...	1,341.50	437.36	.32	...	...	2,609.50	1,626.42	.62	3	10	0
...	...	...	...	24.00	1.75	.07	...	...	24.00	1.75	.07			
...	...	...	...	19.00	14.95	.78	...	...	19.00	14.95	.78			
...	...	...	7.60	126.00	31.19	.24	...	7.60	126.00	31.19	.24			
...	...	...	...	2.00	.85	.42	...	...	2.00	.85	.42			
...	...	...	...	2.00	3.00	1.50	...	...	2.00	3.00	1.50			
165.26	1.33	...	...	641.12	625.90	.97	...	...	765.12	791.16	1.03			
97.30	.57	...	...	35.50	19.05	.53	...	...	204.00	116.35	.57			
70,718.06	...	4,966.16	71.72	229,237.79	257,796.22	...	5,100.97	103.62	320,197.79	328,514.28	...			

TABLE IV.—Return of all

Coolgardie

COOLGARDIE

MINING CENTRE.	NUMBER OF LEASE.	REGISTERED NAME OF LEASE OR COMPANY.	Area in Acres.	PARTICULARS OF PLANT.							TOTAL FOR		
				Milling.		Cyaniding.					Alluvial.	Dollied and Specimens	Ore treated.
				Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.	ozs.				ozs.	tons.
		Brought forward ...	...	341	1	29	tons.	tons.	4	134'81	31'90	90,960'00
Coolgardie	226	(Rosehill United G.M. Co., Ltd.)	...	...	...	...	...	...	...	...	...	...
Do.	3765	Rose, Thistle, and Shamrock	Wdn.	...	...	...	...	...	...	...	...	...
Do.	1839	Royal Tar	12	...	...	...	...	...	...	...	...	5'50
Do.	3537	Shamrock	12	...	...	...	...	...	...	...	2'00	...
Do.	3415/6	Sherlaw's G.M. Co., Ltd.	40	20	5	37	900	...	...	...	...	230'00
Do.	3695 (3510)	Sherlaw's No. 1 South	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	3562	Smith's Find	Ftd.	...	...	...	...	...	...	...	...	...
Do.	3690 (3587)	South King's Cross	a. r. p.	9	1	38	...	...	...	...	...	...
Do.	73	Star of the South	9	3	24	...	...	...	...	...	...	120'00
Do.	2725	Steadman's Choice	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	469	Thompson & Turney's Lease	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	1835	Tindal's Central	Ftd.	...	...	...	...	...	...	...	...	...
Do.	3561	Tindal's Consols	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	3659 (3561)	Tindal's Consols	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	33, 3824, 3830	Tindal's Coolgardie G.M. Co., N.L.	30	10	...	...	...	...	...	...	...	8,446'00
Do.	1641	Tindal's Extended	Ftd.	...	...	...	...	...	...	...	...	...
Do.	1385	Union Jack G.M. Co., N.L.	12	...	...	...	...	...	...	...	...	...
Do.	3587	United Brothers	Ftd.	...	...	...	...	...	...	...	...	...
Do.	3066	Uno	Ftd.	...	...	...	...	...	...	...	...	...
Do.	3616	Valentine	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	3663	Victoria Cross	Wdn.	...	...	...	...	...	...	...	...	...
Do.	3645 (3476)	Webster's Success	V.N.P.	...	...	...	...	...	...	...	...	37'00
Do.	...	Sundry Claims	...	...	...	...	...	...	...	...	55'00	380'85
Gibraltar	1854	De Beers	24	5	...	...	...	...	...	...	...	75'00
Do.	3621	De Beers West	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	...	Sundry Claims	...	...	...	...	...	...	...	...	...	...
Gnarlbine	3694 (3578)	Great Gnarlbine	12	...	...	...	...	...	...	...	...	55'00
Do.	3578	St. George	Ftd.	...	...	...	...	...	...	...	...	...
Do.	...	Sundry Claims	...	...	...	...	...	...	...	...	1'50	16'00
Londonderry	3714	Amber Queen	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	2706	Black Hill	Abd.	...	...	...	...	...	...	...	...	...
Do.	3586	Burbank's Eclipse	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	3832 (3586)	Burbank's Eclipse	24	...	...	...	...	...	...	...	...	8'22
Do.	3460	Cheapside	V.N.P.	...	...	...	...	...	...	...	...	26'00
Do.	3834 (3460)	Cheapside	18	...	...	...	...	...	...	...	...	43'00
Do.	3706	Federal	12	...	...	...	...	...	...	...	...	79'50
Do.	3754	Garden Gully	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	3748 (3628)	Golden Junction	V.N.P.	...	...	...	...	...	...	...	...	81'00
Do.	1889, 3490	Grosmont and Eclipse	30	...	...	...	...	...	...	...	...	80'00
Do.	3473	Gympie Jim	Ftd.	...	...	...	...	...	...	...	...	...
Do.	3628 (3473)	Gympie Jim	Abd.	...	...	...	...	...	...	...	...	...
Do.	3702	Hidden Treasure	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	3552	Lady Bell	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	3675	Latimer's Lease	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	575, 809, 1076	Londonderry G.M., Ltd.	a. r. p.	56	0	29	10	...	...	...	...	1,435'00
Do.	3770 (3675)	Mornington	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	831, 862, 963	Rome Consolidated G.Ms., Ltd.	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	3679	Roscommon	Ftd.	...	...	...	...	...	...	...	...	...
Do.	1383	Sam's Wealth of Nations	12	...	...	...	...	...	...	...	...	...
Do.	...	Gold and Explorns., Ltd.	...	...	...	...	...	...	...	...	...	...
Do.	...	Sundry Claims	...	...	...	...	...	...	...	...	...	12'00
Red Hill	3408	Boomer	12	...	...	...	...	...	...	...	...	15'00
Do.	3688	Evening Star	V.N.P.	...	...	...	...	...	...	...	...	4'00
Do.	3456	Ida May	V.N.P.	...	...	...	...	...	...	...	...	19'00
Do.	3481, 3525, 3584	Orchin G.M. Co., Ltd.	V.N.P.	10	...	...	...	...	...	...	...	...
Do.	3404, 3417, 3426	Red Hill (W.A.) Gold Syndicate, Ltd.	a. r. p.	45	1	13	10	7	...	...	...	1,285'00
Do.	3753	Sunrise	V.N.P.	...	...	...	...	...	...	...	...	20'00
Do.	3520	Telluride King	Ftd.	...	...	...	...	...	...	...	...	...
Do.	...	Sundry Claims	...	...	...	...	...	...	...	...	...	110'00
Widgiemooltha	1988/9	Bass and Flinders G.M. Co., Ltd.	Ftd.	...	...	...	...	...	...	...	...	...
Do.	3542	Bobby Dazzler	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	3696 (3542)	Bobby Dazzler	12	...	...	...	...	...	...	...	...	10'00
Do.	1630, 1959	Cardiff Castle G.M., Ltd.	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	3775	Eagle	Ftd.	...	...	...	...	...	...	...	50	5'00
Do.	3548	Flinders	12	...	...	...	...	...	...	...	...	128'00
		Carried forward	...	406	1	41	...	...	4	134'81	90'90	103,686'07

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

YEAR 1900.		TOTAL PREVIOUS TO 1900.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1900.
Gold therefrom.	Average per ton treated.	Alluvial.	Dolled and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dolled and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	
ozs.	ozs.	ozs.	ozs.	tons	ozs.	ozs.	ozs.	ozs.	tons	ozs.	ozs.	£ s. d.
70,718·06	...	4,966·16	71·72	229,237·79	257,796·22	...	5,100·97	103·62	320,197·79	328,514·28	...	
...	...	...	...	364·00	185·09	·50	...	...	364·00	185·09	·50	
...	...	...	...	12·00	5·15	·42	...	...	12·00	5·15	·42	
5·70	1·03	...	...	241·25	91·54	·37	...	...	246·75	97·24	·39	
...	...	...	2·80	124·00	18·47	·14	...	4·80	124·00	18·47	·14	
41·40	·18	...	...	9,754·00	5,639·75	·57	...	...	9,984·00	5,681·15	·56	3 6 0
...	...	...	...	10·00	2·05	·20	...	...	10·00	2·05	·20	
...	...	...	...	21·00	80·40	3·82	...	...	21·00	80·40	3·82	
...	...	...	...	30·00	5·25	·17	...	...	30·00	5·25	·17	
178·07	1·48	...	...	670·00	517·67	·77	...	...	790·00	695·74	·88	3 15 0
...	...	...	...	10·00	1·65	·16	...	...	10·00	1·65	·16	
...	...	...	...	22·00	2·80	·12	...	...	22·00	2·80	·12	
...	...	...	...	175·80	77·07	·43	...	...	175·80	77·07	·43	
...	...	...	...	172·00	42·85	·24	...	...	172·00	42·85	·24	
...	...	...	...	6·00	1·70	·28	...	...	6·00	1·70	·28	
1,457·62	·17	...	...	10,210·00	3,266·01	·31	...	...	18,656·00	4,723·63	·25	3 18 0
...	...	...	...	18·00	2·25	·12	...	...	18·00	2·25	·12	
...	...	...	...	644·50	694·52	1·07	...	...	644·50	694·52	1·07	
...	...	...	...	56·00	32·05	·57	...	...	56·00	32·05	·57	
...	...	...	...	16·00	34·40	2·15	...	...	16·00	34·40	2·15	
...	...	...	16·00	17·50	2·60	·14	...	16·00	17·50	2·60	·14	
...	...	...	...	11·00	2·30	·20	...	...	11·00	2·30	·20	
39·40	1·06	...	...	73·50	57·89	·78	...	...	110·50	97·29	·88	
131·88	...	...	...	557·10	321·21	...	...	55·00	937·95	453·09	...	
30·05	·40	...	...	3·00	4·50	1·50	...	...	78·00	34·55	·44	
...	...	...	...	10·00	3·05	·30	...	...	10·00	3·05	·30	
...	...	...	...	12·00	9·23	...	...	...	12·00	9·23	...	
90·55	1·64	...	12·50	51·25	432·30	8·43	...	12·50	106·25	522·85	4·92	4 0 8
...	...	...	...	61·00	89·50	1·47	...	...	61·00	89·50	1·47	
11·35	...	...	...	...	...	...	...	1·50	16·00	11·35	...	
...	...	...	...	58·50	20·11	·34	...	...	58·50	20·11	·34	
...	...	...	...	7·00	1·70	·24	...	...	7·00	1·70	·24	
...	...	...	...	73·92	48·60	·65	...	...	73·92	48·60	·65	
9·08	1·10	...	...	...	...	...	...	...	8·22	9·08	1·10	
31·85	1·22	...	...	368·52	353·15	·95	...	...	394·52	385·00	·97	
19·99	·46	...	...	...	...	...	...	...	43·00	19·99	·46	
23·77	·29	...	...	41·50	30·58	·73	...	...	121·00	54·35	·44	
...	...	...	...	10·00	3·00	·30	...	...	10·00	3·00	·30	
35·50	·43	...	...	109·00	51·82	·47	...	...	190·00	87·32	·45	
27·40	·34	...	...	215·00	109·52	·50	...	...	295·00	136·92	·46	
...	...	...	15·00	87·60	84·80	·96	...	15·00	87·60	84·80	·96	
...	...	...	...	68·50	43·00	·62	...	...	68·50	43·00	·62	
...	...	...	18·50	18·50	33·45	1·80	...	18·50	18·50	33·45	1·80	
...	...	...	...	50·00	21·60	·43	...	...	50·00	21·60	·43	
...	...	...	...	8·40	6·10	·72	...	...	8·40	6·10	·72	
1,069·75	·74	...	...	9,798·00	10,722·31	1·09	...	...	11,233·00	11,792·06	1·05	3 5 7
...	...	...	...	29·00	11·42	·39	...	...	29·00	11·42	·39	
...	...	...	...	30·00	10·23	·34	...	...	30·00	10·23	·34	
...	...	...	...	15·00	2·35	·15	...	...	15·00	2·35	·15	
...	...	...	...	73·00	20·00	·27	...	...	73·00	20·00	·27	
8·90	...	...	...	165·85	170·15	...	...	...	177·85	179·05	...	
25·70	1·71	...	...	30·00	119·95	3·99	...	...	45·00	145·65	3·23	
4·20	1·05	...	3·40	...	...	...	...	3·40	4·00	4·20	1·05	
39·55	2·08	...	...	22·25	54·76	2·46	...	...	41·25	94·31	2·28	
...	...	...	...	833·00	279·29	·33	...	...	833·00	279·29	·33	
1,033·70	·80	...	1,163·50	1,342·00	2,978·88	2·21	...	1,163·50	2,627·00	4,012·58	1·52	3 17 0
10·00	·50	...	...	40·00	23·00	·57	...	...	60·00	33·00	·55	
...	...	...	...	25·00	30·89	1·23	...	...	25·00	30·89	1·23	
7·23	...	...	·57	...	...	...	...	...	110·00	7·23	...	
...	...	...	...	10·00	5·50	·55	...	...	10·00	5·50	·55	
...	...	...	54·33	...	...	...	...	54·33	...	...	...
2·10	·21	...	15·50	10·00	6·80	·68	...	15·50	20·00	8·90	·44	
...	...	...	...	1,350·00	254·65	·18	...	...	1,350·00	254·65	·18	
1·25	·25	...	...	...	...	...	...	·50	5·00	1·25	·25	
73·27	·57	...	28·26	38·60	135·44	3·50	...	28·26	166·60	208·71	1·25	
75,127·32	...	4,966·16	1,402·08	267,518·83	285,052·52	...	5,100·97	1,492·98	371,204·90	360,179·84	...	

TABLE IV.—Return of all

Coolgardie

COOLGARDIE

MINING CENTRE.	NUMBER OF LEASE.	REGISTERED NAME OF LEASE OR COMPANY.	Area in Acres.	PARTICULARS OF PLANT.							TOTAL FOR		
				Milling.		Cyaniding.					Alluvial.	Dollied and Specimens	Ore treated.
				Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.	ozs.				ozs.	tons.
Brought forward ...				406	1	41	tons.	tons.	4	134·81	90·90	103,686·07	
Widgiemooltha	3745	Flinders South	V.N.P.	...	...	...	...	...	...	...	...	35·00
Do.	...	Government Public Battery	...	10	...	...	...	...	...	...	...	...
Do.	M.A. 22	Highgate Syndicate	...	...	pr 1	2	10	100	...	...	...	16·00
Do.	3280	Keep-it-dark	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	3791	Lady of the Lake	24	...	...	...	...	...	...	...	20	20·00
Do.	3794	Lefroy	Abd.	...	...	...	...	...	...	...	...	...
Do.	1840	Lefroy G.Ms., W.A., Ltd.	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	577	Lefroy Imperial G.M. Co., N.L.	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	3708	Macedon	12	...	...	...	...	...	...	...	...	120·00
Do.	3782	Meriwee	V.N.P.	...	...	...	...	...	...	...	...	37·00
Do.	3597	Monarch of the West	V.N.P.	...	...	...	...	...	...	...	...	1·50
Do.	3762	Mt. Pleasant	V.N.P.	...	...	...	...	...	...	...	...	34·00
Do.	3648	Rising Sun	6	...	...	...	...	...	...	...	7·50	55·00
Do.	3769	York Castle	12	...	...	...	...	...	...	...	3·70	150·00
Do.	...	Sundry Claims	...	...	...	...	...	...	1·40	...	...	117·35
<i>From District generally—</i>													
Sundry parcels treated at Coolgardie Ore Reduction and Cyanide Works				...	...	...	...	...	...	...	...	...
Do.	do.	Kalgoorlie Gold Recovery Works	...	...	...	...	...	...	...	...	...	...
Do.	do.	Mt. Burgess Cyanide Works	...	...	...	...	...	...	...	...	...	...
Alluvial Notices of Purchase				...	...	...	...	...	1,252·48	21·45	...	...
Total				416	2	43	...	...	4	1,388·69	123·75	104,271·92

KUNANALLING

MINING CENTRE.	NUMBER OF LEASE.	REGISTERED NAME OF LEASE OR COMPANY.	Area in Acres.	PARTICULARS OF PLANT.							TOTAL FOR		
				Milling.		Cyaniding.					Alluvial.	Dollied and Specimens	Ore treated.
				Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.	ozs.				ozs.	tons.
Balgarri	295s	Belavon	V.N.P.	...	...	...	tons.	tons.	...	ozs.	ozs.	tons.
Do.	432s	Corneuba	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	428s	Daybreak	Ftd.	...	...	...	...	...	...	...	...	...
Do.	261s	General Lee	Ftd.	...	...	...	...	...	...	...	...	...
Do.	477s	Grafter	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	471s	Great Matrix	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	536s (471s)	Great Matrix	12	...	...	...	...	...	...	...	...	40·00
Do.	500s (428s)	Gulnare	6	...	...	...	...	...	...	...	...	180·00
Do.	450s	Matrix North	Ftd.	...	...	...	...	...	...	...	...	...
Do.	469s	Merloulas	Abd.	...	...	...	...	...	...	...	...	...
Do.	590s	Paul Pry	6	...	...	...	...	...	...	...	...	10·00
Do.	(376s) 377s	Scottish Westralia, Ltd.	12	...	...	...	...	...	...	...	...	65·00
Do.	...	Stanley Battery	5	...	...	...	...	...	...	...	...	...
Do.	488s (295s)	Town Clock	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	532s (450s)	Union	Ref.	...	...	...	...	...	...	...	...	...
Do.	583s	United Australia	6	...	...	...	...	...	...	...	...	20·00
Do.	520s	Wanderer North	V.N.P.	...	...	...	...	...	...	...	...	176·00
Do.	383s	Zuleika	Abd.	...	...	...	...	...	...	...	...	...
Do.	565s (383s)	Zuleika	12	...	...	...	...	...	...	...	...	83·50
Do.	382s	Zuleika North	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	465s	Zuleika No. 1 South	Abd.	...	...	...	...	...	...	...	...	10·00
Do.	...	Sundry Claims	...	...	...	...	...	...	...	...	20·00	208·25
Barker's Find	98s	Golden Plum Consolidated G.M. Co.	V.N.P.	...	...	...	...	...	...	...	...	...
Do.	47s	Limerick G.Ms., Ltd.	V.N.P.	...	...	...	...	...	...	...	...	...
Carbine	33s	Carbine	a. r. p.	...	...	...	...	...	...	...	11·90	63·00
Do.	540s	Corney's Success	22 1 10 V.N.P.	...	...	...	...	...	...	...	...	18·50
Carried forward				5	...	...	...	...	...	...	31·90	874·25

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

YEAR 1900.		TOTAL PREVIOUS TO 1900.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1900.
Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	
75,127·32	...	4,966·16	1,402·08	267,518·83	285,052·52	...	5,100·97	1,492·98	371,204·90	360,179·84	...	£ s. d.
58·80	1·68	...	...	...	...	...	...	...	35·00	58·80	1·68	
3·66	·22	...	...	...	...	...	...	...	16·00	3·66	·22	
9·00	·45	...	...	18·00	65·01	3·61	...	...	18·00	65·01	3·61	
cy. 55·00	...	...	...	...	...	...	...	...	20·00	9·00	·45	
...	...	...	...	100·00	10·00	·10	...	...	100·00	10·00	·10	
...	...	...	...	13·00	29·85	2·29	...	...	13·00	29·85	2·29	
26·25	·21	...	...	10·00	5·25	·52	...	...	130·00	31·50	·24	
8·88	·24	...	...	...	...	...	...	...	37·00	8·88	·24	
2·38	1·58	...	...	...	...	...	...	...	1·50	2·38	1·58	
16·20	·47	...	...	...	...	...	...	...	34·00	16·20	·47	
34·50	·62	...	59·80	34·20	55·62	1·62	...	67·30	89·20	90·12	1·01	4 1 0
67·65	·45	...	...	...	...	...	...	3·70	150·00	67·65	·45	
57·84	...	...	2·00	17·00	4·70	...	1·40	2·00	134·35	62·54	...	
cy. 2,405·66	...	...	...	...	187·00	...	...	...	...	2,592·66	...	
{ cy. 7·00 }	...	...	...	...	...	...	...	...	...	11·50	...	
{ con. 4·50 }	...	...	...	...	...	...	...	...	...	...	...
cy. 1,841·38	...	...	...	...	2,467·44	...	...	...	...	4,308·82	...	
...	...	521·21	...	...	...	...	521·21	...	...	...	...
...	...	1,037·52	...	...	...	...	2,290·00	21·45	...	...	...
79,726·02	·76	6,524·89	1,463·88	267,711·03	287,877·39	1·07	7,913·58	1,587·63	371,982·95	367,603·41	·98	

DISTRICT.

YEAR 1900.		TOTAL PREVIOUS TO 1900.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1900.
Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	
...	...	...	...	48·00	51·20	1·06	...	...	48·00	51·20	1·06	£ s. d.
...	...	...	...	12·00	6·00	·50	...	...	12·00	6·00	·50	
...	...	...	...	85·45	103·60	1·21	...	...	85·45	103·60	1·21	
...	...	...	...	20·00	11·35	·56	...	...	20·00	11·35	·56	
...	...	...	...	42·00	9·04	·21	...	...	42·00	9·04	·21	
...	...	...	...	195·00	209·13	1·07	...	...	195·00	209·13	1·07	
8·27	·20	...	...	...	...	...	...	...	40·00	8·27	·20	
126·50	·70	...	...	36·20	22·62	·62	...	...	216·20	140·12	·68	3 16 9
...	...	...	...	161·00	137·43	·85	...	...	101·00	137·43	·85	
...	...	...	9·85	14·00	20·12	1·43	...	9·85	14·00	20·12	1·43	
4·85	·48	...	...	...	...	...	...	...	10·00	4·85	·48	
19·40	·29	...	...	519·00	186·00	·35	...	...	584·00	205·40	·35	
...	
...	...	...	...	18·00	11·20	·62	...	...	18·00	11·20	·62	
...	...	...	...	40·00	30·08	·75	...	...	40·00	30·08	·75	
3·05	·15	...	...	...	...	...	...	...	20·00	3·05	·15	
130·10	·73	...	...	74·00	68·15	·92	...	...	250·00	198·25	·79	
...	...	...	...	486·00	620·50	1·27	...	...	486·00	620·50	1·27	
372·95	4·46	...	...	...	...	...	...	...	83·50	372·95	4·46	3 16 0
...	...	...	...	72·50	73·30	1·01	...	...	72·50	73·30	1·01	
2·12	·21	...	...	36·00	32·05	·89	...	...	46·00	34·17	·74	
151·12	...	...	·38	10·00	11·90	...	...	20·38	218·25	163·02	...	
...	...	...	...	85·00	2·00	·02	...	...	85·00	2·00	·02	
...	...	...	...	100·00	28·00	·28	...	...	100·00	28·00	·28	
106·60	1·70	...	...	70·00	30·80	·44	...	11·90	133·00	137·40	1·03	
12·90	·69	...	...	...	...	...	...	...	18·50	12·90	·69	
937·86	...	...	10·23	2,124·15	1,664·47	...	...	42·13	2,998·40	2,602·33	...	

TABLE IV.—Return of all

Coolgardie

KUNANALLING

MINING CENTRE.	NUMBER OF LEASE.	REGISTERED NAME OF LEASE OR COMPANY.	Area in Acres.	PARTICULARS OF PLANT.							TOTAL FOR		
				Milling.		Cyaniding.					Alluvial.	Dollied and Specimens	Ore treated.
				Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.	ozs.				ozs.	tons.
		Brought forward ...					tons.	tons.		ozs.	ozs.	tons.	
				5							31.90	874.25	
Carbine	73s	Nordenfeldt G.M. Co., N.L.	12										
Do.	334s	Nordenfeldt South	V.N.P.									44.50	
Carnage	453s	Aurora	6									49.00	
Do.	43s	Carnage South	24								45.00		
Do.	548s	Cobalt	12									134.50	
Do.	574s	General French	12						173.00				
Do.	2s, 349s	Glenrock Consolidated, Ltd.	30	10								228.50	
Do.	2s	(Perry's Reef)											
Cashman's	463s	Bantam	V.N.P.									68.00	
Do.	119s, (181s)	Bunyip G.Ms., Ltd.	15	10								611.00	
Do.	115s, 355s	Dark Horse and Holland's Reward	Ftd.										
Do.	584s	Duchess of Kongwak	Abd.								8.00	12.00	
Do.	241s	Eureka	V.N.P.										
Do.	542s	Home of Hope	V.N.P.									33.00	
Do.	3s	Lady Evelyn G.Ms., Ltd.	24									1,165.00	
Do.	459s	Mystery	Ftd.										
Do.	508s (459s)	Mystery	V.N.P.									41.00	
Do.	317s	Ora Banda	V.N.P.									102.50	
Do.	452s	Ora Banda Extended	V.N.P.										
Do.	441s	Rising Star	V.N.P.										
Do.	94s	Trident	V.N.P.										
Do.	225s	Victor	V.N.P.									100.00	
Do.	456s (115s, 355s)	Virgin	12						28.00		7.88		
Do.		Sundry Claims									6.75	101.00	
Dunnsville	86s	Caroline	V.N.P.										
Do.	58s, 113s	Central Wealth of Nations, Ltd.	V.N.P.										
Do.	577s	Easter	12									17.00	
Do.	449s	Empress of the Jourdiess	Surr.										
Do.	483s (449s)	Harp of Erin	V.N.P.										
Do.	530s	Jourdie	12									82.00	
Do.	532s	Jourdie Hills Boulder	12									48.00	
Do.	503s	Madame Berry	V.N.P.									26.00	
Do.	593s (503s)	Madame Berry	12								2.45	15.00	
Do.	448s	Nil Desperandum	V.N.P.										
Do.	369s	Pride of the Jourdiess	12	8								90.08	
Do.	514s	Pride of the Jourdie North	12									82.50	
Do.	499s	Queen of the Jaudie	12									29.00	
Do.	496s	Shamrock	Ftd.										
Do.	487s	South Boulder	Ftd.										
Do.	17s, 82/3s	Wealth of Nations, Ltd.	36	20		1	5						
Do.		Sundry Claims											
Kintore	444s	British Lion	V.N.P.									8.00	
Do.	123s	Castle Hill	V.N.P.									20.00	
Do.	595s (123s)	Castle Hill	5									25.00	
Do.	454s	Castle Hill Extended	V.N.P.										
Do.	23s	Central Exploration Co. of W.A., Ltd.	V.N.P.										
Do.	64/5s	City of London G.Ms., Ltd.	31 2 33	5								1,185.00	
Do.	445s	Daisy Bell	V.N.P.									15.00	
Do.	49s, M.A. 5s	Doncaster G.Ms., Ltd.	V.N.P.										
Do.	424s	Glennmore	V.N.P.										
Do.	49s	(Golden Crest)											
Do.	256s	Goulburn Extended	Ftd.										
Do.	77s, 93s, 99s, 100s, 105s, (135s, 137s), 138s, (139s)	Great Cement Propy., Ltd.	a. r. p. 104 2 0	20								3,184.00	
Do.	93s, 99s, 135s, 137/9s	(Great Dyke and Orizaba Cement Claims, Ltd.)											
Do.	442s	Great Junction	V.N.P.									98.00	
Do.	61/2s	Hands Across the Sea G.M. Co., Ltd.	a. r. p. 21 2 36	5								80.00	
Do.	89s	Hands Across the Sea United	V.N.P.									10.00	
Do.	447s	John Bull	V.N.P.										
Do.	462s	John Bull East	V.N.P.										
Do.	405s	Kieora	Ftd.									10.50	
Do.	505s	King Bruce	Abd.										
Do.	269s	Kinross	V.N.P.										
Do.	420s	Lady Alice	V.N.P.										
Do.	414s	Lady Elizabeth	V.N.P.										
Do.	516s	Last Chance	6									16.00	
Do.	446s	Life Boat	Abd.										
Do.	77s	(Ormuz)											
		Carried forward		83		1				201.00	101.98	9,205.33	

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

YEAR 1900.		TOTAL PREVIOUS TO 1900.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1900.
Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	
tons.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	£ s. d.
937·86	...	...	10·23	2,124·15	1,664·47	...	...	42·13	2,998·40	2,602·33	...	
...	...	...	...	687·50	820·21	1·19	...	...	687·50	820·21	1·19	
83·91	1·88	...	...	354·00	581·80	1·64	...	...	398·50	665·71	1·67	3 17 6
120·57	2·46	...	25·33	51·50	303·55	5·89	...	25·33	100·50	424·12	·42	4 0 6
...	...	...	686·10	49·00	214·30	4·37	...	731·10	49·00	214·30	4·37	
156·43	1·16	...	...	...	...	...	...	...	134·50	156·43	1·16	
...	...	...	...	...	...	...	173·00	...	...	...	...
404·30	·48	...	...	180·00	132·00	·73	...	...	1,008·50	536·30	·53	3 15 9
...	...	...	...	171·50	249·00	1·45	...	...	171·50	249·00	1·45	
18·00	·26	...	2·03	62·00	67·36	1·08	...	2·03	130·00	85·36	·65	
483·90	·79	...	...	1,758·50	2,040·78	1·16	...	...	2,369·50	2,524·68	1·06	3 8 3
...	...	...	209·00	30·35	327·89	...	...	209·00	30·35	327·89	...	
12·50	1·04	...	...	...	...	...	...	8·00	12·00	12·50	1·04	
...	...	...	...	24·00	9·35	·38	...	...	24·00	9·35	·38	
32·90	·99	...	...	...	...	...	...	...	33·00	32·90	·99	
756·44	·64	...	...	1,346·40	1,491·88	1·10	...	...	2,511·40	2,245·32	·89	3 8 3
...	...	...	...	33·00	38·55	1·16	...	...	33·00	38·55	1·16	
15·60	·38	...	...	...	...	...	...	...	41·00	15·60	·38	
58·53	·57	...	...	201·50	234·79	1·16	...	...	304·00	293·32	·96	
...	...	...	...	85·00	89·00	1·04	...	...	85·00	89·00	1·04	
...	...	...	...	13·00	13·03	1·00	...	...	13·00	13·03	1·00	
...	...	...	...	100·00	32·00	·32	...	...	100·00	32·00	·32	
23·00	·23	...	...	124·15	431·23	3·47	...	...	224·15	454·23	2·02	
...	...	4·22	...	17·00	129·33	7·60	32·22	7·88	17·00	129·33	7·60	
68·34	...	...	...	15·00	6·10	...	...	6·75	116·00	74·44	...	
...	...	...	15·20	6·00	24·60	4·10	...	15·20	6·00	24·60	4·10	
...	...	...	119·92	229·00	193·84	·84	...	119·92	229·00	193·84	·84	
11·60	·68	...	...	...	...	...	...	...	17·00	11·60	·68	
...	...	...	...	43·50	15·20	·34	...	...	43·50	15·20	·34	
...	...	...	...	82·00	46·22	·56	...	...	82·00	46·22	·56	
55·29	·67	...	...	...	...	...	...	...	82·00	55·29	·67	
22·89	·47	...	...	...	...	...	...	...	48·00	22·89	·47	
31·95	1·22	...	...	...	...	...	...	...	26·00	31·95	1·22	
6·45	·43	...	...	...	...	...	...	2·45	15·00	6·45	·43	
...	...	...	...	10·00	5·00	·50	...	...	10·00	5·00	·50	
127·66	1·41	...	...	210·00	263·58	1·25	...	...	300·08	391·24	1·30	
71·00	·86	...	...	26·00	29·85	1·14	...	...	108·50	100·85	·92	
17·60	·60	...	...	...	...	...	...	...	29·00	17·60	·60	
...	...	...	...	29·00	19·15	·66	...	...	29·00	19·15	·66	
...	...	...	...	20·00	11·36	·56	...	...	20·00	11·36	·56	
...	...	...	...	13,545·00	6,509·84	·48	...	...	13,545·00	6,509·84	·48	
...	...	...	...	29·00	22·80	...	...	...	29·00	22·80	...	
9·20	1·15	...	...	51·50	83·45	1·62	...	...	59·50	92·65	1·55	
29·85	1·49	...	...	101·00	143·60	1·42	...	...	121·00	173·45	1·43	
4·75	·19	...	...	...	...	...	...	...	25·00	4·75	·19	
...	...	...	...	21·00	39·50	1·88	...	...	21·00	39·50	1·88	
...	...	...	...	10·00	5·00	·50	...	...	10·00	5·00	·50	
749·00	·63	...	...	1,123·35	1,081·97	·96	...	...	2,308·35	1,830·97	·79	3 18 0
21·22	1·41	...	...	159·50	137·87	·86	...	...	174·50	159·09	·91	
cy. 705·70 pl. 26·55	...	...	...	1,990·30	750·68	·37	...	...	1,990·30	1,482·93	·74	
...	...	...	...	98·50	169·85	1·72	...	...	98·50	169·85	1·72	
...	...	...	...	10·00	5·00	·50	...	...	10·00	5·00	·50	
...	...	...	12·90	99·30	61·31	·61	...	12·90	99·30	61·31	·61	
682·75	·21	...	...	5,742·00	1,362·52	·23	...	...	8,926·00	2,045·27	·22	3 15 0
...	...	...	...	3,537·00	1,156·48	·32	...	...	3,537·00	1,156·48	·32	
70·40	·71	...	...	246·80	315·33	1·27	...	...	344·80	385·73	1·11	
64·47	·80	...	...	2,473·00	1,994·27	·80	...	...	2,553·00	2,058·74	·80	
8·00	·80	...	...	30·00	33·00	1·10	...	...	40·00	41·00	1·02	
...	...	...	...	119·50	154·99	1·29	...	...	119·50	154·99	1·29	
...	...	...	...	70·00	117·10	1·67	...	...	70·00	117·10	1·67	
21·81	2·07	...	...	91·00	394·17	4·33	...	...	101·50	415·98	·40	
...	...	...	...	33·50	14·65	·43	...	...	33·50	14·65	·43	
...	...	...	...	24·00	24·45	1·01	...	...	24·00	24·45	1·01	
...	...	...	...	28·00	23·50	·83	...	...	28·00	23·50	·83	
...	...	...	...	9·75	9·25	·94	...	...	9·75	9·25	·94	
44·00	2·75	...	...	...	...	...	...	...	16·00	44·00	2·75	
...	...	...	...	33·00	13·10	·39	...	...	33·00	13·10	·39	
...	...	...	...	4,519·75	4,931·08	1·09	...	...	4,519·75	4,931·08	1·09	
5,954·42	...	4·22	1,080·71	42,278·80	29,040·18	...	205·22	1,182·69	51,484·13	34,994·60	...	

TABLE IV.—Return of all

Coolgardie

KUNANALLING

MINING CENTRE.	NUMBER OF LEASE.	REGISTERED NAME OF LEASE OR COMPANY.	Area in Acres.	PARTICULARS OF PLANT.							TOTAL FOR		
				Milling.		Cyaniding.					Alluvial.	Dollied and Specimens	Ore treated.
				Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.	ozs.				ozs.	tons.
		Brought forward ...		83		1	tons.	tons.		ozs.	ozs.	tons.	
Kintore...	189s	Pantomime ...	Ftd.							201-00	101-98	9,205-33	
Do.	578s (189s)	Pantomime ...	18									20-00	
Do.	491s	Sarmatea ...	V.N.P.									30-00	
Do.	472s, 490s	Sydney Mint leases ...	V.N.P.									170-00	
Do.	114s, 161s, 132s, 409s	Sugar Loaf 25-Mile Cement Leases, Ltd.	a. r. p. 55 1 2									88-00	
Do.	576s	Tom's Retreat ...	12									32-00	
Do.	100s, 105s	(W.A. Proprietary Cement Leases, Ltd.)											
Do.	489s	Welcome Sailor ...	V.N.P.										
Do.	575s	Zealandia ...	3									8-00	
Do.		Sundry Claims										28-50	
Siberia ...	319s	A. Golden ...	Ftd.										
Do.	464s	Admiral Dewey ...	V.N.P.										
Do.	544s	Aldonda ...	V.N.P.									24-00	
Do.	152s	Camperdown ...	V.N.P.										
Do.	572s	Come by Chance ...	5									17-30	
Do.	34s	Fair Adelaide ...	Ftd.									11-00	
Do.	479s, (34s)	Fair Adelaide ...	12		pr1								
Do.	470s, (319s)	Golden ...	V.N.P.										
Do.	509s	Independence ...	V.N.P.										
Do.	519s	Invincible ...	12									33-70	
Do.	W.R. 4250	Little Dot Battery ...											
Do.	567s	Lochiel ...	5		f1								
Do.	534s	Majestic ...	Abd.									5-85	
Do.	538s	Merriwee King ...	12									14-00	
Do.	106s	Mexico ...	13	5		{ 1 10 } { 2 15 }	250					98-00	
Do.	151s	Mexico Extended ...	12									251-00	
Do.	545s	Nevertire ...	12										
Do.	299s	Pole ...	12	5								59-00	
Do.	570s	Stanmore ...	12									400-00	
Do.	124s	Waverley ...	9						1-17		28-45	2-00	
Do.		Sundry Claims										220-00	
25-Mile	502s	Avondale ...	V.N.P.							33-90		16-00	
Do.	589s	Bermondsey ...	12									18-00	
Do.	439s	Big Blow ...	V.N.P.									45-00	
Do.	28s, 71s, 162s	Blackett's G.Ms., Ltd.	42	10								931-00	
Do.	11s	Brevier ...	V.N.P.										
Do.	458s (248s)	Broncho ...	12									190-00	
Do.	497s	Broncho South ...	18									154-00	
Do.	498s	Broncho North ...	12									20-00	
Do.	404s	Castle View East ...	V.N.P.										
Do.	511/3s, 522s	Catherwood G.Ms., Ltd.	33									38-00	
Do.	190s	Charles Dickens ...	V.N.P.										
Do.	15s	Albert Mines Synd., Ltd.	V.N.P.									19-00	
Do.	111s	(Emu) ...											
Do.	14s, 53s	Fremantle Consolidated G.M. Co., N.L.	V.N.P.										
Do.	12s	Gladstone Extended ...	V.N.P.										
Do.	16s	Gold Explorers, Ltd.	V.N.P.										
Do.	(526s), 568s	Golden Fremantle Co., N.L.	16									20-00	
Do.	537s	Gladstone (Lady Evelyn G.Ms., Ltd.)	V.N.P.									67-00	
Do.	539s (6s)	Lone Hand (Premier South G.M. Co., N.L.)	5									112-00	
Do.	1s, 6s	(Lone Hand G.Ms., Ltd.) ...											
Do.	248s	Multum in Parvo ...	Ftd.										
Do.	427s	Palmer ...	V.N.P.										
Do.	243s	Pearce's Find ...	12										
Do.	524s	Pearce's Kunanalling Co., N.L.	24	10									
Do.	1s	Phoenix G.Ms., Ltd.	12									537-00	
Do.	70s, 79s, 111s, 278s, 436s	Premier G.M. Co., N.L.	a. r. p. 83 3 33	25	b 2	11			2			15,649-00	
Do.	74s	(Premier South)											
Do.	74s	Premier South G.M. Co., N.L.	9									100-00	
Do.	45s	Royal Sovereign G.M. Co., Ltd.	Abd.										
Do.	586s	Shamrock ...	12									60-00	
Do.	281s	Tavenor ...	V.N.P.									30-00	
Do.	528s (439s)	Try Again ...	6								9-03	108-00	
Do.		Sundry Claims										18-00	
From District generally— Sundry parcels treated at Premier Battery ...												7-00	
Total ...				138	4	15			2	236-07	196-31	28,815-83	

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

YEAR 1900.		TOTAL PREVIOUS TO 1900.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1900.
Gold therefrom.	Average per ton treated.	Alluvial.	Dolled and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dolled and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	
ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	£ s. d.
5,954.42	...	4.22	1,080.71	42,278.80	29,040.18	...	205.22	1,182.69	51,484.13	34,994.60	...	
13.57	.67	...	...	212.00	223.00	1.05	...	...	232.00	236.57	1.01	
5.75	.19	...	...	...	...	...	...	...	30.00	5.75	.19	
...	...	...	...	66.50	719.38	...	...	...	66.50	719.38	...	
308.80	1.81	...	84.68	275.06	553.02	2.01	...	84.68	445.06	861.82	1.93	
52.77	.59	...	...	299.50	1,131.83	3.77	...	...	387.50	1,184.60	3.05	
38.90	1.21	...	...	...	...	...	...	...	32.00	38.90	1.21	
...	...	...	32.74	4,575.75	7,938.00	1.73	...	32.74	4,575.75	7,935.00	1.73	
...	...	...	...	70.50	109.35	1.55	...	...	70.50	109.35	1.55	
13.85	1.66	...	...	...	...	...	...	...	8.00	13.85	1.66	
9.55	...	...	...	10.00	32.69	...	...	...	38.50	42.24	...	
...	...	...	72.00	14.10	105.00	7.44	...	72.00	14.10	105.00	7.44	
...	...	...	...	46.50	69.55	1.49	...	...	46.50	69.55	1.49	
17.70	.73	...	...	...	...	...	...	...	24.00	17.70	.73	
...	...	...	...	.05	100.00	...	...	...	.05	100.00	...	
6.25	.56	...	...	...	...	...	...	17.30	11.00	6.25	.56	
...	...	...	...	18.00	23.45	1.30	...	...	18.00	23.45	1.30	
...	...	...	...	26.00	133.50	5.13	...	...	26.00	133.50	5.13	
...	...	...	4.00	21.00	7.30	.34	...	4.00	21.00	7.30	.34	
...	...	...	170.04	...	...	...	...	203.74	...	...	...
...	
21.60	1.54	...	...	...	...	...	...	5.85	14.00	21.60	1.54	
49.55	2.35	...	...	5.00	2.61	.52	...	...	26.00	52.16	2.00	4 1 7½
217.00	2.33	...	...	...	...	...	...	...	93.00	217.00	2.33	3 19 10½
459.96	1.85	...	...	2,223.50	4,395.81	1.97	...	...	2,474.50	4,860.29	1.93	3 16 8
{ pl. 4.52 }	...	...	...	66.00	37.90	.57	...	...	66.00	37.90	.57	
118.05	2.00	...	...	...	...	...	...	...	59.00	118.05	2.00	4 0 0
351.87	.87	...	...	550.00	634.25	1.15	...	...	950.00	986.12	1.03	3 16 0
4.50	2.25	...	...	...	...	...	1.17	28.45	2.00	4.50	2.25	
255.15	1.15	...	100.00	311.80	515.08	1.65	...	100.00	531.80	770.23	1.44	4 0 0
12.26	...	...	...	32.00	33.20	...	33.90	...	48.00	45.46	...	
9.36	.52	...	...	65.00	32.36	.49	...	...	83.00	41.72	.50	
25.18	.56	...	...	...	...	...	...	...	45.00	25.18	.56	
...	...	...	...	313.75	237.21	.75	...	...	313.75	237.21	.75	
554.60	.59	...	...	813.25	574.23	.70	...	...	1,744.25	1,128.83	.64	3 18 0
...	...	...	...	104.50	50.27	.48	...	...	104.50	50.27	.48	
165.13	.87	...	...	187.00	188.45	1.00	...	...	377.00	353.58	.93	3 17 10½
175.38	1.13	...	...	...	...	...	...	...	154.00	175.38	1.13	
14.64	.73	...	...	...	...	...	...	...	20.00	14.64	.73	
...	...	...	...	152.50	73.83	.48	...	...	152.50	73.83	.48	
13.00	.34	...	...	...	...	...	...	...	38.00	13.00	.34	
...	...	...	...	20.00	5.60	.28	...	...	20.00	5.60	.28	
23.25	1.22	...	...	50.00	33.75	.67	...	...	69.00	57.00	.82	
...	...	...	...	143.00	179.92	1.25	...	...	143.00	179.92	1.25	
...	...	...	7.00	134.00	380.50	2.83	...	7.00	134.00	380.50	2.83	
...	...	...	...	80.00	23.00	.28	...	...	80.00	23.00	.28	
...	...	...	...	95.50	54.25	.56	...	...	95.50	54.25	.56	
6.50	.32	...	...	...	...	...	...	...	20.00	6.50	.32	
22.00	.32	...	...	...	...	...	...	...	67.00	22.00	.32	
124.58	1.11	...	...	...	...	...	...	...	112.00	124.58	1.11	3 17 6
...	...	...	...	217.70	139.83	.64	...	...	217.70	139.83	.64	
...	...	...	...	55.00	68.80	1.25	...	...	55.00	68.80	1.25	
...	...	...	...	93.50	66.65	.71	...	...	93.50	66.65	.71	
...	...	...	...	33.00	71.87	2.17	...	...	33.00	71.87	2.17	
278.45	.51	...	...	...	...	...	...	...	537.00	278.45	.51	
10,963.26	.70	...	...	27,773.00	23,663.00	.85	...	...	43,422.00	34,626.26	.79	3 18 7¼
...	...	...	...	69.00	126.10	1.82	...	...	69.00	126.10	1.82	
142.15	1.42	...	...	813.00	268.98	.33	...	...	913.00	411.13	.45	
...	...	...	...	92.00	226.38	2.46	...	...	92.00	226.38	2.46	
77.00	1.28	...	...	...	...	...	...	...	60.00	77.00	1.28	
5.00	.16	...	...	...	...	...	...	...	30.00	5.00	.16	
197.30	1.82	...	...	29.00	35.89	1.23	...	9.03	137.00	233.19	1.70	
20.11	...	...	94.30	82.35	81.15	...	...	94.30	100.35	101.26	...	
9.76	...	...	...	...	...	...	...	...	7.00	9.76	...	
20,742.17	.71	4.22	1,645.47	82,518.11	72,387.12	.87	240.29	1,841.78	111,333.94	93,129.29	.83	

TABLE IV.—Return of all

Yilgarn

MINING CENTRE.	NUMBER OF LEASE.	REGISTERED NAME OF LEASE OR COMPANY.	Area in Acres.	PARTICULARS OF PLANT.							TOTAL FOR		
				Milling.			Cyaniding.				Alluvial.	Dolled and Specimens	Ore treated.
				Number Stamps	Other Mills.	Leaching Vats.	Capacity of each	Possible Monthly Output.	Filter Presses.	ozs.				ozs.	tons.
Blackbourne ...	302 ...	Royal Victoria South ...	Ftd.				tons.	tons.	ozs.	ozs.	tons.		
Golden Valley	193 ...	Kathleen ...	Ftd.										
Greenmount ...	374 ...	Ardath ...	V.N.P.										
Hope's Hill	500 ...	Australia United ...	12								60·00		
Do.	19, 52, 288, 360, 480	Hope's Hill G.M. Co., Ltd.	75	70	g 4						14,965·00		
Do.		Sundry Claims ...											
Jaccolletti ...	490 ...	Turnbull's No. 2 ...	5								170·00		
			a. r. p.										
Mt. Jackson ...	246, 450/1, 459, 460	Associated Mt. Jackson G.Ms. (W.A.), Ltd.	96 3 0								76·00		
Do.	212, 217, 233, 397, 462	Mt. Jackson G.Ms., Ltd. (1897)	55 2 30	10							2,155·00		
Mt. Rankin ...	416 ...	Mt. Rankin ...	V.N.P.										
Parker's Range	T.A. 13 ...	Cyaniding Syndicate (McIntyre, A.M.)				2	8	100					
Do.	491 ...	Enterprise ...	5								550·00		
Do.	310 ...	Good Brothers ...	Ftd.										
Do.	263 ...	Golden Key Extended	V.N.P.										
Do.	240 ...	Just in Time ...	V.N.P.										
Do.	443 ...	Lydia ...	V.N.P.										
Do.	489 ...	Queensland Consols ...	18								160·00		
Do.	216 ...	Carlyle G.M. Co. ...	V.N.P.										
Do.	250 ...	Queen of Sheba ...	V.N.P.										
Do.	485, T.A. 9	Queensland United ...	18	10	pr.1	{ 1 60 } { 1 20 }	820				158·00		
Southern Cross	473 ...	Ave Maria ...	24								25·00		
Do.	279 ...	Central ...	24	15							1,086·00		
Do.	T.A. 11 ...	Cyaniding Syndicate (McIntyre and others)				3	3	60					
Do.	456 ...	Day Dawn G.M. Co., N.L.	20								72·50		
Do.	280 ...	No. 1 Central Extended G.M. Co., N.L.	V.N.P.										
Do.	13 ...	Fraser's G.M. Co., N.L. ...	25	30	{ 6 90 } { 12 75 }	6,120					24,703·00		
Do.	29 ...	(Fraser's South G.M. Co., N.L.)		20									
Do.	256 ...	Fraser's South Extended G.M. Co., Ltd.	24	20		5	25	700			8,550·00		
Do.	448 ...	Golden Pig North ...	Ftd.										
Do.	230, 253 ...	Golden Pig leases ...	V.N.P.								830·00		
Do.	449 ...	Golden Rock ...	V.N.P.										
Do.	470 ...	Great Southern ...	18								43·00		
Do.	279 ...	Herbig's Cyanide Works ...				5	60	1,620					
Do.	501 ...	Homeward Bound ...	12								409·85		
Do.	475 ...	Perseverance ...	5		{ 7 15 } { 10 20 }	2,000							
Do.	467 ...	Southern Cross ...	V.N.P.								167·00		
Do.	454 ...	Southern Cross Boulder ...	V.N.P.										
Do.	252 ...	Tarcoola ...	V.N.P.										
Do.	276 ...	Tarcoola North ...	V.N.P.										
Do.	492 ...	Transvaal ...	24								182·00		
Do.		Sundry Claims ...									40·75		
From Goldfield generally— Sundry parcels treated at Small Horse Battery, Parker's Range													
Total				175	5	52					54,403·10		

Ore Treated, etc.—continued.

Goldfield.

YEAR 1900.		TOTAL PREVIOUS TO 1900.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1900.
Gold therefrom.	Average per ton treated.	Alluvial.	Dolled and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dolled and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	
ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	£ s. d.
...	...	...	...	84.00	52.52	.62	...	...	84.00	52.52	.62	
...	...	...	...	130.00	271.85	2.09	...	...	130.00	271.85	2.09	
...	...	...	...	75.00	21.53	.28	...	...	75.00	21.53	.28	
8.15	.13	...	...	...	...	...	...	...	60.00	8.15	.13	
3,101.90	.20	...	...	31,599.00	11,430.01	.36	...	...	46,564.00	14,531.91	.31	3 17 6
...	...	...	...	23.00	5.00	...	...	...	23.00	5.00	...	
156.55	.92	...	...	...	...	...	...	...	170.00	156.55	.92	
84.90	1.11	...	...	...	...	...	...	...	76.00	84.90	1.11	3 14 0
1,546.45	.71	...	...	7,382.00	5,887.96	.79	...	...	9,537.00	7,434.41	.77	3 6 11
...	...	...	...	56.00	26.65	.47	...	...	56.00	26.65	.47	
...	
126.80	.23	...	...	...	...	...	...	...	550.00	126.80	.23	3 9 9
...	...	...	...	35.00	24.00	.68	...	...	35.00	24.00	.68	
...	...	...	...	20.00	12.55	.62	...	...	20.00	12.55	.62	
...	...	...	...	15.00	23.65	1.57	...	...	15.00	23.65	1.57	
...	...	...	...	10.00	1.00	.10	...	...	10.00	1.00	.10	
50.00	.31	...	...	...	...	...	...	...	160.00	50.00	.31	
...	...	...	...	36.00	58.75	1.63	...	...	36.00	58.75	1.63	
...	...	...	...	2.00	1.50	.75	...	...	2.00	1.50	.75	
80.26	.50	...	...	...	256.65	...	...	...	158.00	336.91	2.13	
5.70	.22	...	...	25.00	5.93	.23	...	...	50.00	11.63	.23	
3,333.81	3.06	...	...	43,469.00	22,320.50	.51	...	...	44,555.00	25,654.31	.57	3 5 0
cy. 18.00	...	...	...	...	...	...	...	...	...	18.00	...	
9.99	.13	...	...	...	...	...	...	...	72.50	9.99	.13	
...	...	...	...	10,374.00	5,172.15	.49	...	...	10,374.00	5,172.15	.49	
13,054.89	.52	...	...	125,445.00	63,723.80	.50	...	...	150,148.00	76,778.69	.51	3 8 10
...	...	...	...	48,233.00	26,157.67	.54	...	...	48,233.00	26,157.67	.54	
6,152.35	.71	...	...	1,710.18	2,098.15	1.22	...	...	10,260.18	8,250.50	.80	3 16 2½
...	...	...	...	20.00	5.65	.28	...	...	20.00	5.65	.28	
270.00	.32	...	...	3,059.35	869.43	.28	...	...	3,889.35	1,139.43	.29	
...	...	...	...	12.00	1.73	.14	...	...	12.00	1.73	.14	
54.00	1.25	...	...	192.00	181.59	.94	...	...	235.00	235.59	1.00	3 17 10½
...	
121.52	.29	...	...	...	...	...	...	...	409.85	121.52	.29	3 15 0
cy. 800.40	...	...	...	...	...	...	...	...	...	800.40	...	
109.00	.65	...	...	...	...	...	...	...	167.00	109.00	.65	
...	...	...	...	50.00	10.75	.21	...	...	50.00	10.75	.21	
...	...	...	...	11.00	19.80	1.80	...	...	11.00	19.80	1.80	
...	...	...	...	50.00	22.65	.45	...	...	50.00	22.65	.45	
60.80	.33	...	...	...	...	...	...	...	182.00	60.80	.33	3 17 10
9.95	...	...	738.18	...	...	...	...	738.18	40.75	9.95	...	
...	...	...	...	6.00	7.00	...	...	...	6.00	7.00	...	
29,155.42	.53	...	738.18	272,123.53	138,670.42	.50	...	738.18	326,526.63	167,825.84	.51	

TABLE IV.—Return of all

Dundas

MINING CENTRE.	NUMBER OF LEASE.	REGISTERED NAME OF LEASE OR COMPANY.	Area in Acres.	PARTICULARS OF PLANT.							TOTAL FOR		
				Milling.		Cyaniding.					Alluvial.	Dolled and Specimens	Ore treated.
				Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.	ozs.				ozs.	tons.
Buldania	656	Ajax North	Ftd.				tons.	tons.		ozs.	ozs.	tons.	
Do.	515	Apsey South	Ftd.										
Do.	602	Birthday Extended	V.N.P.										
Do.	516	Birthday Gift	Ftd.										
Do.	499, 536	Buldanyer Bells leases	Ftd.										
Do.	779, (499, 536)	Buldania Bell	18									19-00	
Do.	642	Buldania Proprietary	Ftd.									30-00	
Do.	506	I.X.L.	Ftd.										
Do.	651 (515)	Mineva	V.N.P.										
Do.	522	Pathway	Ftd.									30-00	
Do.	M.A. 28	Pathway Battery			pr. 2								
Do.	815 (656)	Strathbogie	12									20-00	
Do.		Sundry Claims										45-00	
Dundas	475	Agnes Roberts	Ftd.										
Do.	362, 379	Albion leases	Ftd.										
Do.	736	Birthday Gift	V.N.P.									5-00	
Do.	717	Charlotte Simons	Wdn.										
Do.	741	Easter Gift	V.N.P.										
Do.	226	Empire	Ftd.										
Do.	807	Gem	15									44-00	
Do.	649	Just-in-Time	V.N.P.										
Do.	735	King Arthur	V.N.P.										
Do.	703 (589)	Magill	V.N.P.										
Do.	589	Magill Block	Ftd.										
Do.	4790/1, R.C. 1, M.A. 22	Majestic G.Ms., Ltd.	49	15								830-00	
Do.	4, 790/1	(Mawson's Reward Claim, Ltd.)											
Do.	680	Scotia	Ftd.										
Do.	755 (680)	Scotia	V.N.P.		pr. 1							12-00	
Do.	688	Southern Cross	Abd.										
Do.	754 (688)	Southern Cross	Wdn.										
Do.	710	Two in the Bush	Abd.										
Do.		Sundry Claims											
Killaloe	454	Killaloe	V.N.P.										
Norseman	811	Absent-minded Beggar	Wdn.									12-00	
Do.	583	Albemarle	12										
Do.	770	Alikazander	24									502-00	
Do.	39, 97	(All Nations G.Ms., Ltd.)											
Do.	789	Belmont	Ftd.								20-77	18-50	
Do.	729	Block 14 Proprietary	V.N.P.										
Do.	730	Bon Accord	Wdn.										
Do.	734 (730)	Bon Accord	V.N.P.										
Do.	571	Break o' Day	24	10		4	25	400				3,350-00	
Do.	618	Break o' Day Central	12										
Do.	612	Break o' Day South	Ftd.										
Do.	244	Canton	Ftd.										
Do.	776	Celt	Ftd.									34-00	
Do.	579, 690, 700	Cumberland G.M. Co., N.L.	60										
Do.	143	Day Dawn North Extended	a. r. p. 15 3 16									7-00	
Do.	84/5, (152) 168 (196, 228/9)	Desirable Proprietary G.Ms., W.A., Ltd.	36										
Do.	155	Eclipse	Surr.										
Do.	128	Edwards	Ftd.										
Do.	803 (128)	Edwards' Norseman	18									60-00	
Do.	275	Excelsiora Magna	V.N.P.										
Do.	660	Federal	V.N.P.										
Do.	802 (746)	Federation	12									57-50	
Do.	231	Four Jolly Smiths	Abd.										
Do.	M.A. 29	Fowler's Battery		5									
Do.	743	G.G.	V.N.P.										
Do.	706	Gift	Ftd.									20-00	
Do.	727	Glasgow	Ftd.										
Do.	376	Golden Allie	V.N.P.										
Do.	761	Golden Calf	V.N.P.									92-00	
Do.		Government Public Battery		10		4	12	225					
Do.	644	Iona	Abd.										
Do.	177	Jessie Margaret	Ftd.										
Do.	53	(John Bull)											
Do.	52, 71, 614	Kirkpatrick's Consolidated G.M. Co., N.L.	30									316-50	
Do.	693	Klondyke	V.N.P.										
Do.	712	Kyneton	Ftd.										
Do.	764	Lady Bella	a. r. p. 5 1 10									36-50	
Do.	765	Lady Bella North	6									1-00	
		Carried forward		40	3	8					20-77	5,541-50	

Ore Treated, etc.—continued.

Goldfield.

YEAR 1900.		TOTAL PREVIOUS TO 1900.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1900.		
Gold therefrom.	Average per ton treated.	Alluvial.	Dolled and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dolled and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	£	s.	d.
ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.			
...	...	...	...	11-00	11-98	1-09	...	...	11-00	11-98	1-09	...	...	...
...	...	...	...	50	7-00	...	...	...	50	7-00	...	...	...	...
...	...	...	...	10-00	2-00	20	...	...	10-00	2-00	20	...	...	...
...	...	...	...	86-80	102-58	1-18	...	...	86-80	102-58	1-18	...	...	...
...	...	...	...	144-50	237-75	1-64	...	...	144-50	237-75	1-64	...	...	...
17-00	89	...	...	...	...	...	...	...	19-00	17-00	89	...	...	...
6-95	23	...	...	18-00	7-12	39	...	...	48-00	14-07	29	...	...	...
...	...	...	...	31-75	66-00	2-07	...	...	31-75	66-00	2-07	...	...	...
...	...	...	...	17-50	16-07	91	...	...	17-50	16-07	91	...	...	...
11-50	38	...	...	...	...	...	...	...	30-00	11-50	38	...	...	...
...
11-30	56	...	...	...	...	...	...	...	20-00	11-30	56	...	...	...
37-00	...	...	...	...	...	...	...	...	45-00	37-00	...	...	...	...
...	...	...	...	20-00	14-20	71	...	...	20-00	14-20	71	...	...	...
...	...	...	...	12-23	27-95	2-28	...	...	12-23	27-95	2-28	...	...	...
4-50	90	...	...	44-00	37-75	85	...	...	49-00	42-25	86	...	...	...
...	...	...	...	12-00	3-00	25	...	...	12-00	3-00	25	...	...	...
...	...	...	...	11-00	9-45	85	...	...	11-00	9-45	85	...	...	...
...	...	...	...	46-00	9-13	19	...	...	46-00	9-13	19	...	...	...
51-10	1-16	...	...	...	...	...	...	...	44-00	51-10	1-16	3	12	6
...	...	...	...	30-00	2-00	06	...	...	30-00	2-00	06	...	...	...
...	...	...	...	4-00	1-30	32	...	...	4-00	1-30	32	...	...	...
...	...	...	...	75-00	27-58	36	...	...	75-00	27-58	36	...	...	...
...	...	...	...	25-00	26-00	1-04	...	...	25-00	26-00	1-04	...	...	...
536-75	64	...	...	...	...	...	...	...	830-00	536-75	64	...	...	...
...	...	...	...	2,973-50	1,727-29	58	...	...	2,973-50	1,727-29	58	...	...	...
...	...	...	...	70-00	31-53	45	...	...	70-00	31-53	45	...	...	...
3-43	28	...	...	15-00	5-75	38	...	...	27-00	9-18	34	...	...	...
...	...	...	...	40-00	6-25	15	...	...	40-00	6-25	15	...	...	...
...	...	...	...	40-00	2-63	06	...	...	40-00	2-63	06	...	...	...
...	...	...	...	69-00	35-63	51	...	...	69-00	35-63	51	...	...	...
...	...	...	...	7-00	7-48	...	...	...	7-00	7-48	...	...	...	...
...	...	...	...	20-65	7-75	37	...	...	20-65	7-75	37	...	...	...
9-00	75	...	...	...	...	...	...	...	12-00	9-00	75	...	...	...
...	...	...	...	370-00	841-30	2-27	...	...	370-00	841-30	2-27	...	...	...
289-52	57	...	...	...	...	...	...	...	502-00	289-52	57	3	19	6
...	...	...	...	200-00	67-60	33	...	...	200-00	67-60	33	...	...	...
62-80	3-39	...	...	6-00	60-00	...	...	20-77	24-50	122-80	5-01	3	17	10 1/2
...	...	...	4-42	88-50	110-28	1-24	...	4-42	88-50	110-28	1-24	...	...	...
...	...	...	...	37-75	57-13	1-51	...	...	37-75	57-13	1-51	...	...	...
4,465-89	1-33	...	...	134-00	108-90	81	...	...	134-00	108-90	81	...	...	...
...	...	...	...	3,414-00	6,227-13	1-82	...	...	6,764-00	10,693-02	1-58	3	17	6
...	...	...	...	5-00	5-86	1-17	...	...	5-00	5-86	1-17	...	...	...
...	...	...	...	133-15	255-51	1-91	...	...	133-15	255-51	1-91	...	...	...
...	...	...	...	6-00	2-70	45	...	...	6-00	2-70	45	...	...	...
10-90	32	...	...	...	...	...	...	...	34-00	10-90	32	...	...	...
...	...	...	...	1,349-10	2,418-81	1-79	...	...	1,349-10	2,418-81	1-79	...	...	...
8-80	1-25	...	...	...	...	...	...	...	7-00	8-80	1-25	...	...	...
...	...	...	...	4,605-00	3,925-17	85	...	...	4,605-00	3,925-17	85	...	...	...
...	...	...	...	35-00	10-45	29	...	...	35-00	10-45	29	...	...	...
...	...	...	...	898-00	1,410-07	1-57	...	...	898-00	1,410-07	1-57	...	...	...
38-88	64	...	...	...	...	...	...	...	60-00	38-88	64	3	18	6
...	...	...	...	20-00	4-00	20	...	...	20-00	4-00	20	...	...	...
...	...	...	...	40-00	6-00	15	...	...	40-00	6-00	15	...	...	...
137-62	2-39	...	...	...	...	...	...	...	57-50	137-62	2-39	3	16	3
...	...	...	...	37-00	13-23	35	...	...	37-00	13-23	35	...	...	...
...
...	...	...	...	60-00	20-65	34	...	75	60-00	20-65	34	...	...	...
3-56	17	...	...	668-00	430-13	64	...	...	688-00	433-69	63	...	...	...
...	...	...	...	34-05	29-67	87	...	...	34-05	29-67	87	...	...	...
...	...	...	...	6-25	2-15	34	...	...	6-25	2-15	34	...	...	...
74-15	80	...	...	...	...	...	...	...	92-00	74-15	80	...	...	...
...
...	...	...	...	44-50	9-50	21	...	...	44-50	9-50	21	...	...	...
...	...	...	...	24-00	4-00	16	...	...	24-00	4-00	16	...	...	...
...	...	...	...	314-00	315-15	1-00	...	...	314-00	315-15	1-00	...	...	...
282-97	89	...	...	496-00	626-92	1-26	...	...	812-00	909-89	1-12	3	16	6
...	...	...	...	15-00	11-25	75	...	...	15-00	11-25	75	...	...	...
...	...	...	...	66-00	23-65	35	...	...	66-00	23-65	35	...	...	...
9-55	26	...	...	29-00	300-90	...	...	...	65-50	310-45	4-73	...	...	...
1-85	1-85	...	3-45	...	...	...	...	...	1-00	1-85	1-85	...	...	...
6,075-02	...	...	8-62	16,969-73	19,731-28	...	...	29-39	22,511-23	25,806-30	...	...	...	...

TABLE IV.—Return of all

Dundas

MINING CENTRE.	NUMBER OF LEASE.	REGISTERED NAME OF LEASE OR COMPANY.	Area in Acres.	PARTICULARS OF PLANT.							TOTAL FOR		
				Milling.		Cyaniding.					Alluvial.	Dolled and Specimen.	Ore treated.
				Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.	ozs.				ozs.	tons.
		Brought forward ...	...	40	3	8	tons.	tons.	...	...	...	20-77	5,541-50
Norseman	49, 99, 635/6	Lady Mary leases ...	54	20	...	5	30	1,000	...	...	...	...	2,333-00
Do.	762	Lady Mary Extended ...	12	...	...	...	...	...	...	...	...	...	177-00
Do.	713	Lady Mary North ...	Ftd.	...	...	...	...	...	...	...	...	...	...
Do.	738/9	Lady Mary South G.M. Co., N.L.	36	...	...	...	...	...	...	...	...	...	20-00
Do.	725	Lady Helen ...	Wdn.	...	...	...	...	...	...	...	...	...	...
Do.	748	Lady Jean ...	Abd.	...	...	...	...	...	...	...	...	...	...
Do.	757, 800	Lady Jean leases ...	18	...	...	...	...	...	...	...	...	...	293-00
Do.	695	Lily ...	12	...	...	...	...	...	...	...	...	...	59-00
Do.	786	Little Jim ...	Wdn.	...	...	...	...	...	...	...	...	...	...
Do.	610	Little Wonder ...	Abd.	...	...	...	...	...	...	...	...	...	...
Do.	M.A. 27	Little Wonder Battery ...	...	...	pr.1	...	...	...	...	...	...	...	...
Do.	663	Lone Hand ...	Abd.	...	...	...	...	...	...	...	...	...	...
Do.	108	Lucky Hit ...	Ftd.	...	...	...	...	...	...	...	...	...	...
Do.	56	Maloney ...	Ftd.	...	...	...	...	...	...	...	...	...	...
Do.	704	Mararoa ...	24	...	...	...	...	...	...	...	...	...	820-00
Do.	53	Midas G.M. Co., N.L.	14	...	...	...	...	...	...	...	...	...	50-00
Do.	91	Middleton ...	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do.	666	Morell ...	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do.	54	Morning Star ...	Ftd.	...	...	...	...	...	...	...	...	...	...
Do.	40	Mt. Barker Extended, No. 2 North	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do.	14	Mt. Barker Reward G.M. Co., N.L.	12	...	...	...	...	...	...	...	...	...	...
Do.	42/3, 681	Mt. Benson G.M. Co., N.L.	23 1 8	10	...	2	50	400	...	...	...	...	930-00
Do.	798	Never Despair ...	5	...	...	...	...	...	...	...	...	...	112-00
Do.	639	New Chum ...	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do.	707 (98)	New Ophir ...	Abd.	...	...	...	...	...	...	...	...	...	...
Do.	145, 686	New Queensland Norseman G.M. Co., N.L.	Ftd.	...	...	...	...	...	...	...	...	...	...
Do.	16, 482, 685	(No. 1 North Norseman G.M. Co., N.L.)	...	10	...	3	36	400	...	...	...	...	...
Do.	M.A. 18	Norseman Crushing and Cyanide Works	...	10	...	3	15	380	...	...	...	...	...
Do.	{ 18/9, 20/2, 24/6, 48, 94, 101, 115/6, 138, 235/6, 239, 611	Norseman G.Ms., Ltd.	a. r. p. 86 0 8	20	62	5	70	1,500	...	...	...	...	24,331-00
Do.	15, 740	Norseman leases ...	Ftd.	...	...	...	...	...	...	...	...	...	...
Do.	731	Norseman South Bonanza ...	12	...	...	...	...	...	...	...	...	...	...
Do.	98	Ophir ...	Ftd.	...	...	...	...	...	...	...	...	...	...
Do.	648	Prince of the West ...	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do.	106, 187, 587	Princess Royal G.M. Co., N.L.	a. r. p. 51 3 12	30	...	5	100	2,000	...	...	...	...	13,071-00
Do.	634, 653	Princess Royal North G.M. Co., N.L.	24	...	...	...	...	...	...	...	...	...	20-00
Do.	187	Princess Royal South ...	18	...	...	...	...	...	...	...	...	...	...
Do.	760	Priscilla ...	Ref.	...	...	...	...	...	...	...	...	...	...
Do.	792 (740)	Priscilla ...	V.N.P.	...	...	...	...	...	...	...	...	...	68-50
Do.	390	Queen of the West ...	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do.	17, 57	Royal Dane G.M. Co., N.L.	Ftd.	...	...	...	...	...	...	...	...	...	...
Do.	785	Sovereign ...	V.N.P.	...	...	...	...	...	...	...	...	...	19-00
Do.	29, 35/6, 189, 483	St. Agnes Gold Reefs, Ltd.	Ftd.	...	...	...	...	...	...	...	...	...	...
Do.	46	St. Agnes No. 1, North-East	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do.	702	St. Patrick ...	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do.	R.C. 6	Stella May ...	...	...	...	...	...	...	...	141-13	9-00	...	58-00
Do.	44, 139	Sudden Norseman and Macedonia G.M. Co., N.L.	V.N.P. a. r. p.	...	...	...	...	...	...	...	...	...	...
Do.	88/9, 147, M.A. 10	Three Colonies leases ...	48 3 24	...	{ h1 } { c1 }	4	12	200	...	...	...	...	16-00
Do.	655	Three Kingdoms ...	Ftd.	...	...	...	...	...	...	...	...	...	...
Do.	220, 257	Three Stars (Kirkpatrick's) G.M. Co., N.L.	Ftd.	...	...	...	...	...	...	...	...	...	...
Do.	746	Tommy Adkins ...	Ftd.	...	...	...	...	...	...	...	...	...	...
Do.	768	Trump Card ...	Ftd.	...	...	...	...	...	...	...	...	...	14-00
Do.	114	Union ...	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do.	812 (114)	Union Jack ...	6	...	...	...	...	...	...	...	...	...	89-00
Do.	127	United Miners ...	V.N.P.	...	...	...	...	...	...	...	...	...	...
Do.	22, 24, 239	(United Scotchman G.M. Co., N.L.)	...	...	...	...	...	...	...	...	...	...	...
Do.	778	Viking South ...	24	...	...	...	...	...	...	...	...	...	381-00
Do.	137	Waratah ...	Ftd.	...	...	...	...	...	...	...	...	...	...
Do.	609	Waverley ...	V.N.P.	...	...	...	...	...	...	...	...	...	...
		Carried forward ...	...	140	8	35	...	...	...	141-13	29-77	...	48,403-00

Ore treated, etc.—continued.

Goldfield—continued.

YEAR 1900.		TOTAL PREVIOUS TO 1900.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1900.
Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	
ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	f. s. d.
6,075.02	...	...	8.62	16,969.73	19,731.28	...	...	29.39	22,511.23	25,806.30	...	...
1,935.55	.82	...	...	13,145.50	13,717.91	1.04	...	...	15,478.50	15,653.46	1.01	3 16 3
86.64	.49	...	...	...	...	...	...	...	177.00	86.64	.49	3 16 6
...	...	...	...	12.00	3.00	.25	...	...	12.00	3.00	.25	...
13.00	.65	...	...	230.00	141.80	.61	...	...	250.00	154.80	.61	3 13 2
...	...	...	...	6.00	3.73	.62	...	...	6.00	3.73	.62	...
...	...	...	...	22.00	1.60	.07	...	...	22.00	1.60	.07	...
373.93	1.27	...	6.00	82.00	202.17	2.46	...	6.00	375.00	576.10	1.53	3 12 6
55.50	.94	...	...	396.00	162.88	.41	...	...	455.00	218.38	.47	3 5 0
...	...	...	16.56	...	...	...	...	16.56	...	...	...	...
...	...	...	...	316.00	375.85	1.18	...	...	316.00	375.85	1.18	...
...	...	...	...	150.00	16.50	.11	...	...	150.00	16.50	.11	...
...	...	...	...	63.00	26.40	.41	...	...	63.00	26.40	.41	...
...	...	...	...	70.00	73.00	1.04	...	...	70.00	73.00	1.04	...
439.90	.53	...	...	1,303.50	916.65	.70	...	...	2,123.50	1,356.55	.63	3 0 0
30.90	.61	...	...	366.00	206.24	.56	...	...	416.00	237.14	.57	3 16 0
...	...	...	...	30.00	5.10	.17	...	...	30.00	5.10	.17	...
...	...	...	77.50	...	...	...	...	77.50	...	...	...	...
...	...	...	...	50.00	17.50	.35	...	...	50.00	17.50	.35	...
...	...	...	...	68.00	13.15	.19	...	...	68.00	13.15	.19	...
pl. 4.70	...	...	...	19.50	9.00	.46	...	...	19.50	13.70	.70	...
914.56	.98	...	...	3,551.40	3,418.23	.96	...	...	4,481.40	4,332.79	.96	3 12 7
29.65	.26	...	...	...	...	...	...	...	112.00	29.65	.26	...
...	...	...	...	6.00	1.70	.28	...	...	6.00	1.70	.28	...
...	...	...	...	38.00	24.80	.65	...	...	38.00	24.80	.65	...
...	...	...	...	90.75	32.39	.35	...	...	90.75	32.39	.35	...
...	...	...	...	2,574.00	1,524.00	.59	...	...	2,574.00	1,524.00	.59	...
...
10,821.01	.44	...	...	36,738.00	23,758.03	.64	...	...	61,069.00	34,579.04	.56	3 6 6
...	...	...	...	646.00	228.74	.35	...	...	646.00	228.74	.35	...
...	...	...	100.00	211.00	617.62	2.92	...	100.00	211.00	617.62	2.92	...
...	...	...	...	622.75	771.00	1.23	...	...	622.75	771.00	1.23	...
...	...	...	...	96.50	82.55	.85	...	...	96.50	82.55	.85	...
18,464.00	1.41	...	...	20,034.50	27,467.13	1.37	...	...	33,105.50	45,931.13	1.38	3 10 0½
32.80	1.64	...	...	...	...	...	...	...	20.00	32.80	1.64	...
...	...	...	...	358.00	640.00	1.78	...	...	358.00	640.00	1.78	...
...	...	...	...	40.00	81.70	2.04	...	...	40.00	81.70	2.04	...
35.45	.51	...	...	...	...	...	...	...	68.50	35.45	.51	...
...	...	...	2.00	119.00	255.38	2.14	...	2.00	119.00	255.38	2.14	...
cy. 97.29	...	...	...	328.00	72.25	.22	...	...	328.00	169.54	.51	...
29.15	1.53	...	...	...	...	...	...	...	19.00	29.15	1.53	...
...	...	...	...	1,834.00	1,141.07	.62	...	...	1,834.00	1,141.07	.62	...
...	...	...	...	153.50	104.45	.68	...	...	153.50	104.45	.68	...
...	...	...	...	190.90	83.84	.43	...	...	190.90	83.84	.43	...
60.04	1.03	...	...	...	...	...	141.13	9.00	58.00	60.04	1.03	...
...	...	...	...	249.00	143.00	.57	...	...	249.00	143.00	.57	...
22.27	1.39	...	...	334.00	215.60	.64	...	...	350.00	237.87	.67	...
...	...	...	...	93.25	24.30	.26	...	...	93.25	24.30	.26	...
...	...	...	...	20.00	24.00	1.20	...	...	20.00	24.00	1.20	...
...	...	...	...	28.00	7.25	.25	...	...	28.00	7.25	.25	...
5.25	.37	...	...	10.00	11.55	1.15	...	...	24.00	16.80	.70	...
...	...	...	...	819.00	410.60	.50	...	...	819.00	410.60	.50	...
120.97	1.35	...	...	...	...	...	...	...	89.00	120.97	1.35	...
...	...	...	...	.50	.35	...	...	...	.50	.35	...	...
...	...	...	...	3,322.00	3,134.70	.94	...	...	3,322.00	3,134.70	.94	...
282.60	.74	...	...	124.00	137.25	1.10	...	...	505.00	419.85	.83	...
...	...	...	...	106.00	84.31	.79	...	...	106.00	84.31	.79	...
...	...	...	...	26.00	5.50	.21	...	...	26.00	5.50	.21	...
39,930.18	...	...	210.68	106,063.28	100,127.05	...	141.13	240.45	154,466.28	140,057.23	...	...

Ore Treated, etc.—continued.

Goldfield—continued.

YEAR 1900.		TOTAL PREVIOUS TO 1900.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1900.
Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	
ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	£ s. d.
39,930·18	...	...	210·68	106,063·28	100,127·05	...	141·13	240·45	154,466·28	140,057·23	...	
...	...	...	...	29·75	8·00	·26	...	...	29·75	8·00	·26	
...	...	...	...	106·00	97·65	·92	...	1·20	106·00	97·65	·92	
6·06	·15	...	...	...	...	...	...	...	40·00	6·06	·15	
17·88	3·57	...	...	...	...	...	...	...	5·00	17·88	3·57	
165·83	...	...	18·60	537·10	308·36	...	25·00	23·11	805·60	474·19	...	
71·50	·64	...	...	3,228·00	2,581·76	·79	...	...	3,339·00	2,653·26	·79	
...	...	...	...	21·00	8·75	·41	...	...	21·00	8·75	·41	
...	...	...	...	73·00	6·00	·08	...	...	73·00	6·00	·08	
103·01	...	...	...	...	...	...	...	...	152·00	103·01	...	
cy. 576·93	...	...	...	152·50	765·60	...	...	...	152·50	1,342·53	...	
10·63	...	...	...	...	...	...	...	...	35·00	10·63	...	
...	...	142·75	...	...	...	...	142·75	...	...	...	...
40,882·02	·83	142·75	229·28	110,210·63	103,903·17	·94	308·88	264·76	159,225·13	144,785·19	·90	

oldfield.

YEAR 1900.		TOTAL PREVIOUS TO 1900.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1900.
Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	
ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	£ s. d.
...	34·00	...	...	...
...	5·00	...	...	...
...	39·00	...	...	...

*§ By-product from 11 tons Copper Ore.

Goldfield.

YEAR 1900.		TOTAL PREVIOUS TO 1900.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1900.
Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	
ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	£ s. d.
...	
46·90	·30	...	...	34·00	11·65	·34	...	...	187·00	58·55	·31	2 13 4
135·60	6·78	32·00	...	26·25	76·50	2·91	32·00	...	46·25	212·10	4·58	3 4 10
...	...	...	...	26·50	39·50	1·49	...	...	26·50	39·50	1·49	
...	...	·10	...	1·00	·61	·61	·10	...	1·00	·61	·61	
...	
...	...	...	...	111·00	65·55	·59	...	...	111·00	65·55	·59	
...	...	...	...	4·00	·13	·03	...	...	4·00	·13	·03	
270·60	1·44	...	...	105·05	299·10	2·84	...	...	292·05	569·70	1·95	3 5 0
...	...	...	...	5·00	1·00	·20	...	...	5·00	1·00	·20	
453·10	1·26	32·10	...	312·80	494·04	1·58	32·10	...	672·80	947·14	1·40	

TABLE IV.—Return of all

From Goldfields

MINING CENTRE.	NUMBER OF LEASE.	REGISTERED NAME OF LEASE OR COMPANY.	Area in Acres.	PARTICULARS OF PLANT.							TOTAL FOR			
				Milling.		Leaching Vats.	Cyaniding.				Alluvial.	Dollied and Specimens	Ore treated.	
				Number Stamps.	Other Mills.		Capacity of each.	Possible Monthly Output.	Filter Presses.					
Fremantle	Fremantle Smelting Works, Ltd.	...	...	cr. 2	...	tons.	...	...	...	ozs.	...	...	...
Northam	Sundry parcels treated at Northam Milling and Mining Works	...	60	c. 1	5	100	...	...	...	...	...	...	...
		Notices of Purchase ... ..	...	...	...	...	...	...	...	...	92·54	54·02	...	...
		Total ... ..	...	60	3	5	...	...	...	...	92·54	54·02	...	...

Ore Treated, etc.—continued.

Generally.

YEAR 1900.		TOTAL PREVIOUS TO 1900.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1900.
Gold therefrom.	Average per ton treated.	Alluvial.	Dolled and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dolled and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	
ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	£ s. d.
...	
...	1,233·90	...	...	...	...	1,233·90	...	
...	...	23·90	21·10	...	...	...	116·44	75·12	...	...	...
...	...	23·90	21·10	...	1,233·90	...	116·44	75·12	...	1,233·90	...	

TABLE

ABSTRACT of Smeltings, Concentrates,

Goldfield.	District.	Mining Centre.	Number of Leasé.	Name of Lease.	Registered Name of Company.	Smeltings.		
						tons.	ozs.	
PILBARRA	Marble Bar	Marble Bar	3, etc.	Stray Shot and Excelsior	Imperial West Australian Corporation, Ltd.	...	...
		Do. ...	Western Shaw	124, etc.	Sundry parcels treated at	Pilbarra Cyanide Syndicate
EAST MURCHISON	...	Lake Darlot	273	St. George	Lake Way Goldfields, 1899, Ltd.	...	...
		Lake Way	149, etc.	Monarch of the East	East Murchison United, Ltd.	...	...
		Do. ...	137	International	...	...	...
		Lawlers	37, etc.	...	...	...	...
MURCHISON	Cue	Cuddingwarra	634, etc.	...	Cuddingwarra G.Ms., Ltd.	...	...
		Do. ...	595, etc.	...	Victory United G.M. Co., N.L.	...	...
	Do. ...	Cue	Do. ...	1115	Deceiver	...	...
			Do. ...	1213	Deceiver North	...	...
			Do. ...	183	Leviathan	...	...
			Do. ...	1034, etc.	Lombardy leases	...	...
	Do. ...	Reedy's Find	Do. ...	1150, etc.	Princess leases	...	...
			Do. ...	1229, etc.	Pretoria	...	...
	Do. ...	Nannine	Abbots	171N	Mt. Vranizan	...	...
			Do. ...	Munara Gully	230N, etc.	After Many Years leases
Do. ...			Nannine	16N, 166N	Nannine leases	...	...
Do. ...			Do. ...	25N	Royalist Consolidated	...	...
Do. ...	Do. ...	Star of the East	174N	Sundry parcels treated at	Star of the East, Ltd.	...	...
		Do. ...	Do. ...	Do. ...	Lady Mary Cyanide Works	...	...
Do. ...	Day Dawn	Day Dawn	1d, etc.	Phoenix	Great Fingall Consolidated, Ltd.	...	...
		Do. ...	173d	Sundry parcels treated at	Day Dawn Public Battery	...	...
Do. ...	Mt. Magnet	Boogardie	264M, etc.	Eclipse Extended	...	45'00	238'85	
		Do. ...	361M	Hesperian	Australian Gold Recovery Co., Ltd.	67'00	342'00	
	Do. ...	Lennouville	Do. ...	463M	Hesperian Dawn	...	21'00	21'25
			Do. ...	190M	Jupiter	Long Reef G.M. Co., Ltd.
	Do. ...	Mt. Magnet	Do. ...	30M, etc.	Welcome	Chum Consolidated Ltd. (late Murchison New Chum G.Ms., Ltd.)
			Do. ...	57M	Sundry Claims	...	...
	Do. ...	Do. ...	Do. ...	7M, etc.	Sundry parcels treated at	Australian Gold Recovery Works
			Do. ...	314M, etc.	Morning Star leases	...	...
	YALGOO	...	Rothesay	14, etc.	Broken Mount	Woodley's G.Ms., Ltd.	8'50	12'20
			Wadgingarra	461	Broken Mount North	...	1'90	20'38
Do. ...			462	Emerald Reward Consolidated	...	...	...
Yalgoo			129	...	...	...	...
MT. MARGARET	Mt. Malcolm	Diorite King	335c, etc.	King of the Hills G.M. Co., Ltd. (late Harquahala G.M. Co.)	...	...
		Do. ...	Leonora	195c, etc.	Leonora Gold Blocks	...	...
	Do. ...	Mt. Flora	Do. ...	190c, etc.	Sons of Gwalia, Ltd.	...	...
			Do. ...	125c, etc.	Australia United Mining Co., Ltd.	...	...
	Do. ...	Randwick	Murrin Murrin	11c, etc.	Mt. Malcolm Mines, Ltd.	...	...
			Do. ...	654c (164c)	Rata	Arrow Brown Hill G.M. Co., Ltd.
Do. ...	Mt. Margaret	British Flag	592r	Craggiemore Proprietary, Ltd.	...	...
		Do. ...	806r	Lancefield G.M. Co., Ltd.	...	...
	Do. ...	Mt. Morgans	Eagle's Nest	3r	Eagle's Nest	...	...
			Do. ...	326r	Guest's G.M., Ltd.	...	...
	Do. ...	Do. ...	321r	Westralia (Mt. Morgans) G.Ms., Ltd.	...	...
NORTH COOLGARDIE	Menzies	Comet Vale	4893z, etc.	Long Tunnel leases	...	...
		Do. ...	Menzies	Alexandra	...	...
		Do. ...	Do. ...	Do. ...	4879z	Black Jack
				Do. ...	4940z	Craig-y-Nos
		Do. ...	Do. ...	Do. ...	4912z	Crown Cross
				Do. ...	4855z	Goodenough
		Do. ...	Do. ...	Do. ...	2822z	Lady Harriet
				Do. ...	2820z	Lady Shenton G.M., Ltd.
		Do. ...	Do. ...	Do. ...	4914z	Maori Chief
				Do. ...	3277z	Maranora leases
		Do. ...	Do. ...	Do. ...	4931z, etc.	Menzies Consolidated G.Ms., Ltd.
				Do. ...	2823z	Menzies Crusoe Gold Claims, Ltd.
		Do. ...	Do. ...	Do. ...	4958z, etc.	Menzies Gold Reefs Propri., Ltd.
				Do. ...	3277z, etc.	Menzies Kensington G.M. Co., N.L.
		Do. ...	Do. ...	Do. ...	2832z, etc.	Menzies Mining and Exploration Corporation, Ltd.
				Do. ...	2836z	Queensland Menzies G.M. Co. (N.L.)
		Do. ...	Do. ...	Do. ...	4883z	St. Albans
				Do. ...	4923z	True Blue South
Do. ...	Do. ...	4889z	Union Jack	...	...	
Do. ...	Do. ...	Do. ...	Sundry parcels treated at	A.C. 314z	...	...
Carried forward						...	...

V

Tailings, and Slimes during 1900.

DETAILS.						TOTALS.							
Concentrates.		Tailings.		Slimes.		Smeltings.		Concentrates.		Tailings.		Slimes.	
tons.	ozs.	tons.	ozs.	tons.	ozs.	tons.	ozs.	tons.	ozs.	tons.	ozs.	tons.	ozs.
...	...	700-00	195-00	...	...	...	...	...	...	...	...	...	...
...	...	105-00	31-75	...	...	...	...	...	...	...	...	...	...
...	...	345-00	60-16	...	...	...	...	...	...	1,150-00	286-91	...	...
...	...	55	23-00	...	...	...	...	...	...	...	...	...	...
...	...	3,334-00	1,239-28	...	...	...	...	...	...	...	...	...	...
...	...	550-00	153-00	...	...	...	...	...	...	...	...	...	...
132-00	213-15	28,899-00	10,927-41	...	...	...	...	...	...	...	...	...	...
...	...	700-00	122-80	...	...	...	...	...	...	...	...	...	...
...	...	2,650-00	1,073-37	...	...	...	...	...	...	...	...	...	...
...	...	4,010-00	1,715-26	...	...	...	...	...	...	...	...	...	...
...	...	90-00	46-85	...	...	...	...	...	...	...	...	...	...
...	...	40-00	10-55	...	...	...	...	...	...	...	...	...	...
...	...	80-00	14-37	...	...	...	...	...	...	...	...	...	...
...	...	480-00	63-00	...	...	...	...	...	...	...	...	...	...
...	...	40-00	7-85	...	...	...	...	...	...	...	...	...	...
...	...	66	2-32	...	...	...	...	...	...	...	...	...	...
...	...	5,260-00	1,000-90	...	...	...	...	...	...	...	...	...	...
...	...	1,120-00	134-45	...	...	...	...	...	...	...	...	...	...
...	...	9,440-00	1,391-85	...	...	...	...	...	...	...	...	...	...
...	...	2,410-00	529-75	...	...	...	...	...	...	23,220-06	5,461-37	...	...
...	...	840-00	150-96	...	...	...	...	...	...	...	...	...	...
...	...	4,240-00	793-10	...	...	...	...	...	...	...	...	...	...
...	...	1,932-00	404-55	...	...	...	...	...	...	...	...	...	...
...	...	1,050-00	202-76	...	...	...	...	...	...	...	...	...	...
...	...	14,510-00	1,785-60	...	...	...	...	...	...	...	...	...	...
...	...	1,820-00	299-70	...	...	...	...	...	...	...	...	...	...
...	...	2,665-00	546-48	...	...	...	...	...	...	...	...	...	...
...	...	238-00	283-30	...	...	...	...	...	...	...	...	...	...
...	...	95-00	312-45	...	...	...	...	...	...	...	...	...	...
...	...	756-00	116-90	...	...	...	...	...	...	...	...	...	...
...	...	67	10-92	...	...	...	...	...	...	...	...	...	...
12-00	12-65	15 4,600-00	1,760-45	...	...	...	...	...	...	...	...	...	...
...	...	8,250-00	3,100-90	...	...	...	...	...	...	...	...	...	...
...	...	76-00	15-00	...	...	...	...	...	...	...	...	...	...
...	...	7,556-00	2,401-15	...	...	...	...	...	...	...	...	...	...
...	133-00	602-10	12-00	12-65	21,571-67	8,001-07	...	...
3-00	9-55	...	...	...	...	...	...	...	...	...	...	...	...
...
...	...	48-00	5-85	...	...	...	...	...	...	...	...	...	...
...	10-40	32-58	3-00	9-55	48-00	5-85	...	...
...	...	1,550-00	397-00	...	...	...	...	...	...	...	...	...	...
...	...	195-00	65-10	...	...	...	...	...	...	...	...	...	...
3,722-00	5,535-60	41,400-00	14,823-95	...	...	...	...	...	...	...	...	...	...
...	...	794-00	341-00	...	...	...	...	...	...	...	...	...	...
...	...	9,365-00	2,350-92	...	...	...	...	...	...	...	...	...	...
44-00	12-57	35-00	7-00	...	...	...	...	...	...	...	...	...	...
...	...	1,615-00	582-15	...	...	...	...	...	...	...	...	...	...
...	...	3,900-00	1,393-00	...	...	...	...	...	...	...	...	...	...
...	...	6,848-00	3,215-00	...	...	...	...	...	...	...	...	...	...
...	...	4,365-00	1,124-97	...	...	...	...	...	...	...	...	...	...
...	...	4,030-00	1,653-36	...	...	...	...	...	...	...	...	...	...
...	...	11,726-00	10,090-50	...	...	...	...	...	...	...	...	...	...
...	...	168-00	80-60	...	...	...	...	...	...	...	...	...	...
1-75	1-50	...	...	...	...	...	...	...	...	...	...	...	...
...	...	60-00	30-20	...	...	...	...	...	...	...	...	...	...
...	...	40-00	8-45	...	...	...	...	...	...	...	...	...	...
...	...	120-00	41-95	...	...	...	...	...	...	...	...	...	...
...	...	80-00	49-06	...	...	...	...	...	...	...	...	...	...
...	...	146-00	181-00	...	...	...	...	...	...	...	...	...	...
...	...	260-00	65-50	...	...	...	...	...	...	...	...	...	...
98-00	220-52	11,817-00	4,005-30	...	...	...	...	...	...	...	...	...	...
...	...	120-00	49-87	...	...	...	...	...	...	...	...	...	...
...	...	251-00	119-10	...	...	...	...	...	...	...	...	...	...
293-00	583-14	11,514-00	3,288-00	...	...	...	...	...	...	...	...	...	...
...	...	120-00	7-00	...	...	...	...	...	...	...	...	...	...
...	...	2,390-00	1,072-18	220-00	93-25	...	...	...	...	...	...	...	...
...	...	60-00	28-05	...	...	...	...	...	...	...	...	...	...
75-25	89-40	2,140-00	664-44	...	...	...	...	...	...	...	...	...	...
...	...	5,694-00	4,125-90	...	...	...	...	...	...	...	...	...	...
...	...	80-00	25-00	...	...	...	...	...	...	...	...	...	...
...	...	80-00	32-95	...	...	...	...	...	...	...	...	...	...
...	...	80-00	28-41	...	...	...	...	...	...	...	...	...	...
...	...	1,160-00	276-00	...	...	...	...	...	...	...	...	220-00	93-25
...
...	143-40	634-68	4,389-00	6,884-83	231,643-28	81,156-50	220-00	93-25

1§ Includes 1,370 tons purchased tailings.

2§ Tonnage not stated.

TABLE V.—ABSTRACT of Smeltings, Concentrates.

Goldfield.	District.	Mining Centre.	Number of Lease.	Name of Lease.	Registered Name of Company.	Smeltings.			
						tons.	ozs.		
					Brought forward				
NORTH COOLGARDIE	Ularring	Callion	11u, etc.		Speakman's Mt. Callion, Ltd.				
		Do.	395u	Mulwarrie North					
		Do.	Mt. Ida	195u, etc.		Mt. Ida Consols, Ltd.			
Do.	Niagara	Niagara	41g		Britannia G.M. Co., Ltd.				
		Do.	2g, etc.		Challenge Mining and Milling Co., Ltd.				
		Do.	320g, etc.	Champion leases Sundry parcels treated at		Golden Hope Battery			
Do.	Yerilla	Edjudina	401R	Neta					
		Do.	418R	Neta Extended					
		Do.	498R	Vulcan					
	Do.	Linden	188R, etc.	Blair Athol leases					
		Do.	408R	Green Hills		Greenhill G.M. Co., Ltd.			
BROAD ARROW		Bardoc	18w, etc.	Excelsior leases					
		Black Flag	43w, etc.			Black Flag Proprietary Co., Ltd.			
		Do.	47w, etc.			Lady Bountiful G.M. Co., N.L.			
		Do.		Sundry Claims					
		Broad Arrow	40w, etc.			Gladiators, Ltd.			
		Do.	960w, etc.			Dixie G.M., Ltd.			
		Do.	2w, etc.			New Austral Co., Ltd.			
		Do.	1w, etc.		Sundry parcels treated at	Paddington Consols, Ltd. Paddington Cyan. Syndicate, Ltd.			
NORTH-EAST COOLGARDIE	Kanowna	Kanowna	35x, etc.		Ballarat & Prince Oscar Syn., Ltd.				
		Do.	367x, etc.		Golden Valley Mines of W.A., Ltd.				
		Do.	153x, etc.		Waldon's Find G.M., Ltd.				
		Do.	12x, etc.		White Feather Main Reef G.M. Co., Ltd.				
	Do.	Bulong	Bulong	683y, etc.	Ninety-Eight leases				
Do.	Kurnalpi	Jubilee	220x, etc.	Jubilee Gift leases					
		Do.	Mulgabbie		Sundry Claims				
EAST COOLGARDIE		Boulder	49E, etc.		Associated Northern Blocks, W. A. Ltd.	1,077-30	10,035-61		
		Do.	261E, etc.		Brookman Bros' Boulder G.M. Co., Ltd.				
		Do.	351E		Golden Horseshoe Estates Co., Ltd.	9,437-00	23,722-70		
		Do.	873E		Great Boulder Main Reef, Ltd.	93-00	2,270-34		
		Do.	66E		Great Boulder Perseverance, G.M. Co., Ltd.	21,399-55	20,022-52		
		Do.	16E, etc.		Great Boulder Proprietary G.M.s., Ltd.	17,196-00	11,802-29		
		Do.	410E, etc.		Hannan's Oroya G.M. Co., W.A., Ltd.	41-05	115-92		
		Do.	15E, etc.		Hannan's Star G.M.s., Ltd.				
		Do.	31E, etc.		Ivanhoe Gold Corporation, Ltd.	132-00	353-50		
		Do.	38E		Kalgoorlie Bank of England G.M. Co., Ltd.				
		Do.	73E, etc.		Kalgoorlie Mint and Iron King G.M.s., Ltd.				
		Do.	25E, etc.		Lake View Consols Ltd.	2,105-80	41,708-14		
		Do.	35E		North Boulder G.M. Co., Ltd.	2,563-90	4,069-89		
		Do.	287E, etc.		North Kalgurli G.M.s., Ltd.	3-55	78-85		
		Do.	1208E, etc.		South Kalgurli G.M.s., Ltd.				
		Do.	558E		Brown Hill Extended, Ltd.	661-00	3,071-61		
		Do.	1292E	Hannan's Britannia					
		Do.	448E, etc.		Hannan's Brown Hill G.M. Co., Ltd.	1,315-00	7,070-19		
		Do.	248E		Hannan's North G.M. Co., Ltd.				
		Do.	22E, etc.		Kalgoorlie G.M., Ltd.				
		Do.	4E	Cassidy Hill		Paringa Consolidated Mines, Ltd.			
					Sundry parcels treated at	King & Co's Smelting and Metallurgical Works			
			Do.	do.	Leviathan Filter Press and Cyan. Works				
			Do.	do.	North Boulder Battery				
			Do.	do.	Walleroo, South Australia				
COOLGARDIE	Coolgardie	Bonnievale	1552		Vale of Coolgardie G.M.s., Ltd.				
		Do.	Burbanks	134, etc.		Burbanks Birthday Gift G.M., Ltd.	71-00	406-00	
		Do.	Coolgardie	Do.	3809, etc.	Lord Bobs leases			
				Do.	133, etc.			Bayley's United G.M.s., Ltd.	
				Do.	122			Cosgrove Bayley's Reward South G.M. Co., N.L.	
				Do.	3590	Big Blow		Flagstaff Mines, Ltd.	
				Do.	20, etc.			Golden Bar G.M. Co., N.L.	
				Do.	1559, etc.			Golden Queen G.M. Co., N.L.	
				Do.	3530	King's Cross		Lanarkshire G.M.s. of Australia, Ltd.	
				Do.	666, etc.			Lady Charlotte G.M.s., Ltd.	
				Do.	1902	Morning Star			
				Do.	1865			Phoenix G.M.s., Ltd.	
		Do.	1019, etc.			Richmond Constd. Mining Co., Ltd.			
		Do.	Widgiemooltha	Do.	73	Star of the South			
				Do.	3794	Lefroy			
				Do.		Sundry parcels treated at		Coolgardie Ore Reduction and Cyanide Works	
				Do.		Do.	do.	Mt. Burgess Cyanide Works Kalgoorlie Gold Recovery Works	
							Carried forward		

Tailings, and Slimes during 1900—continued.

DETAILS.						TOTALS.							
Concentrates.		Tailings.		Slimes.		Smeltings.		Concentrates.		Tailings.		Slimes.	
tons.	ozs.	tons.	ozs.	tons.	ozs.	tons.	ozs.	tons.	ozs.	tons.	ozs.	tons.	ozs.
...	...	...	...	...	...	143.40	631.68	4,389.00	6,884.83	231,643.28	81,156.50	220.00	98.25
10.00	7.50	1,140.00	363.62	...	...	...	...	10.45	16.50	1,140.00	363.62	...	...
.45	9.00	...	...	...	...	...	...	...	...	...	...	...	...
...	...	2,606.00	691.65	...	...	...	...	...	...	3,906.00	927.25	...	...
...	...	300.00	55.00	...	...	...	...	...	...	...	...	...	...
...	...	490.00	72.00	...	...	...	...	...	...	...	...	...	...
...	...	600.00	108.60	...	...	...	...	...	...	...	...	...	...
...	...	1,365.00	584.65	...	...	...	...	...	...	2,481.00	1,369.95	...	...
...	...	120.00	75.30	...	...	...	...	...	...	...	...	...	...
...	...	60.00	7.75	...	...	...	...	...	...	...	...	...	...
...	...	140.00	68.30	...	...	...	...	...	...	...	...	...	...
...	...	796.00	538.00	...	...	...	...	...	...	...	...	...	...
...	...	25	95.95	...	...	...	...	...	...	...	...	...	...
...	...	989.00	160.60	...	...	...	...	...	...	...	...	...	...
...	...	252.00	72.63	...	...	...	...	...	...	...	...	...	...
...	...	760.00	619.50	...	...	...	...	...	...	...	...	...	...
...	...	1.25	3.91	...	...	...	...	...	...	...	...	...	...
...	...	120.00	64.58	...	...	...	...	...	...	...	...	...	...
33.50	117.35	570.00	368.00	...	...	...	...	...	...	...	...	...	...
...	...	14,793.00	3,004.80	...	...	...	...	...	...	...	...	...	...
...	...	31,970.00	6,539.91	10,900.00	1,790.21	...	...	...	...	...	...	...	...
...	...	3,558.00	480.82	...	...	...	...	...	...	...	...	...	...
...	...	170.00	8.50	...	...	...	...	33.50	117.35	53,304.25	11,314.75	10,900.00	1,790.21
25.00	28.46	126.00	11.50	...	...	...	...	...	...	...	...	...	...
...	...	13,373.00	2,071.35	...	...	...	...	...	...	...	...	...	...
...
.15	7.65	...	...	...	...	...	...	...	...	...	...	...	...
100.00	9.37	...	...	...	...	...	...	...	...	...	...	...	...
.10	2.30	... 20	24.75	...	...	...	...	...	...	...	...	...	...
...
...	...	27.00	48.00	...	...	...	...	...	...	...	...	...	...
586.80	4,146.60	40,228.00	27,674.85	19,120.00	10,099.17	...	...	...	...	...	...	...	...
15.75	440.00	11,005.00	5,950.72	336.00	150.00	...	...	...	...	...	...	...	...
817.00	1,555.75	381,090.00	14,500.51	900.00	163.86	...	...	...	...	...	...	...	...
365.00	3,084.74	91,260.00	63,813.13	...	...	...	...	...	...	...	...	...	...
...
57.40	349.43	...	...	...	...	...	...	...	...	...	...	...	...
601.00	5,939.57	79,517.00	31,235.10	9,453.00	3,566.02	...	...	...	...	...	...	...	...
...	...	1,300.00	192.00	...	...	...	...	...	...	...	...	...	...
...	...	2,858.00	2,008.22	...	...	...	...	...	...	...	...	...	...
...	...	8,614.00	4,194.45	23,575.00	11,826.15	...	...	...	...	...	...	...	...
...	...	1,952.00	1,278.03	...	...	...	...	...	...	...	...	...	...
2.63	17.60	151.00	529.87	...	...	...	...	...	...	...	...	...	...
13.00	190.00	...	...	...	...	...	...	...	...	...	...	...	...
...
... 25	1.30	94.00	44.60	...	...	...	...	...	...	...	...	...	...
329.25	7,157.72	1,535.00	313.32	...	...	...	...	...	...	...	...	...	...
...	...	160.00	11.91	...	...	...	...	...	...	...	...	...	...
5.00	25.00	...	...	...	...	...	...	...	...	...	...	...	...
26.00	97.39	150.00	37.50	...	...	...	...	...	...	...	...	...	...
...
...	...	980.00	425.26	...	...	...	...	...	...	...	...	...	...
...	...	70.00	28.30	...	...	...	...	...	...	...	...	...	...
...	...	13	32.50	...	...	...	...	...	...	...	...	...	...
...	...	12,665.00	2,248.44	...	...	56,028.15	124,319.06	2,819.06	22,955.10	270,991.13	152,343.27	53,384.00	25,805.20
...	...	11,530.00	2,470.43	...	...	...	...	...	...	...	...	...	...
...	...	33.00	25.00	...	...	...	...	...	...	...	...	...	...
47.00	245.80	22,196.00	2,293.82	9,537.00	3,682.49	...	...	...	...	...	...	...	...
...	...	1,456.00	305.60	...	...	...	...	...	...	...	...	...	...
...
19.00	28.25	...	...	...	...	...	...	...	...	...	...	...	...
...	...	8,615.00	1,349.20	...	...	...	...	...	...	...	...	...	...
...	...	165.00	53.50	...	...	...	...	...	...	...	...	...	...
...	...	216.00	19.20	...	...	...	...	...	...	...	...	...	...
70.00	211.50	...	...	...	...	...	...	...	...	...	...	...	...
...	...	60.00	15.00	...	...	...	...	...	...	...	...	...	...
...	...	3,110.00	823.91	...	...	...	...	...	...	...	...	...	...
6.53	20.26	69.00	17.00	...	...	...	...	...	...	...	...	...	...
...	...	747.00	129.50	...	...	...	...	...	...	...	...	...	...
...	...	100.00	55.00	...	...	...	...	...	...	...	...	...	...
...	...	9,970.00	2,405.66	...	...	...	...	...	...	...	...	...	...
...	...	6,272.00	1,841.38	...	...	...	...	...	...	...	...	...	...
3.00	4.50	44.00	7.00	...	...	71.00	406.00	145.53	510.31	77,268.00	14,059.64	9,537.00	3,682.49
...	...	...	...	...	...	56,242.55	125,359.74	7,522.81	30,531.87	654,402.86	263,656.08	79,041.00	31,371.15

2§ Tonnage not stated. 3§ Includes 360 tons slimes.

TABLE V.—*ABSTRACT of Smeltings, Concentrates,*

Goldfield.	District.	Mining Centre.	Number of Lease.	Name of Lease.	Registered Name of Company.	Smeltings.	
						tons.	ozs.
					Brought forward	...	...
COOLGARDIE	Kunanalling	Kintore	498	...	Doncaster G.Ms., Ltd.	...	...
		Do. Siberia	1068	...	Mexico	...	...
		Do. 25-Mile	708, etc.	...	Premier G.M. Co., N.L.	...	...
YILGARN	...	Jaccoletti	490	...	Turnbull's No. 2	...	...
		Parker's Range	485	...	Queensland United	...	...
		Southern Cross	279	...	Central	...	...
		Do.	T.A. 11	...	Cyaniding Syndicate	...	...
		Do.	13	...	...	...	...
		Do.	256	...	...	...	...
		Do.	230	...	Golden Pig	...	...
		Do.	475	...	Perseverance	...	...
		Do.	487	...	Southern Cross	...	...
		Do.	...	...	...	...	...
DUNDAS	...	Norseman	789	...	Belmont	...	...
		Do.	571	...	Break o' Day	...	...
		Do.	802	...	Federation	...	...
		Do.	49, etc.	...	Lady Mary leases	...	...
		Do.	695	...	Lily	...	...
		Do.	42, etc.	...	...	...	...
		Do.	18, etc.	...	...	...	...
		Do.	106, etc.	...	...	...	...
		Do.	653, etc.	...	...	...	...
		Do.	17, etc.	...	...	...	...
		Do.	88, etc.	...	Three Colonies leases	...	...
		Do.	...	...	Sundry parcels treated at do.	...	...
		Do.	...	...	...	...	...
					Total	...	...

Tailings, and Slimes during 1900—continued.

DETAILS.						TOTALS.							
Concentrates.		Tailings.		Slimes.		Smeltings.		Concentrates.		Tailings.		Slimes.	
tons.	ozs.	tons.	ozs.	tons.	ozs.	tons.	ozs.	tons.	ozs.	tons.	ozs.	tons.	ozs.
...	56,242.55	125,359.74	7,522.81	30,531.87	654,402.86	263,656.08	79,041.00	31,371.15
...	...	2,303.00	705.70	...	...	...	...	...	...	...	...	...	...
...	...	809.00	163.14	...	...	...	...	...	...	3,712.00	1,022.16	...	...
...	...	600.00	153.32	...	...	...	...	...	...	...	...	...	...
...	...	87.00	25.00	...	...	...	...	...	...	...	...	...	...
...	...	200.00	21.46	...	...	...	...	...	...	...	...	...	...
...	...	12,960.00	2,909.42	...	...	...	...	...	...	...	...	...	...
...	...	78.00	18.00	...	...	...	...	...	...	...	...	...	...
...	...	25,140.00	4,724.16	...	...	...	...	...	...	...	...	...	...
...	...	3,906.00	1,215.15	...	...	...	...	...	...	...	...	...	...
...	...	700.00	161.00	...	...	...	...	...	...	...	...	...	...
...	...	5,100.00	800.40	...	...	...	...	...	...	...	...	...	...
...	...	167.00	79.00	...	...	...	...	...	...	48,338.00	9,953.59	...	...
...	...	10.00	3.00	...	...	...	...	...	...	...	...	...	...
...	...	4,408.00	1,596.90	...	...	...	...	...	...	...	...	...	...
...	...	26.00	14.00	...	...	...	...	...	...	...	...	...	...
...	...	3,860.00	906.25	...	...	...	...	...	...	...	...	...	...
...	...	10.00	4.00	...	...	...	...	...	...	...	...	...	...
...	...	1,035.00	187.16	...	...	...	...	...	...	...	...	...	...
...	...	10,288.00	2,349.81	...	...	...	...	...	...	...	...	...	...
...	...	18,810.00	7,722.05	...	...	...	...	...	...	...	...	...	...
...	...	13.00	5.65	...	...	...	...	...	...	...	...	...	...
...	...	190.00	97.29	...	...	...	...	...	...	...	...	...	...
...	...	12.00	4.22	...	...	...	...	...	...	...	...	...	...
...	...	326.00	58.12	...	...	...	...	...	...	...	...	...	...
...	...	2,120.00	576.93	...	...	...	...	...	...	41,108.00	13,525.38	...	...
...
...	56,242.55	125,359.74	7,522.81	30,531.87	747,560.86	288,157.21	79,041.00	31,371.15

TABLE VI.

Return showing the average FINENESS and VALUE of Gold per oz. of each District, Goldfield, and the Colony for the Year 1900.

GOLDFIELD.		DISTRICT.	Mines supplying data.	Value of Gold per oz.	Average Fineness of Gold.	Yield from Mines supplying data.	Total Fine Gold Contents.	Value of Gold per oz.	Average Fineness of Gold.	Yield from Mines supplying data.	Total Fine Gold Contents.	Mines supplying data.	GOLDFIELD.	
				£ s. d.		ozs.	ozs.	£ s. d.		ozs.	ozs.			
1	Kimberley ... ..	...	...	...	...	...	...	3 15 0	'8828	240·15	212·00	3	Kimberley	1
2	Pilbarra	Marble Bar...	8	3 11 5½	'8412	6,399·50	5,383·62							
	Do.	Nullagine ...	6	4 1 4½	'9578	1,400·35	1,341·26							
3	West Pilbarra ... ..	...	...	...	...	...	...	3 13 3	'8622	7,799·85	6,724·88	14	Pilbarra	2
4	Ashburton ... ..	...	...	...	...	...	...	3 9 5½	'8173	482·38	394·28	2	West Pilbarra	3
5	Gascoyne ... ..	...	...	...	...	...	...	...	...	...	...	...	Ashburton	4
6	Peak Hill ... ..	...	...	...	...	...	...	4 0 6	'9474	25,911·74	24,550·44	5	Gascoyne	5
7	East Murchison ... ..	...	...	...	...	...	...	3 15 8	'8907	59,698·49	52,174·29	20	Peak Hill	6
8	Murchison	Cue	17	3 17 6½	'9125	11,528·05	10,519·77						East Murchison	7
	Do.	Nannine ...	10	3 12 11¼	'8589	22,587·54	19,402·55							
	Do.	Day Dawn ...	7	3 11 10¼	'8457	13,478·22	11,399·71							
	Do.	Mt. Magnet	21	3 17 6½	'9127	33,745·26	30,802·22							
9	Yalgoo ... ..	...	...	...	...	...	...	3 15 4	'8867	81,339·07	72,124·25	55	Murchison	8
10	Mt. Margaret	Mt. Malcolm	22	3 14 0	'8710	86,511·46	75,354·75	3 13 11½	'8706	9,529·98	8,297·36	10	Yalgoo	9
	Do.	Mt. Margaret	22	3 13 10¼	'8699	48,146·77	41,885·76							
11	North Coolgardie	Menzies ...	18	3 10 1	'8249	46,215·12	38,126·77	3 13 11½	'8706	134,658·23	117,240·51	44	Mount Margaret	10
	Do.	Ularring ...	23	3 14 7	'8778	13,186·31	11,575·11							
	Do.	Niagara ...	15	3 15 8¾	'8914	23,934·82	21,335·02							
	Do.	Yerilla ...	11	3 14 11¼	'8819	5,062·65	4,465·14							
12	Broad Arrow ... ..	...	...	...	...	...	...	3 12 6¾	'8541	88,398·90	75,502·04	67	North Coolgardie	11
13	North-East Coolgardie	Kanowna ...	18	3 13 11	'8700	19,502·71	16,967·79	3 10 4¾	'8285	42,437·58	35,159·54	14	Broad Arrow	12
	Do.	Bulong ...	5	3 16 1¼	'8958	12,156·30	10,889·69							
	Do.	Kurnalpi ...	2	3 4 11	'7642	323·41	247·16							
14	East Coolgardie ... ..	...	...	...	...	...	...	3 14 7¾	'8787	31,982·42	28,104·64	25	North-East Coolgardie	13
15	Coolgardie	Coolgardie ...	23	3 13 11¼	'8703	70,376·15	61,253·82	3 15 9	'8915	716,895·28	639,168·33	30	East Coolgardie	14
	Do.	Kunanalling	19	3 17 5¾	'9118	17,043·99	15,541·40							
16	Yilgarn ... ..	...	...	...	...	...	...	3 14 7½	'8784	87,420·14	76,795·22	42	Coolgardie	15
17	Dundas ... ..	...	...	...	...	...	...	3 10 7¾	'8316	27,637·42	23,084·49	10	Yilgarn	16
18	Phillips River ... ..	...	...	...	...	...	...	3 10 4¾	'8284	38,484·49	31,883·47	17	Dundas	17
19	Donnybrook ... ..	...	...	...	...	...	...	3 3 8¾	'7500	453·10	339·95	3	Phillips River	18
													Donnybrook	19
								3 14 9¾	'8805	1,353,369·22	1,191,755·69	361		

Average value per ounce, 1900, of Western Australian gold, £3 14s. 9½d.

NOTE.—Taking the average fineness of Western Australian Gold as '8905, the output of 1,580,950 ounces, as shown by the Export and Mint Returns, would give the output of the Colony for 1900 as 1,322,026 ounces fine; and the amount of 1,513,917 ounces, reported to the Mines Department, as 1,333,004 ounces fine.

TABLE VII.

Return of Gold received at the Perth Branch of the ROYAL MINT from May, 1899, to 31st December, 1900, showing the Quantity obtained from the respective Goldfields and other Countries.

Year.	Month.	Kimberley.	Pilbarra.	West Pilbarra.	Ashburton.	Gascoyne.	Peak Hill.	East Murchison.	Murchison.	Yalgoo.	Mt. Margaret.	North Coolgardie.	Broad Arrow.	North-East Coolgardie.
1899	...	ozs. 308'45	ozs. 529'80	ozs. ...	ozs. 281'80	ozs. 85'65	ozs. 16,274'00	ozs. 3,758'07	ozs. 24,675'64	ozs. 5,190'05	ozs. 16,911'54	ozs. 44,779'88	ozs. 8,503'50	ozs. 16,700'90
1900	January ...	173'37	118'96	...	73'33	...	...	812'79	2,108'65	531'68	2,759'76	6,683'73	1,190'31	1,846'24
	February ...	32'53	...	...	61'35	...	...	592'37	3,948'14	462'38	2,809'22	6,157'08	1,230'76	3,543'88
	March ...	18'04	48'82	...	68'08	...	1,968'46	3,924'97	4,053'64	446'49	4,108'48	6,262'41	335'79	2,848'21
	April ...	...	...	...	...	...	39'18	214'54	3,835'30	692'01	4,696'71	5,984'81	965'12	4,016'62
	May ...	37'71	764'50	8'50	61'27	...	127'51	1,370'04	2,911'97	752'82	5,184'94	6,181'31	1,589'63	3,419'78
	June ...	169'52	154'90	...	74'07	24'24	4,114'69	5,362'04	5,087'63	779'00	4,406'68	7,327'62	153'29	3,767'41
	July ...	...	1,398'20	...	48'12	...	2,544'72	1,353'69	3,500'63	1,010'51	8,233'56	6,698'97	1,060'09	3,443'96
	August ...	22'79	1,549'04	...	27'04	14'09	2,095'86	1,707'08	3,689'58	838'30	6,991'19	8,227'82	1,422'40	4,391'91
	September ...	...	617'40	...	32'52	20'61	2,313'15	6,183'76	5,506'21	827'09	7,891'76	8,505'07	1,448'02	3,689'64
	October ...	75'54	369'41	...	28'48	...	1,502'07	3,496'97	3,732'43	1,033'33	6,637'79	7,969'60	1,791'77	3,348'32
	November ...	22'45	2,277'40	128'83	...	...	1,753'39	4,156'61	5,322'05	884'82	7,089'16	9,546'65	1,382'95	2,778'51
	December ...	92'07	205'25	...	...	...	1,590'05	2,934'88	4,843'89	595'09	6,939'80	9,113'07	1,535'97	3,405'64
	Total ...	952'47	8,023'68	137'33	756'06	171'75	34,293'08	35,807'81	73,215'76	14,041'57	84,659'99	133,467'52	22,879'60	57,204'02

Year.	Month.	East Coolgardie.	Coolgardie.	Yilgarn.	Dundas.	Donnybrook.	Goldfields generally.	Total.				Grand Total.		
								Western Australia.		Other Countries.				
								Quantity.	Actual Value.	Quantity.	Actual Value.	Quantity.	Actual Value.	
1899	...	ozs. 33,051'33	ozs. 27,611'24	ozs. 9,070'70	ozs. 473'63	ozs. 196'17	ozs. 904'39	ozs. 209,306'24	£ 762,546	s. d. 11 6	ozs. 103'46	£ 336 18 3	ozs. 209,409'70	£ 762,833 9 9
1900	January ...	5,936'67	3,483'13	2,565'47	360'63	110'60	28,754'72	102,166 17 0	...	...	...	...	28,754'72	102,166 17 0
	February ...	7,312'29	2,384'90	1,608'34	811'34	19'18	31,486'37	114,168 19 10	...	...	...	...	31,486'37	114,168 19 10
	March ...	22,311'21	4,070'70	1,780'93	1,189'33	...	53,524'20	186,384 3 4	2'45	9 9 3	...	...	53,526'65	196,393 12 7
	April ...	6,646'17	3,714'57	1,612'25	3,165'03	64'50	35,046'81	129,370 13 1	...	...	...	...	35,046'81	129,370 13 1
	May ...	7,078'42	3,432'12	1,694'38	2,878'72	171'70	38,464'72	136,968 9 10	...	...	...	...	38,464'72	136,968 9 10
	June ...	11,133'28	3,418'55	1,922'76	3,491'60	184'24	51,561'52	189,140 12 7	...	...	...	...	51,561'52	189,140 12 7
	July ...	10,612'12	4,226'68	2,112'07	3,129'24	43'34	49,408'90	180,895 14 0	...	...	...	...	49,408'90	180,895 14 0
	August ...	13,609'17	5,736'93	4,317'59	3,200'83	35'23	57,886'85	208,342 1 9	15'04	35 6 4	...	...	57,901'89	208,377 8 1
	September ...	11,624'02	5,676'97	2,623'17	3,528'57	91'31	60,579'27	218,043 17 0	...	...	...	...	60,579'27	218,043 17 0
	October ...	8,648'03	4,212'27	2,517'20	3,087'68	199'42	48,724'24	175,246 3 0	...	...	...	...	48,724'24	175,246 3 0
	November ...	15,033'10	5,769'43	3,237'43	3,920'74	72'60	63,376'12	225,810 0 7	...	...	...	...	63,376'12	225,810 0 7
	December ...	19,311'12	5,481'01	2,458'92	2,819'49	46'95	61,769'19	219,655 2 2	...	...	...	...	61,769'19	219,655 2 2
	Total ...	172,896'93	79,218'50	37,719'21	32,056'83	461'72	2,525'32	790,439'15	2,858,759 5 8	...	120'95	381 13 1	790,610'10	2,859,140 19 6

TABLE VIII.

Return showing the Quantity of Gold entered for EXPORT from the respective Goldfields of the Colony to the 31st December, 1900, and the Estimated Value thereof.

Year.	Month.	Kimberley.	Pilbarra.	† West Pilbarra.	Ashburton.	‡ Gascoyne.	§ Peak Hill.	¶ East Murchison.	Murchison.	‡‡ Yalgoo.	§§ Mount Margaret.	¶¶ North Coolgardie.
		ozs.	ozs.	ozs.	ozs.	ozs.	ozs.	ozs.	ozs.	ozs.	ozs.	ozs.
Previous to 1899	...	24,215·30	134,897·05	2,028·27	4,290·42	...	18,846·85	49,017·16	413,896·63	5,790·61	51,952·42	162,341·95
1899	...	814·36	19,996·40	1,955·51	239·50	333·07	15,721·34	37,811·59	68,842·39	5,689·53	64,905·53	60,909·38
1900	January	...	1,949·06	120·98	...	...	2,701·75	2,785·57	3,675·16	213·98	4,848·74	5,330·66
Do.	February	32·60	...	...	8·60	...	...	1,209·29	4,679·68	153·75	8,624·02	1,612·81
Do.	March	...	3,461·05	49·43	17·34	...	2,819·75	2,820·21	6,510·97	24·59	4,822·60	1,921·39
Do.	April	...	...	...	...	...	2,102·30	2,460·56	3,096·81	...	5,171·24	965·70
Do.	May	...	1,353·68	36·20	...	...	2,895·20	2,366·43	4,911·60	...	4,910·91	1,712·52
Do.	June	...	...	...	13·75	...	2·95	...	5,323·85	...	7,790·94	1,224·22
Do.	July	...	1,280·77	286·42	...	...	79·84	1,988·73	4,858·33	...	5,502·32	1,411·08
Do.	August	...	...	...	10·41	...	...	3,264·78	5,455·13	...	6,838·87	970·49
Do.	September	...	1,602·07	91·32	...	...	2·63	2,016·17	3,138·11	...	7,662·15	835·08
Do.	October	...	...	...	...	...	...	2,370·36	3,450·26	124·73	6,487·11	523·79
Do.	November	...	...	...	...	...	46·36	2,455·50	6,644·76	...	6,026·11	480·24
Do.	December	...	...	...	...	...	...	2,582·16	8,411·80	...	5,089·54	517·26
	Total	25,062·26	164,540·08	4,568·13	4,580·02	333·07	45,218·97	113,148·51	542,895·48	11,997·19	190,632·50	240,756·57

Year.	Month.	†† Broad Arrow.	§§ North-East Coolgardie.	¶¶ East Coolgardie.	‡‡ Coolgardie.	Yilgarn.	§§ Dundas.	¶¶ Donnybrook.	Goldfields generally.	Total.	§ Value.
		ozs.	ozs.	ozs.	ozs.	ozs.	ozs.	ozs.	ozs.	ozs.	£ s. d.
Previous to 1899	...	28,790·71	162,259·49	835,636·57	531,104·38	211,424·88	56,311·19	...	...	2,692,803·88	10,232,654 14 10
1899	...	36,020·79	64,470·28	890,566·37	113,558·84	7,734·34	44,691·32	309·94	...	1,434,570·48	5,451,367 16 6
1900	January	4,112·19	3,027·65	69,094·40	8,158·75	3·00	2,766·66	...	6,276·58	115,065·13	437,247 9 11
Do.	February	3,794·11	3,175·90	54,045·52	7,334·98	360·05	1,331·54	...	...	86,362·85	328,178 16 7
Do.	March	3,392·01	1,539·96	34,011·06	9,490·55	20·90	1,623·49	...	...	72,525·30	275,596 2 10
Do.	April	3,133·69	547·16	55,063·33	4,679·84	21·00	617·85	...	...	77,859·48	295,866 0 6
Do.	May	2,951·39	506·11	54,201·88	5,349·17	7·88	641·84	...	...	81,847·81	311,021 13 7
Do.	June	2,170·78	411·84	61,959·75	6,183·65	...	123·99	...	...	85,205·72	323,781 14 9
Do.	July	1,219·88	511·93	40,777·86	5,934·56	194·20	147·04	...	...	64,192·96	243,933 4 11
Do.	August	1,568·76	475·57	49,969·54	4,787·15	112·15	145·86	...	...	73,598·71	279,675 1 11
Do.	September	2,421·51	605·13	62,501·52	6,421·92	17·07	411·51	...	...	87,726·19	333,359 10 5
Do.	October	2,897·49	410·22	64,188·35	3,802·07	...	307·34	...	...	84,561·72	321,334 10 9
Do.	November	3,001·67	222·76	60,974·51	2,945·61	12·60	448·84	...	...	83,258·96	316,384 0 11
Do.	December	2,818·01	191·77	64,273·46	3,085·95	20·74	538·40	...	33·35	87,562·44	332,737 5 5
	Total	98,295·99	238,355·77	2,397,264·12	712,837·42	219,928·81	110,106·87	309·94	6,309·93	5,127,141·63	19,483,138 3 10

§ Valuation at 23 16s. per oz. † Prior to 1st May, 1893, included with Pilbarra. ‡ Prior to 1st March, 1899, included with Ashburton. § From 1st August, 1897. ¶ Prior to 1st April, 1897, included with Murchison. †† Prior to 1st May, 1896, included with Coolgardie. ‡‡ From 1st September, 1897. ††† Declared 5th April, 1894, to which date included with Yilgarn. §§ Prior to 1893, included with Yilgarn. ¶¶ From 1st March, 1899.

TABLE IX.

Return of Gold, the produce of the Colony, entered for EXPORT, and received at the Perth Branch of the ROYAL MINT, from 1st January, 1886, to 31st December, 1900, showing the Quantity obtained, year by year, from the respective Goldfields, and the Estimated Total Annual Value.

Year.	Kimberley.	Pilbarra.	1† West Pilbarra.	Ashburton.	2‡ Gascoyne.	3‡ Peak Hill.	3East Murchison.	Murchison.	4† Yalgoo.	5† Mt. Margaret.	5† North Coolgardie.	6† Broad Arrow.
1886	ozs. 302-00	...	...	...	...	...	...	...	...	...	...	...
1887	4,873-00	...	...	...	...	...	...	...	...	...	...	...
1888	3,493-00	...	...	...	...	...	...	...	...	...	...	...
1889	2,464-00	11,170-00	...	...	...	...	...	...	...	...	...	...
1890	4,474-00	16,055-31	...	...	...	...	...	...	...	...	...	...
1891	2,699-62	11,875-00	...	838-72	...	...	...	2,064-43	...	...	...	...
1892	1,088-85	12,892-80	...	70	...	...	...	24,356-47	...	...	...	...
1893	1,621-70	11,698-50	...	467-74	...	...	...	21,210-45	...	...	...	...
1894	588-64	16,254-50	...	285-27	...	...	...	52,946-32	...	...	...	...
1895	876-68	19,522-40	...	540-76	...	...	...	65,477-26	...	...	...	...
1896	891-86	11,810-11	...	669-17	...	...	...	71,282-69	...	...	17,160-51	...
1897	554-07	11,955-37	...	1,038-18	...	5,110-00	9,453-81	82,891-85	2,034-23	8,685-73	74,556-12	4,159-27
1898	287-88	11,662-56	2,028-27	449-88	...	13,736-85	39,563-35	93,667-16	3,756-38	43,266-69	70,625-32	24,631-44
1899	1,122-81	20,526-20	1,955-51	521-30	418-72	31,995-34	41,569-66	93,518-03	10,879-58	81,817-07	105,688-76	44,524-29
1900	676-62	17,140-51	721-68	524-36	86-10	25,669-86	58,369-50	108,696-58	9,368-57	141,523-00	106,193-38	47,860-59
Total	26,014-73	172,563-76	4,705-46	5,336-08	504-82	79,512-05	148,956-32	616,111-24	26,038-76	275,292-49	374,224-09	121,175-59

Year.	5† North-East Coolgardie.	5† East Coolgardie.	7† Coolgardie.	Yilgarn.	8† Dundas.	9† Donnybrook.	Goldfields generally.	GRAND TOTAL.	
								Quantity.	Value. \$
1886	ozs. ...	...	...	...	...	...	...	ozs. 302-00	£ s. d. 1,147 12 0
1887	...	...	...	...	...	...	...	4,873-00	18,517 8 0
1888	...	...	...	...	...	...	...	3,493-00	13,273 8 0
1889	...	...	...	1,858-50	...	...	...	15,492-50	58,871 10 0
1890	...	...	...	2,277-00	...	...	...	22,806-31	86,663 19 7
1891	...	...	...	12,833-30	...	...	...	30,311-07	115,182 1 4
1892	...	...	...	21,209-49	...	...	...	59,548-31	226,283 11 7
1893	...	...	...	75,744-55	147-97	...	...	110,890-91	421,385 9 2
1894	...	...	105,329-82	31,498-38	223-38	...	...	207,131-31	787,098 19 6
1895	...	...	125,105-94	19,747-75	241-90	...	...	231,512-69	879,748 4 5
1896	4,113-18	85,287-06	69,135-19	16,565-25	4,350-31	...	...	281,265-33	1,068,808 5 1
1897	32,905-82	300,037-24	104,306-37	17,994-48	19,310-81	...	...	674,993-85	2,564,976 12 7
1898	125,240-49	450,312-27	127,227-06	11,696-18	32,031-82	...	...	1,050,183-60	3,990,697 13 7
1899	81,171-18	923,617-70	141,170-08	16,805-04	45,164-95	506-11	904-39	1,643,876-73	6,246,731 10 9
1900	52,129-12	810,906-78	119,781-46	29,418-10	40,687-56	265-55	7,930-86	1,580,950-18	6,007,610 13 8
Total	295,559-79	2,570,161-05	792,055-92	257,648-02	142,163-70	771-66	8,835-25	5,917,630-78	22,486,996 19 3

§ Valuation at £3 16s. per oz. 1† Prior to 1st May, 1898, included with Pilbarra. 2† Prior to 1st March, 1899, included with Ashburton. 3† From 1st August, 1897. 4† Prior to 1st April, 1897, included with Murchison. 5† Prior to 1st May, 1896, included with Coolgardie. 6† From 1st September, 1897. 7† Declared 5th April, 1894, to which date included with Yilgarn. 8† Prior to 1893 included with Yilgarn. 9† From 1st March, 1899.

TABLE X.

Return of Gold, the produce of the Colony, showing the Quantity, each month, entered for EXPORT and received at the Perth Branch of the ROYAL MINT
from 1st January, 1894, to 31st December, 1900.

Month.	894.	1895.	1896.	1897.	1898.	1899.			1900.		
						Customs.	Royal Mint.	Total.	Customs.	Royal Mint.	Total.
	ozs.	ozs.	ozs.	ozs.	ozs.	ozs.	ozs.	ozs.	ozs.	ozs.	ozs.
JANUARY	35,367·93	18,686·69	16,350·03	40,386·71	93,395·44	110,090·04	...	110,090·04	115,065·13	28,754·72	143,819·85
FEBRUARY		15,509·15	17,922·29	32,526·00	53,739·18	100,565·09	...	100,565·09	86,362·85	31,486·37	117,849·22
MARCH		19,619·50	11,084·86	40,296·37	75,380·04	106,098·64	...	106,098·64	72,525·30	53,524·20	126,049·50
1st January to 31st March	35,367·93	53,815·34	45,357·18	113,209·08	222,514·66	316,753·77	...	316,753·77	273,953·28	113,765·29	387,718·57
APRIL	40,450·01	19,128·18	16,772·63	39,660·37	84,082·63	116,466·37	...	116,466·37	77,859·48	35,646·81	113,506·29
MAY		19,208·19	22,266·06	59,111·76	83,346·94	109,676·32	4,947·77	114,624·09	81,847·81	38,464·72	120,312·53
JUNE		16,128·64	27,933·70	53,348·74	80,749·64	149,979·18	11,932·94	161,912·12	85,205·72	51,561·52	136,767·24
1st January to 30th June	75,817·94	108,280·35	112,329·57	265,329·95	470,693·87	692,875·64	16,880·71	709,756·35	518,866·29	239,438·34	758,304·63
JULY	62,846·33	20,195·44	16,258·44	48,811·24	76,980·77	99,533·16	38,398·78	137,931·94	64,192·96	49,408·90	113,601·86
AUGUST		23,668·39	29,516·99	65,129·17	89,395·47	103,076·30	42,321·55	145,397·85	73,598·71	57,886·85	131,485·56
SEPTEMBER		18,244·87	35,301·33	71,776·56	89,179·21	138,078·89	28,996·33	167,075·22	87,726·19	60,579·27	148,305·46
1st January to 30th September	138,664·27	170,389·05	193,406·33	451,046·92	726,249·32	1,033,563·99	126,597·37	1,160,161·36	744,384·15	407,313·36	1,151,697·51
OCTOBER	17,453·34	27,725·66	27,331·13	75,690·18	116,824·61	178,483·14	26,703·77	205,186·91	84,561·72	48,724·24	133,285·96
NOVEMBER	23,828·36	15,507·86	30,874·38	75,845·03	111,793·12	115,826·81	24,040·78	139,867·59	83,258·96	63,376·12	146,635·08
DECEMBER	27,385·34	17,890·12	29,653·49	72,411·72	95,316·55	106,696·54	31,964·32	138,660·86	87,562·44	61,769·19	149,331·63
Total	207,131·31	231,512·69	281,265·33	674,993·85	1,050,183·60	1,434,570·48	209,306·24	1,643,876·72	999,767·27	581,182·91	1,580,950·18

TABLE XI.
MINERALS OTHER THAN GOLD.

General Return of Ore and Minerals, other than Gold, showing the Quantity produced and the Value thereof, as reported to the Mines Department, from the respective Goldfields, Districts, and Mining Districts, during 1900 and previous years.

Year.	Month.	BLACK TIN.						COPPER ORE.											
		Greenbushes M.D.		Marble Bar D.		Total.		Day Dawn D.		Mt. Malcolm D.		Northampton M.D.		Phillips River G.F.		West Pilbarra G.F.		Total.	
		Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.
Previous to 1899	...	tons, 1,590'33	£ 6,108	ons. 75'45	£ 4,419	tons. 1,665'78	£ 70,527	...	...	...	...	...	...	...	...	tons. 7,018'00	£ 55,270	tons. 7,018'00	£ 55,270
1899	...	277'32	21,658	57'50	3,612	334'82	25,270	...	...	273'00	4,338	136'00	2,122	...	...	2,555'00	29,478	2,964'00	35,938
1900	January	17'55	1,202	5'80	311	23'35	1,513	...	...	...	...	...	...	...	...	330'00	2,318	330'00	2,318
Do.	February	14'27	1,029	11'35	736	25'62	1,765	...	...	...	...	...	...	...	...	224'00	1,746	224'00	1,746
Do.	March	22'31	1,604	22'73	1,514	45'04	3,118	...	...	275'00	2,025	...	...	...	...	254'00	2,280	529'00	4,305
Do.	April	32'20	2,245	45'82	3,367	78'02	5,612	...	...	300'00	1,830	...	11'00	256	...	184'00	847	495'00	2,933
Do.	May	29'34	2,034	31'20	2,466	60'54	4,500	...	...	360'00	3,300	...	...	...	...	262'00	1,230	622'00	4,530
Do.	June	41'71	2,853	32'00	2,342	73'71	5,195	...	...	...	...	...	...	...	...	30'00	225	30'00	225
Do.	July	73'45	5,031	26'95	2,129	100'40	7,160	...	...	400'00	2,797	...	...	...	...	9'00	108	409'00	2,905
Do.	August	55'77	3,871	27'85	2,308	83'62	6,179	...	...	620'00	3,915	...	...	...	...	...	...	620'00	3,915
Do.	September	41'30	2,770	49'45	3,466	90'75	6,236	5'15	91	404'00	2,358	...	...	...	...	131'00	1,818	540'15	4,267
Do.	October	41'48	2,692	59'91	3,774	101'39	6,466	...	...	430'00	2,765	...	...	...	...	95'00	705	525'00	3,470
Do.	November	38'18	2,466	50'31	3,164	88'49	5,630	...	...	900'00	5,376	...	...	...	...	60'00	394	960'00	5,770
Do.	December	28'06	1,731	24'50	1,597	52'56	3,328	...	...	850'00	6,352	...	...	23'00	469	26'00	468	899'00	7,289
	Total	2,303'27	117,294	520'82	35,205	2,824'09	152,499	5'15	91	4,812'00	35,056	136'00	2,122	34'00	725	11,178'00	96,887	16,165'15	134,881

Year.	Month.	IRONSTONE.						LEAD ORE.		COAL.		LIMESTONE.						DIAMONDS.	
		West Pilbarra G.F.		From Colony generally.		Total.		Northampton M.D.		Collie River Coal M.D.		Yilgarn G.F.		From Colony generally.		Total.		Nullagine D.	
		Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.
Previous to 1899	...	tons. 100'00	£ 300	...	...	tons. 100'00	£ 300	...	...	tons. 3,508'00	£ 1,761	...	...	...	...	...	...	...	...
1899	...	...	...	12,852'00	8,939	12,852'00	8,939	82'75	912	54,336'00	25,951	...	...	17,593'00	2,838	17,593'00	2,838	...	...
1900	January	...	...	...	...	...	...	...	...	7,586'00	3,463	...	...	...	...	...	...	...	...
Do.	February	...	...	...	...	...	...	13'00	153	9,123'00	4,164	...	...	...	...	...	...	...	...
Do.	March	...	...	...	...	...	...	...	...	10,500'00	4,682	...	...	...	...	...	...	...	...
Do.	April	...	...	...	...	...	...	...	...	8,946'00	4,059	...	...	...	...	...	...	...	...
Do.	May	...	...	...	...	...	...	...	...	7,761'00	3,575	...	...	...	...	...	...	...	...
Do.	June	...	...	...	...	...	...	30'00	195	6,982'95	3,130	12'00	3	...	...	12'00	3	...	...
Do.	July	...	...	...	...	...	...	...	...	10,382'99	4,865	43'00	98	...	...	43'00	98	...	...
Do.	August	...	...	...	...	...	...	...	...	13,296'06	7,246	22'00	39	...	...	22'00	39	...	...
Do.	September	...	...	3,843'00	3,793	3,843'00	3,793	150'00	130	10,934'60	5,032	7'00	18	5,005'00	1,058	5,012'00	1,076	§	20
Do.	October	...	...	...	...	...	...	75'00	55	12,032'40	5,519	...	...	...	...	...	...	...	...
Do.	November	...	...	...	...	...	...	...	...	11,306'70	4,642	95'00	46	...	...	95'00	46	...	...
Do.	December	...	...	8,408'00	5,465	8,408'00	5,465	...	...	9,558'40	4,458	90'85	69	10,652'00	2,263	10,742'85	2,332	§	4
	Total	100'00	300	25,103'00	18,197	25,203'00	18,497	350'75	1,445	176,254'10	82,547	269'85	273	33,250'00	6,159	33,519'85	6,432	...	24

NOTE.—As the collection of Statistics of Minerals other than Gold commenced during 1899, the Mineral Production from the different localities can only be gauged by the Customs Records. § Weight unknown.

TABLE XII.
BLACK TIN.

Return showing the Quantity and Value of BLACK TIN, from every Tin-producing Mine in the Colony, reported monthly during the year 1900, together with the totals for 1899 and previous years, and the total Output to date.

Goldfield, District, or Mining District.	Locality.	Official Number of Lease.	Registered Name of Company or Mine.	Month.	PRODUCTION.										Remarks.		
					1900.				1899.		Previous to 1899.		Total to date.				
					Monthly.		Total.		Quantity.	Value.	Quantity.	Value.	Quantity.	Value.		Quantity.	Value.
					Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.			
Greenbushes M.D.	Greenbushes	(17, 24)	(New Zealand Syndicate, N.L.)	...	tons.	£	tons.	£	tons.	£	tons.	£	tons.	£			
Do.	do.	19	Redruth	December	·05	3	·05	3	·80	50	...	...	·80	50	
Do.	do.	(21)	(Horan's No. 1 West) ...	...	...	...	...	...	...	...	...	...	...	...
Do.	do.	35	Horan's	January	·60	38	...	...	·10	12	...	...	·10	12	
				March ...	2·25	180											
				April ...	4·00	320											
				May ...	3·50	262											
				June ...	4·75	380											
				July ...	4·50	350											
				August ...	4·00	320											
				September	4·50	335											
				October	6·00	450											
				November	4·25	325											
				December	4·50	355											
Do.	do.	48	Olympia ... ..	...	...	...	42·85	3,315	25·00	1,860	100·00	5,000	167·85	10,175	
Do.	do.	56	Amanda	January	·20	11	...	...	1·00	90	...	...	1·00	90	
				October	·20	12											
				...	...	...	·40	23	·45	29	...	...	·85	52	
Do.	do.	(58)	(Queen's Birthday) ...	...	...	...	...	...	1·20	82	...	...	1·20	82	
Do.	do.	73	Nelson	July ...	2·30	137											
				August ...	1·30	73											
Do.	do.	76	Caledonian	January	6·16	400	3·60	210	15·00	1,237	...	...	18·60	1,447	
Do.	do.	90	Berkshire	January	·34	17	6·16	400	1·90	142	...	...	8·06	542	
Do.	do.	(93)	(Queen Victoria Tin Mining Syndicate)	...	...	...	·34	17	·30	15	...	...	·34	17	
Do.	do.	(105)	(Greenbushes Tinfields, Ltd.)	...	...	...	...	...	1·00	120	...	...	1·00	120	
Do.	do.	(110)	(Victoria)	April ...	·25	20	...	...	...	...	...	...	·25	20	
Do.	do.	146	Glencoe	April ...	·19	13	·19	13	...	...	...	...	·19	13	

TABLE XII.—Return showing the Quantity and Value of BLACK TIN, from every Tin-producing Mine in the Colony, reported monthly during the year 1900, etc.—continued.

Goldfield, District, or Mining District.	Locality.	Official Number of Lease.	Registered Name of Company or Mine.	Month.	PRODUCTION.										Remarks.		
					1900.				1899.		Previous to 1899.		Total to date.				
					Monthly.		Total.		Quantity.	Value.	Quantity.	Value.	Quantity.	Value.		Quantity.	Value.
					Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.			
Marble Bar D. (contd.)	Marble Bar	(16)	Brought forward ... (Sportsman) ...	March ...	tons. 4.33	£ ... 260	tons. 532.97	£ 36,674	tons. 292.42	£ 22,655	tons. 1,590.33	£ 66,108	tons. 2,415.72	£ 125,437			
	Do.	20/1, 23	(Carbine) O.K. leases	January ...	...	...	...	...	...	...	...	...	...	...
	Do.			February		
				March	
				April	
				May	
				June	
				July	
				August	
				September	
				October	
				November	
				December	
Do.	do.	22	Marble Bar Tin Syndicate	March ...	3.50	245	39.05	2,486	11.20	795	...	...	50.25	3,281	
				April ...	3.50	280											
				May ...	4.50	352											
				June ...	4.00	240											
				September ...	1.50	90											
Do.	do.	(29)	(Three Jacks) ...	January ...	1.50	100	18.00	1,242	14.00	1,030	...	...	32.00	2,272	
				February ...	.75	58										
Do.	do.	39, 40/2	Singapore leases	February ...	4.00	300	2.25	158	...	...	...	...	2.25	158	
Do.	do.	43/4	Huntsman leases	May ...	2.00	132	4.00	300	2.75	124	...	...	6.75	424	
				June ...	4.00	240											
				November ...	2.00	130											
Do.	do.	45	Independent ...	April ...	2.00	100	8.00	502	...	...	...	...	8.00	502	
				May ...	3.00	210											
				June ...	2.00	120											
				July ...	2.00	132											
				August ...	2.00	120											
				September ...	2.50	150											
				October ...	1.50	90											
							15.00	922	...	...	...	...	15.00	922	

§ Seconds.

Do.	do.	46 (16)	Old Sportsman ...	September	3 00	180												
				December	5 00	300	8 00	480	...	...	...	...	8 00	480				
Do.	do.	...	Sundry Claims ...	March ...	7 80	553												
				April ...	25 42	2,058												
				May ...	7 50	675												
				June ...	7 25	652												
				July ...	3 25	292												
				August ...	10 75	967												
				September	31 70	2,211												
				October ...	45 66	2,904												
				November	38 31	2,384												
				December	14 25	982												
							191 89	13,678	7 70	331	75 45	4,419	275 04	18,428				
				Total	...		823 49	56,702	334 82	25,270	1,665 78	70,527	2,824 09	152,499				

TABLE XIII.
COPPER ORE.

Return showing the Quantity and Value of COPPER ORE from every Copper-producing Mine in the Colony reported monthly during the year 1900, together with the totals for 1899 and previous years, and the total Output to date.

Goldfield, District, or Mining District.	Locality.	Official Number of Lease.	Registered Name of Company or Mine.	Month.	PRODUCTION.										Remarks.		
					1900.				1899.		Previous to 1899.		Total to date.				
					Monthly.		Total.		Quantity.	Value.	Quantity.	Value.	Quantity.	Value.		Quantity.	Value.
					Quantity.	Value.	Quantity.	Value.									
Day Dawn D. ...	Day Dawn ...	2d	San Diego Copper Mine ...	September	tons. 5·15	£ 91	...	...	...	...	...	...	...	...	...	Assay 37½ per cent.
Mt. Malcolm D. ...	Murrin Murrin	6c	Butte City Copper Mine ...	March ...	50·00	525	...	...	...	...	...	...	...	...	...	Returned 7·00 tons Metallic Copper
				April ...	40·00	500	...	...	...	...	...	...	...	...	...	" 7·00 " "
				May ...	140·00	2,100	...	...	...	...	...	...	...	...	...	" 28·00 " "
				July ...	60·00	894	...	...	...	...	...	...	...	...	...	" 12·00 " "
				August ...	68·00	1,013	...	...	...	...	...	...	...	...	...	" 13·60 " "
				September ...	75·00	876	...	...	...	...	...	...	...	...	...	" 12·00 " "
				October ...	50·00	632	...	...	...	...	...	...	...	...	...	" 8·00 " "
				November ...	56·00	530	...	...	...	...	...	...	...	...	...	" 6·75 " "
				December ...	50·00	395	...	...	...	...	...	...	...	...	...	" 5·00 " "
Do. ...	do. ...	10c	Mt. Malcolm Copper Mine ...	March ...	225·00	1,500	...	...	...	...	...	...	...	...	...	" 20·00 " "
				April ...	260·00	1,330	...	...	...	...	...	...	...	...	...	" 19·00 " "
				May ...	220·00	1,200	...	...	...	...	...	...	...	...	...	" 16·00 " "
				July ...	340·00	1,903	...	...	...	...	...	...	...	...	...	" 25·55 " "
				August ...	552·00	2,902	...	...	...	...	...	...	...	...	...	" 38·95 " "
				September ...	329·00	1,482	...	...	...	...	...	...	...	...	...	" 20·30 " "
				October ...	380·00	2,133	...	...	...	...	...	...	...	...	...	" 27·00 " "
				November ...	844·00	4,846	...	...	...	...	...	...	...	...	...	" 61·35 " "
				December ...	800·00	5,957	...	...	...	...	...	...	...	...	...	" 75·40 " "
							3,950·00	23,253	22·00	232	...	...	3,972·00	23,485		
Northampton M.D.	Arrino... ..	5	Wheal Dodd Copper Mine ...	...	...	...	...	...	10·00	80	...	...	10·00	80		
Do. ...	Geraldine ...	10, 11	Geraldine Copper Mine ...	...	...	...	...	...	\$98·00	1,715	...	...	98·00	1,715		\$ By-product:—Silver, 490ozs.; value, £55 2s. 6d.
Do. ...	Yandanooka ...	3, 4	Arrino Copper Mine ...	...	...	...	...	...	25·00	300	...	...	25·00	300		
Do. ...	do. ...	7	Lady Bertha Copper Mine ...	...	...	...	...	...	3·00	27	...	...	3·00	27		
Phillips River G.F.	Dallison's Find	52	Harbour View Copper Mine	December	23·00	469	...	...	...	...	...	...	...	...	...	Assay, 30·6 per cent.—By-products: silver, 161ozs. value, £20; gold, 34ozs. value, £136
Do. ...	Ravensthorpe	10	Kington Copper Mine ...	April ...	11·00	256	...	...	...	...	...	...	23·00	469		Returned 3·15 tons metallic copper and by-products:—Silver, 24ozs.; gold, 5ozs.
							11·00	256	...	...	...	...	11·00	256		
West Pilbarra G.F.	Croydon ...	(26)	(Croydon Copper Mine) ...	...	...	...	...	...	25·00	350	15·00	245	40·00	595		Assay 15 per cent.
Do. ...	do. ...	31	Evelyn Copper Mine ...	January ...	80·00	800	...	...	...	...	...	...	...	...	...	" 20 "
				February ...	50·00	750	...	...	...	...	...	...	...	...	...

TABLE XIV.
IRONSTONE.

Return showing the Quantity and Value of IRONSTONE reported monthly during the year 1900, together with the totals for 1899 and previous years, and the total Output to date.

Goldfield District, or Mining District.	Locality.	Official Number of Lease.	Registered Name of Company or Mine.	Month.	PRODUCTION.										Remarks.
					1900.				1899.		Previous to 1899.		Total to date.		
					Monthly.		Total.								
					Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	
West Pilbarra G.F.	Whim Creek	17, 18, 21	Whim Well Copper Mines (Ironstone)	...	tons. ...	£ ...	tons. ...	£ ...	tons. ...	£ ...	tons. 100'00	£ 300	tons. 100'00	£ 300	
§ From Colony generally :—															
	Avon ...	...	...	...	...	...	12,251'00	9,258	...	...	...	...	12,251'00	9,258	
	Clackline ...	...	...	...	...	...	...	...	1,540'00	1,071	...	...	1,540'00	1,071	
	Coates' Paddock ...	...	...	...	...	...	...	...	4,712'00	3,277	...	...	4,712'00	3,277	
	Greenbushes ...	...	...	...	...	...	...	...	2,000'00	1,391	...	...	2,000'00	1,391	
	Werribee ...	...	...	...	...	...	...	...	4,600'00	3,200	...	...	4,600'00	3,200	
Total					...	...	12,251'00	9,258	12,852	8,939	100'00	300	25,203'00	18,497	

§ Ore Flux received by the Fremantle Smelting Works, Ltd.

TABLE XV.
LEAD ORE.

Return showing the Quantity and Value of LEAD ORE reported monthly during the year 1900, together with the totals for 1899 and previous years, and the total Output to date.

Goldfield, District, or Mining District.	Locality.	Official Number of Lease.	Registered Name of Company or Mine.	Month.	PRODUCTION.										Remarks.
					1900.				1899.		Previous to 1899.		Total to date.		
					Monthly.		Total.								
					Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	
Northampton M.D.	Narra Tarra	...	From locality generally	September	150'00	130	...	...	...	...	...	...	...	...	Returned 18 tons pig lead
				October...	75'00	55	...	...	...	...	...	...	225'00	185	" 9 " "
Do.	Northampton	54, etc.	Lady Maud Lead Mines	February	13'00	153	...	...	...	...	...	...	...	...	" 9 " "
Do.	do.	62	Yiapa Lead Mine	June ...	30'00	195	...	...	63'75	700	...	...	76'75	853	" 15 " "
Do.	Victoria	51	Alma Lead Mine	...	...	...	...	...	...	...	...	...	30'00	195	
Total					...	...	268'00	533	82'75	912	...	...	350'75	1,445	

TABLE XVI.

COAL.

Return showing the Quantity and Value of COAL reported monthly during the year 1900, together with the totals for 1899 and previous years, and the total Output to date.

Goldfield, District, or Mining District.	Locality.	Official Number of Lease.	Registered Name of Company or Mine.	Month.	PRODUCTION.										Remarks.	
					1900.				1899.		Previous to 1899.		Total to date.			
					Monthly.		Total.									
					Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.		
Collie River Coal M.D.	Collie ...	85-100	Collie Proprietary Coal-fields of W.A. Ltd.	January ...	tons. 1,372·00	£ 708										Under exemption.
				February ...	907·00	464										
				March ...	934·00	479										
				April ...												
				May ...	30·00	15										
				June ...	253·00	131										
				July ...	1,751·00	873										
				August ...	2,861·00	1,340										
				September ...	2,935·00	1,437										
				October ...	4,467·00	2,107										
				November ...	4,419·00	2,101										
				December ...	3,491·40	1,675										
											23,420·40	11,325	4,909·00	2,518	350·00		184	28,679·40	14,027
Do. ...	do. ...	30, etc.	W.A. Collieries and Fire Clay Co., Ltd.	May ...	167·00	84										
				June ...	141·00	70										
				July ...	545·00	273										
				August ...	1,070·15	535										
				September ...	1,027·00	513										
				October ...	1,332·00	600										
				November ...	1,054·00	448										
				December ...	1,312·00	558										
							6,648·15	3,081			2,900·00	1,450	9,548·15	4,531		
Do. ...	do. ...	82	Westralian Wallsend Colliery	January ...	6,214·00	2,760										
				February ...	8,216·00	3,700										
				March ...	9,566·00	4,203										
				April ...	8,946·00	4,059										
				May ...	7,564·00	3,476										
				June ...	6,588·95	2,929										
				July ...	8,086·99	3,719										
				August ...	9,364·91	5,371										
				September ...	6,972·60	3,082										
				October ...	6,233·40	2,812										
				November ...	5,833·70	2,093										
				December ...	4,755·00	2,225										
											88,341·55	40,429	49,427·00	23,433	258·00		127	138,026·55	63,989
				Total ...			118,410·10	54,835	54,336·00	25,951	3,508·00	1,761	176,254·10	82,547		

TABLE XVII.

L I M E S T O N E .

Return showing the Quantity and Value of LIMESTONE reported monthly during the year 1900, together with the totals for 1899 and previous years, and the total Output to date.

Goldfield, District, or Mining District.	Locality.	Official Number of Lease.	Registered Name of Company or Mine.	Month.	PRODUCTION.										Remarks.		
					1900.				1899.		Previous to 1899.		Total to date.				
					Monthly.		Total.		Quantity.	Value.	Quantity.	Value.	Quantity.	Value.		Quantity.	Value.
					Quantity.	Value.	Quantity.	Value.									
Yilgarn G.F.	Southern Cross	4	Southern Cross Limestone Lease	June ...	tons. 12'00	£ 3	tons. ...	£ ...	tons. ...	£ ...	tons. ...	£ ...	tons. ...	£ ...	Returned 9 tons burnt lime " 37½ " " " 17 " " " 5 " " Ore flux sent to Kalgoorlie Returned 15 tons burnt lime		
				July ...	43'00	98	...	...	...	...	...	...	...	...
				August ...	22'00	39	...	...	...	...	...	...	...	...
				September	7'00	18	...	...	...	...	...	...	...	...
				November	15'00	7	...	...	...	...	...	...	...	...
				December	20'00	34	...	...	...	...	...	...	...	...
Do.	do.	5	Southern Cross Pioneer Limestone Lease	November	45'00	22	...	...	...	...	...	...	...	Ore flux sent to Kalgoorlie
Do.	do.	6	Range Road Limestone Lease	December	40'00	20	...	...	...	...	...	...	...	Ore flux sent to Kalgoorlie
				November	35'00	17	85'00	42	85'00	42	Ore flux sent to Kalgoorlie		
§ From Colony generally— Fremantle ...	...	...	...	December	30'85	15	...	...	...	...	...	...	...	Ore flux sent to Kalgoorlie
				Total	15,657'00	3,321	17,593'00	2,838	33,250'00	6,159			
					Total ...		15,926'85	3,594	17,593'00	2,838	33,519'85	6,432			

§ Ore flux received by the Fremantle Smelting Works, Ltd.

TABLE XVIII.

DIAMONDS.

Return showing the Quantity and Value of DIAMONDS, reported monthly during the year 1900, together with the totals for 1899 and previous years, and the total Output to date.

Goldfield, District, or Mining District.	Locality.	Official Number of Lease.	Registered Name of Company or Mine.	Month.	PRODUCTION.										Remarks.		
					1900.				1899.		Previous to 1899.		Total to date.				
					Monthly.		Total.		Quantity.	Value.	Quantity.	Value.	Quantity.	Value.		Quantity.	Value.
					Quantity.	Value.	Quantity.	Value.									
Nullagine D.	Nullagine ...	M.R.C. 6L	(Morgans, A. E.) ..	September	carats. ¹ §	£ 20	carats. ...	£ ...	carats. ...	£ ...	carats. ...	£ ...	carats. ...	£ ...	¹ §. 105 tons conglomerate returned 21 small diamonds, weight in carats unknown; by - product — Gold 53·30ozs. ² §. 125 tons conglomerate returned four small diamonds, weight in carats unknown; by - product — Gold 24·40ozs.		
				December	² §	4	...	...	...	...	...	...	...	...
				Total	...	24	...	24	...	...	...	...	...	24

TABLE XIX.

Return of Ore and Minerals, other than Gold, entered for EXPORT from the Year 1850 to 31st December, 1900, showing the Quantity obtained from certain Goldfields and Mining Districts, together with the Estimated Value thereof.

YEAR.	METALLIC MINERALS.																YEAR.
	COPPER ORE.								LEAD ORE.		BLACK TIN (Dressed Tin).						
	West Pilbarra G.F.		Northampton M.D.		State generally.		Total.		Northampton M.D.		Pilbarra G.F.		Greenbushes M.D.		Total.		
	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	
tons.	£	tons.	£	tons.	£	tons.	£	tons.	£	tons.	£	tons.	£	tons.	£		
1850	5 00	55 00	...	...	...	...	...	...	1850	
1	1	
2	2	
3	**	7 50	...	...	7 50	**	4 00	...	...	...	...	...	...	3	
4	4	
5	2 05	26 45	...	...	2 05	26 45	25 00	250 00	...	...	...	...	...	5	
6	57 00	1,017 90	...	...	57 00	1,017 90	...	...	...	...	...	...	...	6	
7	80 00	1,920 00	...	...	80 00	1,920 00	...	...	...	...	...	...	...	7	
8	433 25	9,531 50	...	...	433 25	9,531 50	...	...	...	...	...	...	...	8	
9	941 50	14,122 50	...	...	941 50	14,122 50	13 50	135 00	...	...	...	...	...	9	
1860	517 50	8,021 25	...	...	517 50	8,021 25	98 50	985 00	...	...	...	...	...	1860	
1	409 00	6,339 50	...	...	409 00	6,339 50	79 00	790 00	...	...	...	...	...	1	
2	783 50	12,536 00	...	...	783 50	12,536 00	9 00	90 00	...	...	...	...	...	2	
3	763 00	12,208 00	...	...	763 00	12,208 00	230 00	2,300 00	...	...	...	...	...	3	
4	1,076 00	17,216 00	...	...	1,076 00	17,216 00	80 00	800 00	...	...	...	...	...	4	
5	886 00	13,290 00	...	...	886 00	13,290 00	703 00	8,436 00	...	...	...	...	...	5	
6	557 50	8,362 50	...	...	557 50	8,362 50	273 50	3,282 00	...	...	...	...	...	6	
7	337 00	5,055 00	...	...	337 00	5,055 00	902 00	10,824 00	...	...	...	...	...	7	
8	83 00	1,245 00	...	...	83 00	1,245 00	1,100 50	13,206 00	...	...	...	...	...	8	
9	155 00	2,325 00	...	...	155 00	2,325 00	699 50	8,394 00	...	...	...	...	...	9	
1870	6 00	90 00	...	...	6 00	90 00	1,209 50	14,514 00	...	...	...	...	...	1870	
1	420 00	5,040 00	...	...	...	...	...	1	
2	864 00	4,368 00	...	...	...	...	...	2	
3	56 50	847 50	...	...	56 50	847 50	965 50	11,586 00	...	...	...	...	...	3	
4	66 50	997 50	...	...	66 50	997 50	2,143 75	25,725 00	...	...	...	...	...	4	
5	204 75	3,071 25	...	...	204 75	3,071 25	2,289 00	27,468 00	...	...	...	...	...	5	
6	279 00	4,185 00	...	...	279 00	4,185 00	2,191 50	26,298 00	...	...	...	...	...	6	
7	53 50	802 50	...	...	53 50	802 50	3,955 50	47,466 00	...	...	...	...	...	7	
8	9 00	135 00	...	...	9 00	135 00	3,617 50	43,410 00	...	...	...	...	...	8	
9	2,775 00	33,300 00	...	...	...	...	...	9	
1880	8 00	120 00	...	...	8 00	120 00	1,921 00	15,368 00	...	...	...	...	...	1880	
1	1,400 50	11,204 00	...	...	...	...	...	1	
2	1 50	22 50	...	...	1 50	22 50	1,793 50	14,348 00	...	...	...	...	...	2	
3	5 00	75 00	...	...	5 00	75 00	1,038 00	7,266 00	...	...	...	...	...	3	
4	118 00	1,770 00	...	...	118 00	1,770 00	696 00	4,872 00	...	...	...	...	...	4	
5	119 50	1,792 50	...	...	119 50	1,792 50	465 00	3,255 00	...	...	...	...	...	5	
6	249 00	3,735 00	...	...	249 00	3,735 00	611 00	4,277 00	...	...	...	...	...	6	
7	23 00	345 00	...	...	23 00	345 00	471 00	4,710 00	...	...	...	...	...	7	
8	87 50	1,487 50	...	...	87 50	1,487 50	532 00	5,320 00	...	...	...	...	...	8	
9	112 00	1,904 00	...	...	112 00	1,904 00	250 00	2,500 00	...	...	...	...	...	9	
														† 5 00	300 00		

1890	...	...	8-00	136-00	...	...	8-00	136-00	213-50	2,135-00	...	...	...	...	† 67-50	5,400-00	1890
1	262-50	4,462-50	...	...	...	...	262-50	4,462-50	25-00	250-00	...	...	204-00	10,200-00	204-00	10,200-00	1
2	* 412-00	6,318-80	155-00	2,377-20	...	...	567-00	8,696-00	29-75	150-00	...	...	j 265-49	13,843-00	j 265-49	13,843-00	2
3	50-00	606-00	...	...	...	...	50-00	606-00	...	...	56-45	3,470-00	171-50	7,664-00	227-95	11,134-00	3
4	...	...	...	...	...	...	...	...	...	...	19-00	949-00	371-25	14,325-00	390-25	15,274-00	4
5	802-00	12,832-00	24-00	120-00	...	...	826-00	12,952-00	...	...	...	...	277-15	9,703-00	277-15	9,703-00	5
6	6-30	100-00	...	...	...	...	6-30	100-00	...	...	...	...	137-25	4,338-00	137-25	4,338-00	6
7	64-85	731-25	21-15	302-00	...	...	86-00	1,033-25	**	4-00	...	...	95-55	3,275-00	95-55	3,275-00	7
8	a 280-87	3,334-00	c 74-53	931-50	...	...	355-40	4,265-50	5-00	33-00	...	...	k 68-14	2,760-00	k 68-14	2,760-00	8
9	1,404-50	31,978-50	586-55	9,473-25	...	...	1,991-05	41,451-75	16-00	96-00	29-55	2,025-00	l 278-41	21,138-00	o 307-96	23,163-00	9
1900	543-55	10,696-00	...	...	e 302-56	5,766-00	f 846-11	16,462-00	26-85	242-00	h 368-34	30,146-00	m 101-94	8,032-00	p 470-28	38,178-00	1900
Total	b 3,826-57	71,059-05	d 9,349-28	147,944-30	e 302-56	5,766-00	g 13,478-41	224,769-35	33,643-85	364,756-00	i 473-34	36,590-00	n 1,970-68	95,278-00	q 2,516-52	137,568-00	

* See Woodward's Mining Handbook, Perth: By Authority, 1895; p. 128.

** Declared; tonnage not stated.

† Probably the produce of the Greenbushes Tinfield.

a. 280 tons 17cwt. 2qrs.

b. 3,826 tons 11cwt. 2qrs.

c. 74 tons 10cwt. 2qrs.

d. 9,349 tons 5cwt. 2qrs.

e. 302 tons 11cwt. 1qr.

f. 846 tons 2cwt. 1qr.

g. 13,478 tons 8cwt. 1qr.

h. 368 tons 6cwt. 3qrs.

i. 473 tons 6cwt. 3qrs.

j. 265 tons 9cwt. 3qrs.

k. 68 tons 2cwt. 3qrs.

l. 278 tons 8cwt. 1qr.

m. 101 tons 18cwt. 3¼qrs.

n. 1,970 tons 13cwt. 2¼qrs.

o. 307 tons 19cwt. 1qr.

p. 470 tons 5cwt. 2¼qrs.

q. 2,516 tons 10cwt. 1¼qrs.

TABLE XIX.—Return of Ore and Minerals, other than Gold, entered for EXPORT from the Year 1850 to 31st December, 1900—continued.

YEAR.	NON-METALLIC MINERALS.						ORES NOT OTHERWISE ENUMERATED.		COMMERCIAL PRODUCTS.								YEAR.	
	ASBESTOS.		COAL.		MICA.				COPPER INGOT. †		SILVER. †		TIN INGOT. † (White Tin.)		PIG LEAD. †			
	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.		
	tons	£	tons	£	tons	£	tons	£	tons	£	ozs.	£	tons	£	tons	£		
1850	1850
1	1
2	2
3	3
4	55·00	1,200·00	4
5	122·00	2,440·00	5	
6	133·75	2,675·00	6	
7	60·00	1,200·00	7	
8	120·50	2,410·00	8	
9	61·00	1,220·00	9	
1860	24·75	495·00	1860	
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
1870	1870
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
1880	1880
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9

1890	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1890
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
2	...	...	...	...	**	25'00	...	...	...	...	...	...	...	...	...	...	2
3	...	...	...	...	**	4'00	...	...	...	...	...	...	...	...	...	...	3
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4
5	...	...	...	...	**	3'00	...	...	...	...	...	...	...	...	...	...	5
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6
7	...	...	...	...	**	209'00	...	...	...	...	...	...	...	...	...	...	7
8	...	...	1'00	1'00	...	...	...	...	...	...	...	...	...	|| .50	11'00	...	8
9	**	1'00	798'00	772'00	†	50'00	...	...	...	...	...	...	...	77'00	1,077'00	...	9
1900	...	...	355'00	350'00	**	3'00	5'00	85'00	248'90	17,475'00	28,749'00	3,594'00	142'35	18,872'00	...	...	1900
Total	...	1'00	1,154'00	1,123'00	...	294'00	5'00	85'00	248'90	17,475'00	28,749'00	3,594'00	142'35	18,872'00	683'75	13,306'25	

** Declared ; tonnage not stated. † 13 packages, weight not stated. § Estimated, no tonnage given. || No tonnage given, 6 packages estimated at 10cwt.
 ¶ Advantage has been taken of the series of years covered by this Table to show in detail the quantity of Commercial Products exported.

**TABLE
ALL**
Return showing the Quantity and Estimated Value of MINING

GOLDFIELD.	DISTRICT.	GOVERNMENT PUBLIC BATTERIES.	MOTIVE PLANT.								PUMPING PLANT.		
			Employed in Mining.			Employed in Reduction.		Portable Boilers and Engines.	Oil Engines.	Air Compressors.	Air Receivers.	Pumps (Cornish Lift or Plunger).	Steam Pumps.
			Steam Boilers.	Steam Engines.		Steam Boilers.	Steam Engines.						
				Single Winding Gear.	Double Winding Gear.								
1. Kimberley ...	...	...	1	1	...	7	6	...	...	...	...	5	2
2. Pilbarra ...	{ Marble Bar ...	...	...	...	...	10	5	2	2	...	...	6	12
3. West Pilbarra ...	{ Nullagine ...	...	...	...	...	1	2	1	...	...	...	2	5
4. Ashburton ...	...	...	3	3	1	5	4	...	...	1	1	3	8
5. Gascoyne ...	...	...	...	...	...	1	...	...	...	...	...	...	1
6. Peak Hill ...	...	...	2	2	...	2	1	...	...	...	...	1	2
7. East Murchison ...	Do. ...	Ravelstone	...	...	...	1	1	...	...	1	...	...	3
...	...	...	22	6	5	21	17	3	...	3	3	4	43
...	Cue ...	...	27	12	9	15	14	1	...	1	1	10	34
...	Do. ...	Tuckanarra	...	...	...	1	1	...	...	...	...	...	3
8. Murchison ...	Nannine ...	...	11	6	8	16	12	3	...	1	...	13	27
...	Day Dawn ...	...	19	6	6	11	9	2	...	3	2	5	27
...	Mt. Magnet ...	...	18	3	8	12	8	...	...	...	...	10	14
...	Do. ...	Lennonville	...	...	...	1	1	...	...	...	...	...	3
9. Yalgoo ...	Do. ...	Paynesville	...	...	...	1	1	...	...	1	1	...	3
...	...	...	7	2	5	11	9	1	...	2	2	5	19
10. Mt. Margaret ...	Mt. Malcolm ...	...	27	4	20	23	18	5	...	5	4	5	69
...	Do. ...	Leonora	...	...	...	1	1	...	...	...	...	...	3
...	Mt. Margaret ...	...	12	5	8	12	10	3	...	5	3	3	39
...	Menzies ...	...	25	14	17	18	13	3	4	9	8	5	38
...	Ularring ...	...	7	4	1	5	4	2	1	1	1	2	10
11. North Coolgardie ...	Do. ...	Mt. Ida	...	...	...	1	1	...	...	...	...	...	3
...	Do. ...	Mulline	...	...	...	1	1	...	...	...	...	...	3
...	Niagara ...	...	25	5	8	9	6	1	...	2	1	6	30
...	Do. ...	Niagara	...	...	...	1	1	...	...	...	...	...	3
12. Broad Arrow ...	Yerilla ...	...	7	4	1	12	6	1	...	...	...	1	20
...	...	...	28	9	20	31	18	4	1	3	2	8	60
13. N.E. Coolgardie ...	Kanowna ...	...	23	7	13	20	16	4	8	2	2	18	34
...	Bulong ...	...	5	...	4	3	1	1	...	2	1	2	6
14. East Coolgardie ...	Kurnalpi ...	...	1	1	...	1	2	...	...	...	...	...	4
...	...	...	103	7	56	77	55	12	2	28	36	12	155
15. Coolgardie ...	Coolgardie ...	...	51	12	35	36	28	5	1	15	15	11	102
...	Do. ...	Widgiemooltha	...	...	...	1	1	...	...	1	...	...	3
16. Yilgarn ...	Kunanalling ...	...	18	1	10	18	13	7	1	3	3	5	43
17. Dundas ...	...	...	10	1	7	18	11	1	6	...	...	9	15
18. Phillips River ...	...	Norseman	...	...	...	2	1	...	...	1	1	...	4
19. Donnybrook ...	...	...	...	...	...	1	...	...	...	...	...	...	1
Do. ...	...	Donnybrook	...	...	...	...	...	1	...	...	...	...	1
Northam Milling and Mining Co., Ltd.	...	...	...	...	...	6	5	...	...	...	...	...	5
Fremantle Smelting Works, Ltd.	...	...	...	...	...	3	4	...	...	...	...	...	4
TOTAL GOLD EXTRACTING MACHINERY			467	120	253	432	320	70	27	92	88	158	896
Tinfields ...	{ Greenbushes Mining District ...	...	3	...	1	2	1	4	...	...	...	2	9
...	{ Marble Bar District ...	...	1	...	...	1	...	...	...	...	...	...	3
Copperfields ...	{ Mt. Malcolm District ...	...	2	2	...	1	3	...	1	...	...	...	3
...	{ West Pilbarra Goldfield ...	...	1	...	...	...	...	1	...	...	...	1	1
Coalfield ...	Collie River Coal Mining District	...	8	...	6	1	1	...	1	2	...	...	11
TOTAL MACHINERY OTHER THAN GOLD EXTRACTING			15	2	7	5	5	5	2	2	...	3	27
TOTAL MINING MACHINERY			482	122	260	437	325	75	29	94	88	161	923

XX.

MINES.

MACHINERY in existence on the 31st December, 1900.

HAULING PLANT.				REDUCTION PLANT.																	
Whims.	Whips.	Endless Rope Trams.	Hydraulic Lifts.	Stone Breakers.	Ore Feeders.	Batteries: No. of Heads of Stampers.	Other Mills.										Tailings Pumps.	Tailings Wheels.	Agitators.	Amalgamating Barrels and Pans.	Berdan Pans.
							Ball Mills.	Griffin Mills.	Huntington Mills.	Tremain Mills.	Prospecting Mills.	Crushing Rollers.	Dry Crushers.	Fuddlers.	Arrastras.						
1	...	...	...	...	...	70	...	...	1	...	...	1	...	...	...	...	...	...	...	...	4
...	3	...	...	...	...	80	...	...	...	...	...	...	...	...	...	1	...	...	...	1	4
2	...	...	...	...	...	35	...	...	...	...	...	...	...	...	...	...	...	...	...	1	4
...	...	...	...	...	...	30	...	...	...	...	...	...	...	...	...	...	...	...	...	1	2
...
...	...	...	...	...	...	30	...	...	...	...	...	...	...	...	...	1	...	...	...	6	1
...	...	...	...	...	...	10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2
...	15	1	...	6	12	155	...	...	...	...	...	...	...	...	...	...	...	...	...	1	6
1	10	1	...	7	4	165	1	...	1	...	...	...	...	...	1	2	3	...	1	6	6
...	1	...	...	...	...	10	...	...	...	...	...	...	...	...	...	...	...	...	...	3	14
...	4	...	...	5	13	153	...	...	...	...	...	...	...	...	...	1	3	...	...	1	2
2	7	...	...	4	4	70	...	...	...	...	...	...	...	...	2	...	...	...	1	1	21
1	13	...	...	3	8	100	...	...	...	...	...	...	...	...	...	2	1	...	3	3	3
...	...	...	...	...	...	10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6
...	...	...	...	1	...	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2
...	2	...	...	5	8	60	...	...	1	...	...	...	...	...	...	...	...	...	...	...	2
1	18	...	...	10	15	248	...	...	...	3	1	...	...	...	...	2	...	...	...	...	6
...	...	...	...	...	...	10	...	...	...	...	...	...	...	...	...	3	2	...	...	...	14
...	5	...	...	...	...	10	...	...	...	2	2	1	...	...	...	1	...	...	...	2	2
...	30	1	...	3	10	131	...	...	...	...	...	...	...	...	...	3	...	...	...	3	2
...	13	...	...	7	14	148	...	...	...	...	...	1	...	...	...	8	...	...	6	...	21
...	...	...	...	...	...	40	...	...	...	...	...	...	...	...	1	...	...	...	...	...	3
...	...	...	...	...	...	10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
...	8	...	...	3	5	95	...	...	...	...	...	...	...	...	...	3	3	...	...	...	2
...	...	...	...	...	...	10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4
...	4	...	...	3	...	45	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2
7	21	1	...	8	35	235	1	...	1	2	...	...	...	...	2	2	2	...	...	11	3
3	10	1	...	9	14	175	1	2	4	...	2	1	1	6	4	11	4	...	...	...	8
...	...	...	...	...	...	30	...	...	...	...	...	...	...	...	...	1	...	...	...	...	13
...	2	...	...	1	1	10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2
2	8	2	...	35	93	360	34	24	18	...	...	...	...	...	...	12	8	63	63	...	8
...	15	4	...	18	48	406	...	...	...	1	1	...	...	...	...	9	3	...	...	1	20
...	...	...	...	...	...	10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2
2	17	1	...	7	17	138	2	...	...	1	1	...	...	...	...	1	1	2	1	...	2
...	3	...	...	5	14	175	...	4	...	...	1	...	...	...	...	1	3	...	...	...	13
1	15	...	...	7	10	140	2	...	1	...	4	...	...	...	1	5	2	...	3	...	19
...	...	...	...	...	...	10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2
...
...	...	...	...	...	...	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
...	...	...	...	2	...	60	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	6	2	...	...	...	...	...	...	...	2	1	...	...	...	...	...	...	...	...
23	225	12	6	155	333	3,484	42	30	21	18	19	15	10	10	5	81	42	72	99	219	
...	4	...	...	3	1	...	...	...	...	...	...	...	1	1	11	3	...	...	...	...	...
...
1	...	...	...	2	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	1	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...
...
1	4	...	...	6	2	...	...	...	1	1	...	1	1	11	3	...	...	...	...	...	...
24	229	12	6	161	335	3,484	42	30	22	19	19	16	11	21	8	81	42	72	99	219	

TABLE XXII.
ALL MINES.

Number of DEATHS from Accidents in the different Goldfields, Mining Districts, and Coalfield of the Colony, during the Year 1900.

GOLDFIELDS, DISTRICTS, MINING DISTRICTS, AND COALFIELD.	NUMBER OF MEN EMPLOYED.	BY EXPLOSIVES.	FALLS IN MINE.				IN SHAFTS.								MISCELLANEOUS UNDERGROUND.						ON SURFACE.				GROSS TOTAL.				
			Falls of sides.	Falls of roof.	Miscellaneous.	Total falls.	Overwinding.	Ropes and chains breaking.	Whilst ascending or descending by machinery.	Falling into shafts from surface.	Things falling from surface.	Falling from part way down.	Things falling from part way down.	Miscellaneous.	Total in shafts.	Suffocation.	Irruption of water.	On inclined and engine planes.	By trams and trucks.	By machinery.	Ropes and chains breaking.	Falling into water.	Sundries.	Total miscellaneous underground.		By machinery.	Boilers bursting.	Railways and tramways.	Miscellaneous.	Total on surface.
GOLDFIELD.																													
1. Kimberley	7																												
2. Pilbarra	111																												
3. West Pilbarra	52																												
4. Ashburton																													
5. Gascoyne																													
6. Peak Hill	354																												
7. East Murchison	873																												
8. Murchison	1,441							1		1		1		3															3
9. Yalgoo	226																												
10. Mt. Margaret	1,851							2				1	3										1				1	4	
11. North Coolgardie	1,510	3	1	1	2	1	1			1		2									1	1	1				1	3	
12. Broad Arrow	646		1		1		1			1		2	1														1	5	
13. North-East Coolgardie	860		1	1	2																	1	1			1	1	4	
14. East Coolgardie	5,903	2		3	3					1		2	1								1	2	1			4	5	14	
15. Coolgardie	1,752		1	1	2					1													1				1	4	
16. Yilgarn	497											1		1														1	
17. Dundas	526			1	1																							1	
18. Phillips River	58																												
19. Donnybrook	80												1															1	
Tin	{ Greenbushes M.D. ... 306																												
	{ Marble Bar D. ... 49																												
	{ Day Dawn D. ... 2																												
Copper	{ Mt. Malcolm D. ... 67																												
	{ Phillips River G.F. ... 107																												
	{ West Pilbarra G.F. ... 34																												
Lead	{ Northampton and Yandanooka M.Ds. ... 8																												
Coal	{ Collie River Coal M.D. ... 400																												
Limestone	{ Yilgarn G.F. ... 10																												
Diamonds	{ Nullagine D. ... 5																												
Total	17,735	5	4	7	11		5		4		4	1	1	15	2							3	5	4		5	9	45	

APPENDICES.

Directory of Miscellaneous Information (Corrected to 30th June, 1901).

Goldfield.	District.	Warden.	Registrar.	Address.	Inspector of Mines.	Government Public Batteries.				List of Telegraph Stations in Goldfield, District, or Mining District.
						Where erected.	No. of Stampers.	Cyaniding Plants.	Manager.	
1. Kimberley ...	...	...	1* D. W. Green ...	Hall's Creek ...	...	...	...	...	...	Hall's Creek.
2. Pilbarra ...	Marble Bar ...	Axel Ostlund ...	Thos. H. Hannah	Marble Bar ...	...	...	...	...	...	Condon, Marble Bar, Port Hedland, Warrawoona.
Do. ...	Do. ...	...	1† H. D. Dawson	Bamboo Creek	...	...	...	...	...	Bamboo Creek.
Do. ...	Do. ...	...	1† W. Pleydell	Tambourah ...	...	...	...	...	...	Tambourah.
Do. ...	Nullagine ...	...	L. R. Sieveking ...	Nullagine ...	...	...	...	...	...	Nullagine.
3. West Pilbarra ...	...	1* A. Madden ...	L. Prince ...	Roebourne ...	...	...	...	...	...	Balla Balla, Cossack, Roebourne, Whim Creek, Via Onslow.
4. Ashburton ...	...	...	1* Abraham, Phelps	Mt. Mortimer, via Onslow	...	...	...	...	...	Via Carnarvon.
5. Gascoyne ...	...	...	1† C. H. Dunlop ...	Bangemall, via Carnarvon	...	...	...	...	...	Via Carnarvon.
6. Peak Hill ...	...	C. U. Bagot	Gerald Horgan ...	Peak Hill ...	W. F. Greenard (Cue)	Ravelstone ...	10	...	Norman Foote ...	Peak Hill
7. East Murchison ...	...	A. G. Clifton ...	T. Y. A. Lang ...	Lawlers ...	Northern Half Goldfield: W. F. Greenard; Southern Half Goldfield: J. Crabb	Lake Darlôt ...	10	...	F. S. Squires ...	Lawlers, Mount Sir Samuel, Wiluna (Lake Way).
8. Murchison ...	Cue ...	A. Hicks ...	J. E. Geary ...	Cue ...	...	Tuckanara ...	10	...	E. Dadd ...	Cuddingwarra, Cue, Tuckanarra.
Do. ...	Nannine ...	...	F. E. Walsh ...	Nannine ...	...	Meekatharra ...	1† 10	...	W. R. Jackson ...	Abbotts, Nannine, Star of the East.
Do. ...	Day Dawn ...	...	2†	...	W. F. Greenard (Cue)	...	...	...	...	Day Dawn, Lake Austin.
Do. ...	Mt. Magnet ...	...	W. O. Mansbridge	Mt. Magnet ...	...	Lennonville ...	10	1§	A. R. Fleming ...	Lennonville, Mt. Magnet.
Do. ...	Do. ...	...	...	...	...	Paynesville ...	2† 5	...	G. Le Feuvre	...
9. Yalgoo ...	...	*	J. M. Bridger ...	Yalgoo ...	...	...	...	...	...	Gullewa, Murgoo (Telephone), Yalgoo.
10. Mt. Margaret ...	Mt. Malcolm	A. E. Burt ...	W. H. Cocks ...	Mt. Malcolm ...	Josiah Crabb (Mt. Malcolm)	Mt. Leonora ...	10	...	J. M. D. Williams	Mount Leonora, Mount Malcolm, Murrin Murrin.
Do. ...	Mt. Margaret	...	A. L. G. Lefroy ...	Laverton ...	...	...	...	...	...	Laverton, Mount Morgan.
11. N. Coolgardie ...	Menzies ...	W. L. Owen ...	E. Y. Butler ...	Menzies ...	...	...	...	...	...	Davyhurst, Goongarrrie, Menzies.
Do. ...	Ularring ...	...	3†	...	...	Mt. Ida ...	10	...	John Twyford ...	Mulline, Mulwarrie.
Do. ...	Do. ...	...	...	...	J. O. Hudson, Menzies	Mulline ...	10	1§	Samuel Evans	...
Do. ...	Do. ...	...	...	...	...	Do. ...	3†	...	...	...
Do. ...	Niagara ...	...	H. E. D. Peers ...	Kookynie ...	...	Niagara ...	4† 10	...	William Ey ...	Niagara, Kookynie.
Do. ...	Yerilla ...	...	4†	...	...	...	...	...	...	Granites.
12. Broad Arrow ...	...	1* P. Troy ...	A. S. McIntosh ...	Broad Arrow ...	...	...	...	...	...	Bardoc, Black Flag, Broad Arrow, Paddington.
13. N. E. Coolgardie ...	Kanowna ...	P. Troy ...	G. F. Schloo ...	Kanowna ...	G. Jenkyn (Kanowna)	...	...	...	...	Kanowna.
Do. ...	Bulong ...	...	H. L. Reid ...	Bulong ...	...	...	...	...	...	Bulong.
Do. ...	Kurnalpi ...	...	5†	...	...	...	...	...	...	Kurnalpi.

ROYAL MINT, PERTH BRANCH.

On 20th June, 1899, His Excellency the Governor declared the Perth Branch of the Royal Mint to be open for the receipt of gold for coinage.

Subject to the Regulations, any person may deposit gold at the Mint in his own name. Those who cannot attend personally for the purpose may send the gold by an agent, through the post, or under Police escort.

A circular can be obtained from the Deputy Master of the Mint giving all necessary information for intending depositors, conditions of the Escort Service, Coining Regulations, etc., etc.

Parcels up to 43 ounces gross may be sent through the post.

An Escort Service is provided by the Police Department for parcels of all sizes. The consignor pays for the carriage by coach or train, but the escort charges are collected by the Mint.

Forms for use in connection with gold sent to the Mint by post or under Police escort can be obtained at the Mint.

The charges for the conversion of gold into coin are as follows:—

(1.) *For Assaying and Refining:*

A minimum charge of 4s. is made for all weights up to 48ozs.

From	50ozs. to	500ozs.	an addition at the rate of 10d. for every	10ozs. or part of	10ozs.
„	501ozs. „	1,000ozs.	„	„	20
„	1,001ozs. and upwards	„	„	„	100
					20ozs.
					100ozs.

(2.) *For Coining:*

For Deposits under 500ozs. standard	...	...	...	...	1½d. per oz.
For Deposits over 500ozs. standard	...	...	...	...	1d. per oz.

The following table illustrates the operations of these charges in cases of gold of the value of £3 17s. 10½d. an ounce:—

Weight of Deposit.	Rate of Charge per oz.			Amount of Charge.			Net Value of Deposit.
	Assaying and Refining.	Coining.	Total Rate.	Assaying and Refining.	Coining.	Total Charge.	
ounces.	d.	d.	d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
50	1·0	1·5	2·5	0 4 2	0 6 3	0 10 5	194 3 4
100	1·0	1·5	2·5	0 8 4	0 12 6	1 0 10	388 6 8
600	1·0	1·0	2·0	2 10 0	2 10 0	5 0 0	2,331 5 0
1,000	1·0	1·0	2·0	4 3 4	4 3 4	8 6 8	3,885 8 4
5,000	0·6	1·0	1·6	12 10 0	20 16 8	33 6 8	19,435 8 4
10,000	0·5	1·0	1·5	22 18 4	41 13 4	64 11 8	38,872 18 4

GOLD ESCORT SERVICE.

Table of Rates.

From	To	Period.	Rate per Ounce.	Remarks.	
Abbotts	Perth	Monthly	d. 5	Special Rate for Perth Mint only.	
Australia United Mine	Do.	Do.	2 $\frac{3}{4}$		
Burbanks	Do.	Fortnightly	0 $\frac{3}{4}$		
Coolgardie	Do.	Do.	0 $\frac{1}{4}$		
Cosmopolitan Propy., Ltd.	Do.	Monthly	1 $\frac{1}{4}$		
Cue	Do.	Do.	3		
Field's Find	Do.	Do.	4 $\frac{1}{2}$		
Geraldton	Do.	Do.	2		
Kalgoorlie	Do.	Fortnightly	0 $\frac{1}{4}$		Do.
Kanowna	Do.	Do.	0 $\frac{1}{2}$		Do.
King of the Hills	Do.	Monthly	2 $\frac{1}{4}$		Do.
Kookynie	Do.	Do.	1 $\frac{1}{4}$		Do.
Laverton	Do.	Do.	2 $\frac{3}{4}$		Do.
Lawlers	Do.	Do.	4		
Leonora	Do.	Do.	1 $\frac{1}{4}$		Do.
Menzies	Do.	Do.	0 $\frac{3}{4}$	Do.	
Mt. Malcolm	Do.	Do.	1 $\frac{1}{4}$	Do.	
Mt. Morgans	Do.	Do.	2 $\frac{1}{4}$	Do.	
Mt. Sir Samuel	Do.	Do.	4 $\frac{1}{2}$		
Munara Gully	Do.	Do.	3 $\frac{1}{2}$		
Nannine	Do.	Do.	4		
Niagara	Do.	Do.	1 $\frac{1}{4}$	Do.	
Norseman	Do.	Do.	2 $\frac{1}{4}$	Do.	
Northam	Do.	Fortnightly	Nil		
Peak Hill	Do.	Monthly	5 $\frac{1}{2}$	2,000ozs. to 2,500ozs. 2,500ozs. to 3,000ozs. Over 3,000ozs.	
			4 $\frac{3}{4}$		
Southern Cross	Do.	Fortnightly	Nil	1,500ozs. to 2,000ozs. Over 2,000ozs.	
			6 $\frac{1}{2}$		
Wiluna	Do.	Monthly	6	Special Rate for Perth Mint only.	
			2 $\frac{3}{4}$		
Yalgoo	Do.	Do.	1 $\frac{3}{4}$		
Yerilla	Do.	Do.	1 $\frac{3}{4}$		

Rates for carriage of gold on Government Railways :—

	Distance not over							
	25 miles.	50 miles.	100 miles.	150 miles.	200 miles.	250 miles.	300 miles.	350 miles.
Gold dust and bullion per 100ozs.	s. d. 1 0	s. d. 2 0	s. d. 3 0	s. d. 3 9	s. d. 4 6	s. d. 5 0	s. d. 5 6	s. d. 6 0

6d. per 100ozs. for every additional 50 miles.

NOTE.—A special reduction of 25 per cent. is made for all gold dust or bullion consigned to the Perth Mint.

To find the value per ounce of gold sent from a mine to the Mint.—Divide the standard gold by the weight before melting, and multiply the result by £31 7s. 10 $\frac{1}{2}$ d. For instance, supposing the Mint return to show :—

Weight before melting	...	...	...	...	Ozs. 47.41
Standard gold	...	...	...	...	38.19

The calculation would be as follows :—

4741)3819.0(.805	.805 × £31 7s. 10 $\frac{1}{2}$ d. =
3792.8	.805 × £3.894
	.805
26200	19470
28705	311520
2495	£3.134(670)
	20
	s. 2.680
	12
	d. 8.160 = £3 2s. 8d., value per ounce of gold as produced from the mine.

31st December, 1900.

J. F. CAMPBELL,
Deputy Master.