

1902.

WESTERN AUSTRALIA.

---

R E P O R T

OF THE

DEPARTMENT OF MINES

FOR THE YEAR

1901

[WITH WHICH IS INCORPORATED THE PRELIMINARY REPORT].

---

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

PERTH:

BY AUTHORITY: WM. ALFRED WATSON, GOVERNMENT PRINTER.

1902.

No. 3.

APPROXIMATE COST OF PAPER:

Printing (2,100 copies), £246 7s.

Lithographing Maps and Diagrams (2,100 copies), £79 14s. 3d.

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Hon. H. Gregory M.L.A.  
Minister for Mines.

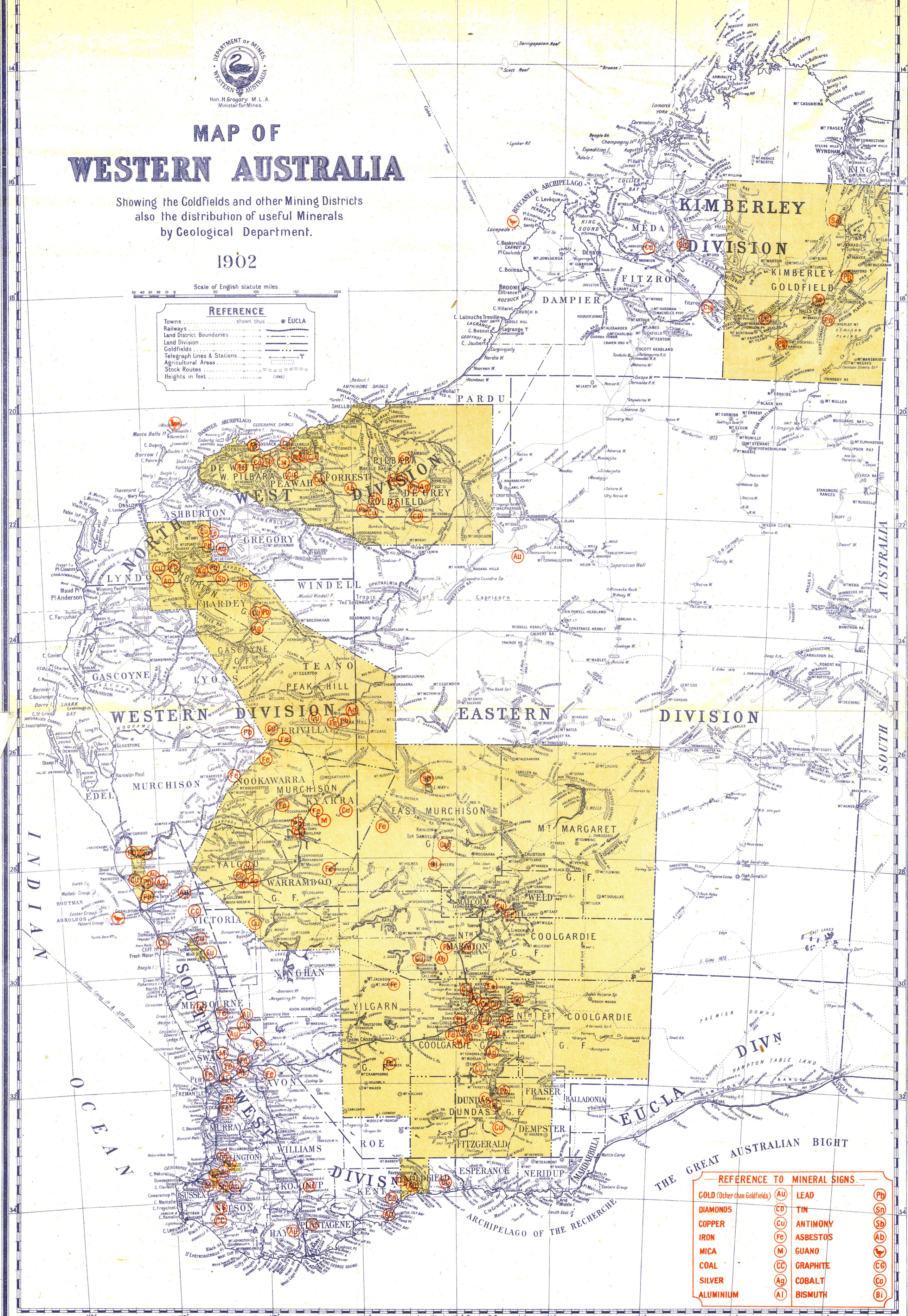
# MAP OF WESTERN AUSTRALIA

Showing the Goldfields and other Mining Districts  
also the distribution of useful Minerals  
by Geological Department.

1902

Scale of English statute miles

REFERENCE	
Towns	shown thus
Railways	
Land District Boundaries	
Land Division	
Goldfields	
Telegraph Lines & Stations	
Agricultural Areas	
Stock Routes	
Heights in feet	



REFERENCE TO MINERAL SIGNS.		
GOLD (Other than Goldfields)	Au	LEAD (Pb)
DIAMONDS	CD	TIN (Sn)
COPPER	Cu	ANTIMONY (Sb)
IRON	Fe	ASBESTOS (Ab)
MICA	M	GUANO (G)
COAL	CC	GRAPHITE (CG)
SILVER	Ag	COBALT (Co)
ALUMINIUM	Al	BISMUTH (Bi)



# COMMONWEALTH OF AUSTRALIA.

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## STATE OF WESTERN AUSTRALIA.

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### *Report of the Department of Mines of the State of Western Australia for the Year 1901.*

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*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 1901, with reports from the Wardens, the Inspectors of Mines, and other officers.

The mining statistics giving detailed information as to the output of the mines for the year 1901 and previous years, and containing other statistical information, are also submitted.

I have dealt with the various matters touched on in the Report under the following heads:—

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

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#### PART I.—GENERAL REMARKS.

In reviewing the progress of the Mining Industry for the year 1901, it is gratifying to be able to record a most successful year in almost all branches of the industry. While the total mineral output for the year 1899 had not previously been exceeded, that for the year 1900 showed a falling off in value of £167,906, while the value of the output for 1901 exceeds by £1,098,064 that of the year 1899. Though the value of the gold output shows the largest increase, the value of the output of all other minerals but lead and tin has substantially increased.

#### GOLD.

The output of 1,879,391ozs. for the year 1901 is the highest recorded, exceeding that for the year 1899, the highest previously recorded, by 235,514ozs., and showing an increase of 298,441ozs.; nearly 19 per cent. as compared with the output for 1900. Substantial increases in the outputs of the Murchison, East Murchison, Mount Margaret, North and East Coolgardie appear; increases ranging from 39 per cent. to 18 per cent. as compared with the previous year's yield. On the other



hand many of the goldfields show a decreased output; this is especially noticeable on the goldfields from Peak Hill Northwards, but though the fact is regrettable, the total decrease only amounts to about 14,000ozs. In some of the fields, such as the Ashburton, Gascoyne, and Kimberley, where there is a total absence of effective reducing plants, the decrease is accounted for by the partial working out of the known shallow alluvial deposits, while in others, such as Pilbarra and West Pilbarra, many of the workings have reached water level, and the owners, being without capital to provide machinery to sink deeper, have had to abandon their properties. The mines on the East Coolgardie Goldfield still maintain their richness, and with improved reduction plants have raised the output from that field alone to over a million ounces. In most of these mines development is well ahead of the reducing plants, especially in the Great Boulder mine, where a crosscut has been made to the lode at the 1,400ft. level, which was found to carry satisfactory values. The lode has been proved, by the diamond drill, to exist to a depth of 1,500ft. Outside the known mining centres no discoveries of note have been made. The Phillips River Goldfield, which was declared during 1900, has developed but slowly, owing to the absence of crushing facilities; but as several batteries are in course of erection, it is hoped that the production for the coming year will show a substantial addition to the output of the State.

#### TIN.

The output of black tin for the year was 734 tons, valued at £40,000, which shows a decrease as compared with the year 1900 of 89 tons; the decrease of the output from the Greenbushes Tinfield being 114 tons, while the Pilbarra field shows a slight increase of 25 tons. In the former field the want of an adequate water supply still operates to retard the progress of the district, and it cannot be said that any systematic effort on a sufficiently large scale has been made to work the many large but comparatively low-grade deposits which exist. The erection by the Government of a small tin-dressing plant was completed in December, but up to the end of the year no ore had been treated.

#### COPPER.

There has been some advance in copper mining during the year, the output of 10,157 tons of copper ore, showing an increase of 3,974 tons as compared with the previous year, the estimated value of the ore, raised being £75,246. In only one district, the Mount Malcolm, do operations appear to be carried on systematically, and this is the only district in which the ore is reduced to matte, water-jacket furnaces being erected at the mines. The ore from the Murchison, Northampton, West Pilbarra, Phillips River, and other producing districts is exported for treatment. In the latter district only the high-grade ore can be profitably exported, the cost of the carriage being heavy and the shipping facilities poor. There seems no doubt, however, that eminently payable copper lodes, carrying more or less gold, exist, and that the erection of local smelting works would result in the output of the field being largely increased. The unfortunate fall in the price of copper has had the effect of retarding the development of the copper fields of the State, making investors chary of investing capital in the development of the mines and the erection of reducing plants. A number of leases were taken up during the year in the Ashburton for copper as well as lead and silver mining, but little work has been done. The report of the geologist sent by the Department to examine the locality was highly favourable, and there can be little doubt that more will be heard of this district in the future.

#### COAL.

The output of the only coalfield, that at Collie, has remained practically stationary during the year, the output of 117,836 tons being 574 tons less than in



1900. Several causes have contributed to this result, one being a fire at one of the main producing collieries, the Wallsend, which materially reduced its output, while another was the non-production of coal from the West Collie mine for the latter part of the year, the seam that was being mined proving unprofitable. Another reason for the want of progress during the year is to be found in the inadequate supply of trucks for coal carrying purposes, which has resulted in the companies being unable to supply small consumers in Perth and Fremantle. This drawback should shortly be removed, and, with the advent of coal-cutting machinery and the consequent cheapening of production, a prosperous future should await this industry.

#### IRONSTONE AND LIMESTONE.

The output of ironstone is 20,569 tons, which has been used principally for fluxing purposes, and is greater by 8,318 tons than that for 1900. The output of limestone, 18,210 tons, is also greater by 2,283 tons than that of the previous year, but returns are available for only a small portion of the actual production of this mineral.

#### LEAD.

The production of this mineral has practically ceased. The Northampton mines, which for some time have been small producers, have practically closed, owing to the fall in the price of lead.

#### FUTURE PROSPECTS.

The results of mining operations in the State for the year 1901 afford much encouragement for the future. It is evident that goldmining will be the most important of the mineral industries for some time to come, though from the wide distribution and frequent occurrences of other minerals it is evident that they will materially add to the wealth of the State in the future. The fact of the material increases in the output of almost all the goldfields in which capital has been systematically expended, in many cases under great disadvantages arising from the unfavourable local conditions and the want of railway communication, cannot but lead to the conclusion that, with the extension of the railway system, many mines now unworked will become large producers. The completion of the Goldfields Water Scheme, which is within measurable distance, cannot but add to the prosperity of the Coolgardie district, while to the Kalgoorlie mines the supply of fresh water at a moderate price should lead to a very substantial reduction in the cost of treatment, which should result in increased dividends to the shareholders.

## PART II.—MINERALS RAISED.

TABLE 1.

*Quantity and Value of all the Minerals produced during 1900 and 1901.*

Description of Mineral.	1900.		1901.		Increase or Decrease for Year compared with 1900.	
	Quantity.	Value at the Mines.	Quantity.	Value at the Mines.	Quantity.	Value at the Mines.
1. Black Tin (raised), statute tons ...	823	£ 56,702	734	£ 40,000	— 89	— 16,702
2. Coal (raised) do. ...	118,410	54,835	117,836	68,561	— 574	+ 13,726
3. Copper Ore (raised) do. ...	6,183	43,673	10,157	75,246	+ 3,974	+ 31,573
4. Gold { Export, ounces, troy ...	999,767	} 6,007,610	{ 1,019,110	} £ 7,235,653	+ 298,441	+ 1,228,043
{ Mint do. ...	581,183					
5. Ironstone (raised), statute tons ...	12,251	9,258	20,569	13,246	+ 8,318	+ 3,988
6. Lead Ore (raised) do. ...	268	533	9	109	— 259	— 424
7. Limestone (raised) do. ...	15,927	3,594	18,210	4,348	+ 2,283	754
8. Mica (exported) do. ...	*	3	...	...	...	— 3
9. Precious Stones (exported), carats ...	...	...	*	1,000	...	+ 1,000
10. Silver (exported), ounces, troy ...	28,749	3,594	60,869	7,609	+ 32,120	+ 4,015
Total Values ...	...	6,179,802	...	7,445,772	...	+ 1,265,970

\* Weight not stated.

† £3 16s. per ounce.

‡ £3 17s. per ounce.



The preceding table shows a comparison between the mineral output of the years 1900 and 1901. The amount of limestone raised is much understated, as returns could only be obtained for limestone used for flux and that produced from mineral leases granted by the Crown.

The value of the gold produced bears practically the same proportion to the total value of minerals raised as it did in 1900, viz., 97·2 per cent.

No silver mines are being worked, the amount of silver given in the table having been obtained as a by-product.

The value of the minerals produced for the year 1901 exceeds that for any previous year, exceeding the value of the yield for 1899, the largest that has previously been recorded, by £1,098,064.

TABLE 2.

*Summary of the Gold Exported and received at the Perth Branch of the Royal Mint during 1900 and 1901, compared with the yields reported to the Mines Department; also the percentage of the latter for the several Goldfields, and the average yield per ton of Ore milled.*

Goldfield.	Export and Mint.		Reported Yield.					
	1900.	1901.	1900.	1901.	Percentage for each Goldfield.		Average per ton of ore milled.	
					1900.	1901.	1900.	1901.
	ozs.	ozs.	ozs.	ozs.			ozs.	ozs.
1. Kimberley ... ..	677	663	571	297	·04	·02	·40	·72
2. Pilbarra ... ..	17,140	11,320	16,617	10,265	1·10	·56	2·43	1·65
3. West Pilbarra ... ..	722	481	964	231	·06	·01	·87	1·97
4. Ashburton ... ..	524	64	1,704	992	·11	·05	...	...
5. Gascoyne ... ..	86	26	74	90	·01	·01	...	...
6. Peak Hill ... ..	28,670	21,607	26,572	20,255	1·76	1·10	1·63	·84
7. East Murchison ... ..	58,369	77,604	64,698	76,236	4·27	4·14	1·11	·89
8. Murchison ... ..	108,697	144,694	105,722	146,592	6·98	7·96	1·05	1·27
9. Yalgoo ... ..	9,369	9,198	10,102	9,238	·67	·50	·62	·70
10. Mount Margaret ... ..	141,523	198,808	145,689	190,032	9·62	10·32	1·09	·76
11. North Coolgardie ... ..	106,193	142,798	106,774	148,305	7·05	8·05	1·16	1·36
12. Broad Arrow ... ..	47,861	29,105	52,433	34,675	3·46	1·88	·69	·74
13. North-East Coolgardie ... ..	52,129	50,557	70,746	63,652	4·67	3·46	·71	·95
14. East Coolgardie ... ..	810,907	1,033,670	737,971	991,369	48·75	53·84	1·49	1·42
15. Coolgardie ... ..	119,781	88,601	102,413	84,754	6·77	4·60	·75	·67
16. Yilgarn ... ..	29,418	29,488	29,155	26,587	1·93	1·44	·53	1·00
17. Dundas ... ..	40,687	38,796	41,084	37,084	2·71	2·01	·83	·94
18. Phillips River ... ..	...	...	39	713	...	·04	...	1·17
19. Donnybrook ... ..	266	5	453	4	·03	...	1·26	·08
Goldfields generally ... ..	7,931	1,906	146	127	·01	·01	...	...
Totals and Averages ... ..	1,580,950	1,879,391	1,513,917	1,841,498	100·00	100·00	1·14	1·15
Fine Contents ... ..	1,414,311	1,703,417	1,354,343	1,669,072	...	...	...	...

In comparing the outputs of the various fields, the figures given under the heading of "Reported Yield" should, as a general rule, be taken. Most of the gold produced finds its way to the Mint, or is exported from the State, and thus the result of the addition of the Mint and Customs returns can be taken to be the total production of the State.

The large discrepancy between the Export and the Mint figures for the East Coolgardie Goldfield is accounted for, to a great extent, by the fact of a good deal of ore from outlying centres being treated at Kalgoorlie, the resulting gold being banked there and entered for export as being the product of that centre.

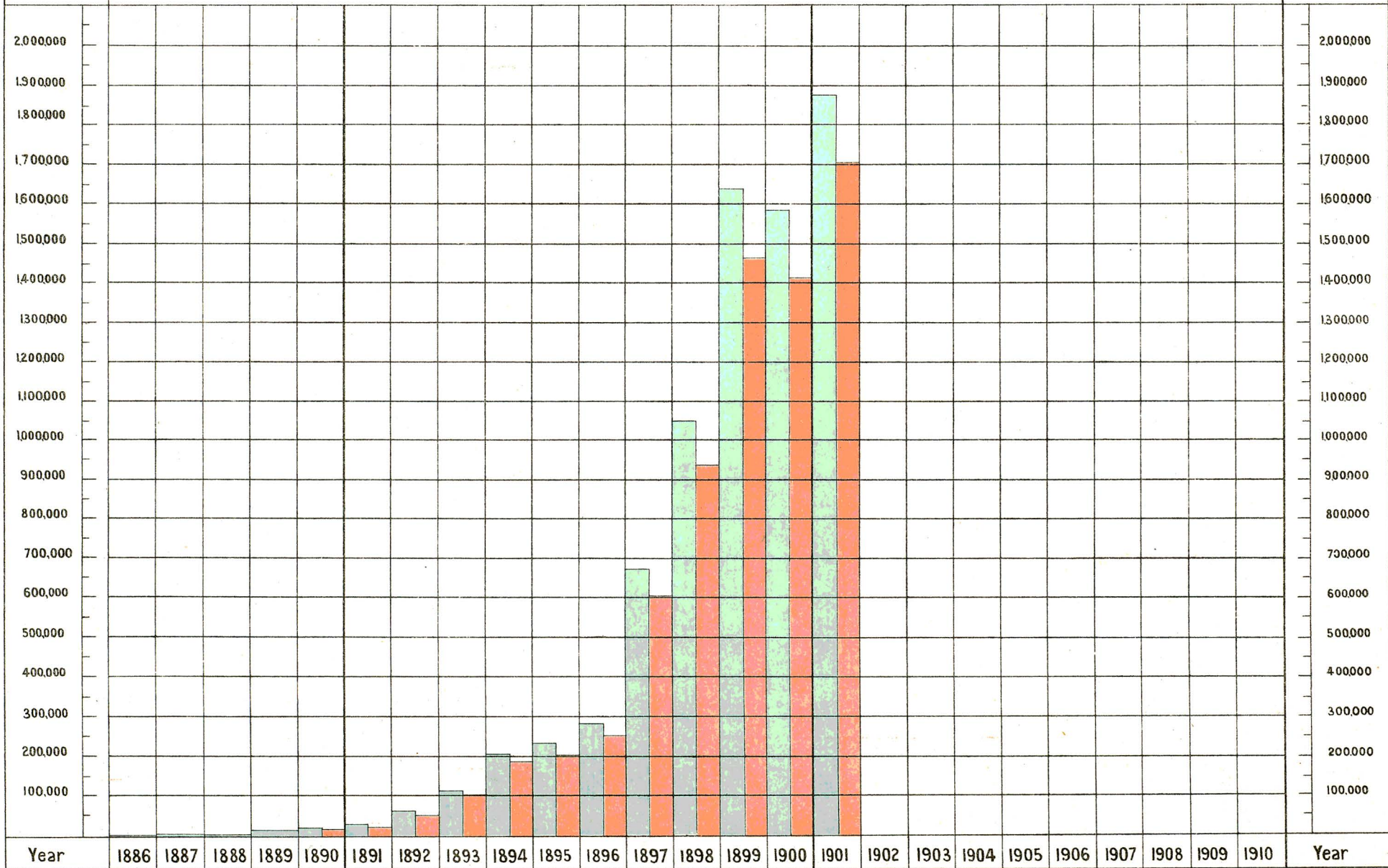




Ounces

## DIAGRAM

OF GOLD OUTPUT, SHEWING THE GROSS WEIGHT AND FINE CONTENTS OF GOLD EXPORTED AND RECEIVED AT THE PERTH MINT FROM THE YEAR 1886 ONWARDS

Ounces


 Gross weight exported & received at Perth Mint.

 Fine contents exported & received at Perth Mint.



The East Coolgardie Goldfield is still responsible for more than half the total yield of the State, it having produced nearly 54 per cent. of the total reported yield. The Mount Margaret Goldfield again takes second place with a yield of 190,032ozs., which shows an increase of about 30 per cent. as compared with the previous year, and represents slightly over 10 per cent. of the total output of the State. The North Coolgardie and the Murchison Goldfields follow with yields of 148,305ozs. and 146,592ozs. respectively, which shows the substantial increase of 39 per cent. in each case, as compared with the previous year.

It cannot but be regarded as satisfactory that the average return per ton of ore milled has been maintained during the year. Decreases in the average appear in the Mount Margaret and several of the other goldfields, while in others, such as the North Coolgardie and the Murchison, the average has improved.

TABLE 3.

*Number of Gold-producing Mines in the several Goldfields and Districts during 1900 and 1901.*

Goldfield.	District.	1900.		1901.	
		District.	Goldfield.	District.	Goldfield.
Kimberley ...	...	...	3	...	1
Pilbarra ...	{ Marble Bar ...	30	} 45	{ 22	} 37
	{ Nullagine ...	15		{ 15	
West Pilbarra ...	...	...	5	...	2
Ashburton ...	...	...	...	...	...
Gascoyne ...	...	...	...	...	...
Peak Hill ...	...	...	17	...	8
East Murchison ...	...	...	54	...	55
Murchison ...	{ Cue ...	63	} 188	{ 52	} 189
	{ Nannine ...	39		{ 47	
	{ Day Dawn ...	20		{ 17	
	{ Mt. Magnet ...	66		{ 73	
Yalgoo ...	...	...	17	...	14
Mt. Margaret ...	{ Mt. Malcolm ...	69	} 117	{ 52	} 116
	{ Mt. Margaret ...	48		{ 64	
	{ Menzies ...	47		{ 58	
North Coolgardie	{ Ularring ...	91	} 221	{ 72	} 226
	{ Niagara ...	43		{ 61	
	{ Yerilla ...	40		{ 35	
	{ ...	...		{ ...	
Broad Arrow ...	...	...	47	...	40
N.E. Coolgardie ...	{ Kanowna ...	61	} 68	{ 51	} 70
	{ Bulong ...	15		{ 17	
	{ Kurnalpi ...	2		{ 2	
East Coolgardie ...	...	...	50	...	64
Coolgardie ...	{ Coolgardie ...	97	} 176	{ 96	} 158
	{ Kunanalling ...	79		{ 62	
Yilgarn ...	...	...	20	...	17
Dundas ...	...	...	46	...	45
Phillips River ...	...	...	2	...	6
Donnybrook ...	...	...	3	...	1
	Total ...	...	1,079	...	1,049

It will be seen from the above tables that the decrease of 30 in the number of producing mines is principally accounted for by the closing of 22 mines on the goldfields from Peak Hill Northwards; the only other noticeable decreases in the producing mines occur in the Broad Arrow Goldfield and in the Kunanalling district of the Coolgardie Goldfield.



TABLE 4.

*Increase or Decrease in Output of certain large producing Mines in 1901, as compared with 1900.*

GOLDFIELD.	DISTRICT.	NAME OF MINE.	PRODUCTION.		Increase or decrease for year, compared with 1900.
			1900.	1901.	
			ozs.	ozs.	ozs.
1.	Peak Hill	Peak Hill Goldfields, Ltd.	24,488	19,884	- 4,604
2.	East Murchison	Yellow Aster	5,330	8,726	+ 3,396
3.	Do.	Fingall Reefs Extended, Ltd.	...	5,433	+ 5,433
4.	Do.	East Murchison United, Ltd.	26,075	30,818	+ 4,743
5.	Do.	Bellevue Consolidated, Ltd.	8,499	11,445	+ 2,946
6.	Murchison	Day Dawn	8,525	67,045	+ 58,520
7.	Do.	Mt. Magnet	13,814	13,016	- 798
8.	Do.	do.	6,233	6,949	+ 716
9.	Yalgoo	Field's Find G.Ms., Ltd.	5,952	7,392	+ 1,540
10.	Mt. Margaret	Mt. Malcolm	53,589	63,490	+ 14,901
11.	Do.	do.	8,085	10,450	+ 2,365
12.	Do.	do.	6,965	2,566	- 4,399
13.	Do.	Mt. Margaret	4,058	6,282	+ 2,224
14.	Do.	do.	538	6,251	+ 5,713
15.	Do.	do.	6,624	7,827	+ 1,213
16.	Do.	do.	377	10,171	+ 9,794
17.	Do.	do.	25,868	37,364	+ 11,496
18.	North Coolgardie	Menzies	20,579	24,572	+ 3,993
19.	Do.	do.	7,427	8,572	+ 1,145
20.	Do.	do.	7,667	9,172	+ 1,505
21.	Do.	Ularring	1,746	6,088	+ 4,342
22.	Do.	Niagara	1,850	8,244	+ 6,394
23.	Do.	do.	+ 14,249	23,882	+ 9,633
24.	Broad Arrow	Golden Arrow Mine, Ltd.	1,577	5,196	+ 3,619
25.	Do.	New Austral Co., Ltd.	10,279	6,902	- 3,377
26.	Do.	Paddington Consols, Ltd.	16,956	4,960	- 11,996
27.	N.E. Coolgardie	Kanowna	10,728	14,492	+ 3,764
28.	Do.	Bulong	10,447	7,337	- 3,110
29.	East Coolgardie	...	34,183	31,624	- 2,659
30.	Do.	Associated Northern Blocks (W.A.), Ltd.	10,218	37,270	+ 27,052
31.	Do.	Golden Horseshoe Estates Co., Ltd.	132,863	185,297	+ 52,434
32.	Do.	Great Boulder Main Reef, Ltd.	22,050	26,649	+ 4,599
33.	Do.	Great Boulder Perseverance G.M. Co., Ltd.	47,098	134,302	+ 87,204
34.	Do.	Great Boulder Proprietary G.Ms., Ltd.	115,908	152,161	+ 36,253
35.	Do.	Hannan's Central Extended G.M. Co., N.L.	...	6,302	+ 6,302
36.	Do.	Hannan's Star G.Ms., Ltd.	2,373	12,064	+ 9,691
37.	Do.	Hannan's Oroya G.M. Co. (W.A.), Ltd.	5,800	...	- 5,800
38.	Do.	Ivanhoe Gold Corporation, Ltd.	107,051	108,767	+ 1,716
39.	Do.	Kalgurli G.Ms., Ltd.	15,632	19,222	+ 3,590
40.	Do.	Lake View Consols, Ltd.	98,770	153,858	+ 55,088
41.	Do.	North Boulder G.M. Co., Ltd.	5,347	2,773	- 2,574
42.	Do.	South Kalgurli G.Ms., Ltd.	11,003	19,470	+ 8,467
43.	Do.	Hannan's Brown Hill G.M. Co., Ltd.	80,756	55,737	- 25,029
44.	Do.	Hannan's Proprietary Development Co., Ltd.	4,344	2,826	- 1,518
45.	Do.	Hannan's Reward, Ltd.	3,092	5,894	+ 2,802
46.	Coolgardie	Coolgardie	8,558	6,407	- 2,151
47.	Do.	do.	19,072	19,734	+ 662
48.	Do.	do.	23,145	5,617	- 17,528
49.	Do.	do.	6,415	5,575	- 840
50.	Yilgarn	Mines Development Syndicate, Ltd. (late Fraser's G.M. Co., N.L.)	13,054	19,750	+ 6,696
51.	Do.	Fraser's South Extended G.M. Co., Ltd.	6,152	532	- 5,620
52.	Dundas	Break-o'-Day	4,465	1,073	- 3,392
53.	Do.	Lady Mary leases	1,935	2,548	+ 613
54.	Do.	Norseman G.Ms., Ltd.	10,821	7,366	- 3,455
55.	Do.	Princess Royal G.M. Co., N.L.	18,464	17,418	- 1,046
		Total	1,116,994	1,479,652	+ 362,668

+ Includes 247ozs from Altona leases, omitted from 1900 Report.

Out of above 55 mines, 37 produced 462,564ozs. more and 18 produced 99,896ozs. less than in 1900, being a net increase of 362,668ozs.



**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 1901.**

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

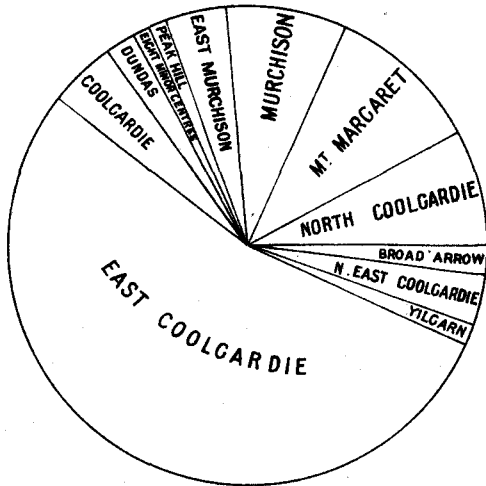


Fig. 2 Gold produced from various Goldfields as given by the Export and Mint returns

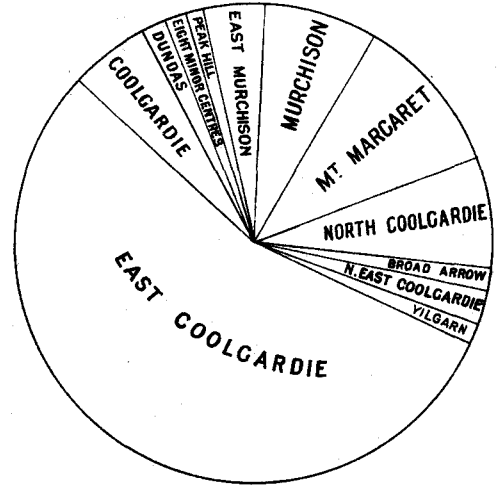


Fig. 3 Value of Gold and other minerals

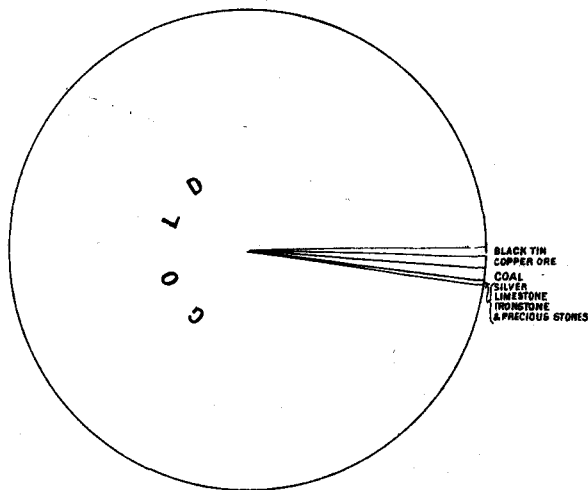


Fig. 4 Value of Minerals other than Gold

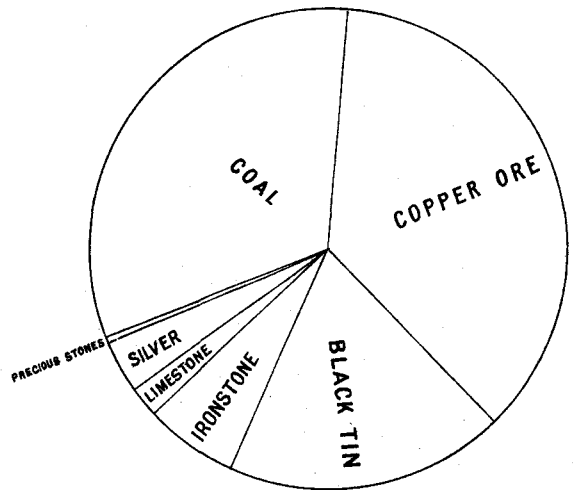


Fig. 5 Areas of Land leased for Gold Mining on the various Goldfields

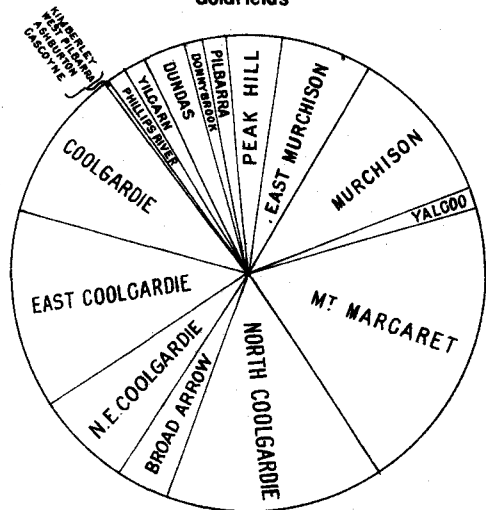


Fig. 6 Output of Gold in the States of Australia, The Colonies of New Zealand & New Guinea.

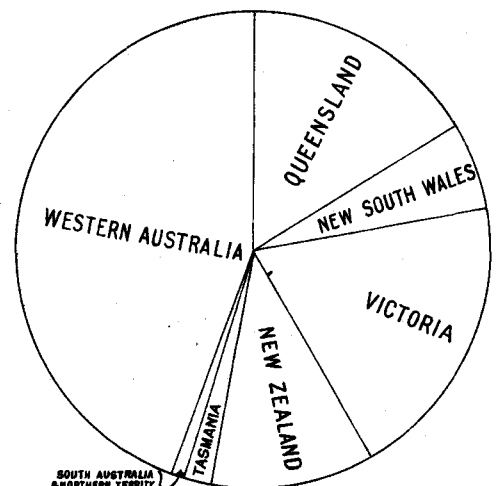




TABLE 5.

*Averages of Gold Ore raised, and Ounces of Gold produced therefrom, per man employed on the several Goldfields of the State, during 1900 and 1901.*

GOLDFIELD.	1900.				1901.			
	Tons of Gold Ore raised.		Ounces of Gold produced.		Tons of Gold Ore raised.		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 ... ..	146.50	83.71	60.00	34.28	61.66	30.83	44.35	22.17
2. Pilbarra ... ..	121.06	55.62	294.11	135.13	42.97	26.28	70.94	43.39
3. West Pilbarra ... ..	34.05	13.09	29.80	11.46	24.00	9.60	47.25	18.90
4. Ashburton ... ..	...	...	...	...	...	...	...	...
5. Gascoyne ... ..	...	...	...	...	...	...	...	...
6. Peak Hill ... ..	72.56	45.91	118.51	74.99	140.50	69.44	118.45	58.54
7. East Murchison ... ..	137.82	65.20	154.18	72.94	195.88	98.85	174.96	88.30
8. Murchison ... ..	128.03	67.17	134.82	70.74	144.40	73.14	184.08	93.23
9. Yalgoo ... ..	113.83	69.00	71.62	43.42	149.06	75.82	104.79	53.30
10. Mt. Margaret ... ..	137.49	71.75	149.49	78.02	196.48	115.98	149.97	88.53
11. North Coolgardie ... ..	111.05	60.08	129.05	69.82	111.85	61.76	151.91	83.89
12. Broad Arrow ... ..	204.71	113.76	141.21	78.47	200.63	109.39	149.26	81.38
13. North-East Coolgardie ... ..	138.92	82.22	98.27	58.16	113.25	69.12	107.96	65.90
14. East Coolgardie ... ..	178.87	83.30	266.88	124.28	242.76	109.90	345.97	156.63
15. Coolgardie ... ..	139.50	75.96	105.31	57.34	159.89	91.49	107.43	61.47
16. Yilgarn ... ..	227.62	109.46	121.98	58.66	217.45	90.23	217.74	90.35
17. Dundas ... ..	153.17	93.18	127.75	77.72	132.32	77.36	125.10	73.15
18. Phillips River ... ..	...	...	...	...	5.20	3.20	6.10	3.76
19. Donnybrook ... ..	8.37	4.50	10.53	5.66	1.05	.59	.08	.05
Total Averages ... ..	149.97	76.99	171.31	87.95	182.35	93.87	209.89	108.04

It will be seen from the above table that the number of tons of gold ore raised and the number of ounces of gold produced per man employed above and underground is 93.87 tons and 108.04ozs. respectively, as against 76.99 tons and 87.95ozs. in 1900. As the number of men employed in the mines is practically the same as for last year, it would appear that better work is being done by the miners, and that more systematic methods of mining and ore reducing are practised.

TABLE 6.

*Output of Gold from the several States of Australia and the Colonies of New Guinea and New Zealand during 1901.*

STATE.	Gross weight.	Fine contents.	Value.	Percentage of Value of Total Output.
	ozs.	ozs.	£	£
1. Western Australia ... ..	1,879,390	1,703,416	7,235,653	45.29
2. Queensland ... ..	835,553	598,382	2,541,892	15.91
3. Victoria ... ..	789,562	730,449	3,102,753	19.42
4. New South Wales ... ..	267,061	216,888	921,282	5.77
5. Tasmania ... ..	†	69,491	295,176	1.85
6. { South Australia ... ..	4,918	{ 3,911 } 21,946	{ 16,613 } 93,222	.58
{ and Northern Territory ... ..	22,581			
New Guinea * ... ..	9,188	7,685	32,646	.20
New Zealand . . . . .	455,561	412,875	1,753,783	10.98
Total ... ..	4,263,814	3,761,132	15,976,407	100.00

\* Financial year ended 30th June, 1901.

† 54,113.50ozs., valued £202,926, and 21,718ozs. fine gold.



TABLE 7.

*Quantity and Value of Minerals, other than Gold, reported to the Mines Department during 1901.*

Goldfield, District, or Mining District.	Quantity.	Value.	Increase or decrease for year compared with 1900.	
			Quantity.	Value.
	tons.	£	tons.	£
<b>BLACK TIN.</b>				
Greenbushes Mining District ... ..	321·34	18·852	— 114·28	— 10,676
Pilbarra Goldfield (Marble Bar District) ...	412·98	21·148	+ 25·11	— 6,026
Total ... ..	734·32	40·000	— 89·17	— 16,702
<b>COPPER ORE.</b>				
Murchison Goldfields (Day Dawn District) ..	10·50	76	+ 5·35	— 15
Mt. Margaret Goldfield (Mt. Malcolm District)	7,660·00	40·738	+ 3,121·00	+ 10,020
Northampton Mining District ... ..	38·50	277	+ 38·50	+ 277
Phillips River Goldfield ... ..	1,285·89	18·264	+ 1,251·89	+ 17,539
West Pilbarra Goldfield ... ..	1,162·00	15·891	— 443·00	+ 3,752
Total ... ..	10,156·89	75·246	+ 3,973·74	+ 31,573
<b>IRONSTONE.</b>				
From State generally ... ..	20,569·00	13·246	+ 8,318·00	+ 3,988
<b>LEAD ORE.</b>				
Ashburton Goldfield ... ..	9·09	109	+ 9·09	+ 109
Northampton Mining District ... ..	...	...	+ 268·00	— 533
Total ... ..	9·09	109	— 258·91	— 424
<b>LIMESTONE.</b>				
Yilgarn Goldfield ... ..	1,642·00	919	+ 1,372·15	+ 646
From State generally ... ..	16,568·00	3,429	+ 911·00	+ 108
Total ... ..	18,210·00	4,348	+ 2,283·15	+ 754
<b>SILVER.</b>				
Ashburton Goldfield ... ..	ozs. 356·26	43	ozs. + 356·26	+ 43

As far as can be ascertained, the number of men employed in Tin Mining during the year is greater than in 1900, and the falling off in the production of the Greenbushes tinfield is to be deplored, though in the Pilbarra Goldfield there has been a slight increase in the production. In both districts the supply of water for treating the tin is inadequate, though in the former district a plentiful supply is available within a few miles, and efforts are being made to obtain it. In neither of these districts are the tinfields being worked in a manner calculated to develop their resources to the utmost.

The figures in the table show a substantial improvement in Copper mining. Considering the drawbacks in the way of transport and shipping facilities to the development of the Phillips River Goldfield, the amount of copper ore raised is encouraging. All the ore that has been treated has been shipped to smelters in the Eastern States, and only high-grade ore will pay to ship.

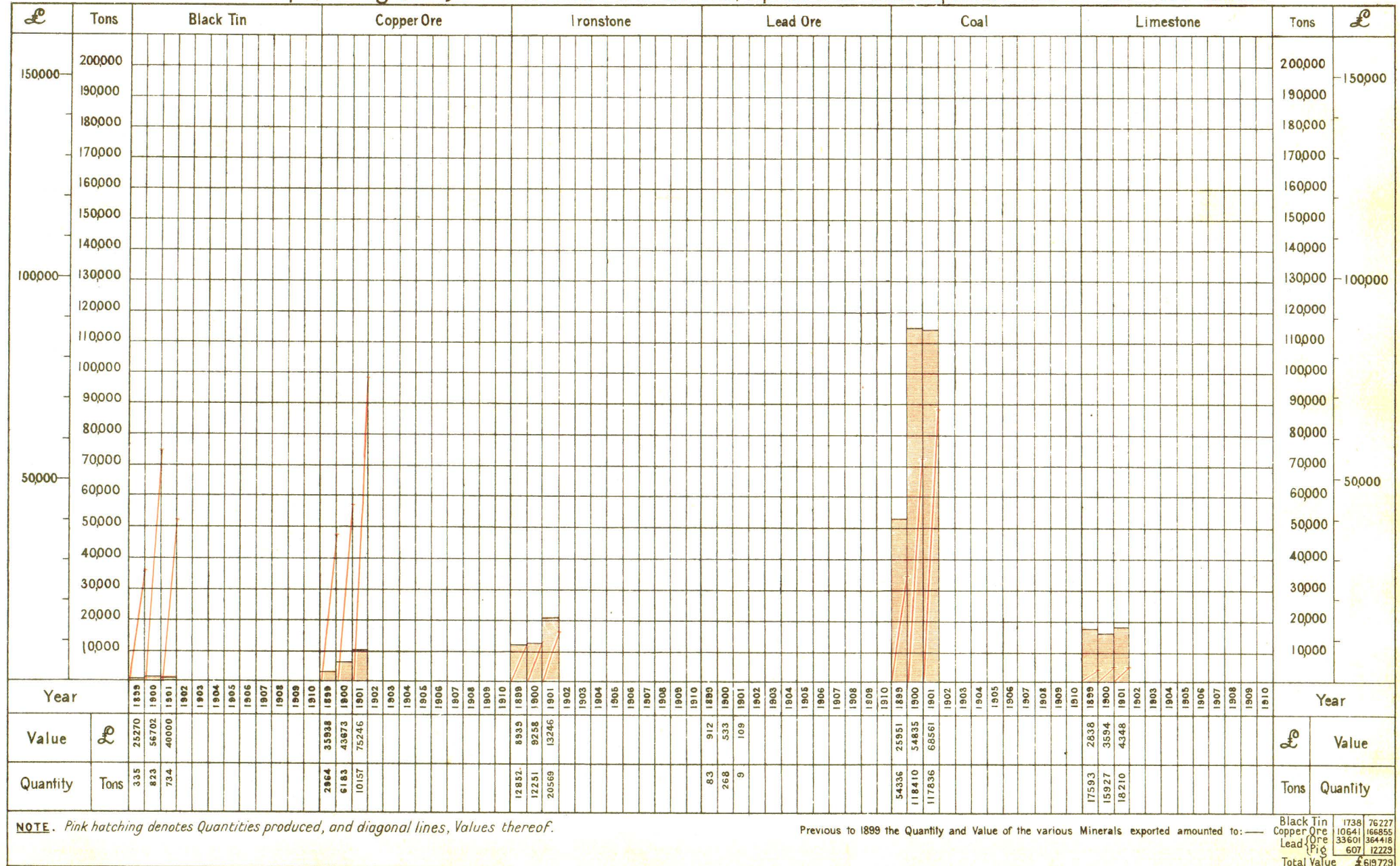
TABLE 8.

*Quantity of Coal raised during 1900 and 1901, and estimated Value thereof, with Number of Men employed and Output per Man.*

Coalfield.	Year.	Quantity Raised.	Estimated Value.	Men Employed.		Quantity Raised.	
				Above Ground.	Under Ground.	Per Man employed under ground.	Per Man employed above and under ground.
		tons.	£			tons.	tons.
Collie ... ..	1900	118,410	54,835	104	296	400	296
	1901	117,836	68,561	104	279	422	308

# DIAGRAM

of the Mineral Output, showing Quantity & Value of Minerals other than Gold, reported to the Mines Department from the Year -1899- onwards



NOTE. Pink hatching denotes Quantities produced, and diagonal 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	33601	364418
Coal	607	12229
<b>Total Value</b>		<b>£619729</b>



TABLE 9.  
Dividends paid by Western Australian Gold Mining Companies during 1900 and 1901.  
(Compiled in the Statistical Office, Registrar General's Department.)

Goldfield.	Name of Company.	Par value of Shares.	Paid up to	Nominal Capital.	No. of Shares issued.	1900.		1901.	
						No. of Dividends paid.	Total Amount paid.	No. of Dividends paid.	Total Amount paid.
		£ s. d.	£ s. d.	£	£		£		£
Peak Hill ... ..	Peak Hill Goldfields, Ltd. ... ..	1 0 0	1 0 0	300,000	289,000	2	50,000	...	...
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	...	...
Murchison ... ..	Great Fingall Consolidated Gold Mines, Ltd. ... ..	1 0 0	1 0 0	125,000	125,000	...	...	2	62,500
	Island Eureka G.M. Co., Ltd. ... ..	0 2 6	0 0 3½	10,000	80,000	...	...	8	4,333
	Long Reef G.M. Co., Ltd. ... ..	1 0 0	1 0 0	150,000	133,400	...	...	1	3,335
Mount Margaret ... ..	Sons of Gwalia, G.M. Co., Ltd. ... ..	1 0 0	1 0 0	350,000	318,000	1	30,000	1	31,800
	Westralia Mt. Morgans, G.M. Co., Ltd. ... ..	1 0 0	1 0 0	125,000	114,500	3	31,902	4	43,603
	Lancefield G.M. Co., Ltd. ... ..	1 0 0	1 0 0	25,000	21,600	4	1,440	12	4,320
North Coolgardie ... ..	Lady Shenton G.M., Ltd. ... ..	1 0 0	1 0 0	160,000	160,000	1	4,000	2	12,000
	Queensland Menzies G.M. Co., N.L. ... ..	0 5 0	0 4 6	33,000	132,000	2	3,300	3	9,900
	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	3	12,000	3	12,000
	Queen Margaret G.M. Co., Ltd. ... ..	1 0 0	1 0 0	100,000	95,050	2	4,752	1	3,564
East Coolgardie ... ..	Associated Gold Mines of W.A., Ltd. ... ..	1 0 0	1 0 0	500,000	500,000	1	33,750	...	...
	Hannans Oroya, G.M. Co., Ltd. ... ..	1 0 0	1 0 0	250,000	240,000	1	9,491	...	...
	Great Boulder Main Reef, Ltd. ... ..	0 10 0	0 10 0	130,000	260,000	1	13,000	1	13,000
	Great Boulder Proprietary, G.M., Ltd. ... ..	0 2 0	0 2 0	175,000	1,750,000	3	131,250	3	175,000
	Hannan's Brown Hill G.M. Co., Ltd. ... ..	1 0 0	1 0 0	225,000	155,000	4	193,625	1	37,000
	Ivanhoe Gold Corporation, Ltd. ... ..	5 0 0	5 0 0	1,000,000	200,000	5	250,000	3	95,000
	Lake View Consols, Ltd. ... ..	1 0 0	1 0 0	250,000	250,000	3	312,500	2	125,000
	Golden Horseshoe Estates Co., Ltd. ... ..	5 0 0	5 0 0	1,500,000	300,000	3	225,000	4	345,000
	Associated Northern Blocks, Ltd. ... ..	1 0 0	1 0 0	350,000	350,000	...	...	1	87,500
Coolgardie ... ..	Kalgurli Gold Mines, Ltd. ... ..	1 0 0	1 0 0	120,000	120,000	...	...	1	15,000
	Burbanks 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 13 6	50,000	50,000	5	6,250	...	...
	Bayley's United G.M. Co., Ltd. ... ..	0 5 0	0 4 3	155,000	620,000	2	31,000	...	...
	Vale of Coolgardie G.M., Co., Ltd. ... ..	1 0 0	1 0 0	90,000	75,000	3	5,625	...	...
Yilgarn ... ..	Fraser's South Extended G.M. Co., N.L. ... ..	1 0 0	1 0 0	100,000	99,489	3	3,731	...	...
Dundas ... ..	Princess Royal G.M. Co., Ltd. ... ..	0 10 0	*	40,000	80,000	3	12,000	3	12,000
	Total ... ..	...	...	...	...	...	£1,392,866	...	£1,091,855

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

As pointed out elsewhere, the slight decrease in the output of coal is due to several causes, the principal of which were the closing down of one of the producing mines, and the partial closing of another, owing to some of the workings being inaccessible on account of a fire.

The preceding table gives only the dividends that have actually been paid during the year; several large dividends were declared towards the latter end of the year, but were not payable until early in 1902. It is gratifying to note that five mines appear for the first time as dividend-paying mines.

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

TABLE 10.  
*Total Number and Acreage of Leases held for Mining on 31st December, 1900 and 1901.*

Title of Act under which held.	1900.		1901.	
	No.	Acreage.	No.	Acreage.
Goldfields Acts ... ..	2,546	35,814	2,482	34,192
Mining on Private Property Acts (Gold) ...	15	210	21	306
Sluicing and Dredging Act (Gold) ... ..	6	12,020	2	1,040
Mineral Lands Acts ... ..	331	36,716	374	36,411
Totals ... ..	2,898	84,760	2,879	71,949

Though there has been a large decrease of 12,811 acres in the amount of land leased for mining in 1901, as compared with 1900, the falling off is not a serious one. Of the total decrease, 10,980 acres appears under the Sluicing and Dredging Act, under which large areas of land of problematical value were taken up for dredging in salt lakes; comparatively little prospecting and no dredging was done in these areas. Under the Goldfields and Mining (for Gold) on Private Property Acts a total decrease of but 1,526 acres appears, and the total acreage under the Mineral Lands Act is but 305 acres less than in 1900.



TABLE II.

Number and Acreage of Gold Mining Leases in force on 31st December each year for the Five Years ending 31st December, 1901.

GOLDFIELDS.		DISTRICTS.		1897.		1898.		1899.		1900.		1901.		Percentage of Total Acreage.		Increase or Decrease for 1901 as compared with 1900.		GOLDFIELDS.
Name.	Date Proclaimed.	Name.	Date Proclaimed.	Leases.	Acreage.	Leases.	Acreage.	Leases.	Acreage.	Leases.	Acreage.	Leases.	Acreage.	1900.	1901.	Increase.	Decrease.	
Kimberley	20-5-1886	...	...	3	32	3	32	3	32	4	38	3	19	·11	·05	...	19	Kimberley
Yilgarn	1-10-1888	...	...	76	1,140	43	732	46	788	48	765	32	497	2·12	1·44	...	268	Yilgarn
Pilbarra	1-10-1888	Marble Bar	6-11-1896	72	773	95	855	34	277	43	379	36	316	1·47	1·48	...	20	Pilbarra
Ashburton	11-12-1890	Nullagine	6-11-1896	16	164	15	152	24	195	16	150	16	193	...	...	...	...	Ashburton
				3	42	2	24	...	...	...	...	...	...	...	...	...	...	
Murchison	24-9-1891	Cue	10-1-1896	106	1,111	89	929	78	776	70	678	92	800	...	...	...	...	Murchison
		Nannine	7-12-1894	76	772	73	752	105	1,119	110	1,266	75	891	9·70	10·52	101	...	Murchison
		Day Dawn	10-1-1896	66	651	63	610	53	503	63	679	96	1,099	...	...	...	...	Murchison
		Mount Magnet	7-12-1894	107	1,011	139	1,371	115	1,047	95	906	91	840	...	...	...	...	Murchison
Dundas	31-8-1893	...	...	188	2,382	126	1,547	110	1,352	93	1,164	85	986	3·23	2·86	...	178	Dundas
Coolgardie	6-4-1894	Coolgardie	1-9-1897	417	5,184	299	3,860	272	3,427	212	2,786	197	2,464	12·09	10·61	...	697	Coolgardie
		Kunanalling	1-9-1897	213	2,849	136	1,799	122	1,583	123	1,570	96	1,195	...	...	...	...	Coolgardie
East Coolgardie	1-10-1894	...	...	665	11,634	491	8,161	393	6,535	382	6,368	295	4,665	17·68	13·52	...	1,703	East Coolgardie
Yalgoo	23-1-1895	...	...	85	931	61	622	49	495	39	480	41	512	1·33	1·48	32	...	Yalgoo
		Menzies	20-3-1896	197	2,852	128	1,746	105	1,415	86	1,183	95	1,155	...	...	...	...	Yalgoo
		Ularring	20-3-1896	110	1,977	97	1,491	81	1,109	133	1,707	129	1,766	12·88	14·75	442	...	North Coolgardie
		Yerilla	20-3-1896	103	1,943	44	675	38	574	46	725	48	852	...	...	...	...	North Coolgardie
		Niagara	12-3-1897	90	1,380	80	1,031	79	907	88	1,028	109	1,312	...	...	...	...	North Coolgardie
East Murchison	28-6-1895	...	...	120	2,342	118	1,717	112	1,524	147	2,064	151	2,133	5·73	6·18	69	...	East Murchison
West Pilbarra	1-11-1895	...	...	25	340	7	89	9	101	13	161	3	36	·45	·11	...	125	West Pilbarra
		Kanowna	13-11-1896	212	3,271	119	1,643	125	1,602	133	1,625	112	1,336	...	...	...	...	West Pilbarra
		Bulong	13-11-1896	139	2,087	60	924	59	818	38	509	59	798	6·29	6·40	...	60	North-East Coolgardie
		Kurnalpi	13-11-1896	52	807	32	492	8	133	8	133	5	73	...	...	...	...	North-East Coolgardie
Broad Arrow	20-11-1896	...	...	288	4,147	176	2,453	128	1,711	113	1,445	97	1,251	4·01	3·63	...	194	Broad Arrow
Peak Hill	1-4-1897	...	...	23	150	75	883	117	1,697	120	1,744	98	1,334	4·84	3·87	...	410	Peak Hill
Mount Margaret	1-4-1897	Mount Margaret	1-4-1897	69	1,335	66	1,215	88	1,634	123	2,510	222	3,270	15·27	20·03	1,409	...	Mount Margaret
		Mount Malcolm	1-4-1897	174	3,172	193	3,523	206	3,885	154	2,990	161	2,939	...	...	...	...	Mount Margaret
Gascoyne	15-4-1897	...	...	5	60	5	66	5	72	5	72	1	12	·20	·03	...	60	Gascoyne
Donnybrook	27-11-1899	Crown Land	...	...	...	...	...	45	807	36	575	10	141	2·18	1·29	...	338	Donnybrook
		Private Property	...	...	...	...	...	...	...	15	210	21	306	...	...	...	...	Donnybrook
Phillips River	14-9-1900	...	...	...	...	...	...	...	...	5	114	27	607	·32	1·75	493	...	Phillips River
Totals	...	...	...	3,700	54,539	2,835	39,394	2,609	36,118	2,561	36,024	2,503	34,498	100·00	100·00	2,546	4,072	

NOTE.—The first Gold Mining Lease granted in the State was granted in the Kimberley Goldfield in the year 1888.

The preceding table shows the land leased for gold mining on the various gold-fields, and shows that, as compared with 1900, the total area has decreased by 1,526 acres. The largest decrease appears on the East Coolgardie Goldfield, while the Mt. Margaret, North Coolgardie, and Phillips River Goldfields show the largest increases. In the Mt. Margaret over 20 per cent. of the total area is leased, in the North Coolgardie Goldfield  $14\frac{3}{4}$  per cent., and in the East Coolgardie, Coolgardie, and Murchison fields, 13·5, 10·6, and 10·5 per cent. respectively.

Taking the gold reported as having been won during the year from leases, the average production per acre is 52·5 ounces, while for the East Coolgardie the average production is nearly 212 ounces per acre.

Taking the total number of men employed on gold mines and the total area held under lease, it appears that, on an average, one man is employed for every two acres leased, while on the East Coolgardie field for every two acres leased about three men are employed. The regulations enact that for every six acres leased one man shall be employed, so that it will be seen that, on an average, far more men are employed per acre than are prescribed by the regulations. It may be taken as a general rule that where gold exists, and can be obtained at a profit, the necessary labour will be employed to obtain it irrespective of any regulation.

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Comparing the acreage of land leased during the years 1900 and 1901 under the Mineral Lands Act, a small decrease of 305 acres appears in the total for the latter year. From the following table it will be seen that about 82 per cent. of the total acreage is held for coal mining, while 2,497 acres are held for mining for copper, and 2,706 acres for tin.—

TABLE 12.

Number and Acreage of Mineral Leases in force 31st December, each year for the Five Years ending 31st December, 1901.

DISTRICTS.		SUB-DISTRICTS.		1897.		1898.		1899.		1900.		1901.		Increase or Decrease for 1901, compared with 1900.		DISTRICTS.
Name.	Proclaimed.	Name.	Proclaimed.	Leases.	Acres.	Leases.	Acres.	Leases.	Acres.	Leases.	Acres.	Leases.	Acres.	Increase.	Decrease.	
Kimberley	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Kimberley
Ashburton	11-12-90	Lynden	...	...	...	...	...	...	...	...	...	2	80	80	...	Ashburton
		Cue	7-12-94	...	...	...	...	...	...	...	...	...	...	...	...	
Murchison	24-9-91	Nannine	7-12-94	...	...	...	...	...	...	...	...	...	...	6	...	Murchison
		Day Dawn	10-1-96	...	...	...	...	...	...	...	3	15	3	16	...	
		Mt. Magnet	7-12-94	...	...	1	5	1	5	1	5	2	10	...	...	
Greenbushes	7-4-92	...	...	2	40	2	40	88	1,977	51	1,179	100	2,259	1,080	...	Greenbushes
Pilbarra	16-6-92	Marble Bar	16-6-92	...	...	...	...	16	601	21	756	20	655	...	91	Pilbarra
		Nullagine	6-11-96	...	...	...	...	2	300	...	...	1	10	...	...	
Yalgoo	23-1-95	...	...	...	3	120	...	...	...	...	...	...	...	...	...	Yalgoo
Yilgarn	22-3-95	...	...	...	1	160	...	...	...	3	30	3	30	...	...	Yilgarn
Coolgardie	22-3-95	Coolgardie	22-3-95	15	217	21	259	5	45	4	40	2	14	...	26	Coolgardie
		Kunanalling	1-9-97	...	...	...	...	...	...	...	...	...	...	...	...	
East Coolgardie	22-3-95	...	...	26	442	37	495	27	383	35	360	20	156	...	204	East Coolgardie
East Murchison	28-6-95	...	...	...	...	3	4	...	...	2	4	1	2	...	2	East Murchison
		Menzies	15-4-96	...	...	1	12	4	20	3	20	1	12	...	...	
North Coolgardie	16-8-95	Ularring	15-4-96	...	...	...	...	...	...	1	80	...	...	...	78	North Coolgardie
		Yerilla	15-4-96	...	...	...	...	...	...	...	...	...	...	...	...	
		Niagara	1-3-97	...	...	...	...	...	...	...	...	1	10	...	...	
West Pilbarra	1-11-95	...	...	6	145	18	490	16	499	20	551	20	564	13	...	West Pilbarra
Dundas	27-12-95	...	...	...	...	1	6	1	6	1	6	1	6	...	...	Dundas
Collie	21-2-96	...	...	81	25,413	64	19,973	71	22,213	98	30,743	96	29,785	...	958	Collie
		Kanowna	15-4-96	...	4	2	9	2	17	2	17	...	...	...	...	
North-East Coolgardie	15-4-96	Bulong	15-4-96	...	...	...	...	...	...	...	...	1	12	...	5	North-East Coolgardie
		Kurnalpi	15-4-96	...	...	...	...	...	...	...	...	...	...	...	...	
Broad Arrow	20-11-96	...	...	...	...	5	95	5	120	...	...	1	20	20	...	Broad Arrow
Northampton	1-1-97	...	...	29	512	41	712	20	313	6	65	6	68	3	...	Northampton
Peak Hill	1-4-97	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Peak Hill
Mount Margaret	1-4-97	Mt. Margaret	1-4-97	...	...	...	...	...	...	3	26	1	3	...	55	Mount Margaret
		Mt. Malcolm	1-4-97	...	...	...	...	...	...	18	374	21	452	...	...	
Gascoyne	15-4-97	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Gascoyne
Yandanooka	1-12-97	...	...	...	3	60	5	128	2	40	1	20	...	20	Yandanooka	
Phillips River	1-7-99	...	...	...	...	...	...	5	750	53	2,265	65	2,099	...	166	Phillips River
Donnybrook	27-11-99	...	...	...	...	...	...	...	...	...	4	78	...	78	Donnybrook	
Crown Lands outside Proclaimed Districts	...	Cane River	...	...	...	...	...	...	...	4	140	...	...	...	90	Crown Lands outside Proclaimed Districts
		West Kimberley	...	...	...	...	...	...	...	...	1	50	...	...	...	
Total	...	...	...	162	26,833	205	22,500	268	27,337	331	36,716	374	36,411	1,335	1,640	

NOTE.—The first Mineral Lease granted in the State was granted at Greenbushes in the year 1893.

TABLE 13.

Number and Acreage of Mineral Leases in force 31st December, 1901, showing Minerals for which they are worked.

MINERALS.	Ashburton.		Murchison.				Greenbushes.		Pilbarra.				Yilgarn.		Coolgardie.		East Coolgardie.		East Murchison.		North Coolgardie.				West Pilbarra.		
	Lyndon.		Day Dawn.		Mt. Magnet.				Marble Bar.		Nullagine.				Coolgardie.						Menzies.		Niagara.				
	Leases.	Acres.	Leases.	Acres.	Leases.	Acres.	Leases.	Acres.	Leases.	Acres.	Leases.	Acres.	Leases.	Acres.	Leases.	Acres.	Leases.	Acres.	Leases.	Acres.	Leases.	Acres.	Leases.	Acres.	Leases.	Acres.	
Coal ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Copper ... ..	...	...	1	6	...	...	...	...	1	12	1	10	...	...	...	...	...	...	...	...	1	12	...	...	...	14	459
Ironstone ... ..	...	...	...	...	...	...	...	...	...	...	...	...	3	30	...	...	1	3	...	...	...	...	...	...	...	3	50
Limestone ... ..	...	...	...	...	1	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	35
Copper, Silver, and Lead ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	20
Copper and Ironstone ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tin ... ..	...	...	...	...	...	...	100	2,259	13	447	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Silver ... ..	...	...	...	...	...	...	...	...	6	196	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Silver and Lead ... ..	2	80	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Copper and other Minerals ... ..	...	...	1	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Copper and Silver ... ..	...	...	1	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Clay ... ..	...	...	...	...	1	5	...	...	...	...	...	...	...	...	1	12	16	118	...	...	...	...	...	...	...	...	...
Building Stone ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	2	3	35	...	...	...	...	...	...	...	...	...
Building Stone and Mica ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	10	...	...	...
Lime ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	2	...	...	...	...	...	...	...
Copper and Lead ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Copper, Lead, and Blend ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Lead ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cobalt ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total ... ..	2	80	3	16	2	10	100	2,259	20	655	1	10	3	30	2	14	20	156	1	2	1	12	1	10	20	564	

MINERALS.	Dundas.		Collie.		North-East Coolgardie.		Broad Arrow.		Mt. Margaret.				North-ampton.		Yandanooka.		Phillips River.		Donnybrook.		Crown Lands.		Total Acreage	Increase or Decrease as compared with 1900.	
					Kurnalpi.				Mt. Margaret.		Mt. Malcolm.										W. Kimberley.				
	Leases.	Acres.	Leases.	Acres.	Leases.	Acres.	Leases.	Acres.	Leases.	Acres.	Leases.	Acres.	Leases.	Acres.	Leases.	Acres.	Leases.	Acres.	Leases.	Acres.	Leases.	Acres.			
Coal ... ..	...	...	96	29,785	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	29,785	- 958	
Copper ... ..	...	...	...	...	...	...	...	...	...	10	260	...	...	1	20	53	1,668	...	...	1	50	2,497	+ 827		
Ironstone ... ..	...	...	...	...	...	...	...	...	...	6	130	...	...	...	...	...	...	...	...	...	...	...	83	+ 10	
Limestone ... ..	1	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	176	- 59	
Copper, Silver, and Lead ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	20	- 40	
Copper and Ironstone ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tin ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2,706	+ 771	
Silver ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	196	+ 196	
Silver and Lead ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	80	+ 80	
Copper and other Minerals ... ..	...	...	...	...	...	...	1	20	...	...	...	...	...	...	11	429	...	...	...	...	...	...	454	- 956	
Copper and Silver ... ..	...	...	...	...	...	...	...	...	...	2	45	...	...	...	...	...	...	...	...	...	...	...	50	- 19	
Clay ... ..	...	...	...	...	...	...	...	...	1	3	3	17	...	...	1	2	...	...	...	...	...	...	157	- 172	
Building Stone ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	78	...	...	115	+ 39	
Building Stone and Mica ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	10	+ 10	
Lime ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	+ 2	
Copper and Lead ... ..	...	...	...	...	...	...	...	...	...	...	...	...	4	58	...	...	...	...	...	...	...	...	58	- 22	
Copper, Lead, and Blend ... ..	...	...	...	...	...	...	...	...	...	...	...	...	1	5	...	...	...	...	...	...	...	...	5	...	
Lead ... ..	...	...	...	...	...	...	...	...	...	...	...	...	1	5	...	...	...	...	...	...	...	...	5	+ 5	
Cobalt ... ..	...	...	...	...	1	12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	12	+ 12	
Total ... ..	1	6	96	29,785	1	12	1	20	1	3	21	452	6	68	1	20	65	2,099	4	78	1	50	36,411	...	



TABLE 14.

Authorised Holdings under the Goldfields Acts and Regulations in force on 31st December, 1900 and 1901.

Goldfields.	Kimberley.		Yilgarn.		Pilbarra.		Ashburton.		Murchison.		Dundas.		Coolgardie.		East Coolgardie.		Yalgoo.		North Coolgardie.		East Murchison.	
	1900.	1901.	1900.	1901.	1900.	1901.	1900.	1901.	1900.	1901.	1900.	1901.	1900.	1901.	1900.	1901.	1900.	1901.	1900.	1901.	1900.	1901.
Water Rights ...	...	...	17	17	17	14	3	...	77	83	42	38	65	70	93	111	4	4	132	123	30	31
Area of Water Rights ...	...	...	52	55	21	17	3	...	186	203	366	349	335	235	2,201	2,300	4	4	3,738	1,231	46	64
Quartz Claims ...	...	...	...	...	77	76	5	...	144	154	26	34	47	67	5	8	15	15	32	36	22	26
Alluvial Claims ...	...	...	...	...	...	...	...	...	7	4	3	3	...	...	9	9	...	...	2	2	3	3
Prospecting Areas ...	...	...	...	1	67	11	...	...	150	254	11	11	19	18	18	18	21	29	45	40	110	116
Residence Areas ...	2	1	41	35	118	104	...	...	143	163	64	64	68	53	1,111	985	105	76	295	302	63	38
Business Areas ...	3	1	20	15	38	35	1	...	96	71	39	41	136	119	66	66	28	25	184	151	21	19
Machinery Areas ...	3	3	...	...	21	20	...	...	8	9	6	6	19	14	15	15	5	6	6	4	7	7
Tailings Areas ...	...	2	11	12	5	5	...	...	13	16	3	3	13	5	3	4	2	2	4	5	6	6
Garden Areas ...	2	1	6	6	13	13	...	...	20	30	1	4	10	13	40	43	1	1	4	11	18	17
Tunnelling Areas ...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Poultry Farms ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	71	...	...	...	...	...	...	...

Goldfield.	West Pilbarra.		N.E. Coolgardie.		Broad Arrow.		Peak Hill.		Mt. Margaret.		Gascoyne.		Donnybrook.		Phillips River.		Crown Land.		Total.	
	1900.	1901.	1900.	1901.	1900.	1901.	1900.	1901.	1900.	1901.	1900.	1901.	1900.	1901.	1900.	1901.	1900.	1901.	1900.	1901.
Water Rights ...	...	...	41	40	12	16	6	7	91	112	...	...	...	...	8	7	...	...	638	673
Area of Water Rights ...	...	...	104	55	55	100	138	146	935	371	...	...	...	...	29	35	...	...	8,213	5,165
Quartz Claims ...	...	...	43	96	25	9	2	2	53	68	...	...	...	...	...	...	...	...	496	591
Alluvial Claims ...	...	...	239	207	15	8	2	2	2	3	...	...	...	...	...	...	...	...	282	241
Prospecting Areas ...	2	1	86	79	32	6	3	3	54	88	...	...	24	24	1	3	183	163	826	865
Residence Areas ...	9	8	*80	*70	2	1	38	52	106	104	...	...	...	...	16	16	...	...	2,261	2,068
Business Areas ...	11	7	†53	†45	8	15	19	17	138	120	...	...	...	...	51	53	...	...	912	800
Machinery Areas ...	1	1	18	20	1	3	1	2	10	11	...	...	1	1	...	1	...	...	122	123
Tailings Areas ...	...	...	6	4	2	4	1	1	3	5	...	...	...	...	...	1	...	...	72	75
Garden Areas ...	...	1	3	1	2	3	5	7	19	27	...	...	...	...	...	2	...	...	144	180
Tunnelling Areas ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1
Poultry Farms ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	71	...

\* Exclusive of 236 areas on 31st December, 1900, and 234 areas on 31st December, 1901, registered as Residence Areas, but now included in Townsite of Kanowna, but not sold yet.

† Exclusive of 79 areas on 31st December, 1900, and 77 areas on 31st December, 1901, registered as Business Areas, but now included in Townsite of Kanowna, but not sold yet.

TABLE 15.

Authorised Holdings under the Mineral Lands Acts and Regulations in force on 31st December, 1900 and 1901.

Districts.	Ashburton.		Greenbushes.		Pilbarra.		East Coolgardie.		East Murchison.		West Pilbarra.		Co'lie.		North-East Coolgardie.		Broad Arrow.		Northampton.		Mt. Margaret.		Phillips River.		Crown Land.		Totals.	
	1900.	1901.	1900.	1901.	1900.	1901.	1900.	1901.	1900.	1901.	1900.	1901.	1900.	1901.	1900.	1901.	1900.	1901.	1900.	1901.	1900.	1901.	1900.	1901.	1900.	1901.	1900.	1901.
Water Rights ...	...	...	61	48	1	1	...	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	62	51
Area of Water Rights	...	...	14	*	2	2	...	10	...	...	...	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	16	17
Lode Claims ...	...	...	5	2	...	1	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5	4
Alluvial Claims	...	...	262	59	1	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	263	63
Reward „	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...
Prospecting Areas	2	2	...	...	1	...	...	2	...	1	1	...	...	...	2	...	1	2	...	1	1	4	5	8	6	6	19	26
Residence „	...	...	132	56	...	...	...	...	...	...	6	8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	138	64
Business „	...	...	1	2	...	...	...	...	...	...	4	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	15	7
Machinery „	...	...	5	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5	5
Tailings „	...	...	4	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	5
Garden „	...	...	1	1	...	...	...	...	...	...	1	1	1	1	...	...	...	...	...	...	...	...	...	...	...	...	3	3
Washing „	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
Pipe Tracks ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	2

\*Not stated.



TABLE 16.

*Miners' Rights, Mining, Business, and Quarrying Licenses issued during 1900 and 1901.*

PLACE OF ISSUE.	GOLDFIELDS ACTS.						MINERAL LANDS ACTS.							
	Miners' Rights.		Consolidated Miners' Rights.		Business Licenses.		Mining Licenses.		Consolidated Mng. Licenses.		Quarry Licenses.		Business Licenses.	
	1900.	1901.	1900.	1901.	1900.	1901.	1900.	1901.	1900.	1901.	1900.	1901.	1900.	1901.
Coolgardie ...	528	524	...	...	15	11	5	3	...	...	...	...	...	...
Yalgoo ...	85	50	...	...	16	12	4	1	...	...	2	...	...	...
Broad Arrow ...	435	461	...	...	2	3	4	3	...	...	1	...	...	...
Mount Margaret ...	792	869	...	...	102	108	52	7	...	...	4	...	...	...
North Coolgardie ...	956	682	...	...	187	111	6	8	...	...	5	5	...	...
East Coolgardie ...	1,838	1,401	3	2	27	17	47	17	...	...	...	...	...	...
Northampton ...	...	...	...	...	...	...	13	12	...	...	...	...	...	...
Greenbushes ...	*5	1	...	...	...	...	330	246	...	...	...	...	1	4
Collie ...	15	3	...	...	...	...	14	6	...	...	...	...	...	...
East Murchison ...	285	274	...	...	11	12	...	4	...	...	1	2	...	...
Pilbarra ...	352	252	...	...	21	19	140	94	1	...	...	...	...	...
Peak Hill ...	165	102	*1	1	18	8	...	...	...	...	...	...	...	...
Dundas ...	265	379	...	...	31	22	5	...	...	...	...	...	...	...
Donnybrook ...	52	16	...	...	...	...	6	7	...	...	...	...	...	...
Ashburton ...	20	30	...	...	5	3	6	23	...	...	...	...	...	...
Murchison ...	908	661	...	...	47	41	13	6	...	...	14	4	...	...
Kimberley ...	16	20	...	...	1	5	...	...	...	...	...	...	...	...
Phillips Kiver ...	145	75	...	...	47	8	178	94	...	...	...	...	20	...
Yilgarn ...	125	69	...	...	14	21	7	1	...	...	...	...	...	...
North-East Coolgardie	750	677	...	...	9	13	2	1	...	...	...	...	...	...
Busselton ...	21	...	...	...	...	...	...	2	...	...	...	...	...	...
Derby ...	3	3	...	...	...	...	...	1	...	...	...	...	...	...
Esperance ...	19	2	...	...	...	...	36	1	...	...	...	...	...	...
Albany ...	9	3	...	...	...	...	3	...	...	...	...	...	...	...
Northam ...	...	9	...	1	...	...	...	...	...	...	...	...	...	...
Bunbury ...	15	7	...	...	...	...	...	...	...	...	15	3	...	...
Geraldton ...	2	3	...	...	...	...	1	1	...	...	...	...	...	...
West Pilbarra ...	56	54	...	...	11	5	32	24	...	...	...	...	4	5
Gascoyne ...	...	†	...	†	...	†	...	†	...	†	...	†	...	†
Carnarvon ...	1	16	...	...	...	...	...	...	...	...	...	...	...	...
Newcastle ...	3	1	...	...	...	...	...	...	...	...	...	...	...	...
York ...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Katanning ...	3	§	...	§	...	§	...	§	...	§	...	§	...	§
Williams ...	2	...	...	...	...	...	...	...	...	...	...	...	...	...
Head Office ...	136	123	1	2	...	1	54	84	...	...	...	...	...	...
Total ...	7,907	6,767	5	6	564	420	959	646	1	...	42	14	25	9

\* Not returned in 1900 tables.

† No return from Warden.

§ No return from Resident Magistrate.

## PART IV.—MEN EMPLOYED.

TABLE 17.

*Average Number of Men engaged in Mining during 1900 and 1901.*

Goldfield.	District.	Reef or Lode.		Alluvial.		Total.	
		1900.	1901.	1900.	1901.	1900.	1901.
1. Kimberley ...	...	7	6	27	13	34	19
2. Pilbarra ...	{ Marble Bar ...	67	78	88	27	155	105
	{ Nullagine ...	44	128	89	25	133	153
3. West Pilbarra ...	...	52	5	65	58	117	63
4. Ashburton ...	...	...	...	59	39	59	39
5. Gascoyne ...	...	...	...	12	4	12	4
6. Peak Hill ...	...	354	346	13	10	367	356
7. East Murchison ...	...	873	856	99	44	972	900
	{ Cue ...	283	238	92	57	375	295
	{ Nannine ...	388	270	51	50	439	320
	{ Day Dawn ...	243	481	33	32	276	513
	{ Mt. Magnet ...	527	559	12	24	539	583
9. Yalgoo ...	...	226	173	6	19	232	192
10. Mt. Margaret ...	{ Mt. Malcolm ...	1,002	990	10	5	1,012	995
	{ Mt. Margaret ...	849	1,136	50	50	899	1,186
	{ Menzies ...	565	569	50	39	615	608
	{ Ularring ...	355	371	46	41	401	412
	{ Niagara ...	452	633	30	21	482	654
	{ Yerilla ...	138	180	20	51	158	231
12. Broad Arrow ...	...	646	409	134	281	780	690
	{ Kanowna ...	657	584	400	150	1,057	734
	{ Bulong ...	178	148	260	201	438	349
	{ Kurnalpi ...	25	20	115	104	140	124
14. East Coolgardie ...	...	5,903	6,313	1,500	1,275	7,403	7,588
15. Coolgardie ...	{ Coolgardie ...	1,228	1,012	200	143	1,428	1,155
	{ Kunanalling ...	524	318	100	50	624	368
16. Yilgarn ...	...	497	294	13	1	510	295
17. Dundas ...	...	526	496	50	202	576	698
18. Phillips River ...	...	58	60	...	...	58	60
19. Donnybrook ...	...	80	82	15	...	95	82
	Total—Gold Mining ...	16,747	16,755	3,639	3,016	20,386	19,771
MINERALS OTHER THAN GOLD.							
Tin ...	{ Greenbushes M.D. ...	...	...	*306	*201	306	201
	{ Marble Bar D. ...	...	...	*49	*212	49	212
	{ Day Dawn D. ...	2	6	...	...	2	6
	{ Mt. Malcolm D. ...	67	87	...	...	67	87
Copper ...	{ Northampton M.D. ...	8	5	...	...	8	5
	{ Phillips River G.F. ...	107	151	...	...	107	151
	{ West Pilbarra G.F. ...	34	70	...	...	34	70
	{ Yandanooka M.D. ...	...	2	...	...	...	2
Lead ...	{ Northampton M.D. ...	...	2	...	...	...	2
Coal ...	{ Collie River Coal M.D. ...	400	383	...	...	400	383
Limestone ...	{ Yilgarn ...	10	5	...	...	10	5
Diamonds ...	{ Nullagine ...	...	...	5	...	5	...
	Total—Other Minerals ...	628	711	360	413	988	1,124
	GRAND TOTAL ...	17,375	17,466	3,999	3,429	21,374	20,895

\* Classified elsewhere as employed at mines.

It will be seen from the above table that the number of men engaged during 1901 in mining of all descriptions in Western Australia is 20,895, or 479 less than in 1900. This falling off is more than accounted for by a decrease in the number of alluvial gold workers. The mean population of the State for the year being 188,603, it will be seen that about 11 per cent. of the inhabitants are directly engaged in mining pursuits.

TABLE 18.

*Average Number of Men employed at Mines during 1901.*

Mineral.	Above ground.	Under ground.	Total.	Percentage of total men employed.	Increase or decrease compared with 1900.
Tin ... ..	*347	66	413	2·31	+ 58
Coal ... ..	104	279	383	2·14	— 17
Copper ... ..	172	149	321	1·80	+ 111
Diamonds ... ..	...	...	...	...	— 5
Gold ... ..	8,130	8,625	16,755	93·71	+ 8
Lead ... ..	2	...	2	·01	— 6
Limestone ... ..	5	...	5	·03	— 5
Total ... ..	8,760	9,119	17,879	100·00	+ 144

\* As the tin obtained is principally "stream tin" the average number of alluvial workers (249) has been included under the heading "Above ground."

It appears from the above table that only eight men more were employed on gold mines than in 1900, while the number of men employed on copper and tin mines has increased by 111 and 58 respectively.

TABLE 19.

*Average Number of Men employed at Gold Mines during 1901, classified according to the several Goldfields, and the proportion of Men employed in each Goldfield.*

Goldfield.	Above Ground.	Under Ground.	Total.	Increase or decrease compared with 1900.	Percentage of total men employed.	
					1900.	1901.
1. Kimberley ... ..	3	3	6	— 1	·04	·03
2. Pilbarra ... ..	80	126	206	+ 95	·66	1·23
3. West Pilbarra... ..	3	2	5	— 47	·31	·03
4. Ashburton ... ..	...	...	...	...	...	...
5. Gascoyne ... ..	...	...	...	...	...	...
6. Peak Hill ... ..	175	171	346	— 8	2·11	2·07
7. East Murchison ... ..	424	432	856	— 17	5·21	5·11
8. Murchison ... ..	764	784	1,548	+ 107	8·60	9·24
9. Yalgoo... ..	85	88	173	— 53	1·35	1·03
10. Mt. Margaret ... ..	871	1,255	2,126	+ 275	11·05	12·69
11. North Coolgardie ... ..	785	968	1,753	+ 243	9·02	10·46
12. Broad Arrow ... ..	186	223	409	— 237	3·86	2·44
13. North-East Coolgardie ... ..	293	459	752	— 108	5·14	4·49
14. East Coolgardie ... ..	3,455	2,858	6,313	+ 410	35·25	37·68
15. Coolgardie ... ..	569	761	1,330	— 422	10·46	7·94
16. Yilgarn... ..	172	122	294	— 203	2·97	1·75
17. Dundas... ..	206	290	496	— 30	3·14	2·96
18. Phillips River... ..	23	37	60	2	·35	·36
19. Donnybrook ... ..	36	46	82	2	·48	·49
Totals ... ..	8,130	8,625	16,755	+ 8	100·00	100·00

The East Coolgardie Goldfield still continues to maintain a large proportion of the labour engaged on the goldfields of the State, over 37 per cent. of the men employed on gold mines during 1901 having been employed on that field. Substantial increases in the number of men employed appear on the East Coolgardie, Mount Margaret, North Coolgardie, and the Murchison fields, while the Coolgardie, Broad Arrow, and Yilgarn fields show corresponding decreases.



TABLE 20.

*Alluvial (Gold) Workers.*

Goldfield.	1900.	1901.	Increase or Decrease com- pared with 1900.
1. Kimberley ... ..	27	13	— 14
2. Pilbarra ... ..	177	52	— 125
3. West Pilbarra ... ..	65	58	— 7
4. Ashburton ... ..	59	39	— 20
5. Gascoyne ... ..	12	4	— 8
6. Peak Hill ... ..	13	10	— 3
7. East Murchison ... ..	99	44	— 55
8. Murchison ... ..	188	163	— 25
9. Yalgoo ... ..	6	19	+ 13
10. Mount Margaret ... ..	60	55	— 5
11. North Coolgardie... ..	146	152	+ 6
12. Broad Arrow ... ..	134	281	+ 147
13. North-East Coolgardie ... ..	775	455	— 320
14. East Coolgardie ... ..	1,500	1,275	— 225
15. Coolgardie... ..	300	193	— 107
16. Yilgarn ... ..	13	1	— 12
17. Dundas ... ..	50	202	+ 152
18. Phillips River ... ..	...	...	...
19. Donnybrook ... ..	15	...	— 15
Total ... ..	3,639	3,016	— 623

The above figures cannot be taken as absolutely correct, as it would be almost impossible to obtain the actual number of alluvial workers scattered throughout the vast goldfields of the State. The largest decreases appear in the North-East Coolgardie, East Coolgardie, and Coolgardie fields, where for some years past shallow alluvial has been worked; latterly, however, little new ground has been opened up. At Dundas an alluvial lead was worked during the year near the Princess Royal Mine; this accounts for the increase of the alluvial workers on that goldfield.

TABLE 21.

*Average Ruling Rate of Wages per week on the several Goldfields, Mining Districts, and Coalfield of the State during 1901, together with a comparison of the two previous years.*

	Miners, above ground.	Miners, under ground.	Miners, wet ground.	Engine- drivers.	Mechanics.	Carpenters.	Labourers.	Average Wage.		
								1901.	1900.	1899.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
<b>GOLDFIELDS.</b>										
1. Kimberley ... ..	4 0 0	4 0 0	4 0 0	5 0 0	5 0 0	5 0 0	4 0 0	4 8 7	4 4 3	4 4 3
2. Pilbarra ... ..	4 0 0	4 0 0	4 10 0	4 10 0	5 0 0	5 0 0	4 0 0	4 8 7	4 8 7	4 10 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	3 12 10	3 12 10	3 12 10
4. Ashburton ... ..	4 0 0	4 0 0	...	...	...	...	3 10 0	3 16 8	3 16 8	3 13 4
5. Gascoyne ... ..	4 0 0	4 0 0	...	...	...	...	3 10 0	3 16 8	3 16 8	3 13 4
6. Peak Hill ... ..	4 0 0	4 0 0	...	4 10 0	4 10 0	4 10 0	4 0 0	4 5 0	4 1 8	4 1 8
7. East Murchison ... ..	3 10 0	4 4 0	4 10 0	4 10 0	5 0 0	5 0 0	3 10 0	4 6 3	4 4 3	4 3 7
8. Murchison ... ..	3 12 6	3 12 6	4 5 0	4 5 0	4 10 0	4 10 0	3 10 0	4 2 2	3 14 3	3 14 3
9. Yalgoo ... ..	3 10 0	3 15 0	4 0 0	4 0 0	3 10 0	3 10 0	3 0 0	3 12 2	3 12 10	3 12 10
10. Mount Margaret ... ..	3 10 0	4 0 0	4 10 0	4 10 0	4 10 0	4 10 0	3 10 0	4 2 10	4 2 10	4 2 10
11. North Coolgardie ... ..	3 9 3	3 18 9	4 7 6	4 8 9	4 12 6	4 8 9	3 9 3	4 2 1	4 2 1	4 1 4
12. Broad Arrow ... ..	3 10 0	3 10 0	4 0 0	4 0 0	4 10 0	4 0 0	3 7 6	3 16 9	3 19 3	3 18 7
13. North-East Coolgardie ... ..	3 10 0	3 10 0	4 0 0	4 10 0	4 1 0	4 10 0	3 3 0	3 19 0	4 4 8	4 4 8
14. East Coolgardie ... ..	3 5 0	3 15 0	4 5 0	4 5 0	4 10 0	4 10 0	3 0 0	3 18 7	4 0 0	4 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	3 14 3	3 14 3	3 14 3
16. Yilgarn ... ..	3 0 0	3 0 0	3 15 0	3 10 0	3 6 0	3 12 0	2 14 0	3 5 3	3 5 5	3 6 10
17. Dundas ... ..	3 5 0	3 15 0	4 0 0	4 0 0	4 10 0	4 0 0	3 5 0	3 16 5	3 16 5	3 16 5
18. Phillips River ... ..	3 0 0	3 10 0	4 0 0	4 0 0	3 15 0	3 15 0	3 0 0	3 11 5	3 12 10	...
19. Donnybrook ... ..	2 14 0	3 0 0	3 6 0	3 10 0	3 10 0	3 6 0	2 14 0	3 2 0	3 8 7	3 6 3
<b>MINING DISTRICTS.</b>										
Northampton and Yandanooka ... ..	2 10 0	2 15 0	3 5 0	2 15 0	3 15 0	3 5 0	2 5 0	2 18 7	2 18 7	2 18 7
Greenbushes ... ..	2 14 0	3 0 0	3 0 0	3 6 0	3 6 0	3 6 0	2 14 0	3 0 10	2 15 0	2 13 0
<b>COALFIELD.</b>										
Collie ... ..	2 15 0	4 0 0	*	3 0 0	3 6 0	3 6 0	2 15 0	3 3 8	3 3 8	3 2 0

\* In some cases a bonus is given.

## PART V.—ACCIDENTS.

TABLE 22.

*Men killed and injured in Mining Accidents during 1900 and 1901.*

GOLDFIELD.	KILLED.		INJURED.		TOTAL KILLED AND INJURED.	
	1900.	1901.	1900.	1901.	1900.	1901.
1. Kimberley ... ..	...	...	...	...	...	...
2. Pilbarra .. ..	...	...	...	1	...	1
3. West Pilbarra ... ..	...	...	...	...	...	...
4. Ashburton ... ..	...	...	...	...	...	...
5. Gascoyne ... ..	...	...	...	...	...	...
6. Peak Hill ... ..	...	3	7	4	7	7
7. East Murchison ... ..	...	3	9	10	9	13
8. Murchison ... ..	3	8	10	16	13	24
9. Yalgoo ... ..	...	...	5	...	5	...
10. Mount Margaret ... ..	4	6	10	10	14	16
11. North Coolgardie ... ..	8	9	10	7	18	16
12. Broad Arrow ... ..	5	1	5	2	10	3
13. North-East Coolgardie ... ..	4	...	5	3	9	3
14. East Coolgardie ... ..	14	11	44	45	58	56
15. Coolgardie ... ..	4	3	11	17	15	20
16. Yilgarn ... ..	1	...	4	3	5	3
17. Dundas ... ..	1	...	11	5	12	5
18. Phillips River ... ..	...	...	...	...	...	...
19. Donnybrook ... ..	1	1	...	...	1	1
MINING DISTRICT.						
Northampton ... ..	...	...	...	...	...	...
Yandanooka ... ..	...	...	...	...	...	...
Greenbushes ... ..	...	...	1	...	1	...
Collie ... ..	...	...	2	7	2	7
Total ... ..	45	45	134	130	179	175

The above table gives the total number of fatal and non-fatal accidents that have occurred in the State during the years 1900 and 1901. The same number of fatal accidents occurred in both years, while during the latter the non-fatal accidents have decreased by four.

TABLE 23.

*Deaths from Accidents at Mines during 1900 and 1901.*

KIND OF MINES.	1900.						1901.					
	Number of Persons killed.			Death Rate per 1,000 Persons employed.			Number of Persons killed.			Death Rate per 1,000 Persons employed.		
	Above-ground.	Under-ground.	Total.	Above-ground.	Under-ground.	Total.	Above-ground.	Under-ground.	Total.	Above-ground.	Under-ground.	Total.
Coal ... ..	...	...	...	...	...	...	...	...	...	...	...	...
Gold ... ..	9	36	45	1·10	4·18	2·68	3	42	45	·37	4·87	2·68
Other Mines ... ..	...	...	...	...	...	...	...	...	...	...	...	...
Total for all mines ...	9	36	45	1·04	3·98	2·54	3	42	45	·34	4·60	2·52

As compared with that of the previous year the death rate of 2·52 per cent. per thousand men employed at all mines has slightly decreased. This rate is high as compared with that of other States in Australasia; for instance, the death rate for all mines for 1900, in Tasmania, was 1·02; in Victoria, 1·21; New South Wales, 1·51; and Queensland, 1·99. This difference cannot be accounted for by assuming that mining in Western Australia is conducted with less care, and that fewer precautions are taken for the safety of the employees than in the States mentioned; in some of the

newer goldfields mining methods may indeed be, to a certain extent, primitive, but in the main mining centres work is carried out on systematic lines, and the mines are frequently inspected by Government Inspectors.

It must not be forgotten that, in the other States mentioned, mining has been a settled industry for a great number of years, and that practically the whole of the miners now employed have been trained to mining from their youth; whereas in Western Australia mining of any kind was practically non-existent prior to the year 1888, and was not commenced on a scale of any magnitude until 1894. Though a large percentage of the miners now employed are excellent workmen who have gained their experience in older mining countries, there are still a great many who are comparatively inexperienced, and where such is the case, notwithstanding care on the part of the managers and close supervision by inspectors, the liability to accident must be greater than in places where inexperienced miners are rare.

TABLE 24.

*Deaths from Accidents in Gold Mines during 1901, and the Death Rate per 1,000 Men employed, and per 1,000 Tons of Gold Ore raised in the different Goldfields during 1900 and 1901.*

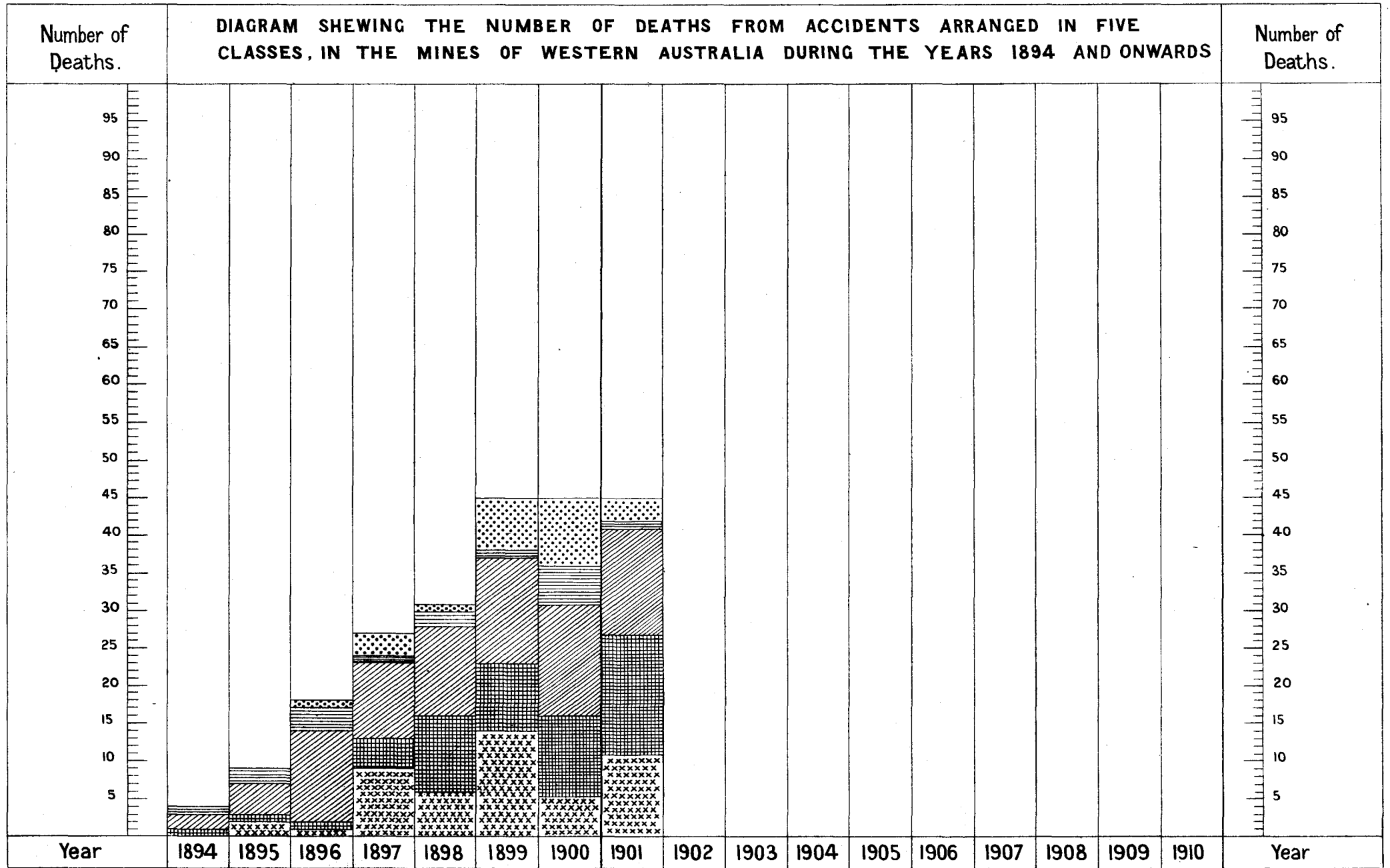
Goldfield.	Number of Deaths.			Death Rate per 1,000 Men employed.				Number of Deaths per 1,000 Tons of Gold Ore raised.	
	1901.			1901.			1900.	1901.	1900.
	Above ground.	Under ground.	Total.	Above ground.	Under ground.	Total.	Total.		
1. Kimberley ... ..	...	...	...	...	...	...	...	...	...
2. Pilbarra ... ..	...	...	...	...	...	...	...	...	...
3. West Pilbarra ... ..	...	...	...	...	...	...	...	...	...
4. Ashburton ... ..	...	...	...	...	...	...	...	...	...
5. Gascoyne ... ..	...	...	...	...	...	...	...	...	...
6. Peak Hill ... ..	...	3	3	...	17·54	8·67	...	·12	...
7. East Murchison ... ..	...	3	3	...	6·94	3·50	...	·03	...
8. Murchison ... ..	...	8	8	...	10·20	5·17	2·08	·07	·03
9. Yalgoo ... ..	...	...	...	...	...	...	...	...	...
10. Mt. Margaret ... ..	...	6	6	...	4·78	2·82	2·16	·02	·03
11. North Coolgardie ... ..	1	8	9	1·27	8·26	5·13	5·29	·08	·09
12. Broad Arrow ... ..	...	1	1	...	4·48	2·44	7·74	·02	·07
13. North-East Coolgardie ... ..	...	...	...	...	...	...	4·65	...	·05
14. East Coolgardie ... ..	1	10	11	·29	3·50	1·74	2·37	·02	·03
15. Coolgardie ... ..	1	2	3	1·76	2·63	2·25	2·28	·02	·03
16. Yilgarn ... ..	...	...	...	...	...	...	2·01	...	·02
17. Dundas ... ..	...	...	...	...	...	...	1·90	...	·02
18. Phillips River ... ..	...	...	...	...	...	...	...	...	...
19. Donnybrook ... ..	...	1	1	...	21·74	12·20	12·50	20·83	2·77
Totals and Averages ...	3	42	45	·37	4·87	2·68	2·68	·03	·03

The above table shows that the death rate per thousand men employed above and below ground in gold mines is the same as that for last year, viz., 2·68; the death rate for men employed above ground having decreased from 1·10 in 1900 to ·37 in 1901, while that for men employed below ground has increased from 4·18 to 4·87 per thousand.

The deaths from accidents "by explosives" have, as compared with those for the previous year, increased by six; those "by falls of ground" by five; while decreases appear in accidents "in shafts," one; "by miscellaneous underground," four; and "on surface," six.

Non-fatal accidents show a total decrease of four as compared with 1900; an increase of one showing under "by explosives," six under "by miscellaneous underground," while decreases appear under "by falls of ground," four; "in shafts," three, and "on surface," four.





 EXPLOSIONS.

 FALLS OF GROUND.

 IN SHAFTS.

 MISCELLANEOUS ACCIDENTS UNDERGROUND.

 ACCIDENTS ON SURFACE.

During the year several accidents occurred from suffocation. At the Lady Shenton Mine, Menzies, a man was at work filling a truck with tailings when a fall of sand occurred and completely buried him; at the Golden Horseshoe, East Coolgardie, a similar accident occurred to a man while filling a truck with slimes; at the Ivanhoe, East Coolgardie, a shift boss was smothered in a pass, he having ascended to free the tailings which were being sent down it for mullocking purposes.

The same number of Inspectors of Mines were employed on the goldfields as during last year, and considering the immense amount of travelling that they have to do in most of the districts, the mines have been frequently inspected. With the exception of the East Coolgardie Inspector, all the Inspectors act as Inspectors of Boilers under the Steam Boiler Act, and this work adds very considerably to their work and at the same time interferes with mine inspection; in the East Coolgardie field a separate Boiler Inspector is appointed, and it is found that the arrangement is a most satisfactory one; it is proposed during next year to appoint separate Boiler Inspectors for the Murchison, East Murchison, and Mount Margaret Goldfields.

I must express my satisfaction that the need of a mining engineer in connection with the department has been recognised, and provision made for his salary on the Estimates.

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## PART VI.—STATE AID TO MINING.

### STATE BATTERIES.

The system of the State erection of batteries for crushing for the public, which was inaugurated in the year 1898, has been maintained, and crushing facilities have been afforded to several mining centres hitherto without them. On the Murchison Goldfield a ten-head battery has been erected at Meekatharra; in the North Coolgardie Goldfield, a ten-head battery at Mulwarrie; while at Darlot, in the East Murchison Goldfield, a ten-head stamp mill was purchased, and has started crushing. In addition to the mills above mentioned, the number of stamps at Mulline has been increased from ten to twenty heads.

The Government having decided, during 1900, to erect cyanide plants in conjunction with the batteries where the prospects of the district and the amount of accumulated tailings warranted that course, the erection of plants at Norseman, Mulline, Mount Ida, and Lennonville was put in hand. These plants were all completed during the year, and have treated a total of 9,534 tons for a yield of 2,076 ounces, valued at £8,828. Of the tonnage treated, 3,470 tons was Government sand.

The financial results of the working of these batteries during the year show a substantial improvement as compared with the previous year. During the year 1900 the total loss on working, including cost of all superintendence and management, was £7,611; while for the present year the loss was £644. As, during the year 1900, no cyanide plants were working in connection with the batteries, I should, in order that a just comparison may be made, state that the loss on crushing alone amounted to £1,981, there being a profit on the treatment of tailings of £1,334. In this is included the profit resulting from the treatment of 3,470 tons of Government tailings, which, if 10s. per ton be allowed for the cost of treatment, amounts to about £293.

The improved financial results of the year's operations may be attributed to several causes, among which may be mentioned the decision to temporarily close down the

plants at Ravelstone, Tuckanarra, and Paynesville, which, after a certain time, had become a source of continuous loss to the Government on account of the supply of stone being insufficient to keep the mills going. Every effort has also been made by the Department to reduce expenditure in every way compatible with the efficiency of the batteries, and this, combined with the profit at several of the batteries that have been constantly supplied with stone, has contributed to the improved results for the year.

Requests have been made by prospectors in several of the districts in which batteries have made a profit for a reduction of the crushing charges, but it has been held by the Government that the batteries cannot, except in very exceptional cases, be considered individually, but must be treated in the same way as other State-owned systems operating throughout the State, and therefore no hope of such reductions has been held out while the working of the batteries, as a whole, shows a loss.

It has been frequently urged that the average crushing price of fifteen shillings per ton is abnormally high as compared with the cost of crushing at privately-owned batteries, and this is to a certain extent true; it must not, however, be overlooked that there are few crushing plants crushing solely for the public, and that most of those that are undertaking public crushing are in connection with mines producing a certain quantity of stone which, with the stone supplied by the public, keeps the mill constantly running. In such cases, too, water is usually obtained from the mine workings, and only a proportion of its cost and the cost of the management is debited to crushing expenses. While the conditions at present existing on the goldfields remain as they are, it seems unlikely that the present cost of crushing at the State batteries can be materially reduced, and a margin over working expenses shown, unless the prospectors in the various districts arrange for regular supplies of stone to the batteries. Batteries intermittently working cannot be worked to advantage, whereas given regular supplies of stone, it should be possible to reduce the present crushing charge.

#### SUBSIDIES FOR DEEP SINKING.

Few subsidies of this nature have been given in the past, but the intentions of the Government were shown by the introduction, during last session of Parliament, of a Mines Development Bill, which provided for subsidies to mining companies, to small parties of miners, and to public bodies such as Miners' Associations, Roads Boards, and Municipal Councils, which were desirous of encouraging prospecting in their districts. The Bill was unfortunately shelved at the last moment.

A sum of £1,500 has been provided on the Estimates of this Department for the last two years, and subsidies were granted in the following cases.

*Norseman Gold Mines, Limited.*—Arrangements were entered into with this Company to sink their Viking shaft from the 450ft. to the 700ft. level, and to the end of the year 124ft. had been sunk, at a cost to the Government of £449 17s. 10d. This subsidy was on the basis of £1 for every £1 expended by the Company. Assistance to the extent of £700 was also given to the Countess Gold Mining Co., near Cue, to sink their main shaft below the 290ft. level. So far this subsidy cannot be said to have produced much good, as the Company had to temporarily suspend operations during the year, owing to exhaustion of funds.

*Boring.*—Boring operations for the purpose of locating alluvial deposits have from time to time been undertaken, and during the year boring in several localities has been completed. At Kanowna bores were put down in order to locate the continuation of the "North Lead," which had, in the past, produced large quantities of alluvial gold. Twenty-seven bores were put down, at a cost of £1,503, the total number of feet bored



being 3,863; this work was finished in April, and resulted in the location of what appeared to be the continuation of the lead, though the value of the wash from the bore holes was not high.

At Coolgardie four bores were put down to endeavour to prove the existence or otherwise of auriferous wash to the East of the town; a total of 1,016 feet was bored at a cost of £845, but no positive results were obtained, and no further funds were available for the further prosecution of the work.

Near Donnybrook a series of shallow bores was put down to test a valley lying to the West of the mines for alluvial; nine holes, with a total depth of 373 feet, were put down at a cost of £394, and the existence of wash carrying colours of gold was located.

Near Siberia, twenty-eight bores were put down, at a cost of £464, to endeavour to locate alluvial leads; in all 1,916 feet was bored, and when the work was discontinued in December, no auriferous wash had been located.

As this Department has had no staff available for carrying out work of this nature, all this boring has been carried out by or under the supervision of the Public Works Department.

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#### PART VII.—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 above Acts have been referred to in previous reports, and the only legislation directly affecting mining introduced during the year was the Coal Mines Regulation Act, which was passed during the last session of Parliament. This follows to a great extent the lines of a similar Act in New South Wales, and provides for the certification of managers and under-managers; it also provides for the appointment of a Board of Examiners for engine-drivers employed in coal mines, and makes provision for the establishment of an Accident Relief Fund.

A revision of the regulations under the Goldfields Act was made during the year, and in some respects the provisions of the previous regulations were altered.

The size of prospecting areas was slightly increased, and the time for which such areas could be held limited. The system of reward leases was also somewhat extended, and provision made, in the event of the granting of a reward lease, for the remission of the rent for a term not exceeding five years; the rent to be remitted for the full term of five years if the lease was granted for a discovery over fifty miles from a mine in active work, for two years if distant over ten miles and under fifty miles, and for one year if over three miles and under ten miles. The provisions as to alluvial and quartz claims were also slightly amended in the direction of granting somewhat larger areas.

## PART VIII.—REMARKS ON GOLDFIELDS AND MINING DISTRICTS.

## EAST COOLGARDIE GOLDFIELD.

The progress of this field continues to be most satisfactory, the total reported yield for the year being 991,369ozs., or 34 per cent. more than the previous year, and 53·84 per cent. of the total reported yield of the State; the average yield per ton of ore milled being practically the same as for the previous year, viz., 1·42ozs., against 1·49ozs. for 1900. Most of the large mines show substantially greater outputs than last year. Of the 64 producing mines eleven have produced between them 924,257ozs., their outputs varying from 19,000ozs. to 185,000ozs. A steady advance has been made towards the satisfactory treatment of the sulphides, and the cost of treatment has in many cases been reduced. The completion of the Goldfields Water Scheme should prove an incalculable benefit to this field, and should very substantially reduce the cost of ore treatment.

The value of the mining machinery on the field is £1,814,422, as against £1,077,557 in 1900. The estimated population is 26,100, which shows a slight increase over that of the previous year.

During the year a new find was made fifteen miles from Kalgoorlie, and three miles South of Boorara; the find was a promising one, but sufficient development has not been done to prove the value of the reef.

## MURCHISON GOLDFIELD.

The progress of this field during the year has been most satisfactory. At the end of 1900 it was pleasing to be able to refer to an increase in the gold yield of 31 per cent. as compared with the year 1899, and it is still more pleasant to record that the yield of 146,592ozs. for 1901 shows an increase of about 39 per cent. over that for 1900. The acreage held for gold mining has increased during the year, and about 10 per cent. of the land held for gold mining in the State is held in this field.

The Warden points out that the success that has attended deep sinking at Day Dawn has led leaseholders in other parts of the field, particularly at Nannine, Star of the East, Mount Magnet, Lennonville, and Cue, to develop their mines at a greater depth, and good results are hoped for.

No new alluvial deposits have been discovered during the year, the few men engaged in this branch of mining having confined their attention to ground that has been previously worked.

There is but little idle machinery on the field, much that was unused last year has been removed and re-erected at various places throughout the field.

During 1900 no dividends were paid by companies operating on this field, and it is gratifying to note that three mines have paid dividends amounting to £70,168 during the year 1901.

## MOUNT MARGARET GOLDFIELD.

This goldfield, which is second only to the East Coolgardie field in point of production, has made great strides during the year, the reported output exceeding that for the previous year by 44,343ozs. In the year 1900 it produced about 9·6 per cent. of the total reported yield of the State, while for the year 1901 it produced about 10·3 per cent. This record is especially satisfactory in view of the fact that the average yield per ton of ore treated was ·76oz. as against 1·09oz. in 1900. The average number of men employed on gold mines is 275 greater than during the previous year; the number of ounces of gold produced per man employed being 88·53ozs., as against 78·02ozs. in 1900.

The Warden reports that though there has been little new country opened up during the year, much more attention is being paid to the legitimate development of prospecting shows, whereas in the past the main object of the small leaseholder was to do as little work as he could, and sell as quickly as possible.

At Murrin Murrin copper mining is still carried on, and during the year copper to the value of £40,738 was produced, a little more than half the total copper output of the State for the year.

The number of stamps on this goldfield is 484, as against 389 in 1900, and the value of the mining machinery has increased from £324,608 in 1900 to £413,784.

The approaching completion of the railway to Malcolm should do much to add to the prosperity of this goldfield in the future. Mining timber is scarce, and much has had to be carted from the terminus at Menzies, while the cost of carting machinery has been heavy. Should the line be carried on from Malcolm to Laverton in the near future, the cost of working the mines in the Eastern and Northern portions of this field should be greatly reduced.

It may be remarked that as a rule fresh water is easily obtainable on this field, and as there is a considerable extent of pastoral country, there is a good supply of fresh meat at reasonable rates, while vegetables can be readily grown.

#### EAST MURCHISON GOLDFIELD.

This field shows steady progress during the last year; the increase of the gold yield as reported to the Department being 18 per cent. above that for the previous year.

The revenue also shows an increase of 31 per cent.; population also shows an increase of 20 per cent.

No new finds of any importance have been reported.

Operations have been energetically carried on at the East Murchison United Mine, the output for which is 30,818ozs. as compared with 26,075ozs. for the previous year.

A public battery has been purchased by the Government, and has been of considerable benefit to the Lake Darlôt district, 807 tons of stone being crushed for 1,564ozs. since it has been taken over.

The number of stampers erected has increased from 155 in 1900 to 170 for 1901, and the value of mining machinery from £106,348 to £158,011.

Everything points to this field having a prosperous future before it.

#### NORTH COOLGARDIE GOLDFIELD.

This year has been one of general progress in this goldfield; though no new finds of any importance have been made, the reported gold yield of 148,305 ounces shows an increase of about 39 per cent. as compared with the yield for 1900, while the average per ton of stone crushed has increased from 1.16 to 1.36 ounces. The population of the field has slightly increased, while the number of men employed on gold mines, viz., 1,753, shows an increase of 243 as compared with that for 1900. The value of mining machinery has increased during the year to the extent of £34,862, making a total value of £284,502.

The extension of the railway from Menzies to Kookynie has had the effect of decreasing, to a slight extent, the population of Menzies, but a corresponding increase has taken place at Kookynie; the improved communication will add much to the prosperity of the Eastern part of this goldfield.



Of the four Government batteries erected on this field, those at Niagara and Mulline have had a prosperous year. The supply of stone at the Ida battery fell off towards the close of the year, and the Mulwarrie battery only commenced operations late in the year. The total tonnage crushed at these batteries during the year was 13,126 tons, producing 17,314 ounces of gold.

#### NORTH-EAST COOLGARDIE GOLDFIELD.

Though this goldfield cannot be said to have made marked progress during the year 1901, the Warden is of opinion that on the whole the mining industry has been quietly but steadily improving. The area held under gold mining lease is practically the same as for 1900, though the totals for the various districts have varied somewhat. In addition to the main centres of Kanowna and Bulong, there are many smaller mining centres scattered over this extensive goldfield. Details regarding these will appear in the Warden's report, in which a good deal of information is given as to the work done on the mines. During the year a great deal of work has been done and gold produced at the Oversight lead, near Bulong. This ground was worked for years intermittently, but without success, until in December, 1900, a prospector named McQueen obtained good results from some surface quartz; a number of quartz claims were pegged, and of these some six or seven proved phenomenally rich, and produced about £26,000 worth of gold during the year.

#### COOLGARDIE GOLDFIELD.

It cannot be said that this field as a whole has made much progress during the year, though, owing to fresh discoveries made in the Lord Bobs district (situated about two miles West of Burbanks), the applications for new leases in the Coolgardie district, in which this find is situated, have increased by about 46 per cent. during the year.

What is a new departure as regards Western Australian Goldfields is the erection of sluicing plants for treating abandoned alluvial areas on this goldfield, and which has resulted satisfactorily.

The decrease in the yield for the year amounted to 17 per cent. as compared with the yield of 1900.

#### BROAD ARROW GOLDFIELD.

The results of the year's operations show a large falling off in the gold output; the decrease of yield being 34 per cent., as compared with the yield for the previous year. This was chiefly owing to the closing down of the Paddington Consols Mine, the company having gone into liquidation. Notable exceptions to this are the Hill End, the Golden Arrow, and Half-Mile Reef Cos., which have been consistent producers.

Mining for alluvial is being carried on in the old leads with fair results.

During the year an economy was effected in the administration of this field, the Warden of North-East Coolgardie being also appointed Warden for Broad Arrow, as it was found that one Warden was able to efficiently carry on the duties of the two fields.

#### YILGARN GOLDFIELD.

A good deal of inactivity has prevailed on this goldfield during the year, and the result is a decrease of 2,568ozs. in the gold yield of 26,587ozs., as compared with that for the previous year. At Southern Cross the Fraser's mine has been constantly worked, and a considerable amount of development work has been done on it. Operations have been renewed on the Hope's Hill mine, which was closed down during the earlier part of the year. Promising properties are being developed in the vicinity of Greenmount, to the South of Southern Cross; but, in the absence of adequate capital, progress is of necessity slow. To the South-East of Southern Cross, properties are being

worked at Jacoletti's and Parker's Range, with encouraging results; while at Mount Jackson, some seventy miles to the North of Southern Cross, several properties are being worked, and it is anticipated that two 10-head batteries will be soon at work.

#### DUNDAS GOLDFIELD.

Mining operations on this field have proved quiet, and a decrease of 4,000ozs., or 10 per cent. on the previous year's output, is to be recorded. The deficiency is principally owing to the Norseman Gold Mines, Limited, suspending crushing operations during the end of the year, and also to the Government Public Battery having to close down for want of water and for necessary repairs to be effected. Owing to the scarcity of water, several mines were compelled to temporarily suspend operations.

A number of pastoral leases were taken up during the year. A large area of land is now held in this form on this goldfield.

In February of the year under review the discovery of a deep lead was reported in the Princess Royal district, and a number of claims were pegged; only a few, however, proving payable. This has become a flourishing mining centre, the Princess Royal now running 30 head of stamps.

The average per ton of ore milled has risen from .83 to .94oz.

#### PHILLIPS RIVER GOLDFIELD.

Though rapid progress has not been made on this field during the year 1901, yet there has been progress. Both copper and gold deposits exist; and copper ore to the value of £18,264 has been raised during the year; whereas the production during 1900 was only valued at £725. The production of gold—713 ounces—is small, as crushing power was not available during the greater part of the year. At the end of the year, 20 head of stamps had been erected, and a further 20 were in course of erection. Up to the present, satisfactory supplies of water for crushing purposes have not been obtained, but it is not anticipated that any great difficulty will be experienced in providing them.

During the year, in the absence of the Government Geologist, the consulting geologist, Mr. H. P. Woodward, visited the field, and furnished a report, which was of a favourable nature. The copper deposits were described by him as being apparently payable; but, on account of the high charges from the mines to the smelters in the Eastern States, could not be profitably developed without the establishment of local smelters. The Warden also points out that, as the charges (including smelting) on copper ore amount to between £8 and £9 per ton, only high-grade ore will pay to ship.

As this field is favoured with a good climate, a fair rainfall, and as areas of good agricultural land occur, the conditions of life should be much more pleasant than on most of the goldfields; and the proximity of its mines to the sea coast should prove an important factor in its future development.

#### PEAK HILL GOLDFIELD.

The progress of this field for the year has been somewhat disappointing, the yield of gold having fallen from 29,155 ounces in 1900, to 26,587 ounces in 1901; this is partly owing to the falling off in the output of the Peak Hill Goldfields property, and partly owing to the temporary closing of the Government Battery. As the mine above mentioned has recently been equipped with a forty-head mill and a cyanide plant with filter press, larger returns should be obtained during the coming year, and, with the proceeds of stone awaiting crushing at the Government Battery, an increased output for 1902 should result.

The Warden reports that mining matters at the "Horseshoe" have been very quiet during the year owing to the temporary cessation of work by the "Horseshoe Goldfields, Limited."

At the "Pinnacles," ten miles to the South-East of Peak Hill, and at Widgeena, about four miles further to the East, promising properties have been prospected, but no great amount of work has been done.

The Warden is of opinion that the field offers fair prospects for the investment of capital, and points out that on the completion of the railway to Nannine the distance over which supplies have to be carted will be materially reduced.

#### YALGOO GOLDFIELD.

Mining operations have been very quiet on this field for some considerable time.

Steady progress, however, is being made in the localities of Field's Find and Gullewa, also Yuin, Melville, and Nynghan.

The total yield shows a decrease of 9 per cent. on the previous year.

#### PILBARRA GOLDFIELD.

The small output, a decrease of 38 per cent. as compared with the yield for 1900, is partly attributable to the fact that several of the mines changed owners, and the new holders ceased crushing operations in order to develop their properties.

A fair amount of alluvial gold has been obtained during the year.

A novelty in motive power as regards this field has been successfully tried, two or three small batteries being driven by windmills.

The output of black tin, viz., 413 tons, shows an increase over that for the previous year. Very few leases are being worked, most of the ground being held as claims.

A number of pastoral leases have been taken up during the year; the good seasons, no doubt, encouraging applications.

The total population of the field shows an increase of 8.48 per cent. as compared with the year 1900.

#### WEST PILBARRA GOLDFIELD.

It is regrettable to notice that this field has made but little progress during the last year; in fact, the decrease in yield amounts to 76 per cent. as compared with the yield for 1900. Reports, however, from the Pilbarra and the Nicol are of a promising nature, and it is to be hoped that these centres will prove to be prosperous mining districts.

Want of capital to thoroughly prospect these districts appears to be a great drawback to the advancement of the field as a whole.

#### DONNYBROOK GOLDFIELD.

Work on this field has been confined to the leases held by the Donnybrook Goldfields, Limited, which are being developed to a depth in order to prove the mine, and on the results of this development work depends the future of this field. The prospects, so far, have proved encouraging, and as soon as results warrant it a crushing plant will be erected.

#### COLLIE RIVER COAL MINING DISTRICT.

It is regrettable to state that the output of coal for the past year has not surpassed that for 1900, the figures being 118,410 tons for 1900, and 117,836 tons for 1901. One of the causes to which this falling off can be attributed is the strike at the commencement of the year, when the mines were unworked for two or three weeks; shortage of trucks, too, has been a factor in the decrease of output.



A fire broke out on the Wallsend (the chief producing mine) about the middle of the year, which necessitated the sealing up of that portion of the workings. It is satisfactory to learn, however, that the fire was extinguished before the end of the year.

#### ASHBURTON GOLDFIELD.

Mining on this field has not made much progress during the past year, though it is true some considerable excitement was caused by the reported rich discoveries of silver, lead, and copper at Uaroo, 84 miles from Onslow. The locality being outside the existing boundaries of the field, it was found necessary to amend the boundaries so as to include the find. The Geologist sent to report on the discoveries expressed a favourable opinion on the prospects of the find, which requires the necessary development to prove its worth. Ore is being raised from several of the leases to be sent forward for treatment.

#### GREENBUSHES MINING DISTRICT.

The development of this field depends entirely on an established water supply, and until an ample supply of water is made available the output of tin cannot increase to any extent.

The Government tin-dressing plant bids fair to be a success, but very little ore had been treated up to the end of the year.

The reported yield of black tin for the year amounts to 321 tons, a decrease of 114 tons as compared with the previous year.

#### NORTHAMPTON MINING DISTRICT.

Matters were very quiet in this district during the year, the fall in the price of lead causing the almost total cessation of lead-mining, while the only mine worked for copper was the Geraldine Mine, situate to the North of Northampton, on the Murchison River. An inspection of the district was made during the year by two officers of the Department, and sites for bores selected by an officer of the Geological Staff. It is probable that a few bores will be put down by the Government during the coming year, to test some of the lodes at a depth.

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TABLE 25.

Value of Mining Machinery and Number of Stamps and other Mills, erected on the 31st December, 1901, compared with the previous year:—

Goldfield.	District.	Value of Mining Machinery.		Number of Stamps.		Other Mills.																																
		1900.	1901.	1900.	1901.	1900.							1901.																									
						Ball.	Griffin.	Huntington.	Tremain.	Prospecting.	Crushing Rollers.	Dry Crushers.	Puddlers.	Arrastras.	Ball.	Griffin.	Huntington.	Tremain.	Prospecting.	Crushing Rollers.	Dry Crushers.	Puddlers.	Arrastras.															
1. Kimberley		£ 8,305	£ 5,500	70	25			1				1																										
2. Pilbarra	Marble Bar	26,147	23,960	80	80				2																													
3. West Pilbarra	Nullagine	10,400	10,355	35	35																																	
4. Ashburton		12,875	500	30																																		
5. Gascoyne		1,525																																				
6. Peak Hill		32,291	105,703	40	50																																	
7. East Murchison		106,348	158,011	155	170																																	
	Cue	51,689	53,254	175	140	1		1																														
8. Murchison	Nannine	70,740	92,678	153	173																																	
	Day Dawn	49,169	99,902	70	100																																	
	Mt. Magnet	73,401	86,320	115	125																																	
9. Yalgoo		34,727	30,702	60	70																																	
	Mt. Malcolm	240,890	213,722	258	258																																	
10. Mt. Margaret	Mt. Margaret	83,718	200,062	131	226																																	
	Menzies	135,961	136,922	148	138																																	
11. North Coolgardie	Ularring	37,043	54,877	60	80																																	
	Niagara	63,874	83,460	105	95																																	
	Yerilla	12,762	9,243	45	40																																	
12. Broad Arrow		159,880	134,359	235	240	1																																
	Konowna	98,109	95,593	175	195	1	2	4					2	1	1	6	4	1	1	6																		
13. North-East Coolgardie	Bulong	23,025	19,095	30	30																																	
	Kurnalpi	3,086	1,855	10																																		
14. East Coolgardie		1,077,557	1,814,422	360	470	34	24	13					9	5	2			34	27	14																		
	Coolgardie	255,276	232,419	416	401																																	
15. Coolgardie	Kunanalling	72,246	52,380	138	133	2																																
16. Yilgarn		80,632	81,343	175	175																																	
17. Dundas		86,819	87,584	150	135	2																																
18. Phillips River			10,809		20																																	
19. Donnybrook		3,200	1,200	5		1																																
Goldfields generally		82,762	86,112	60	60																																	
Total Gold Extracting Machinery		2,994,407	3,982,342	3,484	3,674	42	30	21	18	19	15	10	10	5	44	32	25	9	25	15	8	10	4															
Total Machinery other than Gold Extracting		28,682	41,433		5			1	1		1	1	11	3			1			1	2	15																
TOTAL MINING MACHINERY		3,023,089	4,023,775	3,484	3,679	42	30	22	19	19	16	11	21	8	44	32	26	9	25	16	10	25	4															

TABLE 26.

Population of Mining Centres on 31st December, 1901, as compared with 31st December, 1900.

Goldfields and Mining Districts.		Males.		Females.		Total.		Comparison.	
Name.	Mining Centres.	1900.	1901.	1900.	1901.	1900.	1901.	Increase.	Decrease.
Ashburton	Dead Finish ...	8	2	1	...	9	2	...	7
	Gorge ...	3	6	...	...	3	6	3	...
	Mount Mortimer ...	4	4	...	...	4	4	...	...
	Outside ...	8	8	...	...	8	8	...	...
	Soldier's Secret ...	14	11	...	...	14	11	...	3
	Top Camp ...	4	5	...	...	4	5	1	...
	Uaroo ...	...	33	...	6	...	39	39	...
	Surrounding districts	19	26	1	3	20	29	9	...
Broad Arrow ...	...	1,878	900	502	450	2,380	1,350	...	1,030
Coolgardie	Coolgardie ...	3,883	3,447	2,310	2,000	6,193	5,447	...	746
	Kunanalling ...	464	400	125	115	589	515	...	74
Donnybrook ...	...	623	560	163	245	786	805	19	...
Dundas ...	...	942	1,030	523	420	1,465	1,450	...	15
East Coolgardie	...	16,500	16,651	9,400	9,499	25,900	26,100	200	...
East Murchison	Black Range ...	7	12	2	4	9	16	7	...
	Cork Tree ...	...	30	...	1	...	31	31	...
	Kathleen Valley ...	90	95	5	9	95	104	9	...
	Lawlers ...	420	705	70	127	490	833	343	...
	Lake Way ...	265	298	15	45	280	343	63	...
	Sir Samuel ...	175	140	15	28	190	168	...	22
	Lake Darlôt ...	100	100	8	20	108	120	12	...
	Mount Clifford ...	20	15	...	...	20	15	...	5
	New England ...	10	8	...	...	10	8	...	2
	Wilson's Creek ...	7	12	...	1	7	13	6	...
Gascoyne ...	...	15	...	...	15	15	...	...	
Mount Margaret	Mount Malcolm ...	2,058	1,950	476	550	2,534	2,500	...	34
	Mount Margaret	2,380	1,900	339	300	3,719	2,200	...	519
	Cue ...	820	†	330	†	1,150	1,509	359	...
Murchison	Nannine ...	935	950	155	160	1,090	1,110	20	...
	Day Dawn ...	510	†	164	†	674	1,130	456	...
	Mount Magnet ...	868	906	287	346	1,155	1,252	97	...
North Coolgardie	Menzies ...	2,200	1,318	880	856	3,080	2,174	...	906
	Ularring ...	525	1,027	75	149	600	1,176	576	...
	Niagara ...	850	1,000	150	300	1,000	1,300	300	...
	Yerilla ...	300	350	30	40	330	390	60	...
North-East Coolgardie	Kanowna ...	1,487	1,400	606	600	2,093	2,000	...	93
	Bulong ...	503	350	187	160	690	510	...	180
Peak Hill	Kurnalpi ...	123	90	8	6	131	96	...	35
	...	520	600	63	63	583	663	80	...
Phillips River	Ravensthorpe ...	300	298	10	103	310	401	91	...
	Mt. Desmond (Elverdton)	50	78	3	11	53	89	36	...
	Mary Ann Harbour (Hopetoun)	20	29	3	15	23	44	21	...
Pilbarra	Kundip ...	...	...	...	...	...	...	...	...
	Marble Bar ...	720	777	50	78	770	855	85	...
	Nullagine ...	225	213	7	4	232	217	...	15
	Balla Balla ...	7	11	2	3	9	14	5	...
	Croydon ...	11	4	1	...	12	4	...	8
	Egina ...	5	6	...	...	5	6	1	...
	Hong Kong ...	12	1	1	...	13	1	...	12
West Pilbarra	Lower Nicol ...	11	12	2	3	13	15	2	...
	Mallina ...	4	...	...	...	4	...	...	4
	Mons Cupri ...	12	10	...	...	12	10	...	2
	Pilbarra ...	13	18	...	2	13	20	7	...
	Toweranna ...	20	2	1	...	21	2	...	19
	Whim Creek ...	35	11	4	3	39	14	...	25
	Carlaminda ...	2	...	2	...	4	...	...	...
Yalgoo	Field's Find ...	140	...	30	...	170	...	...	...
	Gullewa ...	45	...	17	...	62	...	...	...
	Noongal ...	8	...	6	...	14	...	...	...
	Pinyalling (Nynghan)	14	540	1	260	15	800	337	...
	Rothesay ...	4	...	10	...	14	...	...	...
	Wadgingarra ...	2	...	...	...	2	...	...	...
Yilgarn	Yalgoo ...	85	...	65	...	150	...	...	...
	Yuin ...	26	...	6	...	32	...	...	...
Yilgarn ...	...	963	1,037	583	407	1,546	1,444	...	102
Kimberley ...	...	125	134	8	14	133	148	15	...
Collie ...	...	1,100	887	700	513	1,800	1,400	...	400
Greenbushes ...	...	471	412	265	256	736	668	...	68
Northampton	Northampton ...	380	370	175	180	555	550	...	5
	Geraldine ...	14	*	4	*	18	*	...	*18
Yandanooka ...	...	14	12	5	3	19	15	...	4
Total	...	44,376	41,217	18,851	18,308	63,227	62,164	3,290	4,353

\* Included in Northampton for 1901. Separate figures not supplied. † The numbers of males and females are not shown in totals supplied by Warden.

TABLE 27.  
Water supply during 1901.

Goldfield and Mining Districts.	Centres.	Average depth at which Salt Water is struck.	Average depth at which Fresh or Stock Water is struck.	Government Tanks.		Rainfall.
				No.	Capacity.	
Collie ... ..	Collie ... ..	...	40 feet	...	...	* 31'03
Gascoyne ... ..	...	...	...	...	...	...
West Pilbarra ... ..	Croydon ... ..	...	25 feet	...	...	13'38
	Egina ... ..	...	110 feet	...	...	14'00
	Hong Kong ... ..	...	60 feet	...	...	14'00
	Lower Nicol ... ..	...	30 feet	...	...	11'00
	Mons Cupri ... ..	...	70 feet	...	...	14'00
	Toweranna ... ..	...	100 feet	...	...	14'00
Phillips River ... ..	Whim Creek ... ..	...	60 feet	...	...	14'48
	Ravensthorpe ... ..	40 feet	...	*	...	No records yet
	Harbour View ... ..	40 feet	...	*	...	Do.
Kimberley ... ..	Hopetoun ... ..	...	15 feet	†	...	Do.
	Halls Creek ... ..	...	50 feet	†	...	18'25
Murchison ... ..	Cue ... ..	170 feet	110 feet	†	...	4'81
	Day Dawn ... ..	...	...	...	...	4'54
	Nannine ... ..	25 feet	19 feet	†	...	5'68
Ashburton ... ..	Mount Magnet ... ..	80 feet	35 feet	...	...	5'98
	Dead Finish ... ..	97 feet	...	...	...	...
	Gorge ... ..	...	60 feet	...	...	...
	Mount Mortimer ... ..	...	60 feet	...	...	...
	Outside ... ..	35 feet	35 feet	...	...	6'14
	Soldier's Secret ... ..	...	28 feet	...	...	...
Pilbarra ... ..	Top Camp ... ..	...	50 feet	...	...	...
	Uaroo ... ..	...	80 feet	...	...	...
Northampton ... ..	Marble Bar ... ..	...	30 feet	...	...	21'85
	Nullagine ... ..	...	50 feet	...	...	20'50
Yandanooka ... ..	Northampton ... ..	...	20 feet	...	...	18'79
	Yandanooka ... ..	...	30 feet	...	...	16'54
Yilgarn ... ..	Southern Cross ... ..	60 feet	...	...	...	7'38
	Tarcoola ... ..	...	100 feet	...	...	...
	Hope's Hill ... ..	100 feet	...	...	...	...
	Jacoletti ... ..	...	250 feet	5	2,086,000 gals.	...
	Parker's Range ... ..	50 feet	...	...	...	...
	Mount Jackson ... ..	100 feet	...	...	...	6'75
Peak Hill ... ..	Greenmount ... ..	60 feet	180 feet	...	...	...
	Peak Hill ... ..	...	280 feet	...	...	7'74
North-East Coolgardie ... ..	Kanowna ... ..	110 feet	100 feet	1	3,691,800 gals.	6'53
	Bulong ... ..	300 feet	...	1	3,027,155 gals.	9'98
	Kurnalpi ... ..	200 feet	...	...	...	7'63
East Coolgardie ... ..	Kalgoorlie ... ..	165 feet	...	...	...	8'03
	Donnybrook ... ..	...	30 feet	...	...	34'55
East Murchison ... ..	Lawlers ... ..	...	60 feet	...	...	7'48
	Lake Darlot ... ..	60 feet	20 feet	...	...	7'67
	Lake Way ... ..	60 feet	60 feet	...	...	7'58 11 months
	New England ... ..	...	65 feet	...	...	...
Greenbushes ... ..	Mt. Sir Samuel ... ..	80 feet	60 feet	...	...	6'55
	Greenbushes ... ..	...	from 6 to 120 feet	5	†	37'27
Mount Margaret ... ..	Malcolm ... ..	...	from 50 to 100 feet	...	...	5'30
	Laverton ... ..	...	from 70 to 130 feet	...	...	6'91
Dundas ... ..	Norseman ... ..	from 100 to 300 feet	from 50 to 100 feet	1	1,300,000 gals.	8'72
Coolgardie ... ..	Coolgardie ... ..	85 feet	80 feet	12	440,000 gals.	7'18
	Broad Arrow ... ..	150 feet	110 feet	3	15,223,400 gals.	7'68
Yalgoo ... ..	Yalgoo ... ..	from 15 to 25 feet	from 12 to 30 feet	1	3,000,000 gals.	4'25
North Coolgardie ... ..	Menzies ... ..	5 to 25 feet	70 to 80 feet	1	3,049,400 gals.	7'17
	Goongarrie ... ..	...	...	1	1,048,300 gals.	6'86
	Mulline ... ..	130 feet	130 feet	1	1,527,000 gals.	...
	Speakmans ... ..	...	...	1	1,088,400 gals.	...
	Niagara ... ..	...	85 feet	1	38,750,000 gals.	5'94 11 months
	Yerilla ... ..	...	90 to 100 feet	...	...	6'30

\* Condensers—1,000 and 500 gallons daily respectively.

† Wells.



## PART IX.—ENGINE-DRIVERS' EXAMINATIONS.

TABLE 28.

Number of Examinations for Learners' 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 1901.

Goldfield.	Place of Examination.	Number of Examinations.	Learners' Permits.	Interim.		Competency.		Service.		Copies.
				Second Class.	First Class.	Second Class.	First Class.	Second Class.	First Class.	
Peak Hill ... ..	Peak Hill ... ..	1	1	...	...	2	...	...	...	2
East Murchison ... ..	Lawlers ... ..	1	13	...	...	4	1	...	...	...
Do. ... ..	Mt. Sir Samuel ... ..	1	5	...	...	4	...	...	...	...
Do. ... ..	Wiluna (Lake Way) ... ..	1	1	...	...	1	...	...	...	...
Murchison ... ..	Cue ... ..	2	20	4	1	25	8	...	...	4
Do. ... ..	Mt. Magnet ... ..	2	9	...	...	12	6	...	...	...
Yalgoo ... ..	Field's Find ... ..	2	10	...	...	2	...	...	2	...
Mt. Margaret ... ..	Mt. Malcolm ... ..	3	5	4	5	26	5	2	4	1
Do. ... ..	Laverton ... ..	1	6	...	...	4	2	...	...	...
North Coolgardie ... ..	Menzies ... ..	2	13	6	10	7	5	3	4	6
North-East Coolgardie ... ..	Kanowna ... ..	2	7	1	1	16	5	...	...	...
East Coolgardie ... ..	Kalgoorlie ... ..	5	7	16	17	21	7	5	9	11
Coolgardie ... ..	Coolgardie ... ..	4	24	4	3	8	1	...	1	1
Yilgarn ... ..	Southern Cross ... ..	2	2	...	...	4	2	...	...	4
Dundas ... ..	Norseman ... ..	3	11	1	1	9	5	1	2	1
	Collie ... ..	9	14	...	...	6	...	1	...	...
	Perth (Head Office) ... ..	9	7	...	2	19	2	3	2	3
	Total ... ..	50	155	36	40	170	49	15	24	33

During the year seventeen boards of examiners have held fifty examinations, the number being the same as in 1900. On the Eastern Goldfields the boards, with the exception of that at Norseman, consist of the Chief Inspector of Boilers as Chairman, the Inspector of Mines for the District, and usually one member representing the mine managers and one the Engine-drivers' Association, and the composition of the other boards is much the same, with the exception that the local Inspector of Mines acts as Chairman.

During the year 155 learners' permits have been issued, as against 92 in 1900. These permits are issued to youths, not under the age of seventeen, who satisfy the board that they are mentally and physically sound, and have received an elementary education. The number of certificates issued during the year authorising the holder to drive any machinery on a mine was 73 as against 102 in the year 1900; the number authorising the holder to drive any machinery except that used for raising or lowering men and materials in a shaft, etc., being 185 as against 269 in 1900.

## PART X.—INSPECTION UNDER THE STEAM BOILERS ACT.

The report of the Chief Inspector of Boilers shows that, at the end of the year 1901, 2,421 boilers were registered, or 214 more than at the end of the year 1900, and that during the year 2,344 inspections have been made.

The expenditure for the year was £3,662 6s. 6d., and as the revenue was £2,731 17s. the cost of boiler inspection to the State was £930 9s. 6d. I should, in this connection, point out that six of the inspectors also act as inspectors of mines, and only a small proportion of their salaries is charged against boiler inspection; were the proportion charged based on the work done in connection with boiler inspection, the expenditure would be considerably increased. It should be pointed out that the heavy cost of boiler inspection is caused in a great measure by the large amount of time lost in travelling in this country of long distances.

The Chief Inspector again draws attention to the drawbacks of the system of inspectors of mines acting as inspectors of boilers, and from the point of view of mine inspection I can indorse his views, for experience has shown that, in a district in which extensive mining operations are being carried on, an inspector cannot carry out the duties of the Mines Regulations Act and the Steam Boilers Act satisfactorily. The appointment of separate boiler inspectors in some districts is proposed, and it should be a matter for consideration whether further appointments of a similar nature should not be made; such a course will doubtless add to the expense of the administration of the Steam Boilers Act, but, at the same time, the inspection of boilers will be made much more efficient.

## PART XI.—DEPARTMENTAL.

TABLE 29.

Return showing Revenue and Expenditure during the Years 1900 and 1901.

Field.	Revenue, 1900.	Percent- age of gross Revenue, 1900.	Revenue, 1901.	Percent- age of gross Revenue, 1901.	Expenditure, 1900.	Percent- age of gross Expendi- ture, 1900.	Expenditure, 1901.	Percent- age of gross Expendi- ture, 1901.
	£ s. d.		£ s. d.		£ s. d.		£ s. d.	
Ashburton ...	34 3 6	·03	306 19 3	·41	290 7 3	·47	476 3 6	·77
Broad Arrow ...	2,725 3 3	3·4	2,318 19 6	3·12	1,782 5 6	2·9	1,236 18 9	2·09
Coolgardie ...	7,412 5 9	9·4	6,511 8 0	8·88	5,409 13 10	8·8	4,994 6 11	8·09
East Coolgardie ...	11,835 15 9	15·0	9,502 18 3	12·8	5,175 11 7	8·4	4,228 8 7	6·85
North Coolgardie	10,144 17 6	12·8	9,175 2 9	12·3	4,794 4 1	7·8	4,761 8 10	7·7
N.E. Coolgardie ...	4,212 17 9	5·3	4,396 8 0	5·9	3,304 4 11	5·36	3,457 14 0	5·6
Dundas ...	2,440 12 9	3·1	1,993 18 9	2·68	2,254 0 7	3·7	2,406 19 2	3·9
Gascoyne ...	35 4 0	·03	19 13 0	·025	127 13 11	·2	137 0 0	·22
Kimberley ...	60 12 0	·7	85 13 0	·11	99 19 8	·16	79 9 9	·13
Mt. Margaret ...	11,239 3 9	14·2	12,651 9 0	17·04	5,365 5 10	8·7	6,303 15 10	10·2
Murchison ...	7,267 7 3	9·2	7,549 1 0	10·17	6,054 7 11	9·8	6,264 13 8	10·15
East Murchison ...	3,130 9 6	3·9	4,115 19 3	5·55	1,554 13 7	2·5	1,796 13 0	2·9
Peak Hill ...	3,099 5 6	3·8	2,231 5 3	3·005	1,478 16 10	2·4	1,238 0 5	2·05
Pilbarra ...	1,880 10 3	2·4	1,417 10 9	1·91	1,913 10 4	3·1	2,026 12 9	3·28
Pilbarra, West ...	667 0 6	·85	435 19 9	·58	263 4 4	·42	321 5 0	·52
Yalgoo ...	1,066 13 9	1·3	956 0 0	1·29	482 14 1	·78	305 12 2	·49
Yilgarn ...	1,244 3 3	1·6	945 16 0	1·27	923 2 6	1·5	1,013 15 10	1·64
Phillips River ...	2,578 16 6	3·2	2,253 8 0	3·04	297 7 2	·48	1,064 9 1	1·73
Collie ...	3,826 2 1	4·8	3,302 18 6	4·45	1,210 5 9	1·96	985 9 3	1·6
Northampton ...	72 0 5	·09	370 0 9	·5	157 18 0	·25	111 7 10	·18
Greenbushes ...	1,107 4 9	1·4	1,489 5 0	2·0	1,148 10 8	1·9	1,065 2 2	1·71
Donnybrook ...	1,397 8 0	1·8	489 1 0	·66	1,093 17 10	1·8	404 3 6	·65
Head Office ...	1,373 5 11	1·7	1,718 2 10	2·31	16,410 16 6	26·62	17,007 13 10	27·35
	78,851 3 8	100·0	74,236 17 7	100·0	61,592 12 8	100·0	61,737 3 10	100·0

Above table includes Revenue and Expenditure under "Steam Boilers Act," but not "Public Batteries."

The above table shows the revenue and expenditure of the various goldfields and mining districts, exclusive of the receipts and expenditure in connection with the State batteries. It will be seen that there has been a falling off in the revenue of £4,615 as compared with the previous year; the greatest decrease appears in the returns from the East Coolgardie Goldfield, which shows a decrease of £2,333, which is to a large extent accounted for by the abandonment of leases lying on the outskirts of the main auriferous belt. Several goldfields show an increase in revenue, notably the Mount Margaret and East Murchison. Of the various fields, Mount Margaret produced about 17 per cent. of the total revenue; East Coolgardie, North Coolgardie, and Murchison following with 12·8, 12·3, and 10·2 per cent. respectively. The expenditure has varied but little as compared with the previous year, an increase of £145 appearing. The cost of administering the goldfields may appear high, but in a great measure this may be accounted for by the enormous extent of the auriferous country in which facilities must be provided for the mining public. With more railways and consequently quicker and cheaper means of communication, it should be possible to effect many economies. I should also point out that many of the officials of this department

on the goldfields perform many duties for other departments, while in most cases the whole of their salaries, allowances, travelling expenses, etc., is charged against the Mines expenditure; for instance, in nearly every case the Wardens act as Resident Magistrates on the various fields, the duties of this position occupying fully half their time, while their salaries, allowances, and expenses are paid by the Mines Department; were the proper department charged with a fair proportion of the expense, fully £4,000 could be saved to this department in salaries alone.

TABLE 30.

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 Inspectors of Mines and Boilers.	
	1900.	1901.	1900.	1901.	1900.	1901.	1900.	1901.	1900.	1901.	1900.	1901.	1900.	1901.
Ashburton <i>a</i> ...	1	1	1	1	1	1	...	...	...	...	...	...	...	...
Broad Arrow <i>b</i> ...	1	1	1	1	2	<i>h</i> 1	...	...	1	...	...	...	...	...
Coolgardie ...	1	1	1	1	2	2	1	1	3	<i>*</i> 3	1	<i>†</i> 1	1	1
East Coolgardie ...	1	1	1	1	2	2	2	1	1	1	1	1	1	1
North Coolgardie ...	1	1	2	2	2	3	2	2	1	1	1	<i>†</i> 1	1	1
North-East Coolgardie ...	1	1	2	2	3	3	...	...	1	1	1	<i>†</i> 1	1	1
Dundas ...	1	1	1	1	2	2	...	...	...	...	1	<i>†</i> 1	1	1
Gascoyne <i>a</i> ...	...	...	1	1	1	1	...	...	...	...	...	...	...	...
Kimberley <i>c</i> ...	1	1	1	1	1	1	...	...	...	...	...	...	...	...
Mount Margaret ...	1	1	2	2	3	3	2	2	1	1	1	<i>†</i> 1	1	1
Murchison ...	1	1	3	3	4	4	...	...	2	<i>‡</i> 2	1	<i>†</i> 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 <i>d</i> ...	1	1	1	1	1	1	...	...	...	...	...	...	...	...
Yalgoo <i>e</i> ...	...	...	1	1	1	1	...	...	...	...	...	...	...	...
Yilgarn ...	1	1	1	1	1	1	...	...	...	...	...	...	...	...
Collie ...	...	...	1	1	1	1	...	...	...	...	1	1	...	...
Northampton ...	...	...	1	1	1	1	...	...	...	...	...	...	...	...
Greenbushes <i>f</i> ...	...	...	1	1	2	2	2	1	...	...	...	...	...	...
Donnybrook <i>f</i> ...	1	1	1	1	1	1	...	...	...	...	...	...	...	...
Phillips River <i>g</i> ...	1	1	1	1	1	1	...	...	...	...	...	...	...	...
	17	17	30	30	38	37	9	7	11	10	8	8	7	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* The Warden of the North-East Coolgardie Goldfield also acts as Warden of the Broad Arrow Goldfield, in addition to his former duties; this acting appointment dating from 14th June, 1901. *c* The Deputy Mining Registrar at Hall's Creek also acts as Warden of the Kimberley Goldfield. *d* Acting Warden, without salary. *e* The Warden, Murchison, also acts as Warden of the Yalgoo Goldfield, without additional salary. *f* The Mining Registrar, Greenbushes, also acts as Warden of the Greenbushes Mining District and Donnybrook Goldfield. *g* The Warden of the Phillips River Goldfield also acts as Mining Registrar. *h* The offices of Mining Registrar and Draftsman are carried out by one officer.

\* Includes Inspecting and Field Surveyor. † Also acts as Inspectors of Boilers for their respective fields. ‡ Includes Inspecting Surveyor.

With regard to the above table, the staff has been reduced by four compared with the number employed in the previous year, and is made up by one Registrar less at Broad Arrow and one of the survey staff at the same place, and two clerks—one at East Coolgardie and the other at Greenbushes.

## OFFICERS EMPLOYED AT HEAD OFFICE.

TABLE 31.

Return showing Number of Officers employed at Head Office.

Branch.	1900.	1901.
Clerical ...	Chief Clerk, 10 Clerks, 4 Messengers	Chief Clerk, 10 Clerks, and 4 Messengers.
Accountant's ...	Chief Accountant, 3 Clerks, and Junior Clerk	Chief Accountant, 4 Clerks, and Junior Clerk.
Drafting ...	Chief Draftsman and 7 Draftsman	Chief Draftsman and 7 Draftsmen.
Registration ...	Inspecting Registrar, Registrar, and 5 Clerks	Inspecting Registrar, Registrar, Relieving Registrar, and 4 Clerks.
Statist's ...	Statist and 4 Clerks	Statist and 4 Clerks.
Survey ...	Assistant Inspecting Surveyor, Computing Draftsman, and 2 Junior Draftsmen	Assistant Inspecting Surveyor, Computing Draftsman, and 2 Junior Draftsmen.
Public Batteries ...	Superintendent and 2 Clerks	Superintendent and 2 Clerks.
Steam Boilers ...	Chief Inspector, 3 Clerks, and 3 Assistant Inspectors	Chief Inspector, 3 Clerks, and *3 Assistant Inspectors.

\* Engaged in Boiler Inspection in the South-West District.





TABLE 34.

*Letters, Wires, etc., despatched during 1901.*

Branch.	Letters.	Telegrams.	Circulars.	Statistics and Publications.	Totals.
Batteries Branch ... ..	2,000	250	...	...	2,250
Boilers Branch ... ..	4,391	108	...	...	4,499
Chief Accountant's Branch	1,640	239	...	...	1,879
Correspondence Branch ...	8,609	1,620	*715	*3,920	10,229
Drafting Branch ... ..	141	30	...	...	171
Registration Branch ... ..	5,700	650	...	...	6,350
Statistical Branch ... ..	384	283	*1,200	*12,500	667
Survey Branch ... ..	800	92	...	...	892
	23,665	3,272	*1,915	*16,420	26,937

\* Not included in Totals.

*Correspondence registered during 1901:—*

Correspondence Branch ... .. 7,481

CLERICAL.—This work has gone on satisfactorily during the year, and the above table gives some idea of the work performed.

STATISTICAL.—The officers of this branch have been fully employed in compiling the usual statistics, and the work has been performed with accuracy and despatch. It is proposed, during the coming year, that the compilation of the returns of gold exported and received at the Royal Mint, previously compiled by Treasury officials, shall be done by this branch.

GENERAL.—The conduct of the work of the various Wardens' and Registrars' offices on the goldfields and mining districts has left little to be desired, considering that a number of our officials have many and varied duties to perform for other departments, and the adverse climatic conditions under which many of them have to work.

In conclusion, I have to thank the officers of the Department for the ready assistance they have at all times given me in carrying out my duties.

I have, etc.,

H. S. KING,

Under Secretary for Mines.

Department of Mines, Perth, 10th May, 1902

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

SIR,

I have the honour to report on this Goldfield for the year 1901 :—

Gold yield—Alluvial	...	...	...	164·00ozs.
Milled	...	...	...	133·06ozs.
Total	...	...	...	<u>297·06ozs.</u>

The only mine in operation is the Ruby Queen. Only a small quantity of ore was put through last year, owing to the short duration of the wet season. The milled gold in the above return was obtained from 185 tons. The manager of this mine informs me he expects to crush fully 500 tons next year, as we have had abundance of rain. You will perceive that the alluvial yield is not large. There are at present fifteen fossickers on various parts of the field, very few of whom ever visit this centre at all; and as this goldfield is so large—nearly 47,000 square miles—it is impracticable for me to visit the various centres, hence it is impossible for me to obtain the correct gold yield. The returns furnished by me from month to month are, if anything, under-estimated.

There have been no startling finds or discoveries during the past year. The fossickers are distributed in the various mining centres, and from information I can gather, they manage to make a little over rations—that is, from two to three ounces per man per month.

*Climate.*—The climate for the past year has been rather trying, the hottest month being December, average 104 deg.

I have, etc.,

D. W. GREEN,  
Acting Warden.

Hall's Creek, 15th February, 1902.

TABLE A.

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

	Year 1900.	Year 1901.
Number of Gold Mining Leases in force	4	3
Area of Gold Mining Leases in force, in acres	38	19
Number of Quartz Claims in force (tunnelling)	1	1
Number of Residence Areas in force	2	1
Number of Business Areas in force	3	1
Number of Machine Areas in force	3	3
Number of Tailings Areas in force	...	2
Number of Garden Areas in force	2	1
Number of Miners' Rights issued during	16	20
Number of Business Licenses issued during	1	5

TABLE G.

*Mining Revenue, 1900-1901:*

	Goldfield or Mining District.	Year 1900.		Year 1901.	
		£	s. d.	£	s. d.
Lease Rental under Goldfields Act	Kimberley	26	16 0	20	16 0
Other Rentals, Goldfields Act	Do.	32	10 0	48	15 0
Receipts from all other sources under Goldfields Act	Do.	0	5 0	3	10 0
Receipts from all other sources under Mineral Lands Act	Do.	...	...	0	1 0
Survey Fees (Leases, Areas, etc.)	Do.	...	...	9	0 0
Exemption Fees (Leases, Areas, etc.)	Do.	1	1 0	3	8 0
Receipts from all other sources	Do.	...	...	0	3 0
<b>Total Mining Revenue</b>	...	<b>60</b>	<b>12 0</b>	<b>85</b>	<b>13 0</b>

TABLE K.  
Yield of Gold for Year ended 1901.

Goldfield.	Alluvial.	Dolled and Specimens.	Tons crushed.	Return in Ozs.	Total yield.		Average per ton, exclusive of Alluvial and Specimens.	
					1900.	1901.	1900.	1901.
Kimberley	ozs. 164.00	...	185.00	133.06	ozs. 571.15	ozs. 297.06	ozs. .40	ozs. .72

**Report by the Warden of the Pilbarra Goldfield for the Year 1901.**

*The Under Secretary for Mines, Perth.*

SIR,

I have the honour to submit, for the information of the Honourable the Minister, the following Report on the Pilbarra Goldfield for the year 1901.

The gold yield for the year was not so large as that for 1900. This is accounted for by the fact that several of the gold-producing mines changed hands during the year. The new owners immediately stopped crushing, and started to thoroughly develop the properties. They will, doubtless, commence crushing operations during the present year, when it is expected that the output will show a considerable increase.

The principal gold-producing centres in the Marble Bar District were Bamboo Creek, Warrawoona, Lalla Rookh, and Yandicoogina; and in the Nullagine District, Nullagine, Mosquito Creek, Sandy Creek, and Middle Creek.

Mining matters at Marble Bar, Tambourah, Western Shaw, North Shaw, and Talga Talga were very dull, only a few miners being employed.

*Alluvial.*—This field has produced a fair amount of alluvial gold during the year, and I am of the opinion that the quantity reported is less than the amount actually obtained.

A new departure in quartz-crushing has been commenced, with good success, in this field. Windmills have been used as motive power for driving one and two-head prospecting batteries. One three-head plant is now on the road, to be erected at Boodalyerrie, to be driven by a windmill.

A silver-lead lode was reported as having been found in May last, not far from Braeside Station, on the Oakover River, and about 100 miles due East from Marble Bar, but, owing to the distance from a port and the low price of silver, it has not been worked.

*Tin.*—The quantity of tin obtained during the year shows an increase on that for the previous year (1900). This I consider very satisfactory, taking into consideration the disadvantages under which mining of this kind is carried on. During several months of the year the heat is so great that it is next to impossible for men to work on the surface; the claims are also held back at times on account of the scarcity of water for sluicing purposes. Very few of the leases taken up for tin mining are being worked. Most of the tin has been obtained by fossickers.

Stream tin is obtained from two centres, viz., Moolyella and Cooglegong. The Moolyella field is situated 12 miles N.E. of Marble Bar, and the Cooglegong field is situated 45 miles S.W. from Marble Bar and near the Shaw River. I am informed that both these fields will last for some time yet.

The mining revenue for the year shows a decrease on that for 1900; but revenue received for other departments, in most cases, shows a substantial increase.

During the year a number of Pastoral Leases were taken up on this field, and I have to again report that the pastoralists have had another good season. Several new stations are being formed, and mobs of cattle for breeding purposes are on the road from Kimberley.

The chief port for this field is Port Hedland. It has a substantial jetty, with good facilities for shipping stock. The town comprises three hotels, post office, branch of the Union Bank, police station, Customs house, and several stores. This port is likely to become the most important north of Geraldton.

I have no fatal or serious accidents to report, and the health of the field has been good.

The Pilbarra Goldfield being somewhat distant from the more populated parts of the State, is greatly hampered by the cost of freight, etc., from the southern markets; but the greatest difficulty this field has to contend with is the scarcity of fuel and mining timber, and until a better and cheaper mode of transport than that prevailing at present is provided, I do not think mining on a large and systematic scale can be carried on.

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, 14th February, 1902.

TABLE A.

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

	Year 1900.	Year 1901.
Number of Gold Mining Leases applied for ... ..	47	24
Area of Gold Mining Leases applied for, in acres ... ..	447	270
Number of Gold Mining Leases abandoned, surrendered, or forfeited ... ..	12	33
Number of Gold Mining Leases refused ... ..	1	Nil
Number of Gold Mining Leases in force ... ..	59	52
Area of Gold Mining Leases in force, in acres ... ..	529	509
Number of Water Rights in force ... ..	17	14
Area of Water Rights in force, in acres ... ..	21	17
Number of Quartz Claims in force ... ..	77	76
Number of Protection Areas in force ... ..	67	11
Number of Residence Areas in force ... ..	118	104
Number of Business Areas in force ... ..	38	35
Number of Machine Areas in force ... ..	21	20
Number of Tailings Areas in force ... ..	5	5
Number of Garden Areas in force ... ..	13	13
Number of Miners' Rights issued during ... ..	352	252
Number of Business Licenses issued during ... ..	21	19

TABLE B.

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

	Year 1900.	Year 1901.
Number of Mineral Leases applied for ... ..	16	12
Area of Mineral Leases applied for, in acres ... ..	482	366
Number of Mineral Leases abandoned, surrendered, or forfeited ... ..	12	13
Number of Mineral Leases refused ... ..	9	Nil
Number of Mineral Leases in force ... ..	21	21
Area of Mineral Leases in force, in acres ... ..	756	665
Number of Water Rights in force ... ..	1	1
Area of Water Rights in force, in acres ... ..	2	2
Number of Lode Claims in force ... ..	...	1
Number of Alluvial Claims in force ... ..	1	4
Number of Protection Areas in force ... ..	1	...
Number of Mining Licenses issued during ... ..	140	94

TABLE G.

*Mining Revenue, 1900-1901.*

	Goldfield or Mining District.	Year 1900.	Year 1901.
Lease Rental under Goldfields Act ... ..	Pilbarra ...	£ 533 16 0	£ 489 0 0
Other Rentals, Goldfields Act ... ..	Do. ...	396 12 0	305 10 0
Receipts from all other sources under Goldfields Act ... ..	Do. ...	82 10 0	84 19 0
Lease Rental under Mineral Lands Act ... ..	Do. ...	259 10 0	162 2 0
Other Rentals, Mineral Lands Act ... ..	Do. ...	62 17 6	47 12 6
Receipts from all other sources under Mineral Lands Act ... ..	Do. ...	24 1 6	14 12 6
Survey Fees (Leases, Areas, etc.) ... ..	Do. ...	380 0 0	193 10 0
Exemption Fees (Leases, Areas, etc.) ... ..	Do. ...	137 17 0	115 3 0
Receipts from all other sources ... ..	Do. ...	3 6 3	5 1 9
Total Mining Revenue ... ..	...	1,880 10 3	1,417 10 9

TABLE K.

Yield of Gold for Year ended 1901.

District.	Alluvial.	Dolled and Specimens.	Tons crushed.	Return in Ozs.	Total yield.		Average per ton, exclusive of Alluvial and Specimens.	
					1900.	1901.	1900.	1901.
	ozs.	ozs.			ozs.	ozs.	ozs.	ozs.
Marble Bar ... ..	219.53	261.98	1,550.25	4,010.00	12,087.05	4,491.51	2.47	2.59
Nullagine ... ..	831.02	13.54	3,863.86	4,928.25	4,529.80	5,772.81	2.33	1.27
Total ... ..	1,050.55	275.52	5,414.11	8,938.25	16,616.85	10,264.32	2.43	1.65

*Acting Warden's Report on the West Pilbarra Goldfield for the Year 1901.*

*To the Under Secretary for Mines, Perth.*

SIR,

In handing you the Annual Report of this field, I regret to have to say that, during the period under review, the returns have been anything but encouraging; in fact, all the mines here have been practically shut down the greater part of the time. We had hopes of the "Whim Well" Copper Mine being in full work months ago, but it appears the negotiations for purchase have again become hung up, and now the mine is just going on working the freehold block. The "New Balla Balla" Company's Copper Mine at "Mons Cupri" is also at a standstill. This company has recently spent a large sum of money in building smelters. There now appears to be some doubt as to whether the ore is suitable for smelting, and steps are being taken to ascertain the best process of treatment.

The "Evelyn Copper Mine," at Croydon, is now under exemption. The shaft is at present water-logged, and further outlay in machinery will probably be necessary. It is reported that a suitable treatment has not yet been applied to the ore, which is said to be of a refractory nature.

At Pilbarra and the Nicol the outlook is encouraging. At the former place Messrs. Bull have discovered what they consider to be a valuable reef; the outcrop shows gold freely, and the prospects, from the little work they have done, are so encouraging that they have purchased the "Hong Kong" battery and plant, and expect to be crushing in a few months. There is also a fair quantity of alluvial in the neighbourhood. One or two parties have done well during the past twelve months.

At the Nicol several properties have changed hands, and the purchaser expects to commence extensive development work shortly.

I am also informed that during the last month some fair alluvial prospects have been got, so perhaps the Nicol will make a bit of a stir again.

*The Toweranna Gold Mine.*—These leases have been abandoned, and the plant is now being sold.

On the whole, the mining developments on this goldfield during the year have not been satisfactory; but I cannot help expressing the opinion that if the country around here was thoroughly and systematically prospected, several good payable mines would be discovered. Gold is to be found in numerous places, and in quantities that, were it in other more accessible parts of the State, persons would not hesitate for one moment to put their money in. In the past all the mining that has been done here has been only a little below the surface, and good payable returns have been got, but when the good stone cut out no efforts were made to go down and look for it. No; the mine was at once closed down and leases abandoned.

There is no reason to suppose that further exploration on many properties now abandoned would not prove successful, and I think that the question of encouraging deep sinking, by subsidy or otherwise, should be considered.

I enclose, herewith, comparative statements for year 1900-1901.

I have, etc.,

A. MADDEN,  
Acting Warden.

Roebourne, 17th February, 1902.



TABLE A.

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

	Year 1900.	Year 1901.
Number of Gold Mining Leases applied for ... ..	4	7
Area of Gold Mining Leases applied for, in acres ... ..	60	168
Number of Gold Mining Leases abandoned, surrendered, or forfeited ...	3	15
Number of Gold Mining Leases in force ... ..	13	3
Area of Gold Mining Leases in force, in acres ... ..	161	36
Number of Protection Areas in force ... ..	2	1
Number of Residence Areas in force ... ..	9	8
Number of Business Areas in force ... ..	11	7
Number of Machine Areas in force ... ..	1	1
Number of Garden Areas in force ... ..	Nil	1
Number of Miners' Rights issued during ... ..	56	54
Number of Business Licenses issued during ... ..	11	5

TABLE B.

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

	Year 1900.	Year 1901.
Number of Mineral Leases applied for ... ..	7	8
Area of Mineral Leases applied for, in acres ... ..	158	185
Number of Mineral Leases abandoned, surrendered, or forfeited ...	3	10
Number of Mineral Leases in force ... ..	20	20
Area of Mineral Leases in force, in acres ... ..	551	564
Number of Water Rights in force ... ..	Nil	1
Area of Water Rights in force, in acres ... ..	Nil	5
Number of Lode Claims in force ... ..	Nil	1
Number of Protection Areas in force ... ..	1	Nil
Number of Residence Areas in force ... ..	6	8
Number of Business Areas in force ... ..	4	5
Number of Garden Areas in force ... ..	1	1
Number of Mining Licenses issued during ... ..	32	24
Number of Business Licenses issued during ... ..	4	5

TABLE G.

*Mining Revenue, 1900-1901.*

	Goldfield or Mining District.	Year 1900.	Year 1901.
Lease Rental under Goldfields Act ... ..	West Pilbarra	£ s. d. 177 4 0	£ s. d. 48 0 0
Other Rentals, Goldfields Act ... ..	Do.	67 15 0	51 5 0
Receipts from all other sources under Goldfields Act	Do.	10 7 0	5 0 0
Lease Rental under Mineral Lands Act ... ..	Do.	128 0 0	127 14 9
Other Rentals, Mineral Lands Act ... ..	Do.	64 15 0	46 12 6
Receipts from all other sources under Mineral Lands Act ... ..	Do.	25 19 6	9 15 0
Survey Fees (Leases, Areas, etc.) ... ..	Do.	61 10 0	73 0 0
Exemption Fees (Leases, Areas, etc.) ... ..	Do.	130 14 0	72 16 0
Receipts from all other sources ... ..	Do.	0 16 0	1 16 6
Total Mining Revenue ... ..		667 0 6	435 19 9

TABLE K.

*Yield of Gold for Year ended 1901.*

Goldfield.	Alluvial.	Dolled and Specimens.	Tons crushed.	Return in Ozs.	Total yield.		Average per ton, exclusive of Alluvial and Specimens.	
					1900.	1901.	1900.	1901.
West Pilbarra ... ..	ozs. 136'34	ozs. '45	48'00	94'50	ozs. 953'65	ozs. 231'29	ozs. '87	ozs. 1'97

*Acting Warden's Report on the Ashburton Goldfield for the Year 1901.**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 1901.

## GOLD.

Having in my previous Reports stated the distances and situation of the various alluvial working centres, I will now deal with them conjointly. With the exception of a few new "patches" found at the "Soldiers' Secret," which caused a little local excitement, very little progress has been made towards opening up other favourable localities. Proctor and Hearn's party—very energetic prospectors—outside of finding a few small alluvial deposits, were unfortunately unsuccessful in their endeavours to find anything of importance.

The numerous old alluvial workings are providing from "tucker" to wages to the fossicker. The diggers on this field are placed at a great disadvantage in having to carry water long distances in pursuit of their calling; and, especially during the summer months, this is a very trying ordeal. The sinking of a well at a spot about six miles East of the Government well, at the "Secret," would facilitate matters considerably, and would be the means of inducing prospectors to open up the very favourable belt of auriferous country between the "Secret" and the "Top Camp." Numerous reefs and leaders outcrop in various parts of the field. Some of these have been worked, but owing to the absence of crushing machinery, and the stone not being of sufficient grade to cart to Onslow, a distance of over 200 miles, and thence forwarded to some place for treatment, they were abandoned. Owing to the above conditions, prospectors and diggers are precluded from working reefs and leaders that do not dolly wages.

## MINERAL.

It affords me much pleasure to report the discovery of mineral lodes by Fitzgerald's party and Mr. T. H. Smith, at Uaroo, in the Lyndon division. Uaroo is distant about 84 miles from the port of Onslow, and it is here that Fitzgerald's party found the silver-lead mine known as "The Rainbow." This mine has been systematically developed by the Fremantle Smelting Works, and looks very well indeed. The lode is an argentiferous lead one; its strike is North and South, and outcrops on the surface for some distance, and has a slight underlay to the East. A tunnel has been put through the hill on the course of the ore body, exposing large quantities of sulphide and carbonate ore. The ore body was also struck in a shaft sunk 50 feet on the hanging wall side of the lode; the lode was then driven on to the South, a distance of 40 feet. The ore obtained in this drive is of good quality; it averages over 3 feet wide, and there is about 300 tons bagged ready to cart for shipment. Samples I obtained on the surface and forwarded the Department for assay gave the following return:—Silver, 29.11; lead, 69.02; copper, 29.88; gold, 19 grains.

The "Comet" group of leases are developing satisfactorily.

The copper lodes discovered by Mr. T. H. Smith are situated about four miles North of the "Rainbow" Mine. The copper obtained from the leases applied for in the vicinity is of a high percentage and easily treated. Very little development work has been done to prove them, but, from surface prospects, they are very favourable. Several tons of good copper ore from the "Sunset" Lease are now on the way to the Wallaroo Smelting Works, S.A., for treatment, and is expected to give a high yield.

The leases applied for in the Cane River Division—Red Hill and Mt. Stuart—are developing favourably, and the owners are very sanguine of their respective properties. Copper ore of good quality, and easy to treat, is now being raised in this division, to be forwarded for treatment.

Mr. S. Göczel, who was engaged to furnish a geological report to the department on the Ashburton District, states:—"As there is a great likelihood that discoveries and developments of ore deposits within the Ashburton District will necessitate a large supply of fuel, I may just as well mention that the best solution of this problem would lie in the finding of coal in the vicinity. If my memory serves me rightly, there exists palæontological proof that extensive strata-complexes along the North-West coast are of carboniferous age; if so, a closer geological examination, supplemented by trial boring, may possibly effect the discovery of productive coal measures."

The present season is a very favourable one for prospectors, there being plenty of feed and water throughout the goldfield, and I fully expect to hear of new finds being made. There is no doubt this goldfield offers good inducement to well-equipped prospecting parties, as the various belts of auriferous country have mostly been scamped over, and it is my opinion the recent mineral finds in the Uaroo district is only the forerunner to greater discoveries being made in other parts of the goldfield.

I may mention that the present fluctuations in the price of lead and copper, the distance and cost of cartage to the sea coast, the high cost of living, and the unfavourable seasons are obstacles that greatly retard the progress and advancement of this goldfield.

I have, etc.,

A. PHELPS,

Acting Warden, Ashburton Goldfields.

Uaroo, 26th February, 1902.

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

	Year 1900.	Year 1901.
Number of Water Rights in force ... ..	3	...
Area of Water Rights in force, in acres ... ..	3	...
Number of Quartz Claims in force ... ..	5	...
Number of Business Areas in force ... ..	1	...
Number of Miners' Rights issued during ... ..	20	30
Number of Business Licenses issued during ... ..	5	3

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

	Year 1900.	Year 1901.
Number of Mineral Leases applied for ... ..	3	51
Area of Mineral Leases applied for, in acres ... ..	110	2,119
Number of Mineral Leases abandoned, surrendered, or forfeited ... ..	4	11
Number of Mineral Leases in force ... ..	...	2
Area of Mineral Leases in force, in acres ... ..	...	80
Number of Protection Areas in force ... ..	2	2
Number of Mining Licenses issued during ... ..	6	23

TABLE G.  
*Mining Revenue, 1900-1901.*

	Goldfield or Mining District.	Year 1900.	Year 1901.
Lease Rental under Goldfields Act ... ..	Ashburton ...	£ s. d.	£ s. d.
Other Rentals, Goldfields Act ... ..	Do. ...	26 0 0	27 0 0
Receipts from all other sources under Goldfields Act ... ..	Do. ...	0 2 6	...
Lease Rental under Mineral Lands Act ... ..	Do. ...	...	56 13 9
Other Rentals, Mineral Lands Act ... ..	Do. ...	7 0 0	22 5 0
Receipts from all other sources under Mineral Lands Act ... ..	Do. ...	...	6 5 0
Survey Fees (Leases, Areas, etc.) ... ..	Do. ...	...	192 10 0
Exemption Fees (Leases, Areas, etc.) ... ..	Do. ...	...	1 1 0
Receipts from all other sources ... ..	Do. ...	1 1 0	1 4 6
<b>Total Mining Revenue</b> ... ..	...	<b>34 3 6</b>	<b>306 19 3</b>

TABLE K.  
*Yield of Gold for Year ended 1901.*

Goldfield.	Alluvial.	Dollied and Specimens.	Tons crushed.	Return in Ounces.	Total Yield.		Average per ton, exclusive of Alluvial and Specimens.	
					1900.	1901.	1900.	1901.
Ashburton ... ..	ozs. 992'00	...	...	...	ozs. 1,704'00	ozs. 992'00	...	...

*Warden's Report on the Peak Hill Goldfield for the year 1901.**The Under Secretary for Mines, Perth.*

SIR,

I have the honour to forward, for the information of the Hon. the Minister, my Report on the Peak Hill Goldfield for the year just passed.

During the greater portion of 1901 mining matters did not progress as rapidly as I had hoped, and as a consequence the Government battery at Ravelstone has been idle. Some few of the mines, however, have lately resumed work, and there is now, I believe, enough stone available to justify the Department in again starting the battery. I have reason to believe that the crushings will give a fair average return.

I am sorry to say that, owing to a dispute among the shareholders and impending litigation for a sale, one of our best mines has been closed down for some time, and is likely to be for some months yet. This is the more to be regretted, as I am confident that regular crushings from it would largely add to our gold production.

I recently saw some stone from a winze at the 126ft. level in the "Jubilee" which should justify the shareholders in vigorously working their mine. It is intended, I believe, to put through 70 or 80 tons, when the battery starts again. A good property is being opened up ten miles S.E. of the Peak, which is locally known as the "Pinnacles." The owners are putting through 25 or 30 tons, and, judging from previous small crushings from this mine, should get a good return. At Wilgeena, about four miles East of the "Pinnacles," operations have ceased, as the water supply has dried up, and they have been obliged to obtain protection. All but one of the leases at this centre were held by poor men, and not being rich surface shows, they have been unable to carry on work. I have been informed that the country is promising, but, of course, requires capital for its development.

I can only reiterate what I said in my last report—that there is ample scope for the investment of capital on this field, but the long distance from the coast and heavy cartage rates militate against development. Further, being so far away from the railway terminus, with a three days' coach journey, goes a long way towards preventing the visits of those who represent the all-potent factor in far-out fields, which are not rich on the surface, viz., capital. However, this will cure itself in time. I hope that by the middle of the year the railway line will be open to Nannine, thus reducing the distance by 50 miles of the worst part of the road, thereby reducing freight and facilitating passenger traffic.

On "The Patch," as the property of the Peak Hill Goldfields, Limited, is called, a large amount of development work has been done during the year. The manager, Mr. A. M. Nicholas, started the open-cut system; this is now down about 40ft. to 45ft. deep, and, I have reason to believe, has been successful. There are poppet-legs at the main shaft 70ft. high, a first-class winding plant, rock breakers, ore bins, and everything complete and working well. The battery, with 40 head of stamps, is on the other side of the town, and is connected with the ore bins at main shaft by a light line of railway three-quarters of a mile long. There is also a complete cyanide plant, and a filter press plant is just on completion. I think it is safe to say that there are few better plants on the goldfields. The manager anticipates a considerably increased production of gold in the near future, when everything is in working order. The company has done good work in the last year, and deserve success.

Some three or four months ago, the Water Supply Department, by arrangement with the Mines Department, took over the Government Battery well for the purpose of supplying the public with water, owing to a shortage in the Government well near the town. This arrangement, I believe, gives satisfaction to the public. So far as I know, there is an ample supply of good fresh water in this well. The wells generally through the district are in good order, with a fair supply of water.

The total rainfall for 12 months was 7.74 inches, but the surface waters are drying up fast now. Maximum temperature, 110 points.

During the year 1901 Peak Hill Town Lots to the number of seven were sold, realising £108.

The health of the people has been good throughout the year, there being no epidemic disease.

I estimate the population at 600 persons, the majority of these, of course, being at Peak Hill and its immediate neighbourhood.

The application of the amended Goldfields Act (enabling Miners' Homestead Leases to be taken up) to this field, has been productive of fair results, and will, I think, be more largely availed of in the future.

The total gold production, as reported to the Department was, for the year, 20,255.47ozs., which shows a decrease of 6,316.16ozs. Though this is to be regretted, I feel sure that in my next report I shall be able to record an improvement in this respect.

As you are aware, it is impossible to accurately estimate the amount of alluvial gold obtained for the year, but the Bank of Australasia informs me that they purchased approximately 174ozs. I am inclined to think that more than double that amount was obtained outside, chiefly at the "Horseshoe."

I regret that I have nothing very satisfactory to say about mining matters at the "Shoe." Owing to the lengthened periods of exemption obtained by the "Horseshoe" Goldfields, Limited, the population there has dwindled to a few, and business is at a standstill. A small amount of work has been done by the company during the exemption, with, I have reason to believe, satisfactory results; and I trust that

after the expiration of the general exemption some *bonâ fide* effort will be made to work the seven leases now included in the exemption. The company originally held 723 acres, with a working capital only sufficient for a tenth of the area, but they have practically abandoned all but seven leases. There is, therefore, now some chance of their money being spent to advantage.

I am informed that there has been a considerable amount of postal and telegraphic business passing through the post office this year, the Savings Bank and money order business being large.

In dealing with the granting of Residence Areas in proximity to the town, I have taken care that the pegging was such as would fit in with any survey of town extension later on.

I desire to conclude my report with an expression of my continued confidence in the future of the field, which, with better means of communication, will, I am sure, repay the attention of prospectors and capitalists.

I have, etc.,

CHAS. U. BAGOT,

Warden.

Peak Hill, 31st December, 1901.

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

	Year 1900.	Year 1901.
Number of Gold Mining Leases in force ... ..	120	98
Area of Gold Mining Leases in force, in acres ... ..	1,744	1,334
Number of Water Rights in force ... ..	6	7
Area of Water Rights in force, in acres ... ..	138	146
Number of Quartz Claims in force... ..	2	2
Number of Alluvial Claims in force ... ..	2	2
Number of Protection Areas in force ... ..	3	3
Number of Residence Areas in force ... ..	38	52
Number of Business Areas in force ... ..	19	17
Number of Machine Areas in force ... ..	1	2
Number of Tailings Areas in force ... ..	1	1
Number of Garden Areas in force ... ..	5	7
Number of Miners' Rights issued during... ..	165	102
Number of Consolidated Miners' Rights issued during ... ..	1	1
Number of Business Licenses issued during ... ..	18	8
Number of Miners' Homestead Leases in force ... ..	...	7
Area of Miners' Homestead Leases in force, in acres ... ..	...	1,710

TABLE G.  
*Mining Revenue, 1900-1901.*

	Goldfield or Mining District.	Year 1900.		Year 1901.	
		£	s. d.	£	s. d.
Lease Rental under Goldfields Act ... ..	Peak Hill	1,880	4 0	1,586	0 0
Other Rentals, Goldfields Act ... ..	Do.	292	0 0	152	5 0
Receipts from all other sources under Goldfields Act	Do.	116	1 0	44	19 0
Other Rentals, Mineral Lands Act ... ..	Do.	1	0 0	1	15 0
Survey Fees (Leases, Areas, etc.) ... ..	Do.	183	10 0	175	10 0
Examination Fees (Underground Surveyors and Engine-drivers on Goldfields)	Do.	4	15 0	3	15 0
Exemption Fees (Leases, Areas, etc.) ... ..	Do.	608	12 0	255	7 0
Fees under Boiler Inspection Act ... ..	Do.	12	0 0	8	10 0
Receipts from Public Batteries ... ..	Do.	2,071	10 0	300	2 7
Receipts from all other sources ... ..	Do.	1	3 6	3	4 3
<b>Total Mining Revenue</b> ... ..	...	<b>5,170</b>	<b>15 6</b>	<b>2,531</b>	<b>7 10</b>

TABLE K.  
*Yield of Gold for Year ended 1901.*

Goldfield.	Alluvial.	Dollied and Specimens.	Tons crushed.	Return in Ozs.	Total yield.		Average per ton, exclusive of Alluvial and Specimens.	
					1900.	1901.	1900.	1901.
Peak Hill ... ..	...	...	24,025·50	20,255·47	ozs. 26,571·63	ozs. 20,255·47	ozs. 1·63	ozs. ·84



*Warden's Report on the East Murchison Goldfield for the Year 1901.**To the Under Secretary for Mines, Perth.*

Lawlers, 29th January, 1902.

SIR,

I have the honour to forward, herewith, for the information of the Hon. the Minister for Mines, my Report on the East Murchison Goldfield for the year ended December, 1901.

Again I have to report a steady increase in the gold output and general progress of the field for the year under review, the output of gold being 76,236ozs., as against 64,698ozs. for 1900, as shown in table.

The Tables attached hereto, giving statistics for 1900 and 1901, save going into details in Report, and give at a glance the true position of the field, and should prove of interest to those seeking information.

It will be seen from these tables that there is a large increase in the number of Gold Mining Leases applied for during the year, and also an increase in number of stampers at work, and in mining, land, and other revenue, etc. Residence areas in force show a decrease, but this is owing to numbers who had held their areas over twelve months having purchased under Section 30 of Goldfields Act.

There have been no new finds of any importance during the year, and the different alluvial patches seem to be almost worked out, as only a very few men are now working for alluvial.

I would like to see more capital expended searching for deep leads in various places, especially at Darlôt, where good alluvial wash has been found at 60 feet and over, carrying gold, but so far not payable. As it requires capital to prospect at that depth, the ordinary alluvial miner is unable to do so.

The discovery of alluvial in payable quantities would give an immense impetus to mining, and it is proved that deep alluvial exists at Darlôt, but so far very little work has been done.

The twenty head of new stamps mentioned in my last report as being erected on the "East Murchison United," at Lawlers, have been completed and kept going constantly.

The "Donegal" Leases, some four miles away, have been connected by a steam tramline with the battery at the "East Murchison United Mine," where the stone is being crushed. This tramline is also used for bringing firewood, and so saves four miles of carting.

A winding and pumping plant has been erected on the "Donegal," and a new main shaft is being put down to cut the lode at a depth.

Several other leases around Lawlers have been taken over from the prospectors at satisfactory prices, and machinery is being erected on them, which is a satisfactory sign.

Developments in some other leases which are still held by prospectors have been most satisfactory, and I expect will lead to a sale, or to their being worked on a larger scale by the present holders. The battery mentioned in my last report as being erected on the "British King," at Darlôt, was completed at the beginning of the year, and has been kept constantly at work, with satisfactory results. During the year the public battery at Darlôt, erected and owned by Smith & Langford, was purchased by the Government, and the price of crushing reduced, which has proved of great benefit to leaseholders and the public. Since being taken over by the Government, 807 tons of stone have been crushed, yielding 1,564ozs. of gold, which means about £6,000 in circulation in the district.

At Sir Samuel and Kathleen, the Bellevue, Condor, and Yellow Aster batteries have been kept going on good stone. A cyanide plant has been erected at the latter battery. The battery that was erected at New England has been removed on to a lease about 30 miles South-East of Lake Way; several other leases have been taken up here, and if they turn out well this will open up another centre. Some other leases have been taken up and are being worked about 40 miles North-East from New England, and this also will open up a new centre if the developments are satisfactory. There are other prospectors around New England, and I anticipate seeing a battery there again.

At Lake Way things have been quieter than I had expected, but the "Lake Way, 1899, Limited," have now just completed their battery and started crushing.

A large number of leases have been taken up by different people; another battery is erected on the "Lake Violet Consols," where large lode formations have been discovered, and a winding and pumping engine erected on the "Essex." Although this centre has not advanced as I had hoped to have seen it during the past year, I still have the greatest confidence in the locality, and consider everything points to a marked advance during the coming year and a larger increase in the output of gold.

I would again take this opportunity of pointing out the necessity for a public battery in this locality, so that the prospectors may be sure of being able to get their stone crushed, and at a reasonable rate. At present, owing to the high cost of crushing and the expense of carting, but little stone is crushed, and I feel sure that if a public battery were erected a revival of mining would take place.

During the year State schools have been erected and opened at Lawlers and Wiluna, and are well attended. These schools are of immense benefit to parents and children, and will lead to men settling here with their families who otherwise would not do so.

As is usual, the health of the field has been excellent.

The rainfall for the year has not been as much as the previous year, but there has been abundance of feed for stock in all localities, and a large area of country has been taken up in different parts for pastoral purposes.

In conclusion, everything points to a continuing and increasing prosperity, and I anticipate another large increase in the output of gold for the coming year.

I have, etc.,

A. G. CLIFTON,

Warden.

East Murchison, 3rd February, 1902.

TABLE A.

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

	Year 1900.	Year 1901.
Number of Gold Mining Leases applied for ... ..	53	93
Area of Gold Mining Leases applied for, in acres ... ..	699	1,591
Number of Gold Mining Leases abandoned, surrendered, or forfeited ... ..	41	44
Number of Gold Mining Leases refused ... ..	2	1
Number of Gold Mining Leases in force ... ..	147	151
Area of Gold Mining Leases in force, in acres ... ..	2,064	2,133
Number of Water Rights in force ... ..	30	31
Area of Water Rights in force, in acres ... ..	46	64
Number of Quartz Claims in force... ..	22	26
Number of Alluvial Claims in force ... ..	3	3
Number of Protection Areas in force ... ..	110	116
Number of Residence Areas in force ... ..	63	38
Number of Business Areas in force ... ..	21	19
Number of Machine Areas in force ... ..	7	7
Number of Tailings Areas in force... ..	6	6
Number of Garden Areas in force ... ..	18	17
Number of Miners' Rights issued during ... ..	285	274
Number of Business Licenses issued during ... ..	11	12

TABLE B.

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

	Year 1900.	Year 1901.
Number of Mineral Leases applied for ... ..	3	...
Area of Mineral Leases applied for, in acres ... ..	6	...
Number of Mineral Leases abandoned, surrendered, or forfeited ... ..	...	2
Number of Mineral Leases in force ... ..	2	1
Area of Mineral Leases in force, in acres ... ..	4	2
Number of Protection Areas in force ... ..	...	1
Number of Mining Licenses issued during ... ..	...	4
Number of Quarry Licenses issued during ... ..	1	2

TABLE G.

*Mining Revenue, 1900-1901.*

	Goldfields or Mining District.	Year 1900.	Year 1901.
Lease Rental under Goldfields Act ... ..	E. Murchison	£ s. d. 1,873 10 0	£ s. d. 2,554 15 0
Other Rentals, Goldfields Act ... ..	Do	285 5 0	294 3 9
Receipts from all other sources under Goldfields Act ... ..	Do.	156 12 3	204 16 6
Lease Rental under Mineral Lands Act ... ..	Do.	1 5 0	0 11 6
Other Rentals, Mineral Lands Act ... ..	Do.	0 5 0	3 5 0
Receipts from all other sources under Mineral Lands Act ... ..	Do.	...	2 0 0
Survey Fees, Leases, Areas, etc. ... ..	Do.	411 17 6	695 8 6
Examination Fees (Underground Surveyors and Engine-drivers on Goldfields) ... ..	Do.	28 10 0	27 2 6
Exemption Fees (Leases, Areas, etc.) ... ..	Do.	342 13 0	313 12 0
Fees under Boiler Inspection Act ... ..	Do.	29 5 0	10 0 0
Receipts from Public Batteries ... ..	Do.	...	817 15 1
Receipts from all other sources ... ..	Do.	1 6 9	10 4 6
<b>Total Mining Revenue ... ..</b>	<b>...</b>	<b>3,130 9 6</b>	<b>4,933 14 4</b>

TABLE K.

*Yield of Gold for Year ended 1901.*

Goldfield.	Alluvial.	Dollied and Specimens.	Tons crushed.	Return in ozs.	Total yield.		Average per ton, exclusive of Alluvial and Specimens.	
					1900.	1901.	1900.	1901.
East Murchison ... ..	ozs. 203·79	ozs. 447·25	84,618·45	75,585·06	ozs. 64,698·03	ozs. 76,236·10	ozs. 1·11	ozs. ·89

*Warden's Report on the Murchison Goldfield for the Year 1901.**The Under Secretary for Mines, Perth.*

SIR,

I have the honour to hand you, herewith, for the information of the Hon. the Minister for Mines, my Report on the Murchison Goldfield for the year 1901.

It is most gratifying to record the progress made by the field during the year. A glance at the comparative tables attached to this report will show the substantial increases that have occurred in gold production, etc., and also in the amount of business transacted in the office. The gold yield for the year was 146,592ozs., being an increase of 40,870ozs. on the preceding year's output. Of this 144,323ozs. were obtained from 113,213 tons of ore crushed, giving the very satisfactory average of 1·26ozs. per ton.

The amount of mining revenue collected at the local offices was as follows:—Cue, £3,729 1s.; Nannine, £1,936 13s. 9d.; Mt. Magnet, £1,614 3s. 3d.; making a total of £7,279 18s.

The population for 1901 shows an increase over 1900 of 932. (These figures are taken from the police records.)

The success that has attended deep sinking at Day Dawn has induced companies in other portions of the field to explore their mines at greater depth than heretofore, more particularly at Nannine and Star of the East, Magnet, and Lennonville; while at Cue private enterprise is following the same good example.

A new feature in mining on this field has been the introduction of the diamond drill. Several of these machines are now working at and around Day Dawn, but I am unable to report the results from this branch of mining, as it is at present incomplete.

**MACHINERY.**

Much of the machinery lying idle twelve months ago has been sold, the greater part being absorbed by going concerns in this Goldfield.

At Day Dawn there has been a large quantity of new machinery erected, materially increasing the gold yield, and more machinery is now in course of erection there.

**ALLUVIAL MINING.**

is almost entirely neglected now, being practically confined to fossicking on old patches.

**MINERS' HOMESTEAD LEASES.**

A few of these Leases have been applied for since the Act was made to apply to this Goldfield, but, owing to the uncertainty of the rainfall, I do not anticipate any large areas being taken up under the provisions of the Act relating to these holdings.

In conclusion, it is most satisfactory to state that the progress of the field foreshadowed in last year's report has exceeded my most sanguine expectations.

Resolute prospectors continue to show their faith in the District by solid practical work. Many old abandoned leases have been taken up by this class of miner; and, with the aid of public batteries (erected by private enterprise, as well as by the State), are turning many of these holdings to profitable account.

In these developments many of the business people have played a leading part, having joined the prospector in developmental enterprise, and in several instances with satisfactory results.

Foreign capital appears less difficult to obtain for mining ventures, and confidence in the goldfield is being surely re-established.

I look forward to a continuation of the field's prosperity for 1902 already disclosed for the year 1901.

I have, etc.,

A. HICKS,

Warden, Murchison Goldfield.

Cue, 20th March, 1902.

TABLE A.

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

	Year 1900.	Year 1901.
Number of Gold Mining Leases applied for ... ..	178	199
Area of Gold Mining Leases applied for, in acres ... ..	1,955	2,075
Number of Gold Mining Leases abandoned, surrendered, or forfeited ... ..	140	162
Number of Gold Mining Leases refused ... ..	6	...
Number of Gold Mining Leases in force ... ..	338	354
Area of Gold Mining Leases in force, in acres ... ..	3,529	3,630
Number of Water Rights in force ... ..	77	83
Area of Water Rights in force, in acres ... ..	186	203
Number of Quartz Claims in force ... ..	144	154
Number of Alluvial Claims in force ... ..	7	4
Number of Protection Areas in force ... ..	150	254
Number of Residence Areas in force ... ..	143	163
Number of Business Areas in force ... ..	96	71
Number of Machine Areas in force ... ..	8	9
Number of Tailings Areas in force ... ..	13	16
Number of Garden Areas in force ... ..	20	30
Number of Miners' Rights issued during ... ..	808	661
Number of Business Licenses issued during ... ..	47	41

TABLE B.

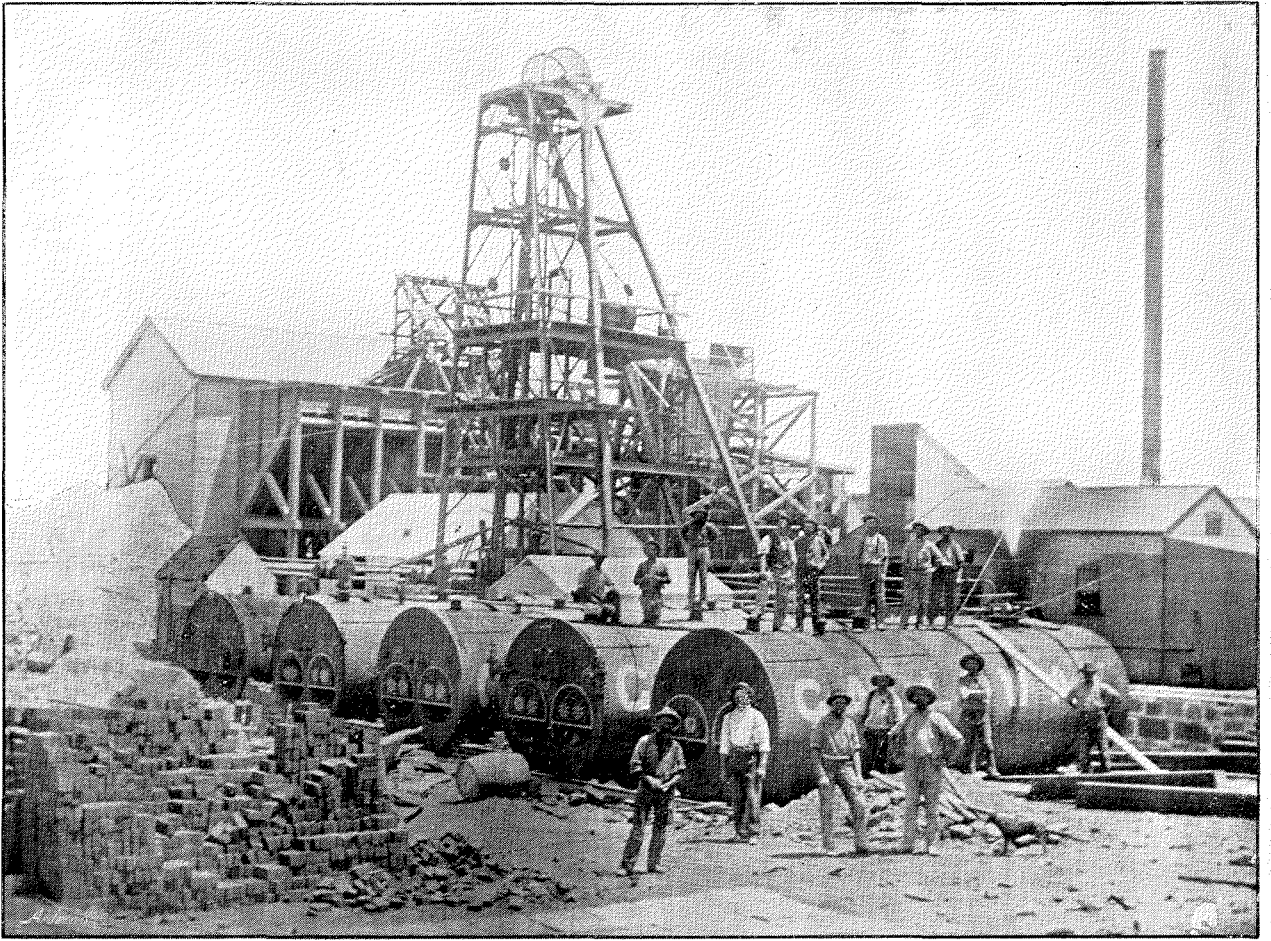
*Applications for Leases, etc., under the Mineral Lands Act.*

	Year 1900.	Year 1901.
Number of Mineral Leases applied for ... ..	3	4
Area of Mineral Leases applied for, in acres ... ..	15	65½
Number of Mineral Leases abandoned, surrendered, or forfeited ... ..	...	2
Number of Mineral Leases in force ... ..	4	5
Area of Mineral Leases in force, in acres ... ..	20	26
Number of Mining Licenses issued during ... ..	13	6
Number of Quarry Licenses issued during ... ..	14	4

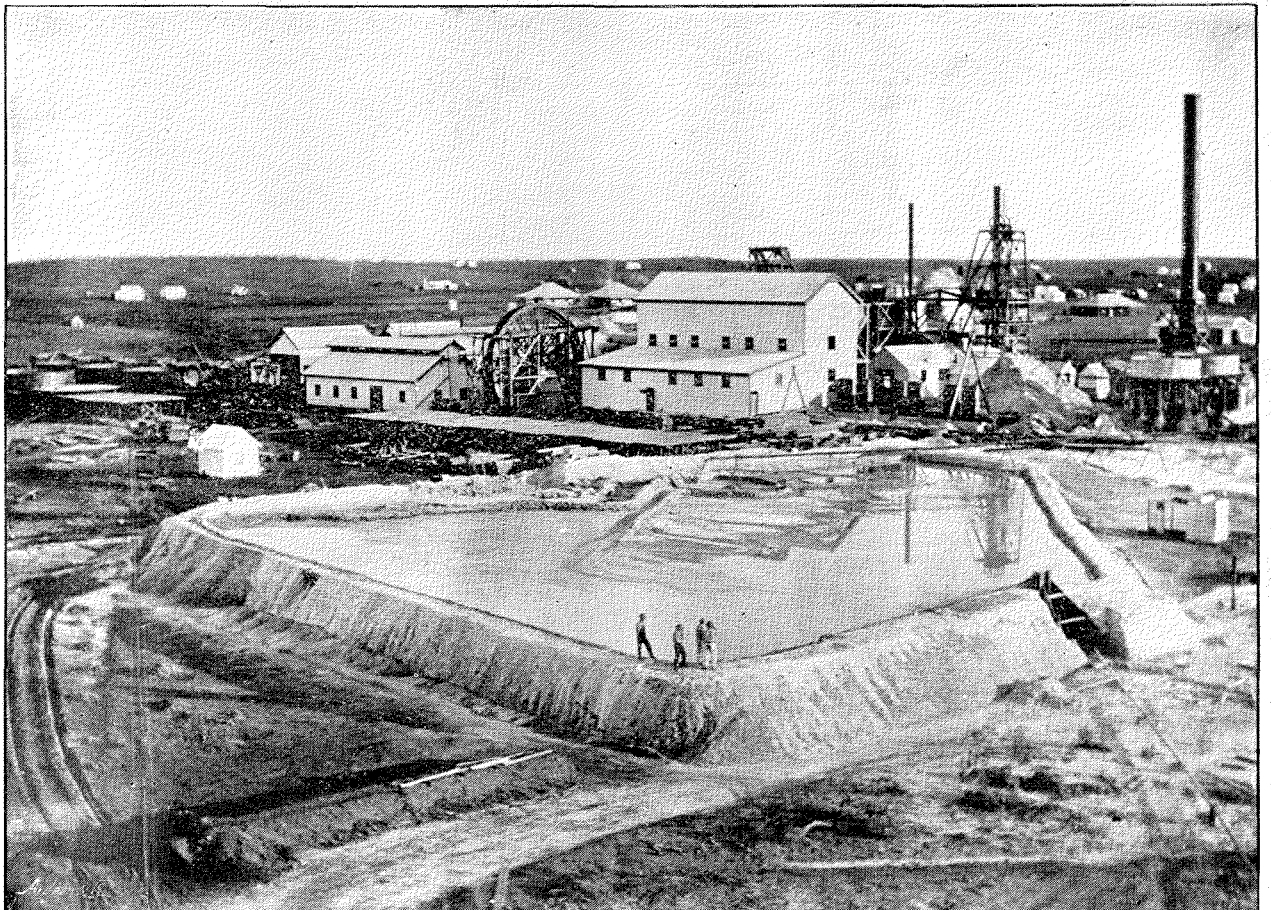
TABLE G.

*Mining Revenue, 1900-1901.*

	Goldfield or Mining District.	Year 1900.	Year 1901.
		£ s. d.	£ s. d.
Lease Rental under Goldfields Act ... ..	Murchison ...	3,736 2 0	3,982 19 0
Other Rentals, Goldfields Act ... ..	Do. ...	822 15 0	798 7 6
Receipts from all other sources under Goldfields Act	Do. ...	447 1 3	488 10 0
Lease Rental under Mineral Lands Act ... ..	Do. ...	2 16 3	22 8 9
Other Rentals, Mineral Lands Act ... ..	Do. ...	11 5 0	3 10 0
Receipts from all other sources under Mineral Lands Act	Do. ...	0 12 0	10 10 6
Survey Fees (Leases, Areas, etc.) ... ..	Do. ...	1,275 8 6	1,224 5 0
Examination Fees (Underground Surveyors and Engine-drivers on Goldfields)	Do. ...	173 7 6	125 12 6
Exemption Fees (Leases, Areas, etc.) ... ..	Do. ...	610 12 0	708 4 6
Fees under Boiler Inspection Act ... ..	Do. ...	180 10 0	162 10 0
Receipts from Public Batteries ... ..	Do. ...	3,343 18 1	7,137 3 2
Receipts from all other sources ... ..	Do. ...	6 17 9	22 3 3
Total Mining Revenue ... ..	...	£10,611 5 4	£14,686 4 2

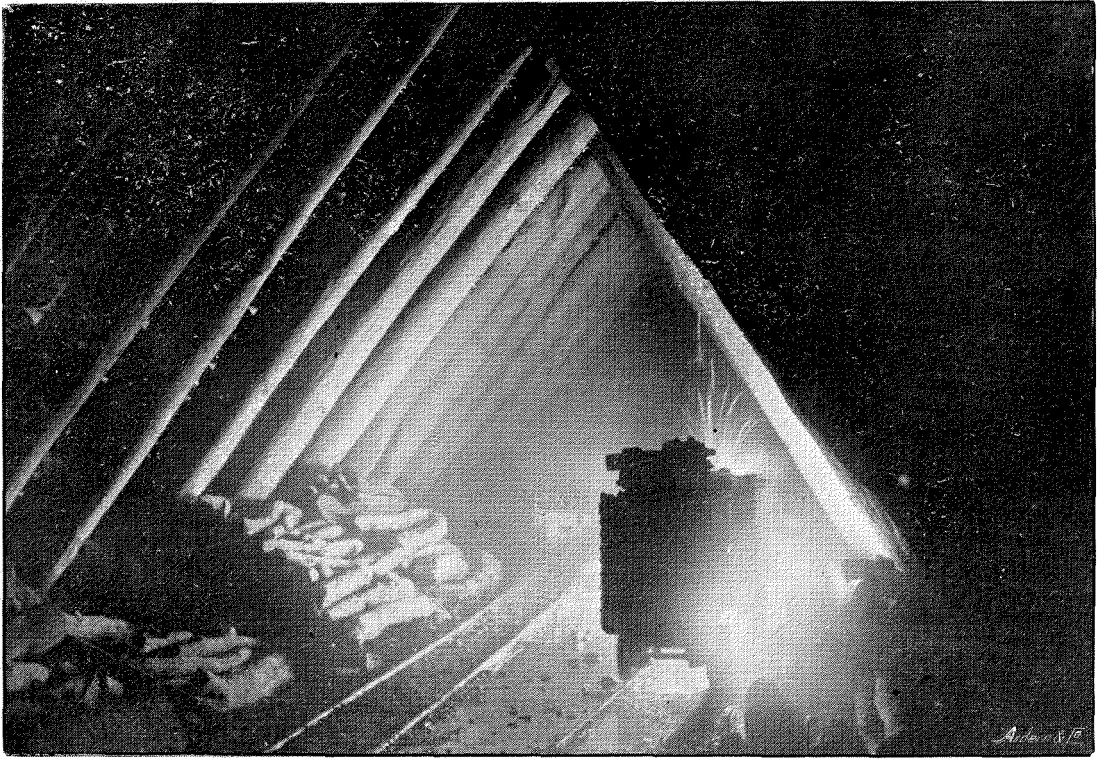


Five 18-Ton Boilers erected in position, Great Fingall Mine, Day Dawn, Murchison Goldfield.

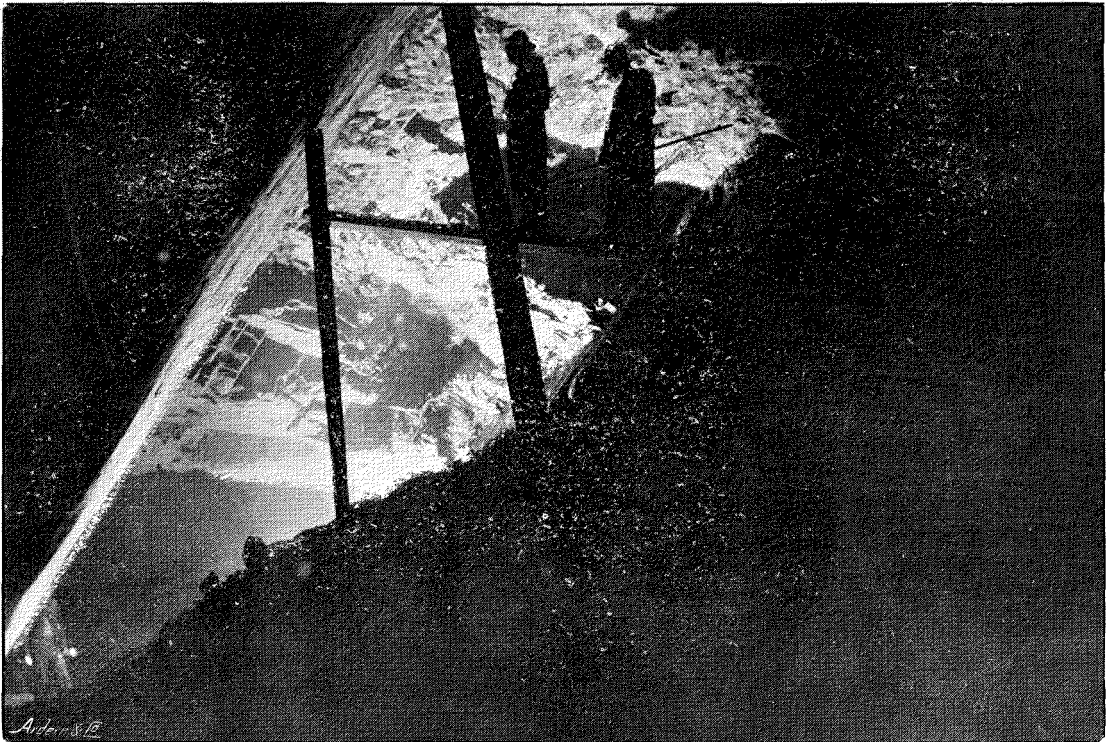


Great Fingall Gold Mine, Day Dawn, Murchison Goldfield.





Timbering No. 7 Level, Great Fingall Consolidated, Ltd., Day Dawn, Murchison Goldfield.



Leading Slope North, No. 7 Level, Great Fingall Consolidated, Ltd., Day Dawn, Murchison Goldfield.

TABLE K.  
Yield of Gold for the Year ended 1901.

District.	Alluvial.	Dollied and Specimens.	Tons crushed.	Return in Ozs.	Total Yield.		Average per ton, exclusive of Alluvial and Specimens.	
					1900.	1901.	1900.	1901.
	ozs.	ozs.			ozs.	ozs.	ozs.	ozs.
Cue ... ..	143·57	11·70	17,493·55	20,614·33	20,148·81	20,769·60	1·13	1·18
Nannine ... ..	950·00	272·75	15,111·00	19,363·57	30,157·27	20,586·32	·90	1·28
Day Dawn ... ..	14·00	200·55	43,151·50	71,552·98	14,646·86	71,767·53	1·79	1·66
Mt. Magnet ... ..	304·50	371·86	37,457·38	32,792·12	40,769·37	33,468·48	·98	·87
Total ... ..	1,412·07	856·86	113,213·43	144,323·00	105,722·31	146,591·93	1·05	1·27

*Acting Warden's Report on the Yalgoo Goldfield for the Year 1901.*

*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 Report on the Yalgoo Goldfield for the year 1901.

The district for some time past has been undeniably dull, but bedrock appears to have been reached, although signs are still wanting of a permanent upward movement.

During the year there have been applied for 19 Gold Mining Leases, containing 184 acres.

There are at present in force 41 Gold Mining Leases, four Water Rights, 15 Quartz Claims, 25 Business Areas, and 76 Residence Areas.

Immediately in and around Yalgoo indications of a revival were apparent during the latter part of the year, and opinions appear to be unanimous that some of the properties near the township are worthy of systematic and vigorous development.

At *Field's Find* and *Gullewa* mining is being carried out in a substantial manner, and steady though small yields of gold have been declared from these centres.

*Yuin, Melville, and Nynghan.*—At these centres stamp batteries have been erected, and steady development work has been carried on during the year.

*Rothsay* is still under a cloud. The principal mine, that at one time employed a good number of men, is still closed down; but recently a cyanide plant has been erected thereon, and while the accumulated sands are being treated, fresh life may be infused into this part of the District.

The gold yield for the year amounts to 9,221·27ozs. from 13,117·30 tons of stone crushed. To this should be added 12·08ozs. of alluvial and 4·90ozs. of dollied gold, or a total of 9,238·25ozs., thus showing a decrease, as compared with the previous year, of 863·61ozs.

I append statistical tables to my report.

I have, etc.,

A. HICKS,

Acting Warden, Yalgoo Goldfield.

Yalgoo, 10th April, 1902.

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

	Year 1900.	Year 1901.
Number of Gold Mining Leases applied for ... ..	24	19
Area of Gold Mining Leases applied for, in acres ... ..	420	184
Number of Gold Mining Leases abandoned, surrendered, or forfeited ... ..	22	25
Number of Gold Mining Leases refused ... ..	...	1
Number of Gold Mining Leases in force ... ..	39	41
Area of Gold Mining Leases in force, in acres ... ..	480	512
Number of Water Rights in force ... ..	4	4
Area of Water Rights in force ... ..	4	4
Number of Quartz Claims in force ... ..	15	15
Number of Protection Areas in force ... ..	21	29
Number of Residence Areas in force ... ..	105	76
Number of Business Areas in force ... ..	28	25
Number of Machine Areas in force ... ..	5	6
Number of Tailings Areas in force ... ..	2	2
Number of Garden Areas in force ... ..	1	1
Number of Miners' Rights issued during ... ..	85	50
Number of Business Licenses issued during ... ..	16	12

TABLE B.

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

	Year 1900.	Year 1901.
Number of Mineral Leases applied for ... ..	1	1
Area of Mineral Leases applied for, in acres ... ..	40	40
Number of Mineral Leases abandoned, surrendered, or forfeited ... ..	1	...
Number of Mining Licenses issued during ... ..	4	1
Number of Quarry Licenses issued during ... ..	2	<i>Nil</i>

TABLE G.

*Mining Revenue, 1900-1901.*

	Goldfield or Mining District.	Year 1900.	Year 1901.
Lease Rental under Goldfields Act ... ..	Yalgoo	£ 557 8 0	£ 542 13 0
Other Rentals, Goldfields Act ... ..	Do.	134 15 0	100 0 0
Receipts from all other sources under Goldfields Act ... ..	Do.	38 2 0	91 11 6
Lease Rental under Mineral Lands Act ... ..	Do.	2 10 0	5 0 0
Other Rentals, Mineral Lands Act ... ..	Do.	2 10 0	0 10 0
Survey Fees (Leases, Areas, etc.) ... ..	Do.	188 5 0	106 0 0
Examination Fees (Underground Surveyors and Engine-drivers on Goldfields) ... ..	Do.	12 10 0	...
Exemption Fees (Leases, Areas, etc.) ... ..	Do.	102 3 0	109 0 0
Fees under Boiler Inspection Act ... ..	Do.	28 0 0	...
Receipts from Public Batteries ... ..	Do.	63 6 9	...
Receipts from all other sources ... ..	Do.	0 10 9	1 5 6
<b>Total Mining Revenue ... ..</b>	<b>...</b>	<b>1,130 0 6</b>	<b>956 0 0</b>

TABLE K.

*Yield of Gold for Year ended 1901.*

Goldfield.	Alluvial.	Dolled and Specimens.	Tons crushed.	Return in ozs.	Total yield.		Average per ton, exclusive of Alluvial and Specimens.	
					1900.	1901.	1900.	1901.
Yalgoo ... ..	ozs. 12'08	ozs. 4'90	13,117'30	9,221'27	ozs. 10,101'86	ozs. 9,238'25	ozs. '62	ozs. '70

*Warden's Report on the Mt. Margaret Goldfield for the year 1901.*

*To the Under Secretary for Mines, Perth.*

SIR,

I have the honour to submit, for the information of the Hon. the Minister, the following Report on the Mount Margaret Goldfield, for the year 1901:—

The progress made in development work and the increase in gold production have been very satisfactory, but I am sorry to have once more to chronicle the fact that very little *bonâ fide* prospecting is being done in new and untried country. This may, in a great measure, be accounted for by the fact that the present condition of the money market offers very little incentive to prospectors to search for, and open up new auriferous deposits. New lodes and reefs are, however, being occasionally discovered, and leases taken up on them are, I am pleased to be able to report, being systematically worked by the holders with a view to testing the value of the ore bodies they contain. This feature applies generally throughout this goldfield, and must be a most pleasing one to those who have the best interests of our gold-mining industry at heart, and who remember the disinclination shown in former days by persons taking up leases to do much development work on them. This order of things has, I am pleased to say, passed away, and leaseholders now thoroughly understand, that before they can hope to induce a

company to purchase a lease, or capitalists to assist them, sufficient development work must be done to enable the value and character of the ore bodies which it contains to be to some extent determined. Mining has happily settled down on a more solid and commercial basis, and is not now made the subject of such wild speculation as it was a few years ago. Such a new condition of things should be very far-reaching and beneficial in its effects, not only to those engaged in *bonâ fide* mining operations, but to the industry itself, and consequently to the State.

Very little alluvial gold has ever been found on this field, and hardly any is now being obtained. Many of the old patches still command the attention of dry-blowers after rain, but these men can scarcely be making "tucker." There cannot now be more than 50 men working alluvial.

The depression consequent on the tightness of the money market, has made itself felt very considerably during the year under review, but, notwithstanding this, the progress for the year has been very great, and the field has maintained its position as the second gold producer in the State.

The disadvantages against which this goldfield has for so long had to contend will be materially lessened upon the advent of the railway, through Malcolm, to Leonora, which is now nearing completion.

The present condition of mining in the Mount Margaret District of this field, the number of mines regularly crushing there, the number of leases being worked, and its output of gold demand every consideration, and would fully justify the construction of a branch line from Malcolm through Mount Morgans to Laverton. Many of the lodes in this district which, though large, are too low grade to pay even working expenses at present, would, under better economic conditions, be worked at a profit. Firewood around the larger mines is becoming exceedingly scarce, and long distances have now to be travelled in search of mining timber.

The number of gold mining leases applied for during the year was 243, which exceeds the number applied for in 1900 by 39, of this number 98 were applied for in the Mount Malcolm District as against 64 the previous year, and 145 in the Mount Margaret District as against 140 the year before.

The number of gold-mining leases in existence at the end of the year was, in the Mount Malcolm District 161 as against 154 in 1900, and in the Mount Margaret District 222 as against 123 the previous year. These make a total for the field of 383 as against 277 at the end of 1900.

In 1897 the gold output from this goldfield was 27,584ozs., in 1898 it was 49,718ozs., in 1899 it was 79,924ozs., in 1900 it increased to 145,689ozs., and in 1901, the year under review, it reached the very handsome total of 190,032ozs. It will thus be seen that this goldfield has during the four years and nine months of its existence produced 492,947ozs., of which 335,721ozs. were produced in the last two years.

The foregoing figures speak for themselves, and are evidence of the continued and consistent progress which this field has made from its inception up to the present time.

There were at the end of the year 484 stampers erected on the field, of which 258 were in the Mount Malcolm District, and 226 in the Mount Margaret District. In the former district, 110 were not working at the end of the year, 60 being practically hung up for good, and 50 temporarily only. In the Mount Margaret District 35 were hung up, but most of them for the time being only.

Apart from the general progress which the field has made in deeper development work and gold production, the year has been really an uneventful one. No new finds have been made, and no new townsites proclaimed. Many of the mines have proved themselves steady gold producers, and others give every promise of becoming so. The want of capital has, in many instances, considerably hampered and retarded the development of mining properties on this goldfield, and money is too often thrown away in useless surface prospecting which might be judiciously expended in sinking and ascertaining the value of the ore bodies at a depth. Those mines which have gone in for deeper development work have proved that the lodes maintain their size and values as they go down.

There is at present only one Government battery on the field. It is situated on the old Johannesburg lease, near Leonora, and was started on 27th January, 1899. During 1901, the year under review, 2,079 tons were crushed, in 80 parcels, for 2,061ozs.

Another Government battery has been approved of for this field, and its erection commenced on a site chosen at a spot, where a suitable supply of water has been obtained, in the immediate vicinity of Laverton township. This battery will enable many properties lying around this centre to be opened out and prospected. Up to the present time there have been no crushing facilities available to prospectors around Laverton. A Government Public Battery is very badly needed at Burtville, and I shall, when dealing with this centre, in my report, refer again to the subject.

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

#### MOUNT MALCOLM DISTRICT.

I have already elsewhere given information as regards the leases and stampers in this district.

The gold output from this district for last year was 97,247.49ozs. from 137,463.50 tons milled, averaging 70ozs. per ton, and in addition there were 16.86ozs. alluvial and 1,131.17ozs. from dollied and specimens, making a total production of 98,395.52ozs. from all sources.

The chief mines in this district are the "Sons of Gwalia," near Leonora, with 60 stamps and a large cyanide plant at work, "Merton's Reward," about 20 miles North of Malcolm, with 30 stamps, and the "Malcolm Mines, Limited," near Murrin Murrin, on which 30 stamps and a cyanide plant are working. The leases to the South of the "Sons of Gwalia" mine, owned by the "Gwalia Consolidated, Limited," have been abandoned, as the diamond drilling done during the year proved the lode far too low-grade to be worked profitably.

The "Anaconda" Copper Mine, near Murrin Murrin, and 16 miles East-South-East from Malcolm by a straight track cut by the Roads Board during the year, is still opening out most satisfactorily. The water supply is fresh and very abundant. This mine has a water jacket blast furnace at work, and in 1900 4,539 tons were smelted for a return of 402.90 tons of metallic copper, valued at £30,718. During 1901, 7,660 tons were smelted for a return of 575.30 tons of metallic copper, valued at £40,738. As the total amount of copper ore treated for the year throughout the State was 10,156.89 tons, the product from which was valued at £75,246, it will be seen that this mine has produced more than half of the State's output.

Prospecting is being done on other copper lodes in the vicinity, but none have proved payable so far. This is the only centre in which any metal but gold is being mined for.

The chief towns in the Mount Malcolm District are Malcolm and Leonora. The Warden resides, and has his head office at the former place. All the Government offices are here also. The number of children on the roll at the Government School on 31st December last was 33, being 16 boys and 17 girls. as against 49 on 31st of December, 1900, showing a decrease of 16 for the year.

This township is at present suffering somewhat from the closing down of the North Star mine, which adjoins the town boundary on the West, but the railway, which is now close to it, will, upon its completion, more than compensate for this, as Malcolm will then become the distributing centre for a very large area, including the whole of the Mount Margaret District. Business and trade generally will consequently improve considerably. The population is about 251, being 147 males and 104 females. This town is a municipality.

Leonora is about 12 miles West from Malcolm, with which it is connected by a Government cleared road. It is the centre of a very important mining district, and gives every promise of becoming a large town. Its population is about 316, 227 males and 89 females. The census taken during the year proved the population given in my report for 1900 to have been over-estimated. The railway, which should reach this town during the early part of the present year, will add considerably to its importance, as it will then, for probably a long time to come, 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. The town was declared a municipality in 1900. The "Sons of Gwalia" mine, the most important one in this district so far, is distant two miles, and between it and the town, the Government during the year, erected a school-house. The children on the roll on 31st December last numbered 87.

Many new and permanent-looking buildings were erected in the town during the year and footpaths formed, and altogether the place has a business-like and substantial appearance about it.

The other townsites in the Mount Malcolm District are Mertondale, Murrin Murrin, and Kurrajong; but they are not yet of much importance. There is an hotel at each, and there is a Post and Telegraph Office at Murrin Murrin.

Business areas have been granted at the Anaconda, and a hotel built there in 1900. A few shops, etc., have been erected on these areas, but the place is not yet of sufficient importance to warrant it being declared a townsite.

Table F gives particulars of the population of this district and its townsites.

#### MOUNT MARGARET DISTRICT.

Particulars concerning the leases and stampers of this district have already been given. The gold output for the year was 90,965.38ozs. from 109,114.50 tons milled, averaging .83ozs. per ton, and in addition there were 587.20ozs. alluvial and 84.05ozs. from doliied and specimens, making a total production of 91,636.63ozs. from all sources. The chief mining centres are Mount Morgans, Laverton, Eristoun, and Burtville (formerly called Mount Weld).

At Mount Morgans the chief mines are the Westralia Mount Morgans, Guest's, and Millionaire.

The Westralia Mount Morgans has a very large lode, and is now opening out on it at the 400 feet level. This mine has had a splendid record, as will be seen on reference to the table of gold returns. Thirty Fraser and Chalmers' stamps, of 1,270lbs. each, are now working on it, and an additional 30, of 1,500lbs. each, have been ordered from the same makers. A large cyanide plant and filter presses are at work. The machinery is the very best, and is all capitally housed.

From present indications this mine has a great future before it.

The Millionaire has a large lode, the continuation of the Westralia Mount Morgans one, which, at the 100 feet level, has been driven on for 1,300 feet. The shaft is down to nearly the 200 feet, where the management intends to open another level, and should the values be the same as they are at the 100 feet a large crushing plant will be at once erected.

The Guest is at present under exemption, for purposes of reconstruction. The Westralia Mount Morgans lode runs through this property, and is large, but low-grade. Want of funds has seriously handicapped the development of this mine. The working capital from the commencement was too small.

These three mines all belong to English Companies.

Besides these, there are many other leases on the same and other lodes which are at present being opened out and prospected, some of which should prove payable by-and-bye.

The chief mines around Laverton township are the Craggiemore, two miles South; Augusta, three miles West; Lancefield, four miles N.N.W.; Ida H., seven miles S.E.; and Euro, seven miles South. Of these the Ida H. commenced crushing during the year with a 10-head battery, and so far the returns have been most satisfactory. Twenty head are working on the Craggiemore, and also a cyanide plant. This mine has a very large low-grade lode, but is very much handicapped for want of working capital. With a large plant and economical management much better results should be obtained.

The Lancefield has proved itself a good property so far, and is an object lesson of what can be done with a low-grade mine possessing a fair sized lode under careful and economical management. Twenty stampers and a cyanide plant are at work on this mine, and it has regularly paid dividends to its owners. The reef is a large one, of dark blue quartz. There is an abundant supply of fresh water from the mine workings.

The Euro mine has 40-head of Fraser and Chalmer's stamps, of 1,050lbs. each, and the crushings during the year have maintained an average of about 14dwts. The full number of stamps have not yet been kept employed owing to insufficiency of water. This mine employes a good many men, and consequently a considerable number of business and residence areas have been taken up in its vicinity, on a very suitable site. There is a very good hotel here, built throughout of burnt bricks, and several other burnt brick buildings have been erected. There is a branch of the National Bank here. It will soon be necessary to have these areas declared a townsite. A half-time school was conducted between Laverton, seven miles distant, and this place during the year, and on 31st December last there were on the roll at the Euro 18 children.

The Augusta has crushed regularly throughout the year with a 10-head battery. The reef is in very hard country, and working costs are necessarily fairly heavy. There are a great number of leases around here still in the hands of the prospectors, and the development of them has been retarded owing to the absence of crushing facilities. The Government battery now being erected will give the owners a chance of proving the value of these leases.

At Burtville a great number of leases are being worked by *bona fide* prospectors, and the holders of about 28 of them are on payable gold. This is, as I said in my previous report, essentially a prospectors' district, for the reefs, though in the great majority of instances small, are rich. A large amount of gold has been returned from this centre for the year; when we take into consideration the disadvantages under which mining is carried on, owing to the difficulty experienced in getting ore crushed. No private batteries are available to the public, and though two public batteries were erected by private enterprise, one of 10-head at the end of 1900, and another of 5-head early in 1901, both are now shut down, the former through want of a water supply, and the latter owing to a disagreement between the owners. The prospectors are therefore once again without any crushing facilities, and the development of these numerous leases is being retarded in consequence, for unless these men can make their leases pay for their own development from crushings, they have not otherwise the means of working them. I can say from my personal knowledge of them that the prospectors around Burtville are a most deserving lot of men. The resources of this centre fully justify me in most strongly recommending the erection of a Government Public Battery at the earliest date possible. I feel confident, apart from the advantages which it would afford the leaseholders, and the boon it would prove generally to the district, that a battery in this locality would be a remunerative work.

A number of business and residence areas have been taken up here in a position centrally situated amongst the leases. Two hotels have been erected on these areas, one, a fine large building of stone. The Union Bank opened a branch here during the year, and there are several shops and other buildings erected, and in course of construction. It will before long be advisable to declare these areas a townsite. Vigorous development work has been done during the year on the "Childe Harold" mine, which lies about 12 miles South from Laverton and about the same distance West-North-West from Burtville. This mine is owned by an English company, and a 20-head battery commenced crushing on it during the year. The reef is a large one, of low-grade value, but is said to be payable.

Two or three business areas were granted near these mines during the year.

Very little has been done during the year at "Erlistoun." Several new leases have been taken up by prospectors, and a good many of the old ones are being developed, but no capital has as yet been introduced into the locality, which is in a great measure due, as I said in my report for 1900, to its distance from railway communication. The country around here is extremely auriferous, and there is every reason to believe that it will prove by-and-bye an important mining centre.

The principal towns in the Mt. Margaret District are Mt. Morgans and Laverton.

Mt. Morgans has grown into a very thriving and prosperous township, and is lighted throughout with the electric light. Branches of the Western Australian and National Bank are established here. There are five hotels, four of which are built of brick. A Local Court is held monthly. There is also a Post and Telegraph Office, with Savings Bank and Money Order Office attached. This town was declared a municipality in 1900.

The population is about 644, being 504 males and 140 females. The census taken during the year proved the population to have been over-estimated for 1900. A Government School was opened here during the year in a hired building, and the number of children on the roll at the end of the year was 34, being 20 boys and 14 girls. During the year 29 boys were admitted and 9 left, and 35 girls were admitted and 21 left. This town has the advantage of being in very close proximity to the mines. The "Westralia Mt. Morgans," "Guest," and "Millionaire" adjoin its Eastern boundary; and should the "Millionaire" turn out "up to expectations," the town would increase considerably in size.

Laverton is situated 25 miles North-East from Mt. Morgans, with which place it is connected by a Government cleared track. It is the most centrally situated town in this district, and in consequence, the Registrar's offices have been established there, and a Warden's and Local Court are held monthly.

A branch of the Bank of Australasia was opened in this township during the year. The Western Australian Bank has had a branch there for some time. The population is about 250, being 170 males and 80 females.

A half-time Government School, in conjunction with Euro, seven miles distant, was opened during the year, and the children on the roll at the end of the year numbered 22.



Laverton is splendidly situated in the centre of a number of mines, which are crushing and employing labour, and is a thriving and busy township. The site on which it stands is a very clean and healthy one. It commands the trade of the district for several miles around.

A considerable amount of country is being held on this field under pastoral lease, but, excepting in a few isolated instances, very little use is being made of it.

Sturt Meadows Station, some 35 miles to the North-West of Malcolm, is a notable exception. This property is owned by Messrs. Manuel and Phillips, and is used as a depôt for fattening and resting stock purchased in the North-West, and from which to distribute them throughout these fields. The run is a good one, and water is obtained in abundance at shallow depths.

The season of 1901, though not nearly as good as the one of 1900, was a fair one.

The meat supply is particularly good, and both beef and mutton can be obtained in every centre on the field at prices ranging from 8d. to 1s. 3d. per lb. Very little tinned meats are now used, excepting in places which the butchers cannot reach, and which are too small to support one of their own.

There are many vegetable gardens in existence, and fresh vegetables are obtainable nearly all the year round, but the prices asked are too high.

The well water, as a rule, is fresh, and windmills have come into general use in all the towns, and at many of the gardens.

The attached tables give some valuable and interesting information concerning the field.

As I said in my last report, so I repeat now, I have every confidence in the future of this goldfield, and look forward to being able at the end of the present year to give you a satisfactory account of another year of progress and advancement.

I have, etc.,

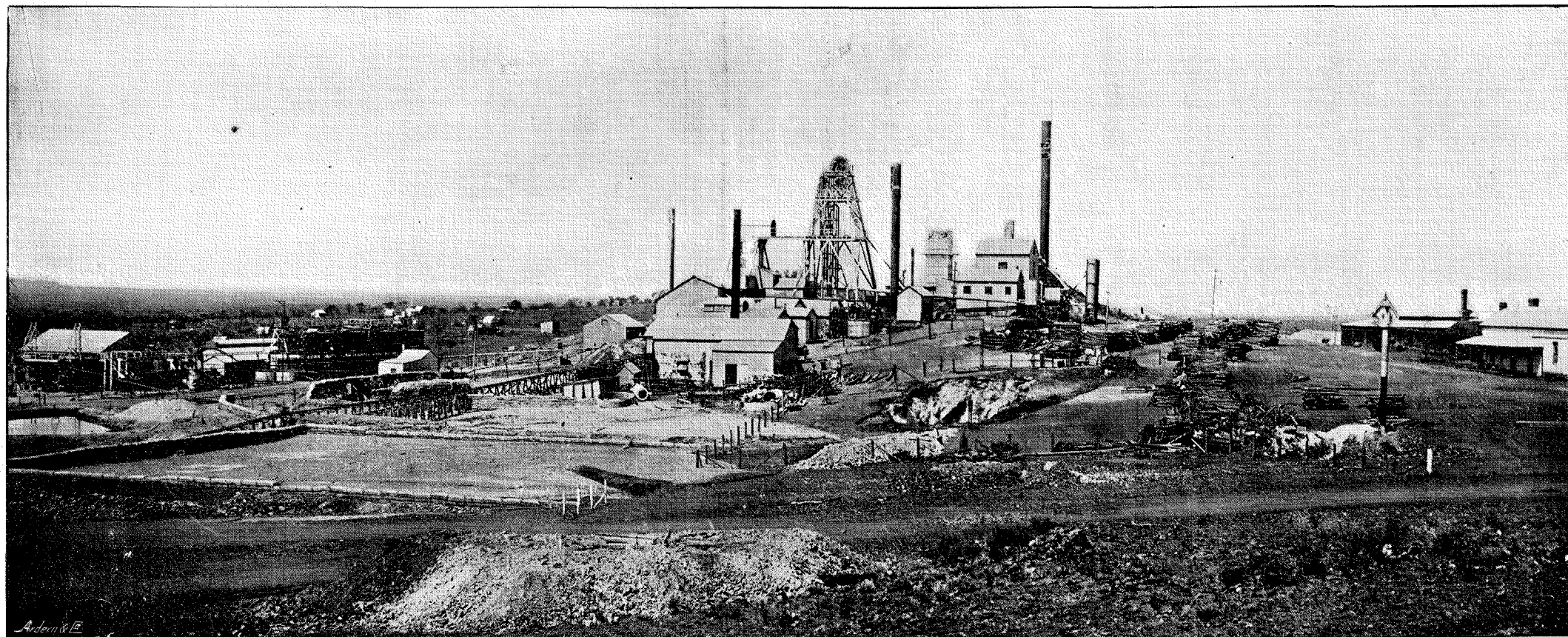
A. E. BURT,

Warden, Mt. Margaret Goldfield.

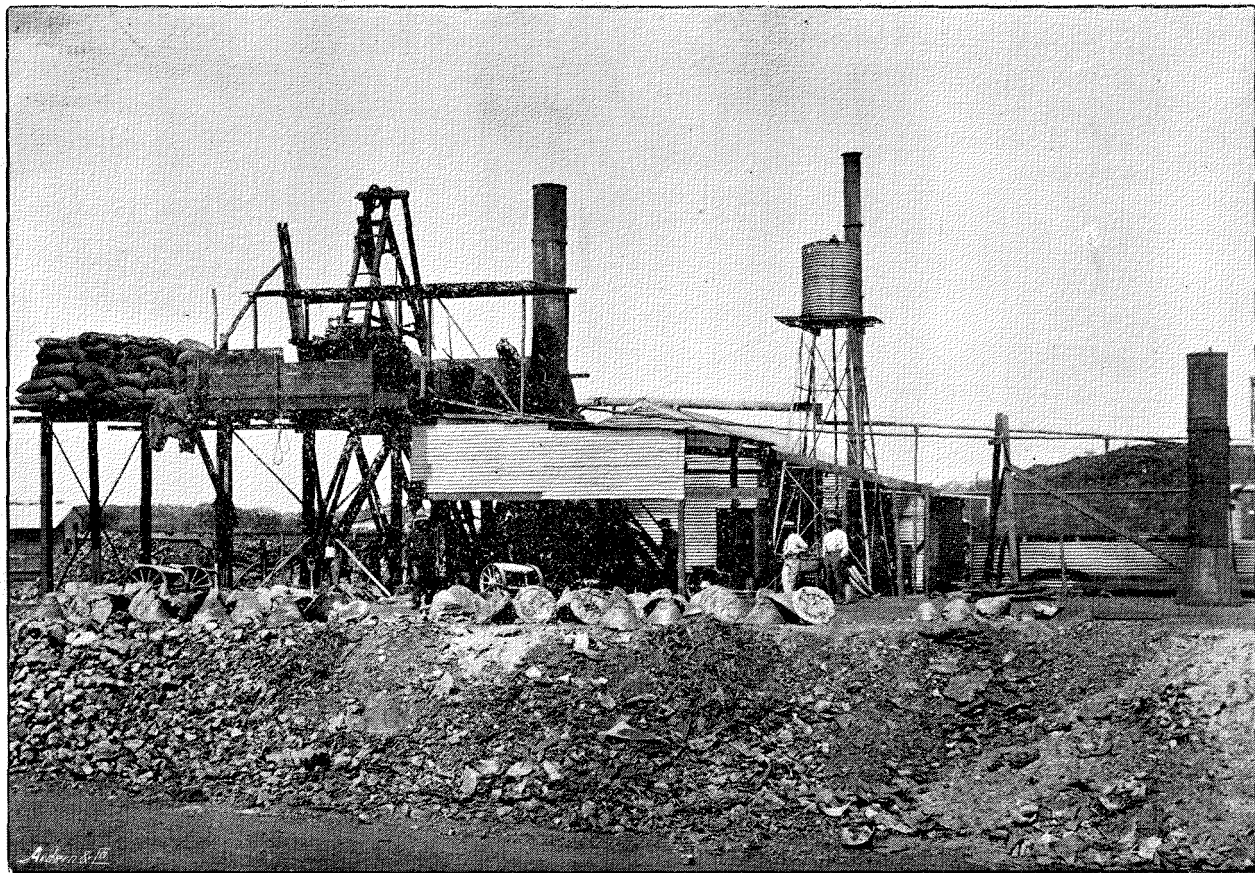
Mt. Morgans, April 26th, 1902.

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

	Year 1900.	Year 1901.
<b>MOUNT MALCOLM DISTRICT.</b>		
Number of Gold Mining Leases applied for	64	98
Area of Gold Mining Leases applied for, in acres	970	1,637
Number of Gold Mining Leases abandoned, surrendered, or forfeited	115	85
Number of Gold Mining Leases refused	1	...
Number of Gold Mining Leases in force	151	161
Area of Gold Mining Leases in force, in acres	2,990	2,939
Number of Water Rights in force	57	66
Area of Water Rights in force, in acres	780½	161
Number of Quartz Claims in force	50	65
Number of Alluvial Claims in force	2	2
Number of Protection Areas in force	41	49
Number of Residence Areas in force	29	27
Number of Business Areas in force	36	33
Number of Machine Areas in force	4	4
Number of Tailings Areas in force	2	3
Number of Garden Areas in force	18	17
Number of Reward Claims in force	1	1
Number of Miners' Rights issued during	399	293
Number of Business Licenses issued during	39	43
<b>MOUNT MARGARET DISTRICT.</b>		
Number of Gold Mining Leases applied for	140	145
Area of Gold Mining Leases applied for, in acres	2,030	2,220
Number of Gold Mining Leases abandoned, surrendered, or forfeited	100	98
Number of Gold Mining Leases refused	4	...
Number of Gold Mining Leases in force	123	222
Area of Gold Mining Leases in force, in acres	2,510	3,970
Number of Water Rights in force	34	46
Area of Water Rights in force, in acres	155½	210½
Number of Quartz Claims in force	3	3
Number of Alluvial Claims in force	...	1
Number of Protection Areas in force	13	39
Number of Residence Areas in force	77	77
Number of Business Areas in force	102	87
Number of Machine Areas in force	6	7
Number of Tailings Areas in force	1	2
Number of Garden Areas in force	1	10
Number of Miners' Rights issued during	393	576
Number of Business Licenses issued during	63	65



Westralia Mount Morgans, Mount Margaret Goldfield.



Anaconda Copper Mine, Murrin Murrin, Mount Margaret Goldfield.

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

	Year 1900.	Year 1901.
MOUNT MALCOLM DISTRICT.		
Number of Mineral Leases applied for ... ..	24	7
Area of Mineral Leases applied for, in acres ... ..	517	136
Number of Mineral Leases abandoned, surrendered, or forfeited ... ..	5	7
Number of Mineral Leases refused ... ..	1	...
Number of Mineral Leases in force ... ..	18	21
Area of Mineral Leases in force, in acres ... ..	374	452
Number of Protection Areas in force ... ..	1	1
Number of Mining Licenses issued during ... ..	48	11
Number of Quarry Licenses issued during ... ..	4	...
MOUNT MARGARET DISTRICT.		
Number of Mineral Leases applied for ... ..	4	5
Area of Mineral Leases applied for, in acres ... ..	84	30
Number of Mineral Leases abandoned, surrendered, or forfeited ... ..	1	...
Number of Mineral Leases refused ... ..	1	0
Number of Mineral Leases in force ... ..	3	1
Area of Mineral Leases in force, in acres ... ..	26	3
Number of Protection Areas in force ... ..	...	3
Number of Mining Licenses issued during ... ..	4	7

TABLE G.  
Mining Revenue 1900-1901.

	Goldfield or Mining District.	Year 1900.	Year 1901.
		£ s. d.	£ s. d.
Lease Rental under Goldfields Act ... ..	Mt. Malcolm	3,292 17 0	3,431 7 0
Other Rentals Goldfields Act ... ..	Do.	521 1 3	459 12 6
Receipts from all other sources under Goldfields Act ... ..	Do.	207 0 0	181 5 0
Lease Rental under Mineral Lands Act ... ..	Do.	130 0 3	139 3 6
Other Rentals Mineral Lands Act ... ..	Do.	26 0 0	6 5 0
Receipts from all other sources under Mineral Lands Act ... ..	Do.	17 18 0	11 15 0
Survey Fees (Leases, Areas, etc.) ... ..	Do.	686 0 0	704 10 0
Examination Fees (Underground Surveyors and Engine-drivers on Goldfields) ... ..	Do.	56 15 0	77 2 6
Exemption Fees (Leases, Areas, etc.) ... ..	Do.	283 18 0	317 0 0
Fees under Boiler Inspection Act ... ..	Do.	104 5 0	101 10 0
Receipts from Public Batteries ... ..	Do.	2,232 10 3	1,838 9 5
Receipts from all other sources ... ..	Do.	6 17 6	13 11 9
<b>Total Mining Revenue</b> ... ..		<b>7,565 2 3</b>	<b>7,281 11 8</b>
Lease Rental under Goldfields Act ... ..	Laverton	3,459 18 0	4,677 13 6
Other Rentals Goldfields Act ... ..	Do.	658 5 0	858 3 9
Receipts from all other sources under Goldfields Act ... ..	Do.	307 4 0	287 7 0
Lease Rental under Mineral Lands Act ... ..	Do.	14 7 3	4 17 9
Other Rentals Mineral Lands Act ... ..	Do.	2 2 6	3 10 0
Receipts from all other sources under Mineral Lands Act ... ..	Do.	...	1 0 0
Survey Fees (Leases, Areas, etc.) ... ..	Do.	1,261 12 0	1,039 0 0
Examination Fees (Underground Surveyors and Engine-drivers on Goldfields) ... ..	Do.	...	11 0 0
Exemption Fees (Leases, Areas, etc.) ... ..	Do.	189 18 0	311 8 0
Receipts from all other sources ... ..	Do.	13 5 0	14 6 9
<b>Total Mining Revenue</b> ... ..		<b>5,906 11 9</b>	<b>7,208 6 9</b>

TABLE K.  
Yield of Gold for 1901.

District.	Alluvial.	Dolled and Specimens.	Tons crushed.	Return in Ozs.	Total Yield.		Average per ton, exclusive of Alluvial and Specimens.	
					1900.	1901.	1900.	1901.
Mt. Malcolm ... ..	ozs. 16'86	ozs. 1,131'17	137,463'50	97,247'49	ozs. 93,032'87	ozs. 98,395'52	ozs. 1'12	ozs. '70
Mt. Margaret ... ..	587'20	84'05	109,114'50	90,965'38	52,655'88	91,636'63	1'01	'83
<b>Total</b> ... ..	<b>604'06</b>	<b>1,215'22</b>	<b>246,578'00</b>	<b>188,212'87</b>	<b>145,688'75</b>	<b>190,032'15</b>	<b>1'09</b>	<b>'76</b>

*Warden's Report on the North Coolgardie Goldfield for the Year 1901.*

*To the Under Secretary for Mines, Perth.*

SIR,

I have the honour to submit my Report on the North Coolgardie Goldfield for the year ending 31st of December, 1901, for the information of the Hon. the Minister for Mines.

In this part of my Report I propose to deal only with totals and generalities, leaving the various tables to be found in the Report to show full details as to how they are arrived at.

1. The area of the field is 30,609 square miles, divided into four sub-districts of Menzies, Ularring, Niagara, and Yerilla.

APPLICATIONS FOR GOLD MINING LEASES UNDER GOLDFIELDS ACT.

2. Table (A) gives full particulars of the various holdings applied for and still held.
3. The number of Gold Mining Leases in force has increased by 20, representing 499 acres; Quartz Claims, Tailings and Garden Areas have also increased.
4. The decrease in the number of leases applied for and abandonments is accounted for by the fact of there being fewer new rushes than during 1900. Menzies and Ularring Districts show increases, while Niagara and Yerilla show decreases.

5. The partial exhaustion of the subterranean water supply, owing to the exceptionally dry season, is mainly responsible for the lesser acreage of Water Rights.

6. It is encouraging to observe the substantial increase of leases in force, quartz claims and residence areas showing as it does the steady and regular prosperity of the field generally; and though there are fewer business areas, this is not a sign of decline, as additional townships have been declared, thereby transferring this branch of revenue from the Mines to the Lands Department, as these become town blocks, and are sold as such by the latter Department. I may say that the land sales held have realised good prices, while residential areas, as distinguished from residence areas, have detracted from mining revenue.

APPLICATIONS FOR LEASES UNDER MINERAL LANDS ACT.

7. Table (B.) gives the mineral leases in force other than gold mining leases. These, I am sorry to say, have decreased, many not having come up to expectations, and have, therefore, been abandoned.

DESCRIPTION AND AREA OF MINERAL LEASES IN FORCE ON 31ST DECEMBER, 1901.

8. These have decreased by two, equal to an area of 78 acres, made up of building-stone leases near Menzies, and one copper lease in the Ularring District.

LIST OF ORE-REDUCTION PLANTS AT END OF YEAR 1901.

9. The substantial increase of £34,862 in value of ore-reduction plants erected appears, and may be taken as the most satisfactory indication of the steady progress in gold mining which the field has made during the period under review.

POPULATION.

10. The total population is 5,040 souls, or an increase of 30 as compared with 1900.

MINING REVENUE.

11. Mining continues to steadily prosper, as is instanced by the figures given in this table, the total increase from all sources being £2,482 19s. 9d.

AVERAGE NUMBER OF MINERS EMPLOYED DURING 1901.

12. Another indication of the continued prosperity of the field is the substantial addition of 243 to the number of miners employed.

13. All the sub-districts show considerable increases, while Menzies remains about the same, notwithstanding the railway having passed through and the counter attractions of new finds in the outside districts.

WATER SUPPLY AND RAINFALL.

14. There is little to add to my previous report regarding the depth, quantity, and quality of the water obtained in the various sub-districts. But the rainfall in the Menzies district is 5.13 inches less for this than last year; while in the Niagara district it is 5.56, being an increase of 1.16 inches.

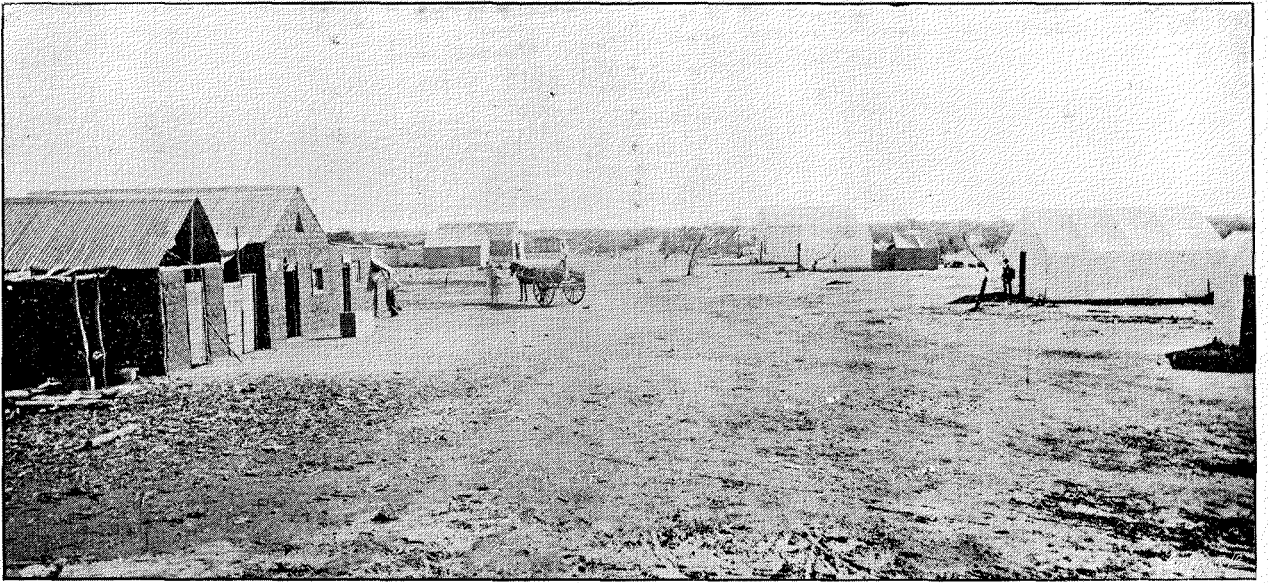
YIELD OF GOLD FOR YEAR ENDING 31ST DECEMBER, 1901.

15. The total yield of gold is 148,305ozs., being an increase of 41,531.03ozs.

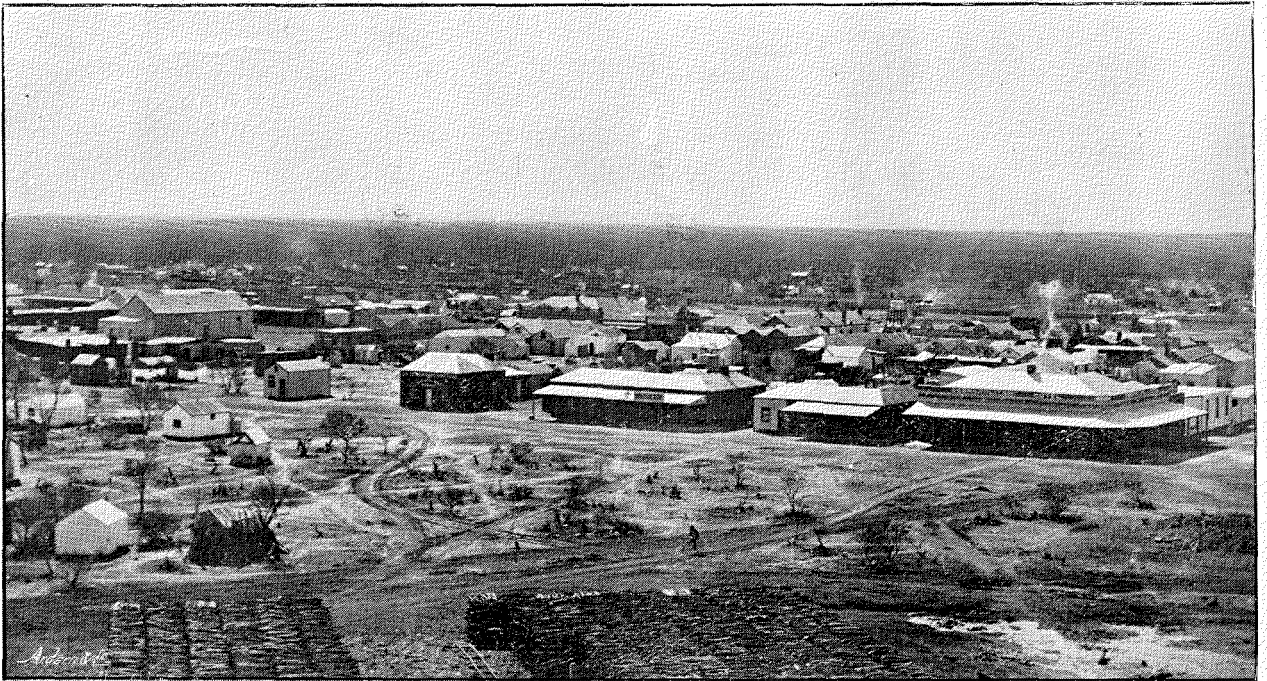
16. It often happens that as the total yield increases, the average per ton decreases; but in this instance it will be noted that the reverse is the case, the average having increased by 20ozs. per ton, the actual figures being 1.16ozs. for 1900 as against 1.36ozs. for this year.

17. The Table shows that every district except Yerilla, which, as I said in my last, is practically deserted, has contributed to this end.





Kookynie, North Coolgardie Goldfield, 1899.

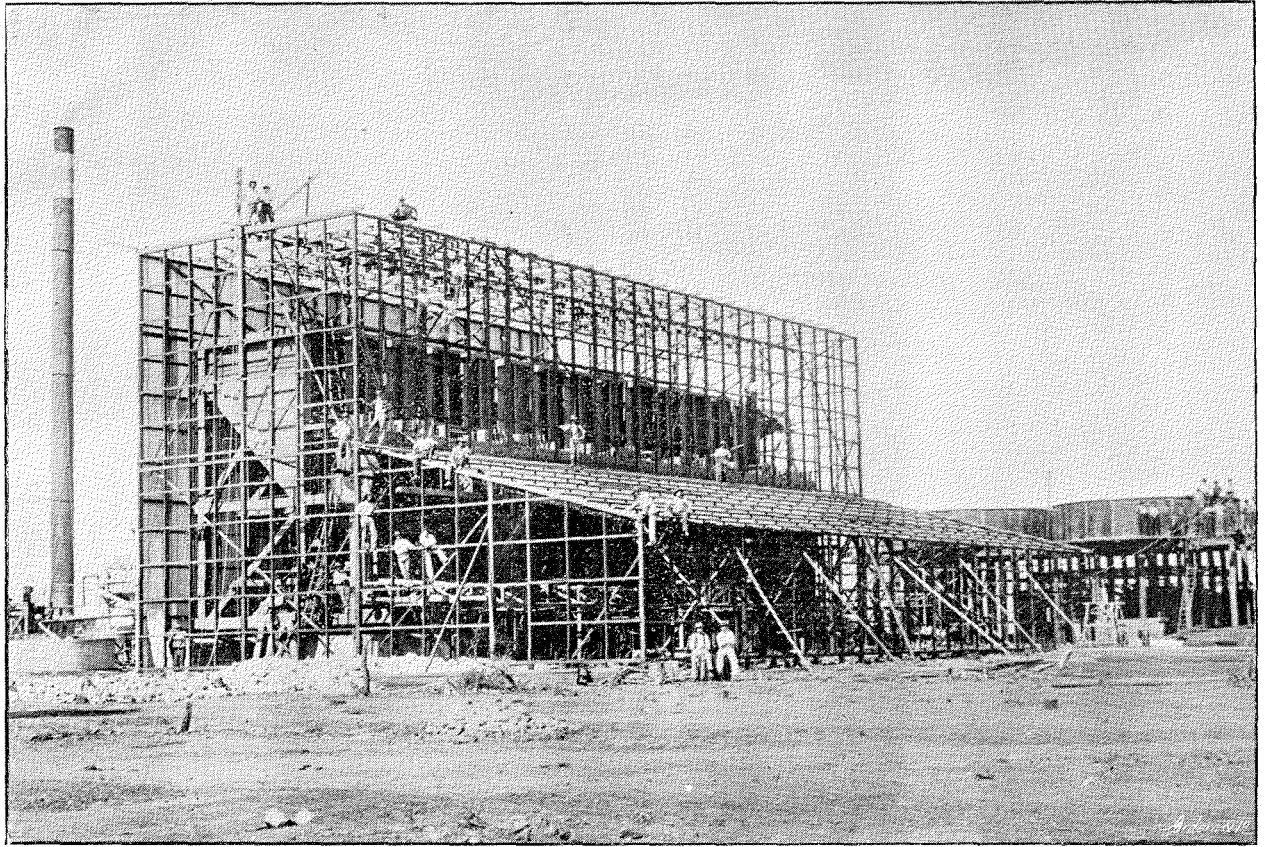


Kookynie, North Coolgardie Goldfield, 1901.



Lady Florence, Mulline, North Coolgardie Goldfield.





The New 50-Head Mill, Cosmopolitan Proprietary, Kookynie, North Coolgardie Goldfield.

## VITAL STATISTICS AND HEALTH OF DISTRICT.

18. The returns disclose the fact that births have increased 3.88 and deaths .14 for this year, while marriages have decreased 1.40 per thousand.

## AREA OF FIELD AND NUMBER OF SUB-DISTRICTS AND TOWNS.

19. In Table 26 will be found details of the sub-districts of this field, which have not been altered since I last reported.

20. With reference to the towns, Menzies is the only one where a decrease of population has occurred, the reason for this being that the railway having passed through, this station ceases to be a terminus, consequently the forwarding agents, teamsters, etc., have removed to Kookynie, and this accounts in a great measure for the increase of population there.

## GENERALLY.

21. This field may be congratulated on having made considerable strides this year, gold mining leases, gold yield, revenue, and men employed having considerably increased; also extra facilities for crushing have been provided, including the erection of a Government battery at Mulwarrie.

22. Business, too, has been good, and notwithstanding the prosperity of other towns such as Kookynie, Mulwarrie, and Davyhurst, Menzies still maintains its premier position.

I have, etc.,

W. LAMB DEN OWEN,

Warden, North Coolgardie.

Menzies, 17th April, 1902.

TABLE A.

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

	Year 1900.	Year 1901.
Number of Gold Mining Leases applied for ... ..	260	233
Area of Gold Mining Leases applied for, in acres ... ..	3,124	2,909½
Number of Gold Mining Leases abandoned, surrendered, or forfeited ... ..	186	210
Number of Gold Mining Leases refused ... ..	2	4
Number of Gold Mining Leases in force ... ..	353	381
Area of Gold Mining Leases in force, in acres ... ..	4,643	5,085
Number of Water Rights in force ... ..	132	123
Area of Water Rights in force, in acres ... ..	3,738	1,231½
Number of Quartz Claims in force ... ..	32	36
Number of Alluvial Claims in force ... ..	2	2
Number of Protection Areas in force ... ..	45	40
Number of Residence Areas in force ... ..	295*	302*
Number of Business Areas in force ... ..	184*	151*
Number of Machine Areas in force ... ..	6	4
Number of Tailings Areas in force ... ..	4	5
Number of Garden Areas in force ... ..	4	11
Number of Miners' Rights issued during ... ..	956	682
Number of Business Licenses issued during ... ..	187	111

\* Kookynie Town Lots not included.

TABLE B.

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

	Year 1900.	Year 1901.
Number of Mineral Leases applied for ... ..	4	2
Area of Mineral Leases applied for, in acres ... ..	230	90
Number of Mineral Leases abandoned, surrendered, or forfeited ... ..	2	5
Number of Mineral Leases in force ... ..	4	2
Area of Mineral Leases in force, in acres ... ..	100	22
Number of Mining Licenses issued during ... ..	6	8
Number of Quarry Licenses issued during ... ..	5	5

TABLE G.  
Mining Revenue, 1900-1901.

	Goldfield or Mining District.	Year 1900.		Year 1901.	
		£	s. d.	£	s. d.
Lease Rental under Goldfields Act ... ..	N. Coolgardie	4,900	11 0	5,502	7 0
Other Rentals, Goldfields Act... ..	Do. ...	1,653	13 6	1,164	6 0
Receipts from all other sources under Goldfields Act	Do. ...	766	13 3	406	19 6
Lease Rental under Mineral Lands Act ... ..	Do. ...	41	6 6	10	10 0
Other Rentals, Mineral Lands Act ... ..	Do. ...	4	5 0	6	0 0
Receipts from all other sources under Mineral Lands Act ... ..	Do. ...	2	1 0	4	12 0
Survey Fees (Leases, Areas, etc.) ... ..	Do. ...	2,080	2 6	1,457	5 0
Examination Fees (Underground Surveyors and Engine-drivers on Goldfields) ... ..	Do. ...	40	12 6	48	0 0
Exemption Fees (Leases, Areas, etc.) ... ..	Do. ...	416	11 0	366	16 0
Fees under Boiler Inspection Act ... ..	Do. ...	230	5 0	187	10 0
Receipts from Public Batteries ... ..	Do. ...	9,935	10 1	13,388	4 7
Receipts from all other sources ... ..	Do. ...	8	16 3	20	17 3
<b>Total Mining Revenue ... ..</b>	...	<b>20,080</b>	<b>7 7</b>	<b>22,563</b>	<b>7 4</b>

TABLE K.  
Yield of Gold for Year ended 1901.

District.	Alluvial.	Dollied and Specimens.	Tons crushed.	Return in ozs.	Total yield.		Average per ton, exclusive of Alluvial and Specimens.	
					1900.	1901.	1900.	1901.
	ozs.	ozs.			ozs.	ozs.	ozs.	ozs.
Menzies ... ..	136·27	113·65	38,388·25	56,647·08	49,773·07	56,897·00	1·29	1·47
Ularring ... ..	...	22·30	17,336·80	29,069·36	20,284·96	29,091·66	1·20	1·68
Niagara ... ..	31·95	164·42	44,025·00	50,009·27	28,064·69	50,205·64	·91	1·13
Yerilla ... ..	113 57	669·25	8,521·60	11,327·88	8,651·25	12,110·70	1·55	1·33
<b>Total ... ..</b>	<b>281·79</b>	<b>969·62</b>	<b>108,271·65</b>	<b>147,053·59</b>	<b>106,773·97</b>	<b>148,305·00</b>	<b>1·16</b>	<b>1·36</b>

*Mining Registrar's Report on the Broad Arrow Goldfield for 1901.*

*To the Under Secretary for Mines, Perth.*

SIR,

I have the honour to submit the following Report on the Broad Arrow Goldfield for the year ended 1901, for the information of the Hon. the Minister for Mines:—

Throughout the year under review, the mining industry was not of a prosperous or satisfactory character, and the gold yield during the year fell from 4,479·87ozs. in January to 1,819·65ozs. in December. This decrease was chiefly owing to the Paddington Consols Mine being compelled to shut down and go into liquidation, owing to the London and Globe complications.

The Hill End Mine (the New Austral Co., Ltd.), the Golden Arrow Mine, and the Half-mile Reef Mines, Ltd., maintained their reputation as gold-producers. In the Golden Arrow Mine, levels have been opened up at 600 and 700 feet. Ten stamps were kept continuously dropping throughout the year, and crushed 7,368 tons, for a yield of 5,195·95 ounces; value, £19,479.

During the year, two new cyanide plants were installed on the Half-mile Reef Mines, Ltd., and the Black Flag Proprietary Co., Ltd.

The Zoroastrian Gold Estates, Ltd., the Black Flag Proprietary Co., Ltd., and the Slug Hill (Pride of the Hill) Gold Mines Co., Ltd., were obliged to apply for and were granted periods of exemption, in order to give them time to raise fresh capital for further development.

Alluvial mining is still being carried on in the old leads, with fair results; but the new find near the racecourse, and on which a reward claim was granted to the prospectors, and which attracted a lot of attention and work, proved a failure, and is now abandoned.

The gold output for 1901 was 33,284·62ozs. from 44,740·13 tons, averaging 74ozs. per ton; alluvial, 1,229·52ozs.; and doliied gold, 161·30ozs.; the grand total being 34,675·44ozs. The machinery on the field for the year is valued at £134,359. The gross output of gold to date is 186,623·36ozs.

Sixteen gold mining leases were applied for; the number of gold mining leases in force at the end of the year being 97, carrying an area of 1,251 acres.

On the copper lode, five and a-half miles West, one mineral lease is in force, but no work of any importance was done.

The average rainfall for the year was 6·62 points.

The educational work in this district for the year was of a most satisfactory character. There are two State schools in the goldfield—viz., Broad Arrow and Paddington—the total number of children attending being 146, with an average attendance of 104.

Paddington was proclaimed a municipality during the year, and its interests are looked after by a Mayor and six councillors.

I will conclude with the hope that the reefs and lodes known to exist on this field will attract more prospectors in the future, and receive more attention from the representatives of British capital.

I have, etc.,

J. W. BROWN,

Mining Registrar.

Broad Arrow, 25th January, 1902.

TABLE A.

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

	Year 1900.	Year 1901.
Number of Gold Mining Leases applied for ... ..	38	16
Area of Gold Mining Leases applied for, in acres ... ..	402	170
Number of Gold Mining Leases abandoned, surrendered, or forfeited ... ..	52	42
Number of Gold Mining Leases refused ... ..	1	1
Number of Gold Mining Leases in force ... ..	113	97
Area of Gold Mining Leases in force, in acres ... ..	1,445	1,251
Number of Water Rights in force ... ..	12	16
Area of Water Rights in force, in acres ... ..	55	100
Number of Quartz Claims in force ... ..	25	9
Do. Alluvial Claims do. ... ..	15	8
Do. Protection Areas do. ... ..	32	6
Do. Residence Areas do. ... ..	2	1
Do. Business Areas do. ... ..	8	15
Do. Machine Areas do. ... ..	1	3
Do. Tailing Areas do. ... ..	2	4
Do. Garden Areas do. ... ..	2	3
Number of Miners' Rights issued during ... ..	435	461
Number of Business Licenses issued during ... ..	2	3

TABLE B.

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

	Year 1900.	Year 1901.
Number of Mineral Leases applied for ... ..	1	1
Area of Mineral Leases applied for, in acres ... ..	20	20
Number of Mineral Leases abandoned, surrendered, or forfeited ... ..	5	1
Number of Mineral Leases in force ... ..	...	1
Area of Mineral Leases in force, in acres ... ..	...	20
Number of Protection Areas in force, in acres ... ..	1	2
Number of Mining Licenses issued during ... ..	4	3
Number of Quarry Licenses issued during ... ..	1	...

TABLE G.  
Mining Revenue, 1900-1901.

	Goldfield or Mining District.	Year 1900.		Year 1901.	
		£	s. d.	£	s. d.
Lease Rental under Goldfields Act ... ..	Broad Arrow	1,685	5 0	1,298	6 0
Other Rentals, Goldfields Act... ..	Do. ...	285	6 3	333	17 6
Receipts from all other sources under Goldfields Act	Do. ...	107	15 0	105	9 6
Lease Rental under Mineral Lands Act ... ..	Do. ...	1	5 0	2	10 0
Other Rentals, Mineral Lands Act ... ..	Do. ...	2	10 0	2	5 0
Receipts from all other sources under Mineral Lands Act ... ..	Do. ...	3	4 0	0	2 6
Survey Fees (Leases, Areas, etc.) ... ..	Do. ...	272	10 0	129	0 0
Examination Fees (Underground Surveyors and Engine-drivers on Goldfields) ... ..	Do. ...	2	10 0	...	
Exemption Fees (Leases, Areas, etc.) ... ..	Do. ...	363	6 0	358	0 0
Fees under Boiler Inspection Act ... ..	Do. ...	...		85	0 0
Receipts from all other sources ... ..	Do. ...	1	12 0	4	9 0
<b>Total Mining Revenue</b> ... ..	...	<b>2,725</b>	<b>3 3</b>	<b>2,318</b>	<b>19 6</b>

TABLE K.  
Yield of Gold for Year ended 1901.

Goldfield.	Alluvial.	Dollied and Specimens.	Tons crushed.	Return in Ozs.	Total yield.		Average per ton, exclusive of Alluvial and Specimens.	
					1900.	1901.	1900.	1901.
Broad Arrow ... ..	ozs. 1,229·52	ozs. 161·30	44,740·13	33,284·62	ozs. 52,433·32	ozs. 34,675·44	ozs. ·69	ozs. ·74

*Warden's Report on North-East Coolgardie Goldfield for the Year 1901.*

*The Under Secretary for Mines, Perth.*

SIR,

Kanowna, 28th January, 1902.

I beg to submit the following Report, with accompanying tables, relating to this goldfield for the year ending 31st December, 1901, for the information of the Honourable the Minister for Mines:—

On the whole, the mining industry in this field has been quietly but steadily improving during the year under review.

The census taken on the 31st March last showed the population to consist of 1,913 males and 777 females, making a total of 2,690 persons, who occupied 1,293 habitations. I believe that a slight reduction of the population has occurred since the date above mentioned. The applications for gold mining leases and other mining holdings have, in most cases, fallen off in the Kanowna and Kurnalpi Districts, whilst the reverse has happened in the Bulong District.

A good deal of prospecting and development work has been carried on in all the mining centres, and the result is confirmatory of a statement which I have made in previous reports, namely, that an enormous area of auriferous land exists within the goldfield which is well worth the attention of energetic prospectors. Gold has been and is still being unearthened at places scattered all over the field.

Here follow brief details concerning each of the mining settlements:—

**KANOWNA.**

At this place a belt of country trending North and South, and about four miles in length, is being partially worked.

Beginning at the South end, the Bonnie Charlie G.M. Co. (N.L.) holds 30 acres under lease. The main vertical shaft is 200ft. deep, 11ft. x 4ft. in the clear, and has three divisions. There is an underlay shaft 200 feet deep, with dimensions of 5 feet by 4 feet; 166ft. of crosscutting, and 684ft. of driving have been done. The inflow of water is 2,000 gallons every 24 hours. The mine, which employs sixteen men, is equipped with a 10-head stamper battery, which has treated for the year 170 tons of ore, for an



average yield of 11dwts. per ton. Insufficient water has been a hindrance to progress. North of this property is an area of 24 acres held by the White Feather Main Reef South G.M. Co. (N.L.), which, however, is only in the prospecting stages. The Lily Australis group is next on the line, with an area of 36 acres. A good deal of development work has been done to the 200ft. level, on a quartz reef, from which payable ore has been raised. The group forms portion of the property of the North White Feather Gold Mines, Ltd., and is connected with another group of leases, about one mile and a-half distant, by means of a tramway and pipe-line, which are used for the conveyance of ore and water to a 20-stamp mill on the latter group. A new main shaft is now being sunk.

Further North, and adjoining the Lily group, is the property of the White Feather Main Reefs, Limited, with an acreage of 80 acres under lease. The main shaft here is 619 feet in depth, and there are also six underlay shafts. A quartz reef has been proved to exist to the bottom level from the surface. The country is porphyritic. 1,006 feet of crosscutting and 7,146 feet of driving have been done. The average size of the reef is about 2 feet 6 inches, and its value is from 15dwts. to 18dwts. per ton. The inflow of water is about 56,000 gallons per 24 hours. The cost of sinking the main shaft was £6 2s. 6d. per foot. An extensive plant of machinery has been erected, including a 20-stamp mill, air-compressors, pumping, cyanide, and electric lighting plants, with all the necessary buildings and apparatus for mining. The average number of men employed has been 170, and during 11 months of the year 14,880 tons of ore were crushed and treated. The mine is paying current expenses and also dividends to the shareholders.

The White Feather Reward Claim, Limited, with an area of 85 acres, including the Golden Cement Group, is the property immediately adjoining the reefs on the North. A great deal of development work has been done, and at one time the mine was a good gold producer; but the yield has gradually fallen off, and at present the only output is that from the sands under cyanide treatment. A new main shaft is now being put down, with a view to cutting the reef at a greater depth than that at which it has been hitherto worked. There is a good equipment of machinery, consisting of 20 head of stamps, pumping, hauling, and winding gear, buildings, and cyanide plant on the property.

The North White Feather Gold Mines, Limited, is the most Northerly mine on this line, and the leases, with an area of 96 acres, adjoin the Reward Group. Six shafts have been sunk, varying in depth from 95ft. to 260ft., and 902ft. of crosscutting and 2,670ft. of driving have been put in. The inflow of water is 9,000 gallons per diem. A 20-stamp mill has been erected, and serves to crush the ore obtained from this group, in addition to that from the Lily Group, which, I have already mentioned, as being connected by the tramway and pipe-line. About 7,000 tons yearly are being treated. Seventy-three men are employed, and a new shaft is being sunk, and general development work is being vigorously done.

The belt of country just described lies to the East of the townsite, and on the West is another tract, also trending North and South, which is also being worked. On the latter, the Robinson Gold Mines, Limited, holds an area of 50 acres. The main shaft is 200ft. deep, and is 12ft. by 4ft. in the clear, and five other shafts, varying from 47ft. to 145ft., have been put down on various parts of the ground. There are 1,285ft. of drives, and 300 feet of crosscuts. Three quartz reefs, varying in size and value, are known to exist. The inflow of water is 12,000 gallons daily. Down to water level the gold is in free milling ore, but below the water metallic sulphides are noticeable. The tailings, of which there is a large tonnage, are now being treated by a syndicate which purchased them from the company. During nine months of the year 804 tons of ore were crushed. Twenty-eight men are employed. Machinery, including a 20-head battery, hauling, pumping, and winding gear and cyanide plants, has been erected on the ground.

About a mile further North the Golden Valley Mines of Western Australia, Ltd., holds an area of 60 acres. The main shaft is 166ft. deep, and is 10ft. by 4ft. in dimensions. Two other shafts are down to 60ft. and 100ft. respectively; 1,000ft. of driving has been done, and the water supply is 24,000 gallons per day. No ore was treated during 1901; but, after a protracted spell, operations have now been resumed. The mine is equipped with the necessary winding and pumping plants, and has, in addition, a 10-head battery and a Huntington mill, and is furnished with the electric light.

On a spur of this line, and a short distance to the West, there are other properties working. The London and Coolgardie Explorers, Ltd., holds two leases, with an area of 29 acres. The main shaft has been sunk to 234ft. in depth, its dimensions being 10ft. by 4ft. There are several other shafts from 70ft. to 227ft. deep. 1,360ft. of drives have been put in, and the water makes at the rate of 3,500 gallons per 24 hours. At the 10-head battery on the mine 3,555 tons of ore were crushed, for an average yield of about 12dwts. per ton. Forty-one men are employed.

Further on is the Kanowna Champion Lode Co., N.L., with 60 acres of ground. The main shaft is 216ft. deep, and five other shafts average 100ft. in depth. The total length of driving is 536ft. Water makes at the rate of 40,000 gallons every 24 hours. No ore has yet been treated on the ground, but a battery is about to be erected. Twelve men are employed. The Ballarat and Prince Oscar Syndicate, Ltd., holds 40 acres. The main shaft is 10ft. x 4ft. in size, and is 120ft. in depth. There are four other shafts, varying from 110ft. to 200ft. in depth, and six others from 30ft. to 80ft. deep. The drives are 940ft. in length, and crosscuts 50ft., and a good deal of other work has also been done. There is a quartz reef on the property about 18in. wide, and valued at from 15dwts. to 1oz. per ton. The inflow of water is about 6,000 gallons per 24 hours. The cost of sinking is about £1 16s. per foot. Gold is also found in the alluvial, which is being worked by tributers. About 500 tons of ore were treated during the year. Five men are employed.

Adjoining the Ballarat group are two leases of a total area of 16 acres, known as the Sunbeam leases, held and worked by a party of miners. One of the leases has been worked for about five years, and has consistently yielded highly-payable ore from a quartz reef.

*North Lead.*—Most of the ground originally held as claims has merged into lease titles, and the holdings are in many cases still being profitably worked.

*Pug or Clay Deposits.*—There is no doubt that a good deal of this class of ore exists on the leads, but, in the absence of measurements and proper sampling tests, it is unsafe to venture an estimate as to its quantity or value. It may, perhaps, be of importance to have these matters attended to by competent persons.

*The Six Mile.*—Several leases are held and worked by miners, with varying success. The greater proportion of gold is obtained by dollying. A few prospecting and alluvial claims are also being worked.

*The Perseverance.*—Here a few leases are also being worked, and on one of them there is erected a 5-head battery. During the year Patrick Turey obtained 265ozs. in a very short while from a formation on ground formerly held under lease (696x); but the gold was very soon worked out.

*Gordon.*—In this centre, a few miles apart, are two leases, the Sirdar and Mt. Upton (formerly Mt. Eba). The Sirdar (late General Gordon) yielded 254ozs. from 26 tons of ore, and the Mt. Upton, under its former name, gave out some small returns. Alluvial patches are being worked in the locality, and some prospecting is being done for quartz.

*Mulgarrrie.*—Some fair alluvial gold has been obtained, but the quartz mining has been at a standstill. The Phoenix Gold Mines, Limited, has a property of 51 acres, with a 20-head battery and other machinery, but the ground is at present in the hands of tributers.

*Hayes' New Find.*—The South Gippsland leases, under the control of a working syndicate, occupy an area of 60 acres, and, with a 10-head mill and good machinery, they promised well to a depth of 200 feet. They have, however, been hung up for the greater portion of the year, owing to the inability of the holders to continue without assistance. A few good alluvial claims were found, and one of them (the Picanniny Reward Claim) has produced a few hundred ounces during the last few months. At Whitehead's Find, a few miles further North, the Vosperton Gold Mines, Limited, holds 36 acres in three leases. £10,000 has been spent on development work, the erection of condensers, winding machinery, and 10-head battery and buildings. So far, only a small quantity of ore has been treated, and the mine has been only recently re-opened after a term of exemption.

*Gambier.*—This settlement is about 25 miles North-East of Kanowna. The Atlas Gold Mines, Limited, with 51 acres, has done some vigorous development work on the "Camellia" group, and on smaller holdings prospecting and development have been actively carried on. Good gold has been won from small parcels; but the want of crushing facilities in the locality has been a great disadvantage.

*Pug Treatment.*—During the year further efforts have been made to provide an efficient treatment for the recovery of gold from the pug deposits and other low-grade ore available around Kanowna, but I regret to say that, after considerable expenditure has been incurred in machinery and its erection, failure has resulted, owing to the want of funds to complete and prove the works.

#### BULONG DISTRICT.

The principal mining operations are being carried on along a belt of country which is distant about a mile West of Bulong Townsite. This belt has a North and South direction. The Queen Margaret Gold Mining Company, Limited, holds 192 acres, and on this property there are extensive works in the nature of both development and machinery. The main shaft is 10 feet x 4 feet, and is 630 feet in depth; 1,930 feet of crosscutting, and below 300 feet, 5,000 feet of driving has been done. It is stated that the average width of the reef is 3 feet, and its value about 1oz. to the ton. The inflow of water is 96,000 gallons daily. The cost of sinking is given at £3 15s. per foot, the cost of driving £1 15s. per foot, and of timbering 5s. per foot. The gold in its present form is termed "free," and the tailings have not yet been treated. The machinery includes a 20-head stamper battery, 5 head of which have been used in treating ore for the public. The mine has produced a large quantity of gold; 121 men are employed, and about 7,000 tons are crushed annually. South of this property, the Queen Margaret Central Gold Mining Company, No-Liability, holds a lease of 12 acres, upon which three shafts have been sunk. The main shaft is down 414 feet, and is equipped with a winding plant. The year has been spent in developing and prospecting the ground. At 400 feet a drive has been put in 290 feet, and fair prospects have been found at different points. From this drive three rises were put up from 30 feet to 65 feet, and in a drive from one of these to the main shaft of the Queen Margaret good ore was found. The manager states that he believes the mine will shortly become a gold-producer.

There are other properties on the same line, but I have no reliable information regarding them.

*The Oversight Lead.*—This is situated close to the Western boundary of the town, and it has been worked for years past by leaseholders and claimholders—without success by the former, and with varying success by the latter. In December, 1900, however, a claimholder named Alexander McQueen struck gold in quartz near the surface, which gave good results from dollying. This led to the taking up of a large number of quartz claims, and of these six or seven proved very rich, some of them phenomenally so. Hundreds of ounces were won by dollying, and ore sent to the mill averaged as high as 17ozs. to the ton. Up to the end of the year the principal claims had yielded about 6,550 ounces of gold, roughly valued at £26,000, and, needless to say, some of the fortunate holders became comparatively opulent in the course of the year. McQueen got part of his gold from quartz, but all the others obtained it from a conglomerate ore-body resembling lode matter. All the gold was got within 40ft. of the surface, and it would be interesting to know whether the ore is alluvial or lode. Naturally, this great discovery gave a fresh impetus to prospecting, and a large number of men worked the ground adjacent to the rich claims, but the ore-body has, so far, not been traced beyond the limits of the latter.

*Balagundi.*—At this place, Messrs. Diskon, McCullagh, and party discovered rich gold in a lease held by them, and this induced others to prospect the locality, with the result that 10 leases have been taken up, and from 50 to 60 men have been engaged in working them and in prospecting the surrounding districts. There is neither a battery nor a water supply at this place, and the miners state that they are heavily handicapped by their absence.

*Black Hills.*—This is a mining camp about 15 miles South of Bulong. During the year two rich patches of alluvial were found here, and a fair quantity of gold was obtained, including some fine nuggets, which varied in weight up to 52ozs. From 40 to 50 men worked the ground. There is no water supply, but the miners obtain water from the Bulong tank at a cost of 4d. per gallon.

*Hogan's Find.*—Formerly rich alluvial gold was worked here, but the alluvial now seems to be exhausted, and some of the land is held under lease, and owners are obtaining a good quantity of gold from quartz leaders and lode material.

*The 25-Mile.*—This place is about 15 miles North-East of Mount Monger. During the year gold was discovered in quartz, and a Reward Lease was granted to the prospectors, George Playle and party. Several leases were taken up in the locality, and they are at present stated to have very good prospects.

From the foregoing remarks, it will be seen that mining and prospecting have been carried on in the Bulong District with gratifying results.

#### KURNALPI DISTRICT.

This centre is now very quiet. In the early part of the year several large nuggets were found, varying from 4ozs. to 123ozs. in weight; but, with the exception of this heavy gold, nothing of importance was revealed. The locality has always been noted for its nuggets, and the hope of finding them, or something of a more permanent character, has been the inducement for a few men to remain in the district.

*The Jubilee.*—Here a few leases are held and worked. A quartz reef carrying gold has been worked down to 200ft., and some fair ore has been crushed. Formerly a rich patch of alluvial was worked here, but it is now apparently exhausted. About 16 men have been engaged on the leases and in prospecting during the year.

*Mulgabbie.*—This is a mining camp situated about 36 miles Northerly from Kurnalpi. The population has varied during the year from 35 to 60 persons. A quantity of gold was won from alluvial and from quartz leaders, but nothing permanent has been found. During the year two mineral leases were applied for of land covering part of the old alluvial workings at Kurnalpi, in which it has been stated that cobalt has been found. One lease was granted, but the other is still pending.

*General.*—At Kanowna a syndicate has engaged in a new business, namely, the buying of tailings for treatment by cyanide. By using cheap portable plants, their operations are being carried on successfully.

*Mining Accidents.*—It is pleasing to note that no fatal accident happened during the year. Three accidents were reported, and each was due, I believe, to the want of caution or of thoughtlessness on the part of the persons injured.

Subjoined are particulars of alluvial nuggets found and reported during the year:—

Places.	Names of Finders.	Weights.	Total.
		ozs.	ozs.
Kurnalpi ... ..	W. McNicholl ... ..	37·00	
Do. ... ..	Do. ... ..	33·00	
Do. ... ..	Hurst & Muir ... ..	123·00	
Do. ... ..	Do. ... ..	12·55	
Do. ... ..	Ellis & Horton ... ..	27·00	
Do. ... ..	Nicholson & George ... ..	4·00	
Do. ... ..	Nicholson & McEvoy ... ..	10·00	
Do. ... ..	George the Greek ... ..	20·00	
			266·55
Kanowna ... ..	Patrick McKinley ... ..	40·40	
Do. ... ..	Do. ... ..	6·85	
			47·25
Bulong—			
Black Hills ... ..	Patrick Horan ... ..	48·00	
Do. ... ..	Do. ... ..	38·00	
Do. ... ..	Do. ... ..	52·575	
Do. ... ..	Not ascertained ... ..	26·00	
Do. ... ..	Do. ... ..	25·50	
Do. ... ..	Do. ... ..	14·00	
Do. ... ..	Do. ... ..	8·00	
Do. ... ..	M. Tully ... ..	36·00	
Do. ... ..	Campbell ... ..	3·81	
			251·885
	Total ... ..		565·685

*Boring for Deep Alluvial.*—During the year the Mines Department caused a series of twenty-five bores, varying in vertical depth from 92 feet to 111 feet, to be put down, with a view to locating the continuation of the North Lead. It was reported that in two of these bores traces of gold were found at depths of 102 feet and 110 feet respectively. The results of the operations did not induce the miners to work the ground.

*Water Supply.*—During the year water was obtained from the Government tanks, condensers, and house tanks. Owing to the lightness of the rainfall, it was feared towards the latter part of the year that the condensers would become the sole source of supply, and that the cost of water would be greatly increased in consequence.

*Dry Lakes.*—The lakes, which cover a large area of the goldfield, have not held any considerable quantity of water since a heavy downpour of rain which occurred in March, 1896, when they were all filled.

*Rainfall.*—This was small. According to the Post Office gauges it was as follows:—Kanowna, 593 points, distributed over 42 days; Bulong, 1,000 points, distributed over 47 days; Kurnalpi, 763 points, distributed over 44 days.

*Timber.*—During the year large areas of forest land were reserved for the purpose of giving the people of this field the exclusive right to the timber, where cutting and removing was permitted. This action was appreciated by local people, because the requirements of an adjacent field threatened to denude the country about Kanowna of its timber and fuel resources. Even an extension of these reserves would meet with local approval.

Having referred to all subjects of interest that have occurred to me, I have only to say, in conclusion, that my thanks are tendered to all those gentlemen who have so courteously furnished me with matter for this Report.

I have, etc.,

P. TROY,  
Warden.

### *Mining Registrar's Report, Bulong, for the Year 1901.*

*From the Mining Registrar, Bulong, to the Warden, Kanowna.*

SIR,

Bulong, 13th December, 1901.

I have the honour to forward you a short Report on the Bulong District for the North-East Coolgardie Goldfield for the last twelve months, from which you will see that several of the mining centres, which at the same period in last year appeared to be almost defunct, have taken a new lease of life, and show signs of a healthy revival in the near future.

Balagundi, especially, must be noted as being likely to develop into a solid mining centre, and to furnish great scope for the capitalist as well as the prospector. The recent crushings from Messrs. Diskon and McCullagh's mine, the "Mount Bellew," averaging from 5ozs. to 17ozs. per ton (the majority of which stone was obtained at a depth), has proved an incentive to a number of the old hands in this district to give their attention to that portion of the field. During this year 12 new leases have been applied for in the vicinity, embracing 162 acres, and about 70 men are now working there; and, should a supply of water be obtained (for which they are now sinking), I understand a battery will be erected at once, which is all that is needed to prove the value of the numerous lodes which are known to exist, and have been opened up to a considerable extent.

Bulong itself, in the early part of the year, received a big impetus by the discovery by Alex. McQueen of a rich leader under the old alluvial workings on the "Oversight Lead," and a few feet from the surface, and from which, up to date, some 7,500ozs. have been won; 150ozs. have been dollied for the last month.

The whole of this line was then taken up in quartz claims, several of which have proved veritable golden holes; one claim, owned by Messrs. Menzies & McNalley, having yielded over £12,000 worth of gold during the year. North; and adjoining this property, Messrs. Quigley & Lynch hold two men's ground, and have had two crushings; the first of which averaged 17ozs. to the ton, and the second over 13ozs. per ton.

North again, Messrs. Coen and party and Morris and party have both had sensational returns, varying from 6oz. to 13ozs. to the ton. Good results have also been obtained some two miles South of the above claims, in the deep alluvial ground, where several parties are still on payable wash.

The principal mine, the property of the Queen Margaret Gold Mining Co., Ltd., has during the last year acquired an additional 60 acres; also the White Horse Lease, of 12 acres, which has enhanced the value of their property considerably, as about 250 tons a month are crushed from this lease alone, for an average of about 16dwts.

This company, under its able management has, while maintaining a regular output of some 700 to 750 tons monthly, adopted a vigorous policy of development in the lower levels, the Eastern crosscut at the 600ft. level having been extended some 1,400ft.

It is encouraging to note that this company have decided to erect a further 10 head of stamps, which they hope to drop about the end of January, 1902. At the present time the public are dependent on this company for crushing, 5 head of stamps being reserved for such purpose, and there appears to be plenty of material forthcoming to keep this portion of the battery in full swing for some time to come.

At Black Hills, about 12 miles South-East of Bulong, about 100 men are engaged on alluvial ground, and although the majority are not obtaining very much, several of the more fortunate ones have unearthed some big slugs of various sizes. Among those reported are a 52oz., 39oz., 36oz., 26oz., 25oz., and 14oz., and many smaller ones.

The water seems to be the chief difficulty to contend with, the present supply having to be carted 12 miles from the Bulong Government dam.

Several quartz areas have been applied for in this vicinity, and it is probable the place will be well prospected during the coming year. At Mount Monger, Messrs. Sheehan and party have been obtaining sensational returns by dollying, and I understand a battery is about to be erected in this locality.

Further East, again, at a place known as the 25-Mile, which is situated about 15 miles E.N.E. of Mount Monger, a reward lease has been obtained by Messrs. Playle and party of 24 acres, where some splendid prospects have been obtained, and in the adjoining block, held by N. Dunleavy, to the North, a lode said to carry good gold, and averaging about 6 feet to 8 feet in width at a depth of about 60 feet, is being worked. The want of water here also is the chief drawback, the gnamma holes all having dried up, and unless rain falls soon all work must be suspended for a while in this part of the field.

In conclusion, I am of opinion that the future prospects of Bulong and its surroundings are good and likely to improve.

I have, etc.,

H. L. REID,  
Mining Registrar.

KANOWNNA.

TABLE A.

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

	Year 1900.	Year 1901.
Number of Gold Mining Leases applied for	57	29
Area of Gold Mining Leases applied for, in acres	674	309
Number of Gold Mining Leases abandoned, surrendered, or forfeited	48	54
Number of Gold Mining Leases refused	4	1
Number of Gold Mining Leases in force	133	112
Area of Gold Mining Leases in force, in acres	1,625	1,336
Number of Water Rights in force	26	29
Area of Water Rights in force, in acres	39	15
Number of Quartz Claims in force	23	27
Number of Alluvial Claims in force	196	195
Number of Protection Areas in force	65	74
*Number of Residence Areas in force	9	8
*Number of Business Areas in force	42	42
Number of Machine Areas in force	14	16
Number of Tailings Areas in force	5	3
Number of Garden Areas in force	3	1
Number of Miners' Rights issued during	547	320
Number of Business Licenses issued during	6	10

\* In addition to the above, there were, on the 31st December, 1900, 236 Residence Areas and 79 Business Areas; and on the 31st December, 1901, 234 Residence Areas and 77 Business Areas included within the boundaries of declared townsites, but not sold.

BULONG.

TABLE A.

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

	Year 1900.	Year 1901.
Number of Gold Mining Leases applied for	17	65
Area of Gold Mining Leases applied for, in acres	237½	852½
Number of Gold Mining Leases abandoned, surrendered, or forfeited	39	29
Number of Gold Mining Leases refused	3	3
Number of Gold Mining Leases in force	38	59
Area of Gold Mining Leases in force, in acres	509	798
Number of Water Rights in force	14	10
Area of Water Rights in force, in acres	63	38
Number of Quartz Claims in force	8	62
Do. Alluvial Claims do.	38	9
Do. Protection Areas do.	15	5
Do. Residence Areas do.	67	61
Do. Business Areas do.	10	1
Do. Machine Areas do.	2	2
Do. Tailings Areas do.	1	1
Number of Miners' Rights issued during	133	296
Number of Business Licenses issued during	3	1

## KURNALPI.

TABLE A.

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

	Year 1900.	Year 1901.
Number of Gold Mining Leases applied for ... ..	4	3
Area of Gold Mining Leases applied for, in acres ... ..	60	48
Number of Gold Mining Leases abandoned, surrendered, or forfeited	3	5
Number of Gold Mining Leases refused ... ..	1	...
Number of Gold Mining Leases in force ... ..	8	5
Area of Gold Mining Leases in force, in acres ... ..	133	73
Number of Water Rights in force ... ..	1	1
Area of Water Rights in force, in acres ... ..	2	2
Number of Quartz Claims in force ... ..	12	7
Number of Alluvial Claims in force ... ..	5	3
Number of Protection Areas in force ... ..	6	Nil
Number of Residence Areas in force ... ..	4	1
Number of Business Areas in force ... ..	1	2
Number of Machine Areas in force ... ..	2	2
Number of Miners Rights issued during ... ..	70	61
Number of Business Licenses issued during ... ..	...	2

## KANOWNNA.

TABLE B.

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

	Year 1900.	Year 1901.
Number of Mineral Leases applied for ... ..	1	...
Area of Mineral Leases applied for, in acres ... ..	30	...
Number of Mineral Leases abandoned, surrendered, or forfeited	...	2
Number of Mineral Leases refused ... ..	1	...
Number of Mineral Leases in force ... ..	2	...
Area of Mineral Leases in force, in acres ... ..	17	...
Number of Mining Licenses issued during ... ..	1	...

## BULONG.

TABLE B.

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

	Year 1900.	Year 1901.
Number of Protection Areas in force ... ..	1	...
Number of Mining Licenses issued during ... ..	1	...

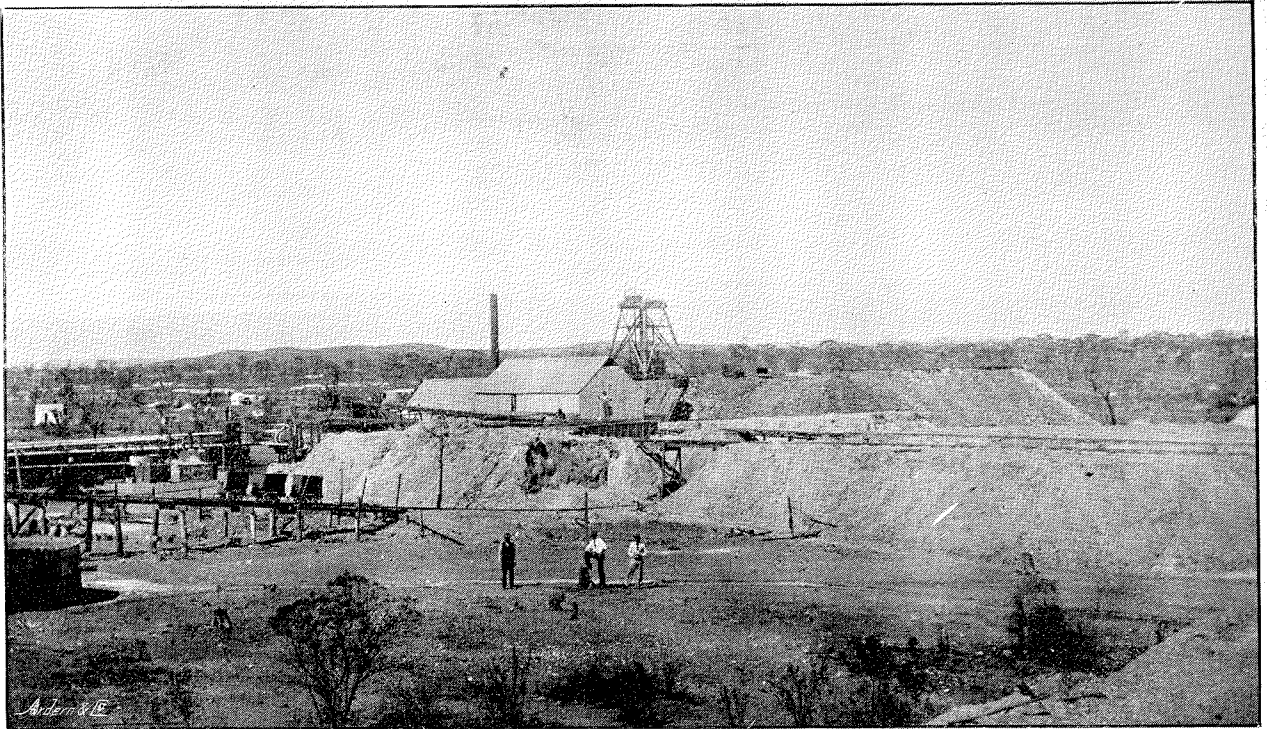
## KURNALPI.

TABLE B.

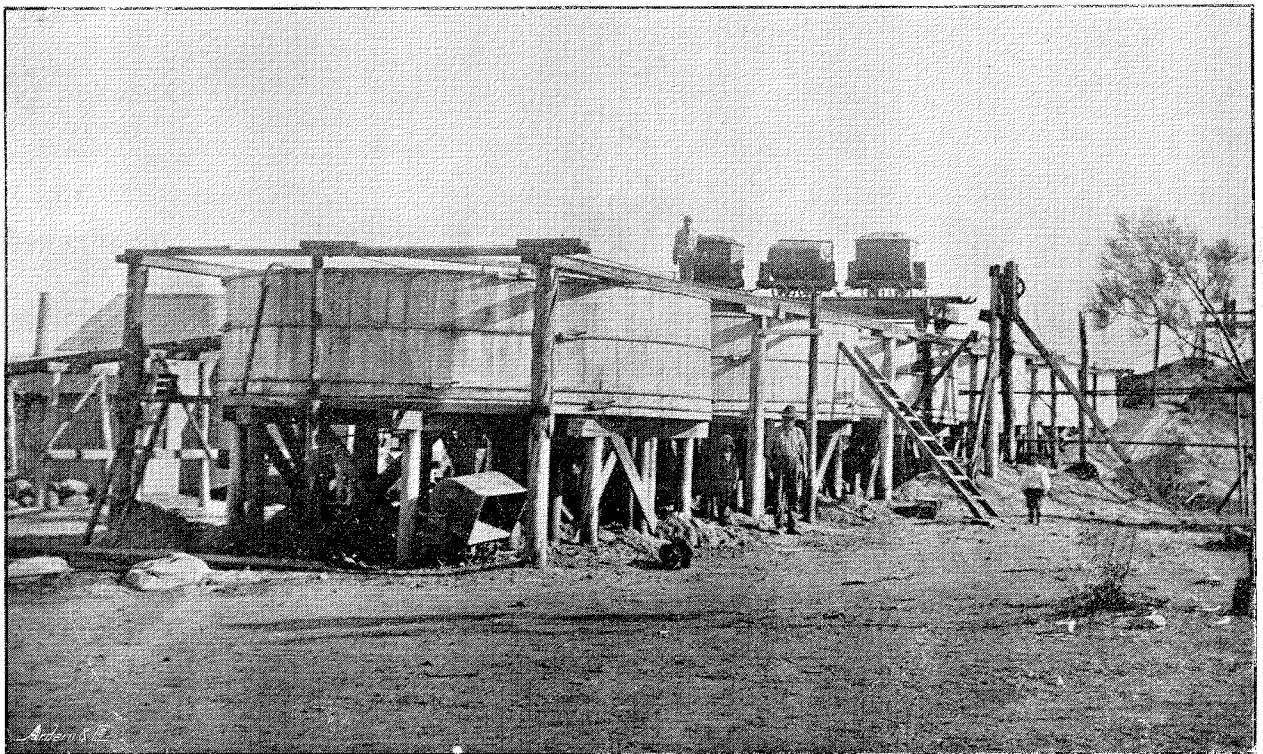
*Applications for Leases, etc., under the Mineral Lands Act.*

	Year 1900.	Year 1901.
Number of Mineral Leases applied for ... ..	...	2
Area of Mineral Leases applied for, in acres ... ..	...	36
Number of Mineral Leases in force ... ..	...	1
Area of Mineral Leases in force, in acres ... ..	...	12
Number of Protection Areas in force ... ..	1	...
Number of Mining Licenses issued during ... ..	...	1

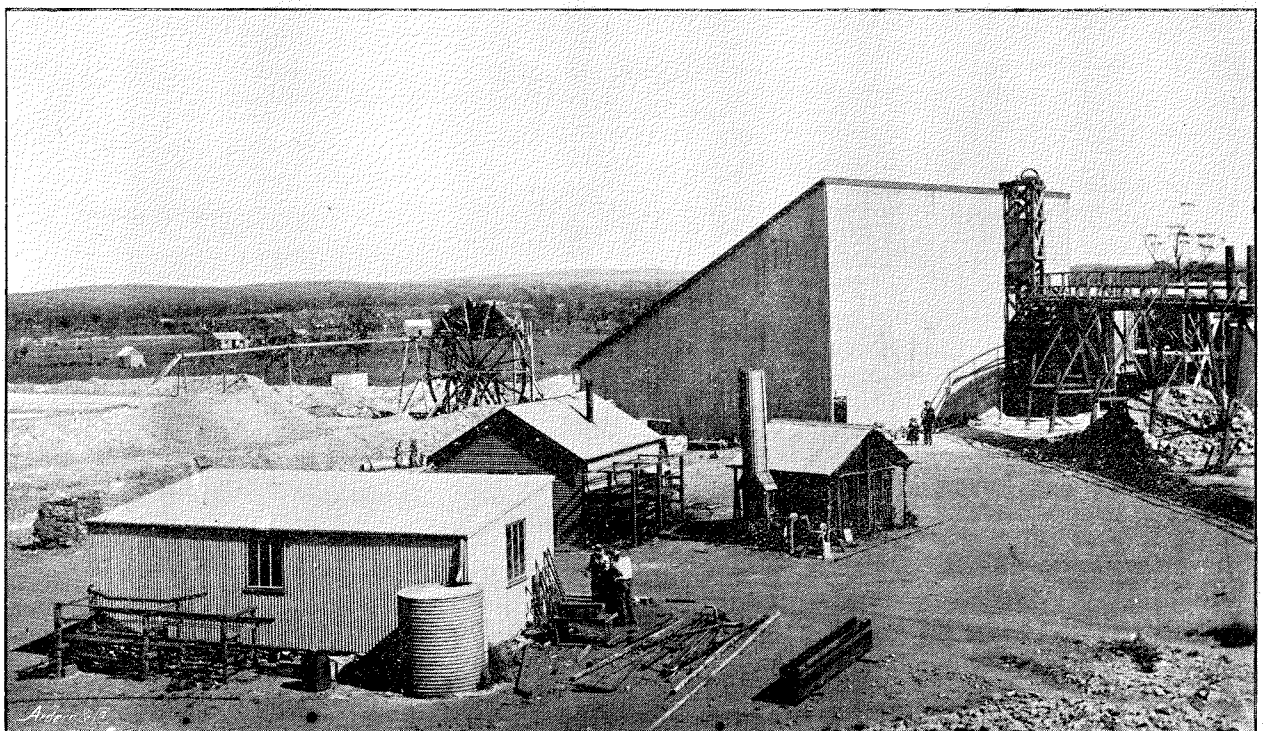




White Feather Main Reef, Kanowna, North-East Coolgardie Goldfield.



Cyanide Vats at White Feather Main Reef, Kanowna, North-East Coolgardie Goldfield.



Golden Arrow Gold Mine, Broad Arrow Goldfield.

TABLE G.  
Mining Revenue, 1900-1901.

	Goldfield or Mining District.	Year 1900.		Year 1901.	
		£	s. d.	£	s. d.
Lease Rental under Goldfields Act ... ..	North-East Coolgardie	2,311	1 6	2,403	6 6
Other Rentals, Goldfields Act ... ..	Do. ...	509	15 0	628	18 6
Receipts from all other sources under Goldfields Act	Do. ...	215	9 0	178	0 0
Lease Rentals under Mineral Lands Act ... ..	Do. ...	23	16 6	4	10 0
Other Rentals, Mineral Lands Act ... ..	Do. ...	...	...	0	10 0
Survey Fees (Leases, Areas, etc.) ... ..	Do. ...	553	5 0	680	0 0
Examination Fees (Underground Surveyors and Engine-drivers on Goldfields) ... ..	Do. ...	83	7 6	48	7 6
Exemption Fees (Leases, Areas, etc.) ... ..	Do. ...	283	8 0	325	17 0
Fees under Boiler Inspection Act ... ..	Do. ...	228	0 0	117	10 0
Receipts from Public Batteries ... ..	Do. ...	54	13 9	...	...
Receipts from all other sources ... ..	Do. ...	4	15 3	9	8 6
<b>Total Mining Revenue</b> ... ..	...	<b>4,267</b>	<b>11 6</b>	<b>4,396</b>	<b>8 0</b>

TABLE K.  
Yield of Gold for Year ended 1901.

District.	Alluvial.	Dolled and Specimens.	Tons Crushed.	Return in Ozs.	Total Yield.		Average per ton, exclusive of Alluvial and Specimens.	
					1900.	1901.	1900.	1901.
Kanowna ... ..	ozs. 5,778·41	ozs. 1,078·45	40,559·50	34,013·41	ozs. 47,382·66	ozs. 40,870·27	ozs. ·63	ozs. ·84
Bulong ... ..	2,733·93	1,896·61	10,312·75	14,752·64	19,139·07	19,383·18	1·14	1·43
Kurnalpi ... ..	1,986·59	620·65	1,106·00	791·01	4,224·13	3,398·25	1·07	·71
	10,498·93	3,595·71	51,978·25	49,557·06	70,745·86	63,651·70	·71	·95

*Warden's Report on the East Coolgardie Goldfield for the Year 1901.*

*To the Under Secretary for Mines, Perth.*

SIR,

I have the honour to forward Report on this Goldfield for the past year.

The Goldfield having passed the speculative state, and by continuous and regular monthly output proved the value of the different mines, it is very difficult to make a report varying from that of the preceding year.

I can only report that the developments made during the year on the already well-known mines make certain the well-being of the field for many years to come.

During the year, some of the mines which had been worked for a long time unsuccessfully have either been thrown up or have been for considerable periods under exemption.

Others, from which the yield has been small, but sufficient to cover or almost cover working expenses, are amalgamating under a joint company or companies, centralising their plants, and thus reducing the average of cost of raising and crushing the ore; so that I trust, in the coming year, mines which hitherto have been worked even at a small loss may become payable.

During the year the only new reefing find was made about 15 (fifteen) miles to the Southward of Kalgoorlie.

From this some rich stone was obtained, and prospects appear favourable.

The leases at this place were taken up by prospectors with but small capital.

Owing to the difficulty of now obtaining the assistance of capital, very little has been done at this find.

Continuous prospecting for deep alluvial has been carried on. Several leads have been found, but, unfortunately, although carrying gold, it was not in sufficient quantities to be payable.

I attach various tables.

I have, etc.,

JOHN M. FINNERTY,  
Warden.

Kalgoorlie, 14th January, 1902.

TABLE A.

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

	Year 1900.	Year 1901.
Number of Gold Mining Leases applied for ... ..	30	52
Area of Gold Mining Leases applied for, in acres ... ..	574	1,044
Number of Gold Mining Leases abandoned, surrendered, or forfeited ... ..	77	125
Number of Gold Mining Leases refused ... ..	...	2
Number of Gold Mining Leases in force ... ..	382	295
Area of Gold Mining Leases in force, in acres ... ..	6,368	4,665
Number of Water Rights in force ... ..	93	111
Area of Water Rights in force, in acres ... ..	2,201	2,300
Number of Quartz Claims in force ... ..	5	8
Number of Alluvial Claim in force ... ..	9	9
Number of Protection Areas in force ... ..	18	18
Number of Residence Areas in force ... ..	1,111	985
Number of Business Areas in force ... ..	66	66
Number of Machine Areas in force ... ..	15	15
Number of Tailings Areas in force ... ..	3	4
Number of Garden Areas in force ... ..	40	43
Number of Miners' Rights issued during ... ..	1,838	1,401
Consolidated Miners' Rights ... ..	3 for 16 men	2 for 8 men
Number of Business Licenses issued during ... ..	27	17
Miners' Homestead Leases ... ..	...	2
Area of Miners' Homestead Leases, in acres ... ..	...	505
Water Leases ... ..	2	2
Area of Water Leases, in acres ... ..	3,203	3,203

TABLE B.

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

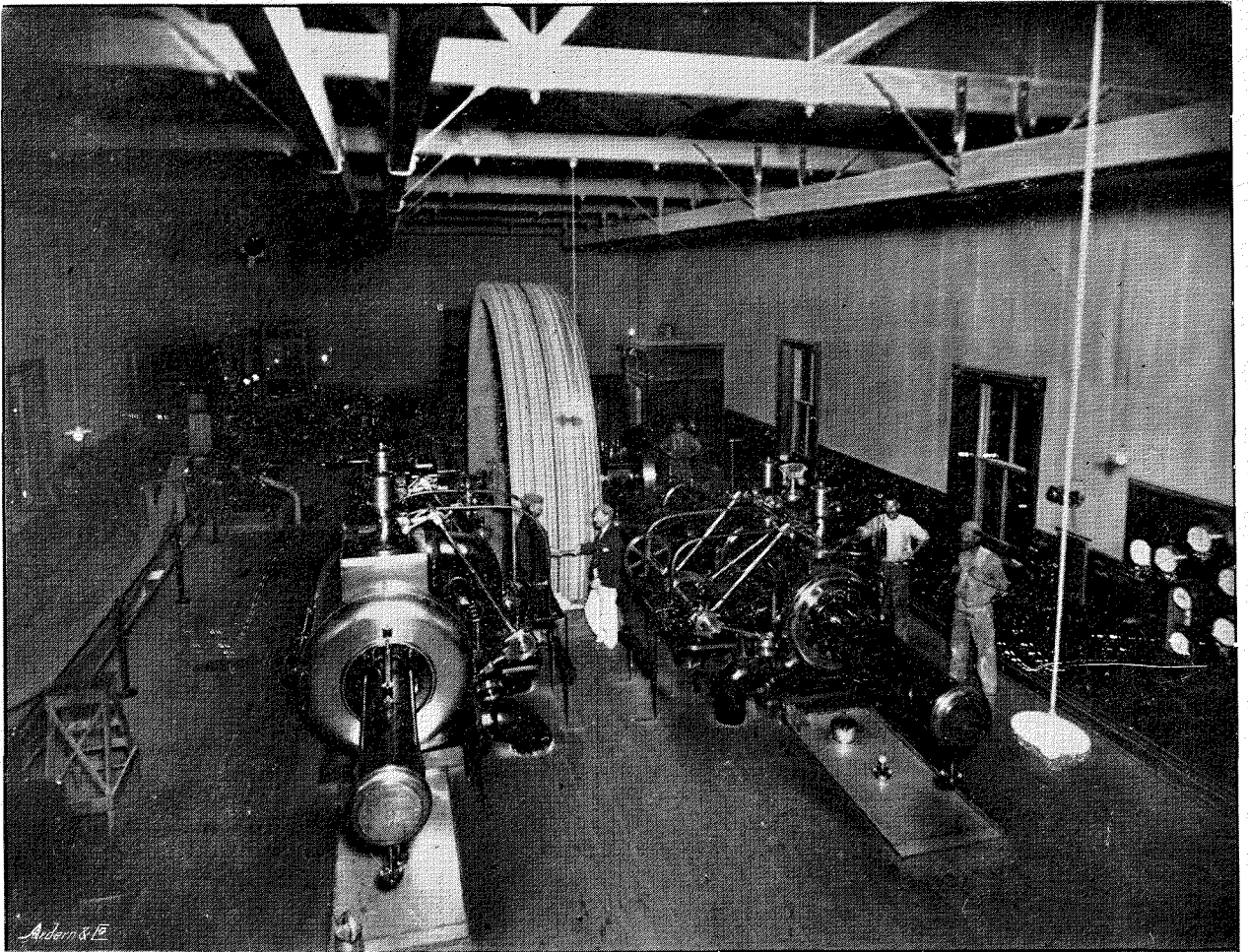
	Year 1900.	Year 1901.
Number of Mineral Leases applied for ... ..	17	4
Area of Mineral Leases applied for, in acres ... ..	178	84
Number of Mineral Leases abandoned, surrendered, or forfeited ... ..	11	17
Number of Mineral Leases in force ... ..	35	20
Area of Mineral Leases in force, in acres ... ..	360	156
Number of Water Rights in force ... ..	Nil	1
Area of Water Rights in force, in acres ... ..	...	10
Number of Protection Areas in force ... ..	...	1
Number of Mining Licenses issued during ... ..	47	17
Prospecting Area for Shale ... ..	...	1

TABLE G.

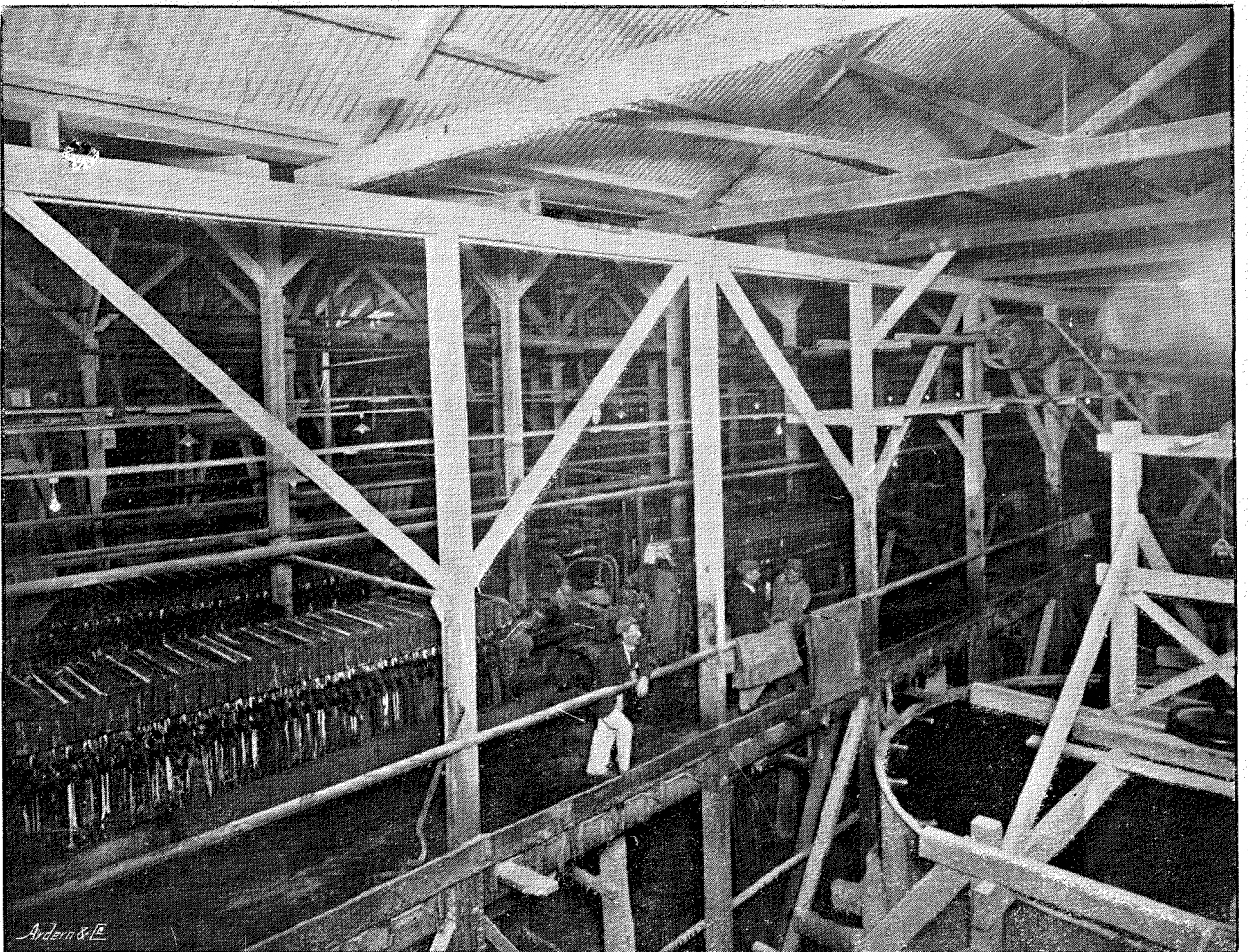
*Mining Revenue, 1900-1901.*

	Goldfield or Mining District.	Year 1900.			Year 1901.		
		£	s.	d.	£	s.	d.
Lease Rental under Goldfields Act ... ..	East Cool-gardie	6,798	6	6	5,603	4	0
Other Rentals under Goldfields Act ... ..	Do. ...	1,924	0	0	1,336	16	0
Receipts from all other sources under Goldfields Act ... ..	Do. ...	462	5	9	241	4	0
Lease Rental under Mineral Lands Act ... ..	Do. ...	79	10	0	54	4	0
Other Rentals, Mineral Lands Act ... ..	Do. ...	24	10	0	7	5	0
Receipts from all other sources under Mineral Lands Act ... ..	Do. ...	14	6	0	14	15	0
Survey Fees (Leases, Areas, etc.) ... ..	Do. ...	615	0	0	495	10	0
Examination Fees (Underground Surveyors and Engine-drivers on Goldfields) ... ..	Do. ...	265	12	6	124	1	0
Exemption Fees (Leases, Areas, etc.) ... ..	Do. ...	1,009	3	0	847	1	0
Fees under Boiler Inspection Act ... ..	Do. ...	610	0	0	718	0	0
Receipts from all other sources ... ..	Do. ...	33	2	0	60	18	3
<b>Total Mining Revenue ... ..</b>	...	<b>11,835</b>	<b>15</b>	<b>9</b>	<b>9,502</b>	<b>18</b>	<b>3</b>





600-H.P. Engine Driving Sulphide Plant, Great Boulder, East Coolgardie Goldfield.

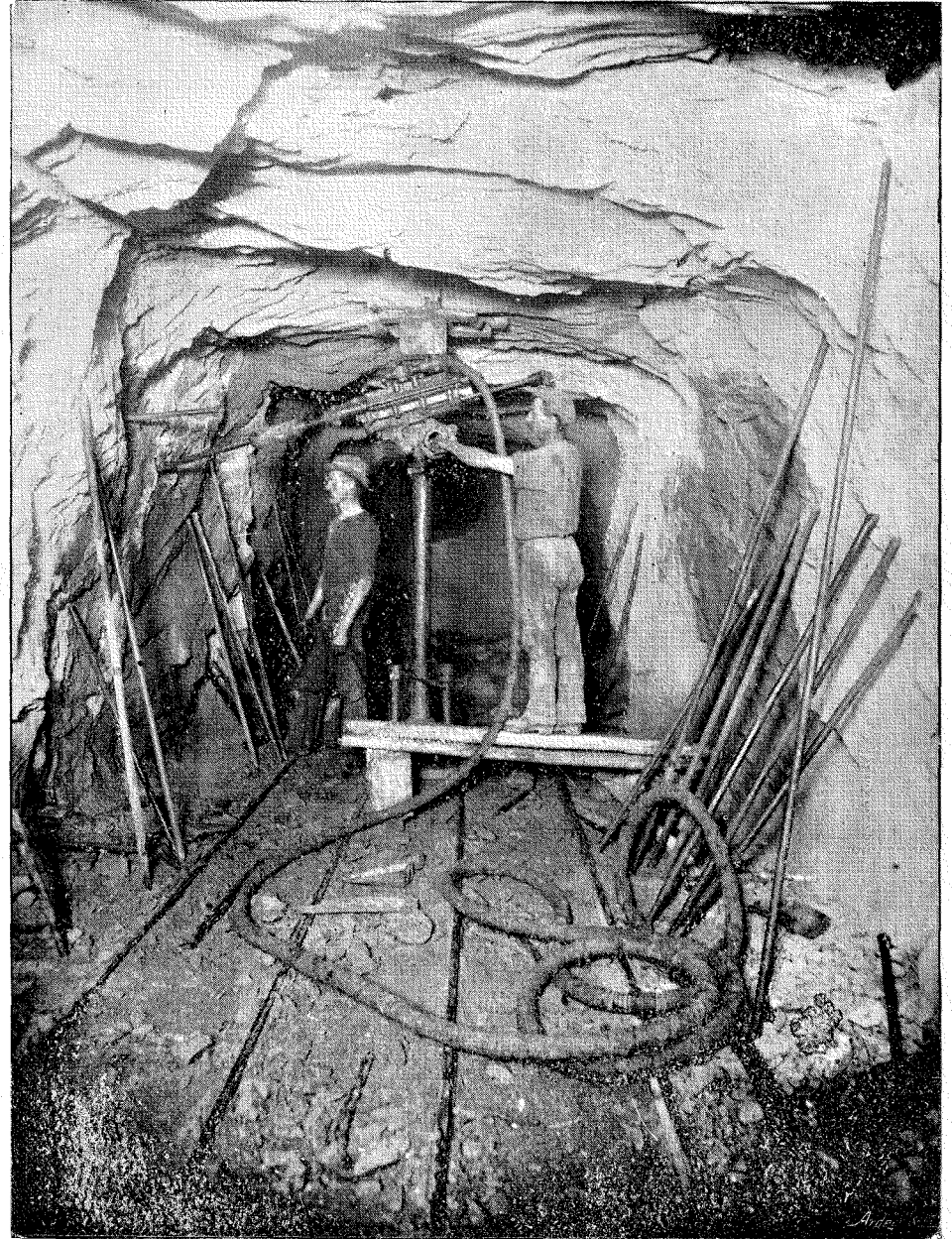


Filter Presses, Great Boulder, East Coolgardie Goldfield.

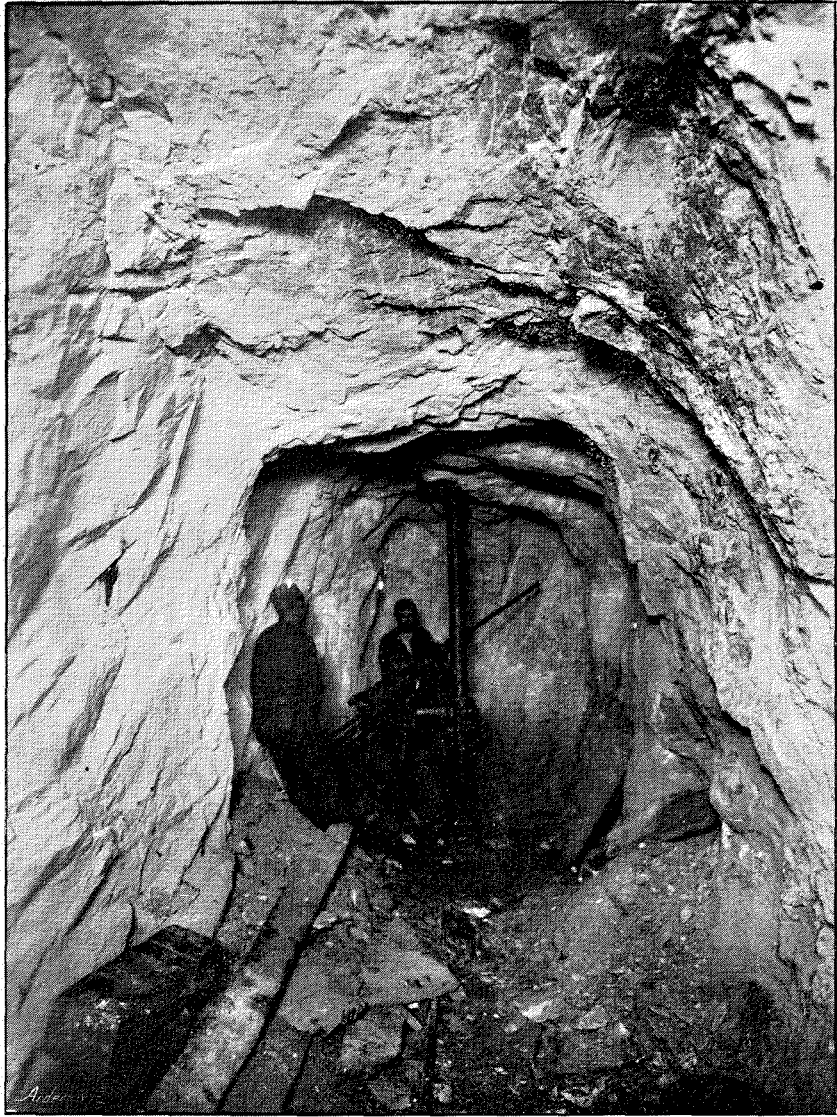




South Drive on East Lode, 300ft. Level, Ivanhoe Corporation, Ltd.,  
East Coolgardie Goldfield.



Main East Crosscut at 600ft. Level, Ivanhoe Corporation, Ltd., East Coolgardie  
Goldfield (commencing a drive on Lode).



North Drive, 1200ft. Level, Great Boulder,  
East Coolgardie Goldfield.



## COOLGARDIE DISTRICT.

TABLE A.

*Application for Leases, etc., under the Goldfields Act.*

	Year 1900.	Year 1901.
Number of Gold Mining Leases applied for ... ..	68	99
Area of Gold Mining Leases applied for, in acres ... ..	829	1,121
Number of Gold Mining Leases abandoned, surrendered, or forfeited ...	119	93
Number of Gold Mining Leases refused ... ..	3	4
Number of Gold Mining Leases in force ... ..	212	197
Area of Gold Mining Leases in force, in acres ... ..	2,786	2,464
Number of Water Rights in force ... ..	22	25
Area of Water Rights in force, in acres ... ..	200	91
Number of Quartz Claims in force ... ..	30	47
Number of Protection Areas in force ... ..	7	9
Number of Residence Areas in force ... ..	67	52
Number of Business Areas in force ... ..	59	47
Number of Machine Areas in force ... ..	13	9
Number of Tailings Areas in force ... ..	12	5
Number of Garden Areas in force ... ..	10	13
Number of Miners' Rights issued during ... ..	528	524
Number of Business Licenses issued during ... ..	15	11

## KUNANALLING DISTRICT.

TABLE A.

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

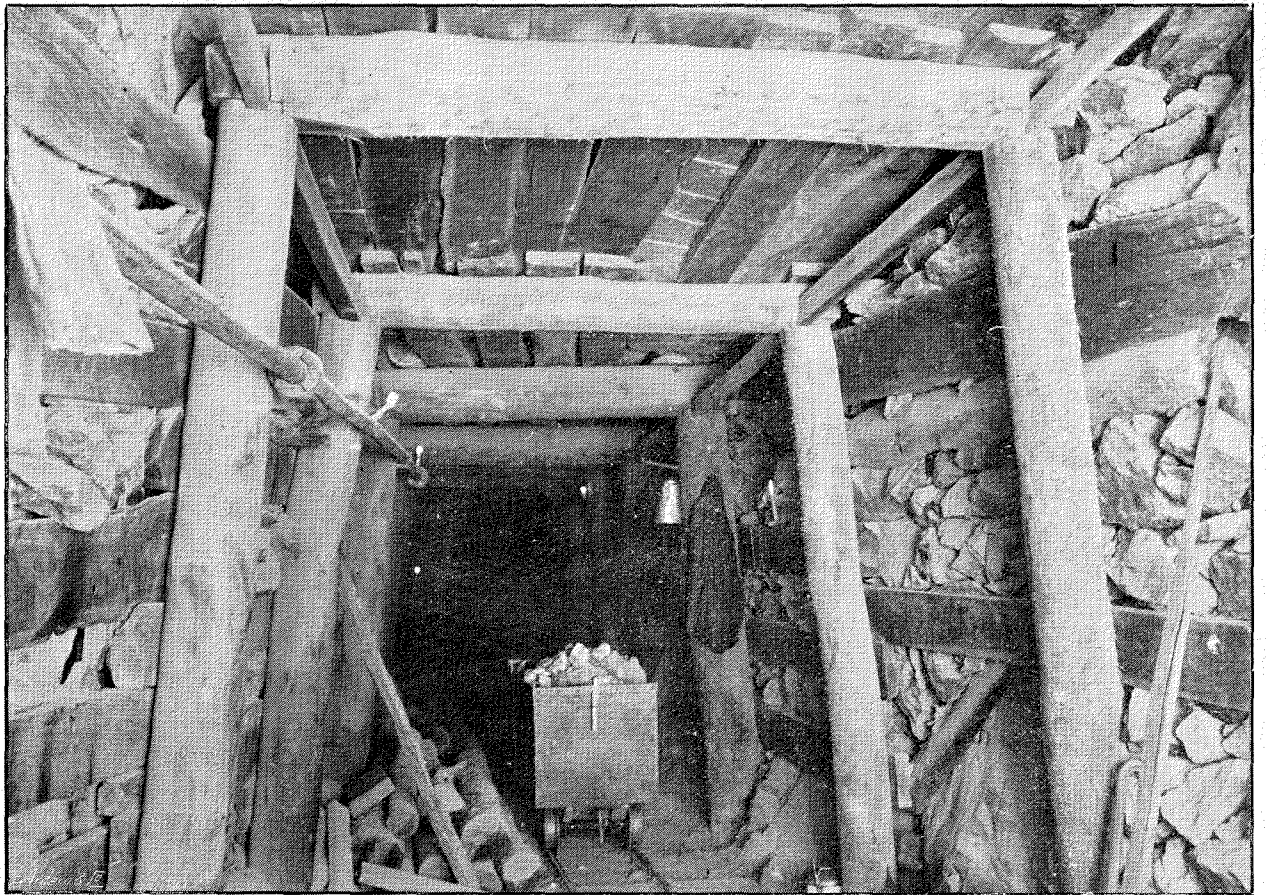
	Year 1900.	Year 1901.
Number of Gold Mining Leases applied for ... ..	62	43
Area of Gold Mining Leases applied for, in acres ... ..	769	456
Number of Gold Mining Leases abandoned, surrendered, or forfeited ...	64	69
Number of Gold Mining Leases refused ... ..	<i>Nil</i>	1
Number of Gold Mining Leases in force ... ..	123	96
Area of Gold Mining Leases in force, in acres ... ..	1,570	1,195
Number of Water Rights in force ... ..	43	45
Area of Water Rights in force, in acres ... ..	135	144
Number of Quartz Claims in force ... ..	17	20
Number of Protection Areas in force ... ..	12	9
Number of Residence Areas in force ... ..	1	1
Number of Business Areas in force ... ..	77	72
Number of Machine Areas in force ... ..	6	5
Number of Tailings Areas in force ... ..	1	...

## COOLGARDIE DISTRICT.

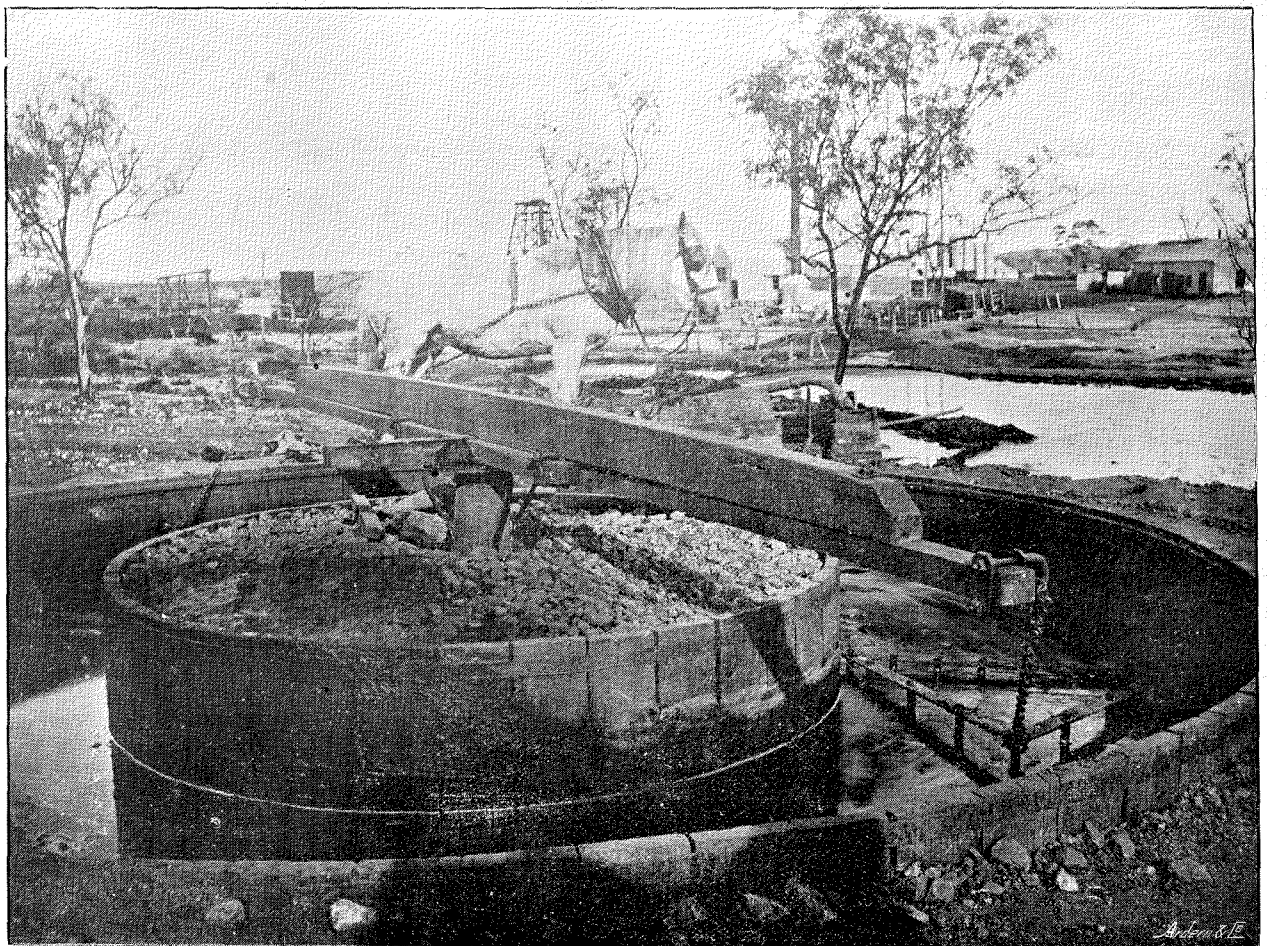
TABLE B.

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

	Year 1900.	Year 1901.
Number of Mineral Leases applied for ... ..	6	<i>Nil</i>
Area of Mineral Leases applied for, in acres ... ..	93	...
Number of Mineral Leases abandoned, surrendered, or forfeited ...	3	4
Number of Mineral Leases refused ... ..	<i>Nil</i>	1
Number of Mineral Leases in force ... ..	4	2
Area of Mineral Leases in force, in acres ... ..	40	14
Number of Mining Licenses issued during ... ..	5	3



Bayley's United (North Level at 380ft., Price's Shaft), Coolgardie Goldfield.



Bayley's United (View of Puddling Machine), Coolgardie Goldfield.

TABLE G.  
*Mining Revenue, 1900-1901.*

	Goldfield or Mining District.	Year 1900.		Year 1901.	
		£	s. d.	£	s. d.
Lease Rental under Goldfields Act ... ..	Coolgardie ...	4,593	11 0	4,150	4 0
Other Rentals, Goldfields Act ... ..	Do. ...	570	10 6	555	11 0
Receipts from all other sources under Goldfields Act	Do. ...	185	2 0	201	11 0
Lease Rental under Mineral Lands Act ... ..	Do. ...	10	12 6	3	10 0
Other Rentals, Mineral Lands Act ... ..	Do. ...	2	10 0	2	0 0
Receipts from all other sources under Mineral Lands Act ... ..	Do. ...	16	12 0	1	5 0
Survey Fees (Leases, Areas, etc.) ... ..	Do. ...	1,010	0 0	720	10 0
Examination Fees (Underground Surveyors and Engine-drivers on Goldfields) ... ..	Do. ...	49	10 0	33	7 6
Exemption Fees (Leases, Areas, etc.) ... ..	Do. ...	610	0 0	508	15 0
Fees under Boiler Inspection Act ... ..	Do. ...	350	10 0	317	0 0
Receipts from Public Batteries ... ..	Do. ...	435	17 3	822	19 3
Receipts from all other sources ... ..	Do. ...	13	7 9	17	14 6
<b>Total Mining Revenue ... ..</b>		<b>7,848</b>	<b>3 0</b>	<b>7,334</b>	<b>7 3</b>

TABLE K.  
*Yield of Gold for Year ended 1901.*

District.	Alluvial.	Dolled and Specimens.	Tons crushed.	Return in ozs.	Total yield.		Average per ton, exclusive of Alluvial and Specimens.	
					1900.	1901.	1900.	1901.
Coolgardie ... ..	ozs. 1,229·05	ozs. 887·58	96,512·25	66,867·43	ozs. 81,238·46	ozs. 68,984·06	ozs. ·76	ozs. ·69
Kunanalling ... ..	30·60	852·18	25,163·66	14,887·19	21,174·55	15,769·97	·71	·59
<b>Total ... ..</b>	<b>1,259·65</b>	<b>1,739·76</b>	<b>121,675·91</b>	<b>81,754·62</b>	<b>102,413·01</b>	<b>84,754·03</b>	<b>·75</b>	<b>·67</b>

*Warden's Report on the Yilgarn Goldfield for the Year 1901.*

*To the Under Secretary for Mines, Perth.*

SIR,

I have the honour to submit the Annual Report on the Yilgarn Goldfield for the year 1901.

I regret to have to report that the sanguine prognostications of my predecessor, in his report for the year 1900, have not so far been borne out; but the people here are hopeful of an improvement at an early date.

The figures in the various tables submitted, in many instances, do not compare very favourably with those for 1900; the area held under lease being one-third less than during the previous year, and the population, so far as females are concerned, showing a decrease of over one hundred, although the males have slightly increased. The decrease in the area held under lease is probably due to the fact that many miners are discarding improved properties, and concentrating their efforts on ground which has more or less been proved to be payable.

In the neighbourhood of Southern Cross, one mine (Fraser's) has been consistently worked during the year, and considerable developmental work has been done. The owners of this property have also largely increased the area held by them. Some half-dozen other properties have been worked on and off during the year, while others have been shut down and their plants disposed of.

A good deal of work has been done on properties to the Southward of Southern Cross, such as the "Transvaal," "Great Southern," and other leases in the neighbourhood of "Greenmount;" but as these mines are mostly held by working miners, want of capital has necessarily retarded their development.

It is contended by many in Southern Cross that the erection of a Government public crushing and cyaniding plant in the vicinity would materially conduce to the development of these properties and the prosperity of the place generally. The owners of several crushing plants in the town state that they are ready and willing to do crushing for the public at low rates, but so far the owners of mines have not availed themselves of these offers.

The ore in the majority of the mines in this locality is of a low grade, and it appears to be difficult to save a fair percentage of the gold by the ordinary methods of crushing, a considerable quantity being lost in the tailings; so that a properly-equipped cyanide plant is necessary in conjunction with any public crushing plant.

Large quantities of tailings have accumulated on various properties, and these are now being treated with cyanide with satisfactory results, thus providing employment for a number of men.

The Hope's Hill property, from which great things were expected, was under exemption for the first six months of the year, and since the exemption expired ten out of the forty head of stamps in the battery have been kept running pretty constantly testing stone from the mine. The owners are now endeavouring to raise further capital in England to give the property a thorough trial.

At Mt. Jackson, the Mt. Jackson Gold Mines, Limited, has been exempt from the labour conditions since 4th March, and the battery has, I believe, been idle all the time; but, I understand, it will be at work again at an early date. The Associated Mt. Jackson Gold Mines of W.A., Limited, was under exemption for the first half of the year, but since then all the labour necessary to hold the various leases has been concentrated on Lease No. 451, where the management is erecting the 10-head battery lately removed from the Central Mine in Southern Cross. The prospects of Mt. Jackson should look brighter when these batteries get to work.

The Jaccoletti property, midway between Southern Cross and Parker's Range, has been worked throughout the year. The owners have erected a dry-crushing machine and cyanide plant, but have been much hampered through want of water, only a small quantity being obtainable from the mine at a depth of about 300 feet.

At Parker's Range mining seems to be looking up. A good deal of work has been done, and from one property a crushing of 80 tons yielded a return of about 445ozs. Here again operations have been much hampered for want of a sufficient supply of fresh water. A Government dam, with a storage capacity of about 1,000,000 gallons, has been constructed there, but so far, unfortunately, it has not held water. Salt water can, I understand, be obtained from a neighbouring lake, but no condensers have as yet been erected.

No new discoveries have been made in this district during the year under review, and very little prospecting for new localities appears to have been done for some time, though doubtless there are many parts of the field well worthy of the attention of the prospector.

I have, etc.,

LIONEL R. DAVIS,

Southern Cross, 6th April, 1902.

Acting Warden.

TABLE A.

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

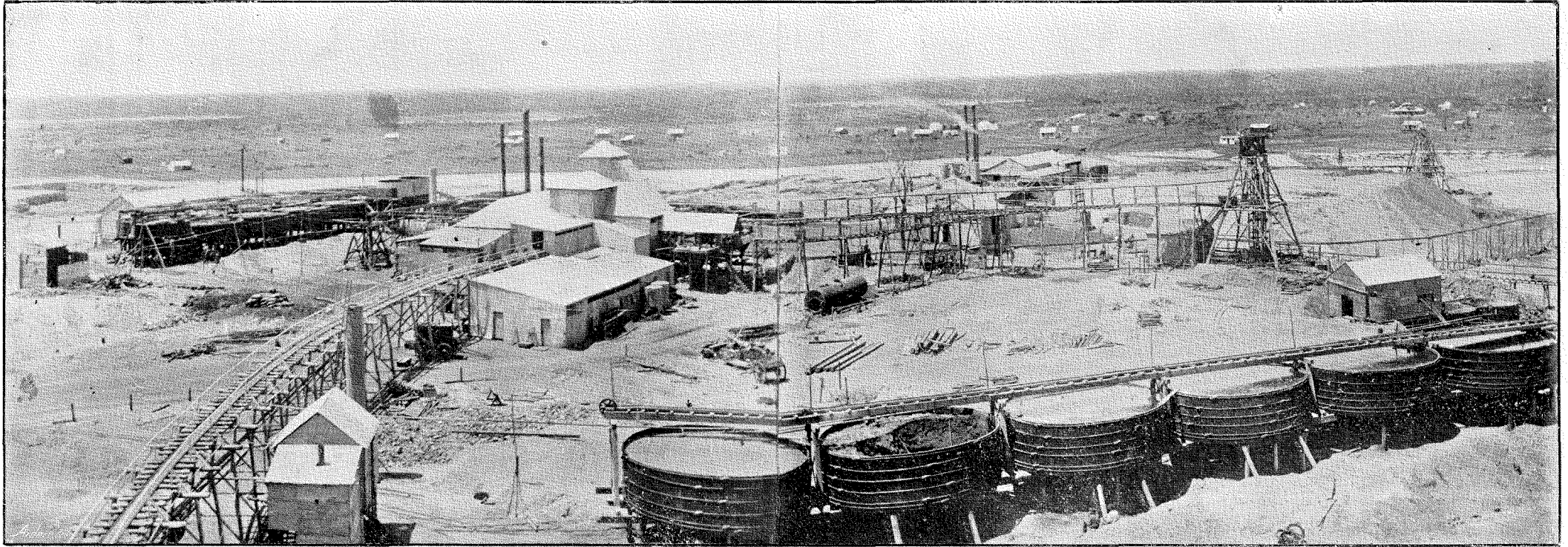
	Year 1900.	Year 1901.
Number of Gold Mining Leases applied for ... ..	16	15
Area of Gold Mining Leases applied for, in acres ... ..	212	253
Number of Gold Mining Leases abandoned, surrendered, or forfeited ...	18	26
Number of Gold Mining Leases refused ... ..	1	Nil
Number of Gold Mining Leases in force ... ..	49	32
Area of Gold Mining Leases in force, in acres ... ..	761	497
Number of Water Rights in force ... ..	17	17
Area of Water Rights in force, in acres ... ..	52½	55
Number of Protection Areas in force ... ..	Nil	1
Number of Residence Areas in force ... ..	41	35
Number of Business Areas in force ... ..	20	15
Number of Tailings Areas in force ... ..	11	12
Number of Garden Areas in force ... ..	6	6
Number of Miners' Rights issued during ... ..	125	69
Number of Business Licenses issued during ... ..	14	21

TABLE B.

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

	Year 1900.	Year 1901.
Number of Mineral Leases applied for ... ..	5	Nil
Area of Mineral Leases applied for, in acres ... ..	62	Nil
Number of Mineral Leases abandoned, surrendered, or forfeited ...	2	Nil
Number of Mineral Leases in force ... ..	3	3
Area of Mineral Leases in force, in acres ... ..	30	30
Number of Mining Licenses issued during ... ..	7	1





Fraser's Gold Mine, Southern Cross, Yilgarn Goldfield.



TABLE G.  
*Mining Revenue, 1900-1901.*

	Goldfield or Mining District.	Year 1900.		Year 1901.	
		£	s. d.	£	s. d.
Lease Rental under Goldfields Act ... ..	Yilgarn ...	762	17 0	607	17 0
Other Rentals, Goldfields Act ... ..	Do. ...	205	0 0	109	15 0
Receipts from all other sources under Goldfields Act	Do. ...	35	15 0	47	13 0
Lease Rental under Mineral Lands Act ... ..	Do. ...	13	15 0	7	17 6
Other Rentals, Mineral Lands Act ... ..	Do. ...	3	10 0	0	10 0
Receipts from all other sources under Mineral Land Act ... ..	Do. ...	1	2 0	2	0 0
Survey Fees (Leases, Areas, etc.) ... ..	Do. ...	134	0 0	82	0 0
Examination Fees (Underground Surveyors and Engine-drivers on Goldfields) ... ..	Do. ...	6	17 6	12	5 0
Exemption Fees (Leases, Areas, etc.) ... ..	Do. ...	80	19 0	74	3 0
Receipts from all other sources ... ..	Do. ...	0	7 9	1	15 6
<b>Total Mining Revenue ... ..</b>	<b>...</b>	<b>1,244</b>	<b>3 3</b>	<b>945</b>	<b>16 0</b>

TABLE K.  
*Yield of Gold for Year ended 1901.*

Goldfield.	Alluvial.	Dollied and Specimens.	Tons crushed.	Return in Ozs.	Total Yield.		Average per ton, exclusive of Alluvial and Specimens.	
					1900.	1901.	1900.	1901.
Yilgarn ... ..	...	ozs. 23'18	26,529'00	ozs. 26,564'23	ozs. 29,155'42	ozs. 26,587'41	ozs. '53	ozs. 1'00

*Warden's Report on the Dundas Goldfield for the Year 1901.*

*To the Under Secretary for Mines, Perth.*

SIR,

I have the honour to submit, for the information of the Honourable the Minister for Mines, the following general Report on the Dundas Goldfield for the year ending 31st December, 1901:—

Mining operations have been quiet, on the whole, during the year, the output of gold being 37,084 ozs., which is nearly 4,000ozs. below the output for the previous year (1900). The deficiency is accounted for through the "Norseman Gold Mines, Ltd.," suspending crushing operations during the latter part of the year, and the Public Battery at Norseman being hung up for some time for repairs and want of water.

The total output of gold from the inception of the field to the 31st December, 1901, is 182,443ozs. This does not include alluvial gold won and not officially reported.

A number of mines which were taken up in the early days of the field, and afterwards abandoned (during the general depression in mining matters which took place a few years ago), are now being worked by local syndicates and parties of working miners, and in many cases very good results are being obtained.

Thirty mines, (principally working miners' shows) are raising ore for treatment at the Norseman Public Battery, so there should be no difficulty in keeping the plant running full time when a sufficient supply of water is obtained. Large quantities of stone are now at grass awaiting treatment.

In February last, Messrs. Steadman, Sheppard, and Cooper reported finding payable alluvial gold at a depth of 100 feet, at the Princess Royal mining centre, six miles North of Norseman. A rush took place there, and a large number of claims were pegged out; but, as only a few of them proved payable, most of the men left the locality.

The Princess Royal is now a flourishing mining centre; the parent mine there (the Princess Royal) is running thirty head of stamps, and machinery is being erected on other mines in the locality.

Very little mining is being done at the Peninsula, Buldania, and Dundas. There are good-looking gold-bearing lodes at these centres, more especially at Buldania, which, I think, would prove highly payable if they were properly opened up and developed; but, of course, capital is required for this, the cost of development being too great for the prospector.

Many of the mines have had to work under great difficulties during the year, owing to the scarcity of water, several having to suspend operations altogether for the time being. This difficulty, combined with the isolation of the field, the consequent high rates of living, and the great expense mine owners are put to in carrying on operations, greatly hampers the mining industry, and retards the general progress of the district.

The "Norseman Gold Mines, Ltd.," have suspended crushing operations for the present. There are about 28,000 tons of tailings available for treatment at this mine, and their cyanide plant treats about 1,400 tons per month.

The Viking shaft on the "Norseman Gold Mines, Ltd.," has attained a depth of 574 feet, this being the deepest shaft on the field.

A few men are working the various gullies around Norseman for alluvial, and although no rich finds have taken place, the men appear to be satisfied with the results of their work.

One great advantage which the Dundas Goldfield enjoys is the splendid supply of timber. Fine belts of eucalyptus are to be found all over the district, and good mining and building timber and firewood are easily obtainable.

A few minor accidents occurred on the mines during the year, but in each case the injuries were slight, and no bad effects followed.

The general health of the field has, on the whole, been very good. A few outbreaks of influenza, scarlatina, and English cholera took place; but, owing to the care exercised by the Medical Officer, the epidemics were soon eradicated.

Sixty-five indoor patients received treatment at the Norseman Hospital during the year, and 46 births, 20 marriages, and 13 deaths were registered.

The past season has been a very bad one, although 872 points of rain were registered at the Norseman Post Office; the showers were so light, and so little fell at the one time, that it practically did no good. During the winter months of the previous year (1900) many of the residents around Norseman had splendid vegetable and flower gardens, but this year, owing to the very dry season, it was almost impossible to grow anything.

The average annual rainfall for the past five years is 909 points.

A number of pastoral leases were applied for during the year. A large area of land in the Dundas District is now held under lease.

Four hundred and seventeen timber and firewood licenses were issued during the year from this office.

The following statement shows the revenue collected at the Warden's office for the year:—

	£	s.	d.
Mining Revenue	4,579	10	10
*Internal	851	3	9
*Land	225	15	3
Excise	218	19	5
Revenue and Stamp sales	62	11	2
Total	£5,938	0	5

\* Exclusive of amounts paid at Head Offices.

I append hereto a list of Tables giving the detailed statistics of the field for the years 1900 and 1901.

I have, etc.,

P. L. GIBBONS,

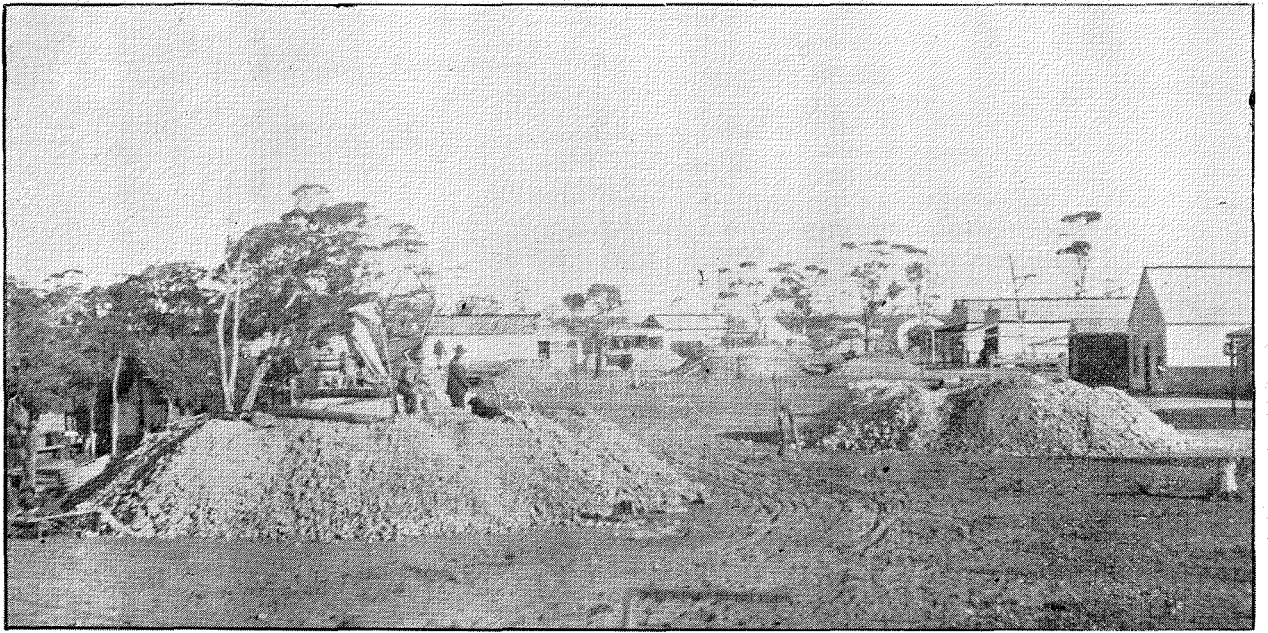
Warden.

Warden's Office, Norseman, 28th January, 1902.

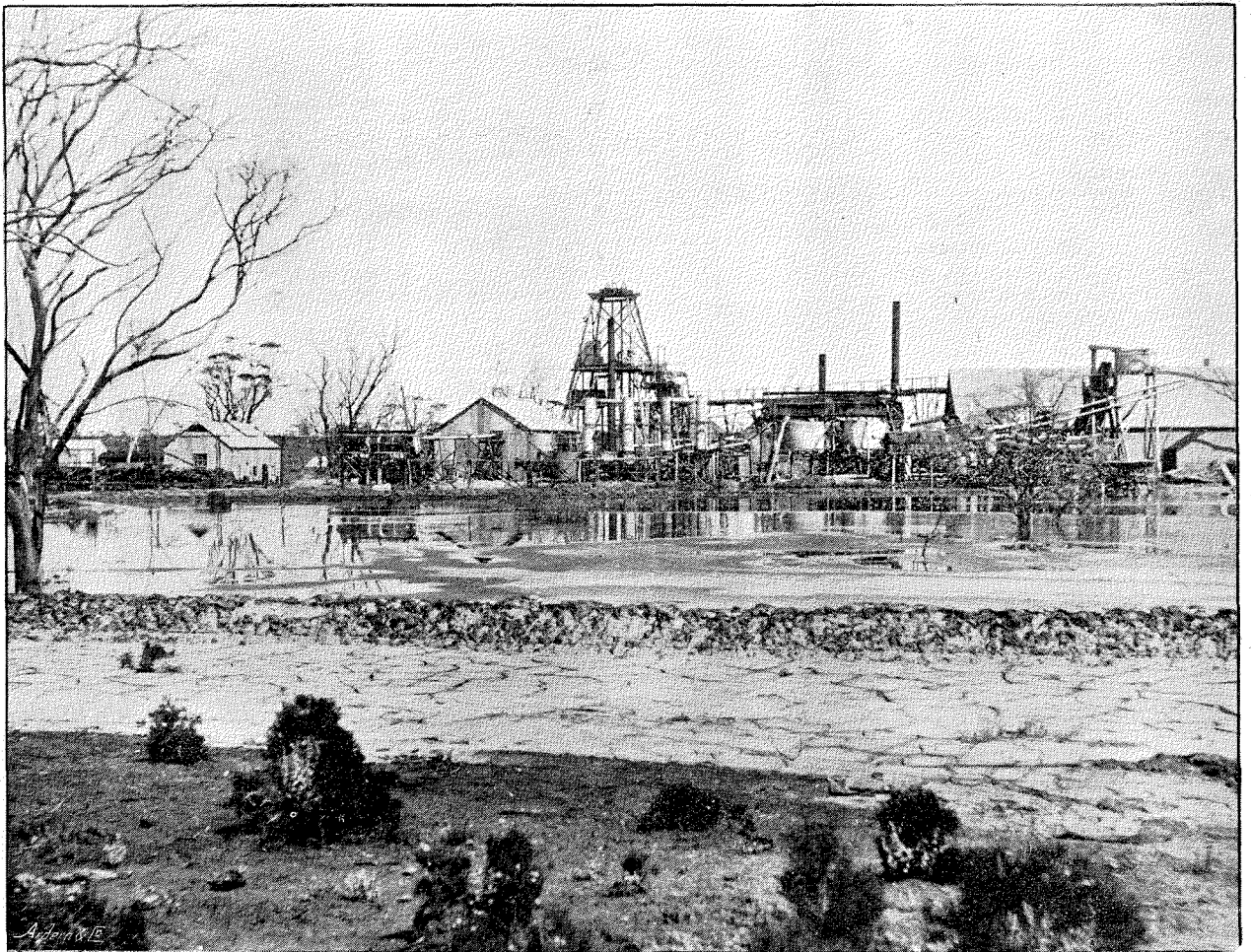
TABLE A.

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

	Year 1900.	Year 1901.
Number of Gold Mining Leases applied for	32	24
Area of Gold Mining Leases applied for, in acres	341	206
Number of Gold Mining Leases abandoned, surrendered, or forfeited	57	22
Number of Gold Mining Leases in force	93	85
Area of Gold Mining Leases in force, in acres	1,164	986
Number of Water Rights in force	42	38
Area of Water Rights in force, in acres	366	349
Number of Quartz Claims in force	26	34
Number of Alluvial Claims in force	3	3
Number of Protection Areas in force	11	11
Number of Residence Areas in force	64	64
Number of Business Areas in force	39	41
Number of Machine Areas in force	6	6
Number of Tailings Areas in force	3	3
Number of Garden Areas in force	1	4
Number of Miners' Rights issued during	265	379
Number of Business Licenses issued during	31	22
Exemptions granted	91	48
Protections granted	79	65



Alluvial Deep Lead at the Princess Royal, Norseman, Dundas Goldfield.



Princess Royal Mine, Norseman, Dundas Goldfield.

TABLE B.

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

	Year 1900.	Year 1901.
Number of Mineral Leases in force ... ..	1	1
Areas of Mineral Leases in force, in acres ... ..	6	6
Number of Mining Licenses issued during ... ..	5	Nil

TABLE G.

*Mining Revenue, 1900-1901.*

	Goldfield or Mining District.	Year 1900.	Year 1901.
		£ s. d.	£ s. d.
Lease Rental under Goldfields Act ... ..	Dundas ...	1,345 5 0	1,111 13 0
Other Rentals, Goldfields Act ... ..	Do. ...	468 10 0	458 2 6
Receipts from all other sources under Goldfields Act ...	Do. ...	84 19 6	51 8 6
Lease Rental under Mineral Lands Act ... ..	Do. ...	1 10 0	1 13 0
Other Rentals, Mineral Lands Act ... ..	Do. ...	2 10 0	...
Survey Fees (Leases, Areas, etc.) ... ..	Do. ...	264 0 0	141 0 0
Examination Fees (Underground Surveyors and Engine-drivers on Goldfields)	Do. ...	38 0 0	36 11 0
Exemption Fees (Leases, Areas, etc.) ... ..	Do. ...	193 12 0	102 8 0
Fees under Boiler Inspection Act ... ..	Do. ...	40 10 0	87 10 0
Receipts from Public Batteries ... ..	Do. ...	1,454 9 6	2,585 12 1
Receipts from all other sources ... ..	Do. ...	1 16 3	3 12 9
<b>Total Mining Revenue ... ..</b>	<b>...</b>	<b>3,895 2 3</b>	<b>4,579 10 10</b>

TABLE K.

*Yield of Gold for Year ended 1901.*

Goldfield.	Alluvial.	Dollied and Specimens.	Tons crushed.	Return in Ozs.	Total yield.		Average per ton, exclusive of Alluvial and Specimens.	
					1900.	1901.	1900.	1901.
Dundas ... ..	ozs. 623·82	ozs. 180·05	38,373·00	36,280·22	ozs. 41,083·63	ozs. 37,084·09	ozs. ·83	ozs. ·94

*Warden's Report on the Phillips River Goldfield for the Year 1901.**The Under Secretary for Mines, Perth.*

SIR,

I have the honour to submit, for the information of the Hon. the Minister, the following Report on the Phillips River Goldfield and Mining District for the year ending 31st December, 1901:—

The field during the year has not progressed so favourably as expected, owing principally to the fall in the price of copper. Until very recently the charges for carting, shipping to Wallaroo, and smelting have amounted to between £8 and £9 per ton, which preclude any but high-grade ore being sent away. The erection of a public smelter in the district is anxiously looked forward to, as the majority of the leases are in the hands of prospectors and small syndicates.

With regard to gold mining leases, two 10-head batteries have been erected; one on Gold Mining Lease No. 1, "Maori Queen," and the other on Mineral Lease No. 21, "Floater." Batteries are also in course of erection on Mineral Lease No. 52, "Harbour View," 10 head; Mineral Lease 60, "Red, White, and Blue," 5 head; and another 5 head is also in course of erection on the Annabelle Creek, which will crush for the public.

Up to the present, the supply of water obtained by sinking is very limited, which has delayed crushings.

Nineteen Miners' Homestead Leases have been applied for, containing 2,940 acres; and the crops have been very satisfactory, as there are good patches of agricultural country in this goldfield.

During the year a Post and Telegraph Office has been opened at Ravensthorpe and also at Hopetoun, the port for the field, where a jetty is also in course of erection.

I have, etc.,

Ravensthorpe, 16th February, 1902.

F. W. SPENCE,  
Warden, Phillips River.

TABLE A.  
*Application for Leases, etc., under the Goldfields Act.*

	Year 1899.	Year 1900.	Year 1901.
Number of Gold Mining Leases applied for ... ..	2	25	15
Area of Gold Mining Leases applied for, in acres... ..	...	600	298
Number of Gold Mining Leases abandoned, surrendered, or forfeited ... ..	...	Nil	9
Number of Gold Mining Leases refused ... ..	...	Nil	1
Number of Gold Mining Leases in force ... ..	...	5	27
Area of Gold Mining Leases in force, in acres ... ..	...	114	607
Number of Water Rights in force ... ..	...	8	7
Area of Water Rights in force, in acres ... ..	...	29	35
Number of Protection Areas in force ... ..	...	1	3
Number of Residence Areas in force ... ..	...	16	16
Number of Business Areas in force ... ..	...	51	53
Number of Machine Areas in force ... ..	...	Nil	1
Number of Tailings Areas in force ... ..	...	Nil	1
Number of Garden Areas in force ... ..	...	Nil	2
Number of Miners' Rights issued during ... ..	...	145	75
Number of Business Licenses issued during ... ..	...	47	8
Area of Miners' Homestead Leases, in acres ... ..	...	19	2,940

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

	Year 1899.	Year 1900.	Year 1901.
Number of Mineral Leases applied for ... ..	16	91	51
Area of Mineral Leases applied for, in acres ... ..	1,565	3,045	1,419
Number of Mineral Leases abandoned, surrendered, or forfeited ... ..	...	20	46
Number of Mineral Leases refused ... ..	...	1	11
Number transferred to Head Office ... ..	...	...	1
Number of Mineral Leases in force ... ..	...	53	65
Area of Mineral Leases in force, in acres ... ..	...	2,265	2,099
Number of Protection Areas in force ... ..	...	5	8
Number of Business Areas in force ... ..	...	10	Nil
Number of Mining Licenses issued during ... ..	...	178	94
Number of Business Licenses issued during ... ..	...	20	Nil

TABLE G.  
*Mining Revenue, 1900-1901.*

	Goldfield or Mining District.	Year 1900.	Year 1901.
Lease Rental under Goldfields Act ... ..	Phillips River	£ s. d.	£ s. d.
Other Rentals, Goldfields Act ... ..	Do. ...	328 0 0	659 0 0
Receipts from all other sources under Goldfields Act	Do. ...	311 5 0	173 1 3
Lease Rental under Mineral Lands Act ... ..	Do. ...	21 19 0	26 13 0
Other Rentals, Mineral Lands Act ... ..	Do. ...	676 18 9	557 18 6
Receipts from all other sources under Mineral Lands Act	Do. ...	156 10 0	50 0 0
Survey Fees (Leases, Areas, etc.) ... ..	Do. ...	70 0 0	47 10 3
Exemption Fees (Leases, Areas, etc.)... ..	Do. ...	949 10 0	553 10 0
Receipts from all other sources ... ..	Do. ...	62 14 0	177 17 0
		1 19 9	7 18 0
Total Mining Revenue ... ..	...	2,578 16 6	2,253 8 0



TABLE K.  
Yield of Gold for Year ended 1901.

Goldfield.	Alluvial.	Dolled and Specimens.	Tons crushed.	Return in ozs.	Total yield.		Average per ton, exclusive of Alluvial and Specimens.	
					1900.	1901.	1900.	1901.
Phillips River ... ..	...	ozs. 487·11	192·00	225·73	ozs. 39·00	ozs. 712·84	...	ozs. 1·17

*Warden's Report on the Donnybrook Goldfield for the Year 1901.*

To the Under Secretary for Mines, Perth.

SIR,

Donnybrook, 29th January, 1902.

I have the honour to report, for the information of the Hon. the Minister, on the Donnybrook Goldfield for the year 1901.

With the exception of one property, that belonging to the "Donnybrook Goldfields Limited," the field cannot be said to have made any progress. Most of the small holders have exhausted their capital, and had to abandon their holdings. At present only five, other than the company's, are being worked.

"The Donnybrook Goldfields Limited," are doing steady development work on their property, mostly upon "Hunter's Venture" lease, where they have sunk a main shaft to 200ft. It is the company's intention to continue this to 300ft., and to open out the mine at both levels before putting up crushing plant. They are now erecting an air-compressor on this lease. Work is also being done by them on "Cammilleri's" and "Queen of the South" leases, which are part of their property.

There is no doubt but that the future of the field will be decided by the results of this company's operations, and I am by no means without hope myself that, in spite of present depression, the time will yet come when the field will take a place among the gold producers of the State.

MINERAL LEASES.

The freestone quarries have not made as much progress as could be wished during the year, but the stone from them has been pronounced excellent for building. Some of it is being used in the new Supreme Court buildings, and I consider that it is only the distance from Perth which prevents its being used for building purposes there very largely. In conclusion, I trust that it will be possible to report more favourably upon this field in future years than it is at present.

I have, etc.,

W. A. G. WALTER.

Warden.

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

	Year 1900.	Year 1901.
Number of Gold Mining Leases applied for ... ..	17	2
Area of Gold Mining Leases applied for, in acres ... ..	249	40
Number of Gold Mining Leases abandoned, surrendered, or forfeited ...	71	42
Number of Gold Mining Leases refused ... ..	6	19
Number of Gold Mining Leases in force ... ..	*51	†31
Area of Gold Mining Leases in force, in acres ... ..	‡785	§47
Number of Protection Areas in force ... ..	24	24
Number of Machine Areas in force ... ..	1	1
Number of Miners' Rights issued during ... ..	52	16

\* Including 15 leases held under Mining on Private Property Acts. † Including 21 leases held under Mining on Private Property Acts. ‡ Including 210 acres held under Mining on Private Property Acts. § Including 306 acres held under Mining on Private Property Acts.

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

	Year 1900.	Year 1901.
Number of Mineral Leases applied for ... ..	2	3
Area of Mineral Leases applied for, in acres ... ..	30	57
Number of Mineral Leases refused ... ..	...	1
Number of Mineral Leases in force ... ..	2	4
Area of Mineral Leases in force, in acres ... ..	30	78
Number of Mining Licenses issued during ... ..	6	7

TABLE G.  
*Mining Revenue, 1900-1901.*

	Goldfield or Mining District.	Year 1900.	Year 1901.
Lease Rental under Goldfields Act ... ..	Donnybrook	£ 823 16 0	£ 382 12 0
Other Rentals under Goldfields Act ... ..	Do. ...	35 5 0	8 0 0
Receipts from all other sources under Goldfields Act	Do. ...	98 10 0	10 17 6
Lease Rental under Mineral Lands Act ... ..	Do. ...	1 17 6	20 5 0
Other Rentals under Mineral Lands Act ... ..	Do. ...	3 0 0	3 10 0
Receipts from all other sources under Mineral Lands Act	Do. ...	0 14 6	1 0 0
Survey Fees (Leases, Areas, etc.) ... ..	Do. ...	120 0 0	10 0 0
Exemption Fees (Leases, Areas, etc.) ... ..	Do. ...	311 10 0	52 1 0
Receipts from Public Batteries ... ..	Do. ...	114 15 0	3 13 0
Receipts from all other sources ... ..	Do. ...	2 15 0	0 15 6
<b>Total Mining Revenue ... ..</b>		<b>1,512 3 0</b>	<b>492 14 0</b>

TABLE K.  
*Yield of Gold for Year ended 1901.*

Goldfield.	Alluvial.	Dolled and Specimens.	Tons crushed.	Return in ozs.	Total yield.		Average per ton, exclusive of Alluvial and Specimens.	
					1900.	1901.	1900.	1901.
Donnybrook ... ..	...	...	48.50	3.86	ozs. 453.10	ozs. 3.86	ozs. 1.26	ozs. .08

*Report on the Greenbushes Mining District for the year 1901.*

*To the Under Secretary for Mines, Perth.*

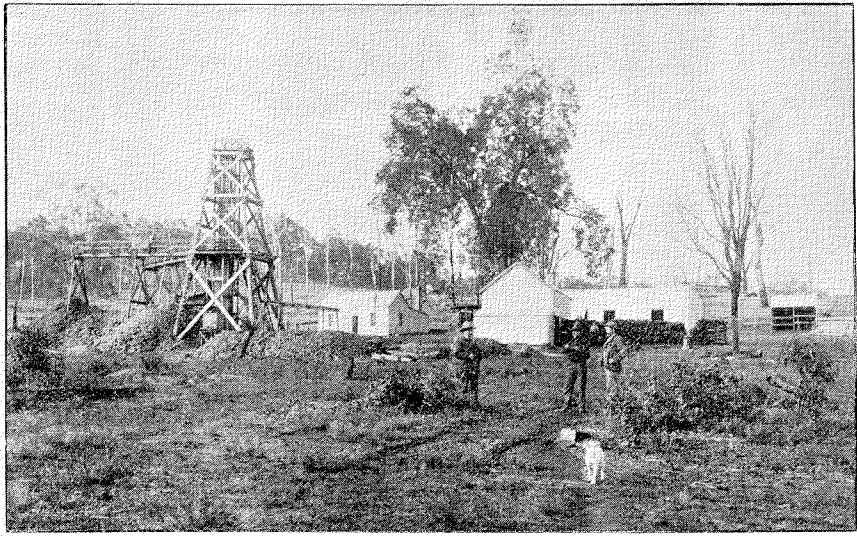
SIR,

Greenbushes, 3rd February, 1902.

I have the honour to report, for the information of the Hon. the Minister for Mines, upon the condition of this field for the year 1901.

The apparent large decrease in the number of Claims and Residence Areas during the past year is due to the fact that I resumed possession, on behalf of His Majesty, of a large number of these holdings which had been abandoned. The present figures, therefore, show the true numbers in occupation more nearly than has before been the case.

During the year the field has not made as much progress as I anticipated and wished. A large part of the field has been for many months under option to a London syndicate, in connection with one of the schemes for pumping water from the Blackwood River. During the options the ground was worked only just enough to comply with the labour conditions. Many of these options have now been abandoned owing to the failure of the promoters to float the scheme in its entirety.



Hunter's Venture Mine, Donnybrook, 1901.



Westralian Tinfields, Ltd., Hydraulic Sluicing, Greenbushes.



Ground Sluicing, Greenbushes.

The second water scheme, to which I alluded in last year's report, has a large reservoir in course of erection, and the boilers for the pumping plant are now on the way to the pumping site at the river. It is to be regretted that both these companies could not have reached a successful issue, as there is undoubtedly ample scope for the operations of both, and a knowledge of the water supply in the Blackwood for the last sixteen years enables me to say that it would have been ample for the needs of both, and several more like them.

The boring plant promised by the Government has been supplied, and has been partly used by the Miners' Association, a portion of it remaining stacked in the Court House reserve.

A tin-dressing plant has been erected on the field by the Government, but it has not yet had a sufficient trial to denote whether it will be successful in treating the different classes of ore awaiting treatment.

I note with pleasure that the mining revenue received locally is within a few pounds of the total sum received on account of the field last year. The total revenue has therefore increased, in spite of the slight decrease in the population.

I have, etc.,

W. A. G. WALTER,  
Registrar, Greenbushes Mining District.

TABLE B.

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

	Year 1900.	Year 1901.
Number of Mineral Leases applied for ... ..	61	72
Area of Mineral Leases applied for, in acres ... ..	a. r. p. 1,401 1 31	a. r. p. 1,318 0 25
Number of Mineral Leases abandoned, surrendered, or forfeited ... ..	81	24
Number of Mineral Leases refused ... ..	5	7
Number of Mineral Leases in force ... ..	51	100
Number of Water Leases in force ... ..	1 (10 acres)	2 (area 15a.)
Area of Mineral Leases in force, in acres ... ..	1,179 acres	2,259
Number of Water Rights in force ... ..	61	48
Area of Water Rights in force, in acres ... ..	14	...
Number of Lode Claims in force ... ..	5	2
Number of Alluvial Claims in force ... ..	262	59
Number of Residence Areas in force ... ..	132	56
Number of Business Areas in force ... ..	1	2
Number of Machine Areas in force ... ..	5	5
Number of Tailings Areas in force ... ..	4	5
Number of Garden Areas in force ... ..	1	1
Number of Mining Licenses issued during ... ..	330	246
Number of Business Licenses issued during ... ..	1	4

TABLE G.

*Mining Revenue 1900-1901.*

	Goldfield or Mining District.	Year 1900.	Year 1901.
Other rentals Goldfields Act ... ..	Greenbushes	£ s. d. 1 10 0	£ s. d. 0 10 0
Receipts from all other sources under Goldfields Act ... ..	Do. ...	2 1 0	...
Lease Rental under Mineral Lands Act ... ..	Do. ...	278 4 6	587 12 0
Other Rentals Mineral Lands Act ... ..	Do. ...	216 15 9	204 17 6
Receipts from all other sources under Mineral Lands Act ... ..	Do. ...	96 12 6	149 11 0
Survey Fees, Leases, Areas, etc. ... ..	Do. ...	360 10 0	356 10 0
Exemption Fees (Leases, Areas, etc.) ... ..	Do. ...	148 15 0	185 0 0
Receipts from all other sources ... ..	Do. ...	2 16 0	5 4 6
Total Mining Revenue ... ..	...	1,107 4 9	1,489 5 0

**Registrar's Report on the Northampton and Yandanooka Mining Districts.***The Under Secretary for Mines, Perth.*

SIR,

Northampton, 6th January, 1902.

I have the honour, herewith, to submit my Report for the year 1901.

I have little of a specially encouraging nature to report this year respecting the Northampton and Yandanooka Mining Districts. Still, the outlook, I am glad to say, is very much better than last year. While the mining leases taken up in the Yandanooka District during 1900 have been abandoned or forfeited, three fresh leases, containing 320 acres, have been taken up, with encouraging prospects, and ten licenses have been issued for coal prospecting in the vicinity of Mingenew. Three sites for bores have been marked out in the Northampton District by an officer of the Geological Department. It was fully expected that the drills would have been here ere this; but, probably owing to the delay in the passing of the Estimates, this necessary work has not yet been started. There can be no doubt as to the mineral-bearing properties of these two districts, and the results of the boring operations in the Northampton District must prove valuable and beneficial.

I have, etc.,

GUSTAVUS VARLEY,  
Registrar, Northampton and Yandanooka.

TABLE B.

*Application for Leases, etc., under the Mineral Lands Act.*

	Year 1900.	Year 1901.
Number of Mineral Leases applied for ... ..	5	5
Area of Mineral Leases applied for, in acres ... ..	60	338
Number of Mineral Leases abandoned, surrendered, or forfeited ... ..	24	4
Number of Mineral Leases in force ... ..	8	7*
Area of Mineral Leases in force, in acres ... ..	105	88†
Number of Protection Areas in force ... ..	...	1
Number of Mining Licenses issued during ... ..	13	12

\* Including one lease } Yandanooka.  
† " 20 acres }

TABLE G.

*Mining Revenue, 1900-1901.*

	Goldfield or Mining District.	Year 1900.	Year 1901.
Lease Rental under Mineral Lands Act ... ..	Northampton	£ s. d. 22 18 9	£ s. d. 39 1 3
Other Rentals, Mineral Lands Act ... ..	Do. ...	6 15 0	296 10 0
Receipts from all other sources under Mineral Lands Act ... ..	Do. ...	4 4 8	0 10 6
Survey Fees (Leases, Areas, etc.) ... ..	Do. ...	20 0 0	33 10 0
Exemption Fees (Leases, Areas, etc.) ... ..	Do. ...	17 10 0	...
Receipts from all other sources ... ..	Do. ...	0 12 0	0 9 0
Total Mining Revenue ... ..	...	72 0 5	370 0 9

**Report by the Superintendent of Public Batteries for the year 1901.***To the Under Secretary for Mines, Perth.*

SIR,

I have the honour to submit, for the information of the Hon. the Minister of Mines, my fourth Annual Report in connection with the work done at the Public Batteries.

In giving a *résumé* of the progress made during the year, I beg to report additional plant as follows:—

**NEW PLANT.**—Addition to the Mulline battery of 10 head of stampers and cyanide plant capable of treating 900 tons monthly. Completion of cyanide plants at Lennonville and Mount Ida, with a monthly capacity of 400 tons each.

Purchase and erection of new 10-head batteries, with all accessories, at Mulwarrie and Meekatharra, and purchase of second-hand 10-head plant at Lake Darlôt.

A plant has also been purchased for Laverton, and the erection of same is at present being arranged for.

**GENERAL REMARKS ON WORKING.**—At the beginning of the year 10 batteries were in active operation, but, owing to the lack of stone in some of the districts, it became necessary to close down Donnybrook, and temporarily suspend operations at Ravelstone, Tuckanarra, and Paynesville, crushing



only being resumed as stone accumulated in each district. This system is undoubtedly preferable to removing any battery prematurely, and prospectors should not fail to recognise the favourable view the Department is taking in encouraging them in their labours.

Besides the batteries mentioned as having failed to be kept reasonably engaged, may be mentioned Widgiemooltha. This battery gave very little promise of success since its opening, and at the present time the prospects hardly warrant the liberality shown to it.

The Norseman battery has caused a great deal of worry during the year. Although a large amount of money has been spent on this plant, in an endeavour to make it self-supporting, up to the present it has been unsuccessful.

The work done for the year at this battery shows an improvement for the past year, as, where the expenditure for the two years is about the same, the receipts show over £1,000 better; yet the working expenses, combined with the maintenance, are such that on the year's work a heavy loss is shown.

The batteries at Ravelstone, Paynesville, and Tuckanarra continued to lose on working operations while being kept open, mainly owing to the small amount of crushing forthcoming.

The Mulline battery is again the most successful for the year, whilst Ida continued working satisfactorily until the district failed in its supply of stone for treatment.

The new batteries at Mulwarrie and Meekatharra promise to prove not only a success to the Department, but a great advantage to the prospectors using them.

The Lennonville battery has not been able to hold its position for the year, as, although the return shows no loss, yet an item wrongly debited to revenue last year was transferred during the current year.

REVENUE AND EXPENDITURE.—The loss on working expenses in connection with public batteries for the year amounts to £1,983·65, being the lowest since the inception of the battery system.

The return giving the work done by the different cyanide plants shows a credit of £1,337·34 for the year. This is partly due to the Department treating several hundred tons of abandoned tailings. Taking into consideration the profit accruing from cyanide operations, the actual loss for the year only amounts to £646·31.

I do not anticipate that the battery policy can be carried out with such a slight loss unless the districts provide sufficient stone to keep the batteries engaged. At present the want of stone is severely felt at several of them.

STONE TREATED.—The quantity of stone crushed for the year amounts to 26,775 tons, being an increase in tonnage of the previous year's work of 4,341 tons, whilst the yield of gold has been 32,131ozs., or an increase of over 8,000ozs.

The total quantity of stone treated through public batteries now reaches 68,791 tons, yielding 77,533ozs., averaging 1·127oz. per ton. The value of the gold, including that recovered from cyanide, amounts to £303,437.

TIN-DRESSING PLANT.—During the year a tin-dressing plant has been erected at Greenbushes, which it is hoped will give an impetus to tin-mining in that district. At the close of the year only preliminary trials had taken place, but it is fully anticipated the plant will prove a success.

GENERAL.—Recognising the importance of the public battery system as an aid to State development and the increased work necessary for proper supervision, I am fully convinced that the appointment of a working Inspector, whose duties it would be to visit each battery as occasion requires and remain there till the cause of trouble was satisfactorily settled, would prove of immense value to the Department, and remove many causes for complaint which are always liable to occur in a widely-distributed system such as the public batteries.

DAVID H. WHITE,  
Superintendent of Public Batteries.

28th April, 1902.

#### GOVERNMENT PUBLIC BATTERIES.

*Return showing number of Tons Crushed, Gold Yield, and Average per Ton for Year ending 31st December, 1901.*

Name of Battery.	Tons Crushed.	Gold Yield.	Average.
Norseman ... ..	2,336	ozs. 2,133·83	ozs. ·91
Mulline ... ..	6,802·50	10,414·17	1·53
Lennonville ... ..	2,770	3,924·74	1·41
Leonora ... ..	2,042	2,030·02	·99
Mount Ida ... ..	3,357·50	3,086·51	·91
Niagara ... ..	2,502·25	2,850·41	1·13
Widgiemooltha ... ..	1,001	495·28	·49
Meekatharra ... ..	3,063·50	3,028·40	·98
Mulwarrie ... ..	465	964	2·07
Paynesville ... ..	712	721·45	1·01
Darlôt ... ..	819·75	1,465·40	1·78
Tuckanarra ... ..	622	645·95	1·03
Ravelstone ... ..	281·50	371·05	1·32
Total ... ..	26,775·00	32,131·21	1·20

## GOVERNMENT PUBLIC BATTERIES.

Returns showing the No. of Tons crushed, Gold Yield, and Average per Ton and Value, from Inception to 31st December, 1901.

Name of Battery.	Tons Crushed.	Gold Yield.	Average.	Value.
Norseman ... ..	6,733	5,405·43	ozs. '80	£ 20,540
Mulline ... ..	16,586·50	23,271·65	1·40	88,432
Lennonville ... ..	6,745	9,047·24	1·34	34,379
Leonora ... ..	6,949	5,660·57	'81	21,508
Mt. Ida ... ..	10,554·50	11,504·61	1·09	43,717
Niagara ... ..	2,652·25	2,967·71	1·12	11,277
Widgiemooltha ... ..	1,588	665·40	'42	2,528
Meekatharra ... ..	3,063·50	3,028·40	'99	11,506
Mulwarrie ... ..	465	964	2·07	3,663
Paynesville ... ..	1,372	1,234·55	'89	4,689
Darlôt ... ..	819·75	1,465·40	1·78	5,567
Tuckanarra ... ..	2,691	5,629·95	2·09	21,390
Ravelstone ... ..	2,352·50	2,420·05	1·02	9,196
Bulong ... ..	3,059	2,286·25	'74	8,687
Yerilla ... ..	1,719	1,188·86	'69	4,517
Donnybrook ... ..	201·50	50·77	'11	192
Yalgoo ... ..	1,240	742·45	'59	2,821
Total ... ..	68,791·50	77,533·29	1·127	294,609

## GOVERNMENT PUBLIC BATTERIES.

Expenditure from General Loan Fund for Year 1901, and from Inception of Scheme to 31st December, 1901.

Name of Battery.	Year 1901.	Amount from Inception.
Norseman ... ..	£ 2,288·34	£ 8,727·35
Mulline ... ..	3,957·08	12,333·06
Lennonville ... ..	2,572·56	8,976·65
Mt. Ida ... ..	1,572·90	10,932·42
Leonora ... ..	...	6,180·68
Niagara ... ..	694·23	2,947·03
Widgiemooltha ... ..	132·45	2,413·22
Meekatharra ... ..	3,275·72	6,683·16
Mulwarrie ... ..	6,403	6,403
Paynesville ... ..	319·62	2,752·86
Darlôt ... ..	2,184·85	2,184·85
Tuckanarra ... ..	...	6,294·25
Ravelstone ... ..	...	6,491·46
Greenbushes ... ..	2,408·88	2,408·88
Mosquito Creek ... ..	505·25	505·25
Donnybrook ... ..	23·16	1,542·16
Laverton ... ..	2,321·45	2,321·45
Head Office ... ..	11·77	248·45
Bulong ... ..	...	5,959·56
Yerilla ... ..	...	8,061·98
Yalgoo ... ..	...	4,813·40
	£28,671·28	£109,180·12
Less Cr.		
Bulong, sale of machinery ... ..	...	£80
Leonora do ... ..	...	2·50
Ravelstone, transfer from Revenue ... ..	...	34·48
Total ... ..	...	£109,063·14

THE STATE BATTERIES AND CYANIDE PLANTS.  
(Crushing Plants.)

Statement showing Transactions for the Year ending 31st December, 1901.

Goldfield.	Name of Battery.	No. of Stamps.	Quartz Crushed or Tailings treated.	Gold Yield.	Average Yield per ton.	Crushing and Cyaniding charges per ton.	Wages and Salaries.	Maintenance.	Revenue.	Expenditure.	Profit.	Loss.	Cost of Crushing.
			tons.	ozs.	ozs.	15/- to 17/-	£	£	£	£	£	£	£
Dundas	Norseman	10	2,336	2,133·88	·91	15/- to 17/-	2,590·16	1,651·10	1,920·40	3,108·30	...	1,187·90	1·33
	(Cyanide)	...	a 2,103	362·11	...	10/-	...	...	1,538	1,531·56	6·44	...	...
North Coolgardie	Mulline	20	6,802·50	10,414·17	1·53	15/-	3,159·37	2,684·95	5,248	3,206	2,042	...	·47
	(Cyanide)	...	b 4,369	1,185·47	...	10/-	...	...	5,019	4,029·95	989·05	...	...
Mount Magnet	Lennonville	10	2,770	3,924·74	1·41	15/-	1,857·80	1,056·73	2,097	2,098·40	...	1·40	·75
	(Cyanide)	...	c 2,702	500	...	10/-	...	...	2,151	1,650·15	500·85	...	...
North Coolgardie	Mount Ida	10	3,357·50	3,086·51	·91	16/-	1,781·42	1,023·84	2,900·75	2,526·25	374·50	...	·83
	(Cyanide)	...	d 360	28·43	...	10/-	...	...	120	279	...	159	...
Mount Margaret	Leonora	10	2,042	2,030·02	·99	15/-	1,017·99	539·70	1,838·45	1,557·68	280·77	...	·76
North Coolgardie	Niagara	10	2,502·25	2,850·41	1·13	15/-	1,402·44	731·75	1,976·82	2,134·15	...	157·33	·85
Coolgardie	Widgiemooltha	10	1,001	495·28	·49	15/-	960·64	596·84	822·95	1,557·45	...	734·50	1·55
Murchison	Meekatharra	10	3,063·50	3,028·40	·98	17/6 to 16/6	1,463·09	1,040	2,665·63	2,503·10	162·53	...	·81
North Coolgardie	Mulwarrie	10	465	964	2·07	15/-	15	36·64	348·85	51·60	297·25	...	·11
Mount Magnet	Paynesville	5	712	721·45	1·01	15/-	743·40	386·89	545·20	1,130·30	...	585·10	1·58
East Murchison	Darlôt	10	819·75	1,465·40	1·78	£1	418	666·86	817·75	1,084·80	...	267·05	1·32
Murchison	Tukanarra	10	622	645·95	1·03	15/-	595·70	237·40	468·55	833·10	...	364·55	1·33
Peak Hill	Bavelstone	10	281·50	371·05	1·32	£1	666·65	624·90	300·15	1,291·50	...	991·35	4·59
	Greenbushes	5	...	...	...	...	...	·67	...	·67	...	...	...
Donnybrook	Donnybrook	5	...	...	...	...	291·47	102·90	3·65	394·35	...	390·70	...
Tailings sold	...	...	...	...	...	...	...	...	161	...	161	...	...
Head Office	...	...	...	...	...	...	543·34	77·87	...	621·15	...	621·15	...
	<b>Total Batteries</b>	<b>145</b>	<b>26,775</b>	<b>32,131·21</b>	<b>1·2</b>	<b>...</b>	<b>17,506·47</b>	<b>11,459·04</b>	<b>22,115·15</b>	<b>24,098·80</b>	<b>3,318·05</b>	<b>5,301·70</b>	<b>·89</b>
	<b>Total Cyanide</b>	<b>...</b>	<b>9,534</b>	<b>2,076·01</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>8,828</b>	<b>7,490·66</b>	<b>1,496·34</b>	<b>159</b>	<b>...</b>
	<b>Grand Total</b>	<b>145</b>	<b>36,309</b>	<b>34,207·22</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>30,943·15</b>	<b>31,589·46</b>	<b>4,814·39</b>	<b>5,460·70</b>	<b>...</b>

a Norseman, Government sands treated, 827 tons.  
b Mulline do. do. do. 391 tons.  
c Lennonville do. do. do. 1,892 tons.  
d Mt. Ida do. do. do. 360 tons.

*Report by the Chief Inspector of Boilers for the Year 1901.**To the Under Secretary for Mines, Perth.*

SIR,

1. I have the honour to transmit, herewith, a Report upon the operations of the Branch for the year ending 31st December, 1901, for the information of the Hon. the Minister.

2. As will be seen from the tabulated statement (Appendix "A" attached hereto) the work of the Branch is increasing very rapidly, as there were 2,421 boilers registered on that date, or 214 more than there were on 31st December, 1900. The statement also gives the number of boilers registered and inspected, also the amount of revenue derived from each district during the period under review, together with other data of interest.

3. The amount of revenue received from proclaimed districts during the year, as furnished by the Chief Accountant, was £2,731 17s., as against £2,664 6s. 6d. for the preceding year, which shows a slight increase of £67 10s. 6d. If it were possible under existing conditions in some of the goldfields districts to keep the inspection work up to date, as it undoubtedly should be, a very considerable increase in revenue would result, but as the inspectors of boilers on all the goldfields are, with one exception, also inspectors of mines, I do not see how it is possible for these inspectors to perform the many duties attached to both Branches satisfactorily, as they are entirely dissimilar, and for that reason, combined with others, should be kept apart. The total expenditure for the year amounts to £3,662 6s. 6d., which gives a debit balance of £930 9s. 6d., which is entirely attributable to the heavy travelling expenses incurred in inspecting boilers in remote and scattered places within the proclaimed districts, which necessitates long journeys at great expense for a very little return. However, I find on looking up statistics concerning the inspection of boilers under the Inspection of Machinery Acts of New Zealand and Tasmania, which embraces inspection of machinery for which fees are charged, a debit balance is the result of the year's operations, which, I think, will also apply to the Queensland Factories and Shops Act. As both the New Zealand and Tasmanian Acts have been in operation for some years past, it can be taken for granted that the good work done in the protection of life and property fully compensates for the deficiency, seeing that the fees chargeable are prescribed by law, and the only way I can see out of the difficulty is by increasing the fees by legislation, which would probably lead to a serious out-cry by steam users.

4. The boilers registered on the 31st December, 1901 are given hereunder, on the basis of nominal horse-power, as defined in Section 14 of the Act, which can only be considered approximate on that basis:—

(a.) Boilers of 8 H.P. and under	...	...	...	...	...	733
(b.) Boilers of 15 H.P. and over 8 H.P.	...	...	...	...	...	813
(c.) Boilers over 15 H.P.	...	...	...	...	...	875
Total	...	...	...	...	...	<u>2,421</u>

5. I also attach thereto Appendix "B," classifying the various types of boilers under their respective headings, showing the number of certificates issued in addition to the nominal horse-power represented in each district, which may be of interest.

6. The total number of certificates issued were 2,083, and 2,344 inspections were made during the year, which includes inspections where boilers were temporarily condemned pending important repairs being effected, in addition to those permanently condemned as being beyond repair, as well as "working inspections," which are made without notice being given to the owner when a certificate is in force of an Inspector's intention to pay a visit whilst a boiler is under steam, the object being, to see that the safety valves are blowing off at the certified working pressure, as appearing on the existing certificate, also to ascertain that the mountings and feeding apparatus are in good working order, and that the safety of boilers is not endangered in any way through indifferent attention on the part of the owner or attendants. I find this class of inspection necessary, as it tends to keep owners up to the mark, as well as the boiler attendants in charge, and where carelessness is reported, likely to interfere with the safety of the boilers, the owner's attention is drawn to same.

7. During the period under review 102 boilers were temporarily condemned, pending important repairs being effected, such as new tube plates, uptakes, new crown plates, etc., etc., which, if the boilers had been allowed to continue working without compulsory inspection, serious accidents in all probability would have resulted. Of these, 38 were repaired satisfactorily and brought into use again. Twelve (12) boilers were permanently condemned as being beyond repair. Special attention has been given to the manner in which the repairs have been effected, and now it is generally well known amongst boiler-makers and engineering firms that only first-class work will be passed by the Inspectors, which fact is very much appreciated by the owners, who are thus protected, as the standard of workmanship has been considerably raised, consequently much better results are obtained.

8. The percentage of boilers temporarily condemned, and those permanently condemned, in relation to the number inspected, are 4.35 per cent. and 5.11 per cent. respectively, as against 5.21 per cent. and 4.98 per cent. for the preceding year.

9. You will observe on referring to Appendix "A" attached, that 1,680 boilers have been provided with the necessary fittings, in accordance with the Act, up to the 31st December, 1901, and with very few exceptions, very little difficulty is now experienced in compelling owners to comply with the sections of the Act relating to fittings; and all new boilers arriving in the State are now fitted complete. The number of boilers out of use on that date represent, approximately, 787, of which many have fittings complete, and the remainder will be attended to before they are brought into use again.

10. Only one (1) prosecution took place during the year, and that was for working a boiler above the certified working pressure allowed on the existing certificate, for which a nominal penalty was inflicted.

11. During the year, in the month of June, the principal clerk of the branch in this office was retrenched, otherwise there have been no alterations to either the technical or clerical staffs. However, I find it essential that a similar clerk should be appointed without delay, to take up the duties which have hitherto been performed by the officer retrenched, as the work is increasing so rapidly, I find that the services of one of the assistant inspectors, who is at present acting as principal clerk in the head office, is required to attend to inspection duties, in order to relieve the pressure on the two (2) inspectors in the South-Western District, as the inspection work in some parts is behindhand, which is largely due to the fact that the assistant inspector referred to above, has had to perform these duties, in place of the clerk retrenched; if he be relieved of this work, which is necessary for reasons stated above, I have no doubt it can be kept under, and I trust the Hon. the Minister will see his way clear to fill the vacancy as early as possible, provision being already made on the Estimates.

12. I have again to call attention to the fact that the inspection work on many of the goldfields districts is very much behindhand, some of the boilers having been registered for a period of two (2) years have not even been tested or inspected yet. In order to overcome this state of things, it will be necessary to make provision to relieve those inspectors who have both boilers and mines to attend to, as it has been proved by past records that these inspectors cannot perform their duties to either branches satisfactorily, as the one clashes with the other; I would, therefore, recommend for the consideration of the Hon. the Minister that provision be made as soon as possible for the appointment of practical inspectors to relieve those Inspectors of Mines who are also acting as Inspectors of Boilers, which will be more satisfactory to all concerned, and the inspection work will thus be kept up to date. The Inspector of Mines in the East Coalgardie district has already been relieved of the Inspection of Boilers by the appointment of a separate Inspector in September, 1900, with satisfactory results so far, not only to the Department, but to the steam users.

13. I am pleased to be able to report that the steam users, with a few exceptions (mostly in the agricultural districts), have shown a decided improvement in the proper maintenance and care of their boilers; also the ready assistance which they now render the inspectors in order to carry out their duties, instead of the difficulties which had to be faced at first, which are now practically removed. This enables the work to be done more smoothly, which is an advantage to all concerned. Such matters as putting a bolt into a fusible plug in lieu of the "fusible metal" which had been allowed to "run out" at some time, also putting an additional weight on the lever safety valve for the purpose of keeping the valve "tight" are becoming more rare, and have only been reported once or twice in the year.

14. There have been no explosions since the inception of the Act, and no accidents to attendants have been reported to me, arising from boilers, neither have any complaints been received from the public during the year under review, which is satisfactory.

I have, etc.,

C. J. MATHEWS,

Chief Inspector of Boilers.

3rd May, 1902.



APPENDIX "A."

Steam Boilers Act, 1897.

Statement showing operations for year ending 31st December, 1901.

DISTRICTS.	Number of Inspectors.	Total number of Boilers registered.	H.P. represented, based on grate area.	Boilers fitted in accordance with the Act.	Approximate number "Out of Use" on 31-12-1901.	Number of Boilers inspected once.	Number of additional inspections.	Total number of inspections.	Number of Boilers temporarily condemned.	Number of Boilers repaired and again in use.	Number of Boilers permanently condemned.	Total amount of Fees represented.	Total amount brought to Revenue.	REMARKS.
												£ s. d.	£ s. d.	
South Western ... ..	3	888	9,012'66	584	326	649	447	1,096	53	22	9	954 10 0	936 17 0	One Inspector acting as principal clerk and not available for Inspection duties. One Inspector is also Inspector for Dundas District.
Coolgardie and Yilgarn ... ..	2	234	3,281'69	164	83	156	82	238	10	6	1	313 0 0	317 0 0	
East Coolgardie ... ..	1	472	8,549'34	394	97	392	64	456	3	3	...	751 10 0	718 0 0	
North-East Coolgardie and Broad Arrow	1	147	2,119'06	125	51	99	19	118	4	1	1	192 10 0	202 10 0	
Murchison, Peak Hill, and Yalgoo	1	259	4,036'74	140	129	103	3	106	7	...	...	182 10 0	171 0 0	
North Coolgardie ... ..	1	161	2,340'04	117	40	112	54	166	21	5	1	184 0 0	187 10 0	
East Murchison ... ..	...	51	737'05	28	13	13	1	14	...	...	...	11 10 0	10 0 0	
Mount Margaret ... ..	1	145	2,435'22	94	40	74	8	82	3	...	...	100 0 0	101 10 0	Also is Inspector for East Murchison District. Inspector's head quarters at Coolgardie, where he is mostly occupied. District not proclaimed. Inspector not appointed.
Dundas ... ..	...	45	550'01	34	8	34	34	68	1	1	...	108 0 0	87 10 0	
Pilbarra and West Pilbarra ... ..	...	19	241'99	...	...	...	...	...	...	...	...	...	...	
GRAND TOTALS ... ..	10	2,421	33,303'80	1,680	787	1,632	712	2,344	102	38	12	2,797 10 0	2,731 17 0	

APPENDIX "B."

Return showing Classification of Boilers in each District, also Horse-power and Number of Certificates Issued for Year ending 31st December, 1901.

DISTRICTS.	Cornish.		Lancashire.		Vertical.		Portable.		Semi-Portable.		Water-Tube.		Egg-ended.		Marine Type.		Multitubular "Colonial Type."		Jackass.		Loco. Type.		Other Types not mentioned.		Total Number of Boilers.	Total Horse-Power.	Number of Certificates Issued.		
	No.	H.P.	No.	H.P.	No.	H.P.	No.	H.P.	No.	H.P.	No.	H.P.	No.	H.P.	No.	H.P.	No.	H.P.	No.	H.P.	No.	H.P.	No.	H.P.					
South Western ... ..	67	1,009'2	10	261'5	329	2,022'4	209	1,709'3	54	563'6	33	919'0	7	108'4	12	193'9	102	1,481'2	8	125'7	40	458'0	17	160'1	888	9,012'66	889		
Coolgardie and Yilgarn ... ..	92	1,610'2	7	192'7	73	615'1	14	153'5	5	66'1	2	43'7	10	126'5	...	...	27	414'4	...	...	3	34'2	1	25'0	234	3,281'69	243		
East Coolgardie ... ..	191	3,379'5	49	1,652'4	98	891'5	8	64'1	20	269'3	38	1,042'2	...	...	...	...	58	1,107'4	1	6'8	1	3'3	8	132'5	472	8,549'34	436		
North-East Coolgardie and Broad Arrow	52	926'9	6	165'0	49	431'1	7	69'5	6	113'5	...	...	3	46'0	...	...	23	352'9	1	14'0	...	...	...	...	147	2,119'06	121		
Murchison, Peak Hill, and Yalgoo	115	1,961'9	4	278'5	62	526'6	7	72'8	23	331'8	...	...	...	...	7	98'5	19	432'7	16	299'2	2	8'5	1	26'0	259	4,036'74	99		
North Coolgardie ... ..	59	1,122'1	7	211'3	62	523'6	5	51'4	6	56'5	...	...	1	10'0	...	...	17	325'8	1	18'0	3	21'1	...	...	161	2,340'04	145		
East Murchison ... ..	25	454'0	...	...	15	146'5	2	24'0	4	46'5	1	19'0	...	...	...	...	3	41'0	1	6'0	...	...	...	...	51	737'05	7		
Mt. Margaret ... ..	62	1,201'5	4	168'0	39	280'6	4	38'8	13	153'5	6	196'5	...	...	...	...	16	376'0	1	20'2	...	...	...	...	145	2,435'22	84		
Dundas ... ..	13	205'2	...	...	18	166'5	3	22'7	3	23'0	...	...	...	...	...	...	7	116'0	...	...	...	...	...	...	1	16'5	45	550'01	59
Pilbarra and West Pilbarra ... ..	2	58'5	...	...	2	6'4	2	22'5	2	40'0	...	...	...	...	...	...	6	89'5	1	15'0	...	...	4	10'0	19	241'99	Nil		
GRAND TOTALS ... ..	678	11,929'4	90	2,929'5	747	5,610'8	261	2,228'7	136	1,663'9	80	2,220'4	21	290'9	19	292'4	278	4,737'2	30	505'0	49	525'1	32	370'1	2,421	33,303'80	2,083		

*Report by the Chairman Board of Examiners of Engine-drivers for year 1901.*

*To the Under Secretary for Mines, Perth.*

SIR,

1. I have the honour to submit, herewith, for the information of the Hon. the Minister, my Annual Report, as requested, on the work done by the Engine-drivers' Examining Boards, appointed under the Mines Regulation Act of 1895 and Amendments, in the Eastern Goldfields Districts and South-Western portion of the State, to which I was appointed Chairman at the latter end of 1900, with the object of establishing, as near as possible, a uniform standard of conducting these examinations at the different centres.

2. The task was a somewhat difficult one and involved a considerable amount of work, as it was discovered that the several boards were conducting the examinations, not knowingly, on different lines and standards, which were neither satisfactory to candidates or to the mine managers and others who were employing them.

3. However, through the valuable assistance rendered by the members of the various boards, who readily recognised the necessity of establishing a system on a basis resembling uniformity, which has now been fairly well established from Collie to Laverton; that is to say, as far as it is practicable to do when a number of boards exist, as I am of opinion that an absolute uniform standard can only be inaugurated by the appointment of a Travelling Board of Examiners, which has already been tried in this State, and, I believe, was found to be too expensive. However, judging by the fact that no complaints have been received, I think it can be taken that the work of the boards mentioned herein has given general satisfaction.

4. The system adopted in New Zealand consists of one (1) Central Board of Examiners, with thoroughly qualified supervisors, who conduct the examinations at the chief centres under the direction of the Board of Examiners, who define the "Standard of Examinations" for the different classes of certificates. This system, as far as I could learn, is giving satisfactory results, in addition to being an economical one, as the fees collected contribute a fair revenue over and above the expenses connected therewith, and is one well worth serious consideration as to whether it is applicable to this State or not.

5. The uniform method of keeping complete records, including the minutes of proceedings of the meetings held by the various boards in the districts named herein (paragraph 1), has been established, and the possibility of a "failed" candidate presenting himself before any board, prior to the time having expired as prescribed in the Regulations, about which hitherto many complaints were received, is now a thing of the past.

6. The examinations are conducted on practical lines, the questions given are on every-day work and duties in connection with the different types of boilers, engines, and pumps, in addition to practical emergency questions, a record being kept of each candidate's work in case it should be required for reference. It has been found necessary to raise the "Standard" slightly, in order that the drivers who pass will be thoroughly conversant (as far as examination goes) and understand how to manipulate the high-class machinery now erected on the goldfields.

7. I think the time has now arrived when a *universal standard* of examination for engine-drivers should be adopted throughout the several States of Australasia, in order that the certificates according to their classes would, under certain conditions, be reciprocal or recognised by any Board of Examiners (when an engine-driver travels from one State to another), which is not the case at present; and which is largely owing to the different "Standards" and methods of conducting examinations in the States, where examinations are compulsory, which would be more satisfactory and would do away with any possible hardship to experienced drivers who may have to undergo another examination in the new State to which he has recently migrated, in order to comply with the provisions of the Mining Act affecting engine-drivers.

8. During the year it was considered desirable to abolish the Kanowna Examining Board (owing to existing railway facilities), with a view of reducing the number of boards where possible, Kanowna being connected by rail with Kalgoorlie no inconvenience will be experienced by candidates.

9. I have not attached any statistics concerning examinations, as I understand it is your intention to embody them in your General Report.

10. In conclusion, I wish to place on record my sincere thanks to the members of the Examining Boards who have been associated with me, for their cordial and valuable assistance which they have at all times rendered during the year.

I have, etc.,

C. J. MATHEWS,  
Chairman, Board of Examiners.

2nd May, 1902.

**Report by Inspector of Mines for the Broad Arrow and North-East Coolgardie Goldfields for the year 1901.**

To the Under Secretary for Mines, Perth.

SIR,

I have the honour to submit, for the information of the Honourable the Minister, my Report for the year ending December 31, 1901.

On five different occasions during the year I visited Broad Arrow goldfield, when each mine was carefully inspected, and each boiler that was due was also inspected. On two other occasions I found it necessary for me to visit Broad Arrow for the purpose of taking proceedings against uncertificated engine-drivers, also against managers for employing same. At your request a special visit was made to Black Hill during the year.

ACCIDENTS.

I am pleased to be able to say that during the year under review there were not nearly so many accidents as in the previous years. On the Broad Arrow goldfield three accidents occurred, of which one was fatal; and on the North-East Coolgardie Goldfield three, of which none were fatal. In the latter field one man had his arm broken owing to his allowing it to project when the cage was in motion. In another case a man broke his leg through the collapse of the temporary platform on which he was standing trimming down a shaft; while in the third case a man struck himself in the eye with a pick.

MINES INSPECTED.

During the year, on Broad Arrow goldfield, I have made 67 inspections of mines and 14 inspections of goldmining and other leases; while on the North-East Coolgardie goldfield I have made 168 inspections of mines, 95 inspections of alluvial and other claims on the leads, and 30 leases.

BOILERS INSPECTED.

During the year I inspected, and in most cases tested, 63 boilers on the Broad Arrow goldfield, of which I have condemned one temporarily and one permanently.

On the North-East Coolgardie field I have made 52 boiler inspections, and temporarily condemned one boiler and permanently condemned a second.

I must say that as a whole the boilers on each of these fields are well cared for. In most cases condensed water is being used, and there is not a boiler being worked on either of these fields that is not fitted in accordance with the requirements of the Steam Boilers Act.

EXAMINATION OF ENGINE-DRIVERS.

During the year only two examinations were held, when sixty candidates presented themselves for examination, 16 obtained second-class certificates of competency, 5 obtained first-class certificates of competency, 7 were granted learners' permits, and the remaining 32 failed to pass.

BROAD ARROW GOLDFIELD.

The prospects of this field are not so bright as I would wish, partly owing to the big mine, Paddington Consols, being under exemption during the last 10 months, owing to reconstruction of the company.

*Golden Arrow Gold Mine.*—During the year the main shaft has been put down another 200 feet. At the 600-foot level a cross-cut has been put in, and the lode, which is very promising, struck. The shaft is now 700 feet deep.

*Half-mile Reef Mine.*—Here, during last year, six cyanide vats have been erected.

*Zoroastrian Gold Mine.*—Here a considerable amount of development work has been done, and during the year a 10-head battery has been erected.

NORTH-EAST COOLGARDIE GOLDFIELD.

*Kanowna.*—On the lead there are at present from 30 to 35 claims being worked, and employing some 80 or 90 men. Until very lately I had frequently to point out, and in some cases instruct the owner, that no further work must be done until the mine was timbered; but at the present time I am pleased to say each one is in good working order.

*The Six-Mile.*—Here there are a number of claims being worked, in most instances by the prospectors, and from which during the last 10 months good gold has been won, and they still continue to produce good payable ore.

*Ballagundi.*—In this district there are a number of claims being worked, from which good gold has and is still being won, but owing to the shortness of water all the ore has to be taken to the Boulder for treatment, which is a serious drawback to the district.

*Camelia Gold Mines.*—Here they have erected a winding engine, and are about to erect a battery, which will be a great boon to the district, as around here there are some four or five mines which are producing some good payable stone.

*Kurnalpi.*—In this district mining is almost at a standstill, the Jubilee mine appears to be the only one which is progressing favourably.

*Bulong Oversight Lead.*—Here five or six claims are being worked by the prospectors, and from which good gold has been and is still being won.

*Queen Margaret Mine.*—The main shaft is down over 600 feet, and from that level a winze is being sunk, and is at present 80 feet deep. In addition to the 20-head battery already erected they are now erecting another 10-head.

*White Feather Main Reef.*—The main shaft is now about 617 feet deep. At the 600-foot level a cross-cut has been driven to the lode, which they are now following.

*White Feather Reward Mine.*—They are at present sinking a main shaft on this mine. It is now down 300 feet.

*North White Feather Mine.*—During the last 12 months a lot of development work has been done, and the 20-head battery is now at work on payable ore.

*Lily Australis Gold Mine.*—At present sinking a new main shaft, which is now down about 70 feet.

*Champion Lode Gold Mine.*—The main shaft is now down 200 feet, and they are at present erecting a 10-head battery.

There are also a number of other mines in this district, which are beginning to open up more favourably to the owners, and I am of opinion that in my next report I shall be able to show a greater progress in all matters pertaining to the welfare of this goldfield.

I have, etc.,

GEORGE JENKYN,

Inspector of Mines,

Broad Arrow and North-East Coolgardie.

January 15, 1902.

### *Report of the Inspector of Mines on the Central Goldfields for the Year 1901.*

*To the Under Secretary for Mines, Perth.*

SIR,

Cue, 30th April, 1902.

I have the honour to submit, for the information of the Hon. the Minister for Mines, my fifth, Annual Report on the administration and working on the Central Goldfields of the Mines Regulation Act, 1895, and its amendments.

In furnishing these reports it has been my endeavour to show how extremely necessary it is for every one connected with the industry to assist, by discipline and otherwise, the intentions of the Act, in trying to avoid injury to life and limb; but I regret to say the list of accidents this year is a long one.

Avoidable accidents will continue to occur as long as miners and others take risks with impunity, and thus the efforts of an Inspector are in a large measure nullified.

The general public, who have a very meagre knowledge of mining, may say, "What is the Inspector of Mines doing?" not knowing that in all probability the Inspector has insisted upon every thing that the Act requires.

In reading the list of accidents it would be well to remember there are no large accidents, that the number involved is in every case only one; that is to say, one life has been risked at a time, and this is the one redeeming point in connection therewith. I can only add that every effort is being made to minimise the risks that every man employed in a mine runs whilst pursuing his daily avocation.

*Accidents.*—There have been 11 fatal accidents during the year—3 on the Peak Hill, and 8 on the Murchison Goldfields. Several of them were on small shows, in isolated portions of this large district.

At the different inquests held, on every occasion a verdict of accidental death was returned.

In the non-fatal accidents, numbering 19, the one to A. and J. Lynes, at the Long Reef Mine Lennonville, on the 10th April, calls for special mention, when one considers the miraculous escape those two miners had. Thirty-five plugs of dynamite, in seven holes, exploded, with these two men standing in the cage at the bottom of the shaft, and it was a most marvellous thing that they were not asphyxiated by the nitric-oxide fumes; and further, on being pulled to the surface, one of the men wanted to return and fire one of the holes that had missed.

A considerable number of these non-fatal accidents were very slight, and, really, some of them could scarcely be classed as accidents.

The following is a brief summary:—Fatal, 11; non-fatal, serious, 12; not serious, 7.

*Safety Appliances.*—Safety cages and safety detaching hooks and winding indicators are insisted upon in every working shaft where practicable; in fact, the Great Fingall Consolidated are now sinking with a safety cage in their new Day Dawn shaft. The cage is tested every month, and the hook specially overhauled, as also the rope and chains.

*Ropes and Chains.*—These have received a considerable amount of attention from me this year, and I am pleased to report that no accident has occurred through one breaking during the year; but the corrosive nature of the water requires that constant attention on the part of the mine manager is necessary to keep the ropes in good order.

*Plans.*—In compliance with Sections 31 and 32, plans on most of the large mines (where a qualified surveyor is employed) are up to date and all that could be desired, but on some of the smaller mines they are not all that could be desired.

*Ambulances.*—It would be wise for the Department to insist, under the special regulations, that requirements of the nature of stretchers, splints, bandages, etc., should be always in readiness on any mine employing a certain number of men.

*Engine-drivers.*—Examinations of engine-drivers have been held twice during the year at each of the following centres, viz., Cue, Mount Magnet, and Field's Find; and once each at Peak Hill and Wiluna.

The regulations for the issue of engine-drivers' certificates have worked well during the year, and the practical test that every driver has to pass, together with the *viva voce* examination, has in a large measure brought the examinations up to a high standard, and given complete satisfaction to all parties on these fields.

Two prosecutions were undertaken during the year for the non-employment of certificated drivers. In one case a fine of £5 was inflicted, and the other case was dismissed through a technicality.

The following is a list of certificates issued:—

						Fees received.		
						£	s.	d.
14	First Certificates of Competency	...	...	...	...	21	0	0
42	Second Certificates of Competency	...	...	...	...	63	0	0
2	First Certificates of Service	...	...	...	...	3	0	0
41	Learners' Permits	...	...	...	...	10	5	0
6	Interim Certificates *	...	...	...	...	1	10	0
6	Copies (in lieu of lost certificates)	...	...	...	...	1	10	0
58	Candidates failed, fees paid	...	...	...	...	29	0	0
						<hr/>		
						£129	5	0

*Mining generally.*—The Murchison, North Murchison, and East Murchison are slowly forcing their way to the front. Sound development has taken place during the year, and everything looks most promising for the future.

The Cue and Day Dawn districts have continued to improve, and the wonderful development in the Great Fingall mine has worked wonders in the direction of restoring confidence to the investing public.

On all sides an increased output has been the result of the year under review.

*Boilers.*—During the year I have acted as Inspector of Boilers for the Central Goldfields, and during the past five years 1,654 internal and external inspections, and 700 hydraulic tests, have been made.

						£	s.	d.
101	Boilers were tested, and fees collected	...	...	...	...	160	0	0

I have, etc.,

W. F. GREENARD,

Inspector of Mines.

\* One Interim Certificate not reported till 22nd April, 1902.—Statist.

**Report by Inspector of Mines for the Collie River Mining District and Donnybrook Goldfield for the year 1901.**

To the Under Secretary for Mines, Perth.

SIR,

Collie, 2nd January, 1902.

I have the honour to submit my Annual Report for the year 1901, for the information of the Honourable the Minister of Mines.

**COLLIE COALFIELD.**

The output of coal from the field totalled 117,835·80 tons, being a slight decrease on the output for the previous year. This is no doubt disappointing as the development of the collieries justified the hope that the output would exceed that of any previous year. Several reasons can be given for the falling off, viz., the shortage of railway trucks; the decreased amount purchased by the Railway Department; the stoppage of work at all the collieries from January 8th to February 15th, owing to the wages dispute; the stoppage of work at the Wallsend Colliery from October 7th to November 6th, owing to the pumping plant failing to cope with the water; the railway strike in July, which laid the mines idle for six days; and the cessation of mining operations at the West Australian Collieries Company's Moira Colliery in October, owing to the work proving unprofitable.

Six accidents occurred during the year, resulting in injuries to seven men, none of which were attended with fatal consequences.

On July 20th, at 6.30 a.m., the underground workings of the Wallsend Colliery were discovered by the deputy to be on fire. With a view of preventing the fire from spreading throughout the workings, and finally extinguishing it by cutting off the supply of air, it was decided to seal up with masonry the larger portion of the workings. This work was completed early on the morning of the 21st July, but on the workings being re-opened on the 29th July, the fire was found to be still burning. The workings were again sealed and not re-opened until December 1st, when the fire was found to be extinguished. Fortunately no accident occurred either in the exploratory work necessary to locate the seat of the fire and seal the workings, or in the subsequent operations necessary before the sealed part of the mine was again in work, although workings totalling over one mile in length, with an area of over one million cubic feet, were filled with foul air, which would extinguish all lights instantly. This to some extent must be attributed to the extreme care exercised by those in charge of the operations. The origin of the fire is not known, and no inquiry was held by the Registrar, as there is no provision in the Act for the Registrar to hold an inquiry into any accident unless it is attended with serious injury to some person.

Proceedings were taken against one underground manager and one certificated engine-driver for infringements of the special rules, convictions being obtained in both cases.

The ventilation of the mines has been fairly good, more especially during the latter part of the year. The introduction of a ventilating fan at the Wallsend Colliery, which is now being erected, is an important feature in the progress of the coal-mining industry on this field, as the increased amount of air which will be circulated through the mine at a greatly reduced cost will be a great improvement on the obsolete method of furnace ventilation.

Prospecting work has been done during the last three months by the West Australian Collieries Company on Leases 70, 82, and 105 with the Calyx diamond drill and hand drills, but so far without much success.

#### DONNYBROOK GOLDFIELD.

It was not until November 8th that I was gazetted Inspector of Mines for this district, and since then the work on the field has been chiefly development work, particularly the sinking of the main shaft on the Hunter's Venture Lease from the 100 to the 300-foot level, where it is intended to cross-cut to the lode.

The mines are well ventilated by natural ventilation, and in one instance assisted by the exhaust from a steam pump.

One accident occurred during the year, attended with fatal results, to the underground manager of the "Donnybrook Goldfields Limited." This accident, however, was previous to the application of the Mines Regulation Act to the field, and also to my appointment as Inspector for the district.

I have, etc.,

T. D. BRIGGS,

Inspector of Mines,  
Collie River Mining District and Donnybrook Goldfield.

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#### *Report by the Inspector of Mines for the Coolgardie and Yilgarn Goldfield.*

*To the Under Secretary for Mines, Perth.*

SIR,

I have the honour to report that during the year 1901, the work of mines and of boiler inspection was uninterruptedly carried on, either by means of the joint action of myself and my colleague, Inspector Deeble, or otherwise by Inspector Deeble, acting alone, during my frequent absences upon departmental business elsewhere. In conjunction with the Acting Government Geologist, a general inspection of the Northampton metalliferous field was made, and also an inspection of the Mount Magnet auriferous district. An extended series of mine inspections at the Boulder and Kalgoorlie districts was carried out, and Leonora was also visited.

Three visits for the purpose of mine and boiler inspections were likewise made to the Yilgarn goldfield, and one board meeting at Southern Cross, for the granting of engine-drivers' certificates, was also attended.

Three mining accidents occurred within the Yilgarn goldfield during the 12 months.

With regard to the Coolgardie goldfield, among the most marked and satisfactory features in connection with the mining industry, were the continued prosperous developments at the "Lord Bobs" centre; and, elsewhere, the increased activity that was displayed by small syndicates, co-operative parties, and tributers, in the matter of re-working mines and claims that had previously been shut down or abandoned.



Attention must also be directed to the introduction of a sluicing-plant for the treatment of the shallow alluvial ground that lies adjacent to the city of Coolgardie, and that was originally dealt with by the dry-blowers. In this connection it is satisfactory to note that the persons interested have apparently been so far satisfied with the result of their operations that it has become their intention to provide a much larger pump and more complete appliances than those that they have been making use of hitherto.

The Board of Examiners for engine-drivers' certificates sat at Coolgardie upon three separate occasions.

In the course of the 12 months, 20 accidents that happened at mines situated within the Coolgardie field were duly investigated and reported to the Department at Perth. Three of the said accidents were fatal ones, one of them having occurred "on surface," one having been caused by a "fall of ground," and the third by the fall of some timber that was being lowered in a shaft by means of a sling. Of the remaining accidents, three happened on surface, and of those that took place underground, the majority resulted in cuts and bruises. Fractures occurred in three cases only. No accident resulting from the use of explosives had to be reported to the Department at Perth.

I have, etc.,

GEO. LIGHTLY,

Inspector of Mines, Coolgardie and Yilgarn.

Coolgardie, 18th February, 1902.

*Report of the Assistant Inspector of Mines, Coolgardie Goldfield.*

*To the Under Secretary for Mines, Perth.*

SIR,

Coolgardie, 10th January, 1902.

I have the honour to Report for year ending 31st December, 1901, for the information of the Hon. the Minister, the following:—

When I wrote my last annual report I was of opinion that Coolgardie would show up better during the year; but, owing to the scarcity of water for boiler and battery purposes, this goldfield has been greatly handicapped.

The mines at Burbanks have every appearance of again bringing Coolgardie to the fore, and if the two leading mines now being worked there continue their output, as they give every promise of doing, more attention will soon be directed to this part.

About four miles West of Burbanks, and nine miles South of Coolgardie, is situated what is known as the "Lord Bobs" group. These mines have given some good returns from crushings, and give every promise of doing so; but owing to there being no water available for crushing purposes, they have not the advantages of others more favourably situated.

I am pleased to report that Bonnie Vale mines have improved and promise well for the coming year.

The outlying parts of this district are very quiet. In some cases mines have had to be shut down on account of the shortage of water.

During the year I have made 99 mining inspections. In the majority of mines I found them safe and in good order, and when there have been any defects I have found it has only been necessary to point them out to the managers, when they have at once made the alterations desired.

The ventilation is all that can be reasonably expected, and as the mines at present are not very deep, there is practically no bad air difficulty to contend with in this district. The air in some cases becomes vitiated through the explosive used burning instead of exploding; but this, I consider, can oft times be remedied by using stronger caps. Three men in this district were overcome by fumes, but only suffered temporary inconvenience, and were at work the following shift.

Safety appliances are fitted to all cages where men are lowered or raised, and the code of signals under the Mines Regulations Act has been adopted in all the mines, which will tend to minimise the chances of accidents occurring.

*Boilers.*—I have made 221 tests and inspections during the year, and although salt water has had to be used on several mines where previously fresh water was in use, the boilers have been, on the whole, in good working order, and the Steam Boilers Act complied with.

I have, etc.,

W. M. DEEBLE,

Assistant Inspector of Mines.

*Report by the Inspector of Mines on the Dundas Goldfield.**To the Under Secretary for Mines, Perth.*

SIR,

Coolgardie, 28th January, 1902.

I have the honour to submit, for the information of the Hon. the Minister for Mines, my Annual Report on the Dundas Goldfield.

During the year I have made three visits to the Dundas Goldfield, and I am pleased to report that the Mines Regulations Act and amendments have been carried out in the leading mines, and additional appliances used in some cases to ensure the safety of workmen that are not mentioned in the Act. The chief transgressors of the Regulations are the prospectors working small shows, but I have always found them ready to comply with instructions given.

The leading mine for several years in Norseman was the Norseman G.M., which employed a large number of men, but during the latter part of the year this has been shut down.

The Princess Royal District is now the leading part of the Dundas Goldfield, and the developments in the mines indicate that the returns will continue to keep up for some time to come, on what is now in sight. The deep alluvial mines have not turned out up to expectations, and now very little practical work is being done.

Mining at Buldania, Dundas, and Peninsula is very quiet at present—only one mine and a few prospectors in each place.

*Accidents.*—There have been three accidents during the year, but in each case, I learn, the sufferer is again at work. In the first, three men were overcome by fumes from explosives fired four hours before in the bottom of a shaft. I am of opinion this was due to inferior explosive, and that the gelignite burned instead of exploding. There should be some provision made in the Mines Regulations to prevent nitro-glycerine compounds being used after they have been in stock over two years. After that period they become injurious, if not dangerous.

*Boilers.*—There have been 71 tests and inspections made during the year; and, taking into consideration the bad water that is used in this district, I found the boilers have been well looked after.

*Engine-drivers.*—Three examinations have been held, and 43 candidates examined, with the following results:—

First Class Competency ... ..	5
Second Class Competency ... ..	9
First Class Service ... ..	2
Second Class Service ... ..	1
Learners' Permits ... ..	11

One First and one Second Class Interim certificate and one copy were also issued.

In conclusion, I consider the examinations, as now held, tend each year to make it more difficult for a candidate to pass, while, at the same time, there is not sufficient practical test.

I have, etc.,

W. M. DEEBLE,

Inspector of Mines.

*Report by the Inspector of Mines on the East Coolgardie Goldfield.**To the Under Secretary for Mines, Perth.*

SIR,

Kalgoorlie, 30th April, 1902.

I have the honour to submit, for the information of the Honourable the Minister for Mines, my fourth Annual Report upon the administration of the Mines Regulations Act on the East Coolgardie Goldfield during the 12 months ending 31st December, 1901, and other matters of interest that have come under my notice.

During the period under review, all the mines in which any work has been carried on at all have been inspected as often as was deemed necessary, and consistent with proper supervision. It would be difficult to lay down any hard-and-fast rules or methods for carrying out systematic inspections. The obstacle to such is the fact that of the great number of mines on the field probably only 20 require frequent attention, whilst of this number eight or ten only require almost constant inspection. On the remaining majority so little and unimportant work is done, that a visit once in six weeks, or a month, is quite sufficient; whereas on some of the larger mines the nature of work that may be in hand during one month may require more than one visit per week, e.g., "work of stripping a shaft," "operations in dangerous ground," "the erection of a quantity of machinery," etc., etc.; and during the next month or more everything will be running along smoothly and normally. So I have arrived at the conclusion, after several years' experience, that the condition of the mines, and the nature of the work in progress for the time being, must always regulate the periods for, and the time occupied in, inspection work, which, with other duties that I have to attend to, keeps me fully employed.

*Accidents.*—As would be expected in such a busy mining centre where such a large number of workers (averaging 6,313 men for the year) is employed, both below and above ground, day after day, accidents have occurred as follow :—

TABLE I.

Explosives.	Falls of Ground.	In Shafts.	Miscellaneous Underground.	On Surface.	Total.
8	5	11	7	13	44

But I am pleased to state that, notwithstanding the great amount of local adverse criticism regarding the safety of the mines, and the alleged appalling number of accidents that take place, etc., the number of fatalities has been less during the year than the two preceding years, and the number of accidents is appreciably less than last year, as the following comparative table will show :—

TABLE II.

1899.			1900.			1901.		
Number of Accidents.	Number Fatal.	Percentage of Accidents to men employed.	Number of Accidents.	Number Fatal.	Percentage of Accidents to men employed.	Number of Accidents.	Number Fatal.	Percentage of Accidents to men employed.
40	14	·78	52	14	·88	44	11	·70

I venture to affirm that this result is by no means abnormal, and will compare more than favourably with any other part of the State.

*Explosives.*—It will be observed that there has been an unusual number of accidents under the heading of explosives. This, however, is not due to any neglect in storing, or to defective material; but is mainly owing to careless use at times in charging holes, and at other times when holes have been charged. It certainly goes to confirm what I have endeavoured for so long to induce the mine managers to adopt, viz., the firing of charges by electricity. I have even gone so far as to obtain costs, etc., of installing and running the system, for the benefit of the managers. I am sure that if the thing were made compulsory, life and limbs that are at present lost would to a certain extent be saved. Otherwise due care is exercised with this dangerous article.

*Timbering.*—The underground workings are safely and securely timbered generally, and persistent attention is paid by me in this direction. It should confirm my remarks to point out that, in the mines hereunder referred to, as regards developments (see Table 3), where over five and a quarter miles of driving, sinking, etc., have been done, and where timber has been required and placed almost throughout, no serious accident has taken place which could be attributed to faulty timber or to the absence of such.

*Safety Cages and Detach Hooks.*—I am pleased to report that, where possible and practicable, cages in winding shafts are fitted with some kind of safety appliance and detach hook throughout the field, all of which, more or less, answer the purpose for which they are designed. I find that the trouble is not so much in getting them provided, as it is having them properly cared for when they are provided. It does not matter how effective the appliance might be, or how severe the test it may be subjected to, it is a fact that unless they are periodically tested (at short intervals) and kept in good working order, they will generally fail to act when most needed. As mentioned in my last report, I should like to see further provision made in the Act for inquiring into the relative merits of the different appliances in use than is the case at present; and if necessary, where a cage after being some time in use is found to be fitted with a doubtful appliance, power may be given inspectors to condemn such, as not being a safety-cage. No accidents have occurred in this particular direction, but this cannot be a guarantee that such will not occur.

*Mining.*—Mining generally is much about the same as last reported. The treatment of the refractory ores has been successfully carried on during the year, and if there be any change I think it will only be to adopt the most economical method.

To give some idea of the amount of development work that has been carried out in some of the larger mines during the year, I have obtained some figures from the managers, indicating the amount of work in feet in cutting up the mines referred to. They are as follow :—

TABLE III.

Mine.	Driving Levels.	Winzes, Rises, and Shaft Sinking.	Crosscutting.	Total Feet.
Ivanhoe ... ..	4,960	2,794	1,070	8,824
Great Boulder ... ..	2,701	1,475	570	4,746
Main Reef ... ..	1,497	809	1,367	3,673
Associated ... ..	4,788	1,800	3,229	9,817
Grand Total ... ..				27,060

In addition to the above, 10,419 feet of ground has been prospected in two of the above mines—viz., Great Boulder and Associated—by means of diamond drilling. This method of prospecting saves a good deal of expense, as compared with the old method of crosscutting. Shaft-sinking is also being steadily carried on, there now being no less than 17 mines in which a depth of 800ft. and over has been reached, as follows:—Great Boulder 1,500ft.; Lake View Consols, Orotava, Lake View South, Great Boulder

Main Reef, Chaffers, Kalgurli, Brookman's Boulder, North Kalgurli, each 1,000ft.; Great Boulder Perseverance, Horseshoe, Kalgurli Consols, Ivanhoe South Extended, each 900ft.; South Kalgurli, 850ft.; Ivanhoe, Hannans Star, and Eclipse, each 800ft.

*Ventilation.*—Ventilation is all that could be desired, excepting only those cases where time has not permitted the sinking of winzes; and even in these cases sufficient air can always be drawn from the compressor for the purpose of clearing out blasting fumes and foul air.

*Machinery.*—Nearly all the mines have a sufficient and capable staff of engineers and fitters, and I am pleased to state that I am not very much taxed as regards machinery, more than to see that working parts are properly guarded and fenced off in accordance with the Act.

*Sunday Labour in Mines.*—The Sunday Labour in Mines Act, as administered by me, seems to have been responsible for a certain amount of friction between the miners and mine managers. I think there has really been no need for half that has been said and written on the matter. I felt perfectly satisfied that it would be only a matter of time, when the Act would be so observed as to suit all reasonable persons. But, of course, there are always some so impatient and eager to force matters, where a little tact would do all that was necessary, that they would, unless in a manner restrained, stifle the craft by which they exist. However, I can assure you, as previously done when reporting specially on the matter, that at no time since the Act came into force has a permit to work been issued by me if any doubt existed as to whether the work could not be carried out during the week. I have not the slightest hesitation in stating that unnecessary work has been carried on at some of the mines; but such has been done without obtaining any permission from me, and was a matter that should have been attended to by the police. There also seems to have been a hazy idea only as to what department was really responsible for seeing that the provisions of the Act were observed.

I have, etc.,

F. J. LANDER,

Inspector of Mines.

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***Report by the Inspector of Mines on the Mount Margaret Goldfield.***

*To the Under Secretary for Mines, Perth.*

SIR,

Malcolm, 20th February, 1902.

I beg to present my Annual Report, for the information of the Honourable the Minister.

During the past year very rapid progress has been made on the Mount Margaret Goldfield, and on that portion of the East Murchison Goldfield which is comprised within my district. Two items alone may be cited as evidence of this fact, viz., an additional 125 head of stamps have been dropped since December, 1900, and an increase of 500 men engaged in mining.

The majority of the mines are looking well, and improving as depth is being attained.

The prospects of the fields never looked brighter than at present. The extension of the railway to Malcolm and Leonora will be appreciated by more than these two centres, reducing, as it will do, the cost of much that is connected with mining, with the result that general benefit will be felt by the industry throughout the Mount Margaret field, varying, of course, in degree.

At present there are 53 mines carrying on active operations, 18 of which are in the East Murchison Goldfield.

The veins on these fields trend chiefly N.N.W. and S.S.E. or N. and S., with Easterly dip. Of these veins there are two kinds, viz., the simple quartz veins, the only essential gangue of which is quartz, and the compound or complex veins locally termed "lode formations," the filling of which consists of more or less decomposed country rock, intersected by numerous quartz veinlets or stringers.

The quartz of the simple veins is either white, grey, brown, yellowish, or dark almost to blackness, in colour, and is often cellular or "drusy."

The compound veins vary in thickness from 3 feet to 30 feet or more. With few exceptions, they have as yet only been explored in the oxidised zone. They are filled partly with red, brown, or yellow ferruginous clayey stone, and partly with yellowish kaolin. In some cases only the footwalls of these lodes are defined; on the hanging wall the filling gradually merges into country rock. "Slickensides" are frequent in the foot and hanging walls and in the lode itself. The quartz veins proper are for the most part easily traceable at the surface by conspicuous outcrops or their *débris*, but the compound veins only offer some indication in the iron-stained ground.

In the yellow or grey quartz veins the gold is finely disseminated throughout, and is not only found in the stringers of the compound veins, but also in the filling mass, where it has been found in some instances to average from 1oz. to 2ozs. per ton.

Usually the gold is in a very fine state of division and cannot be seen; but visible gold, however, is often met with as a fine powder or in specks.

The associated minerals met with in the lower pyritic zone of the lodes are iron pyrites, and here and there a little galena. Recently telluride of gold has been met with in the Augusta Gold Mine, near Laverton.

The depth of the oxidised zone varies very slightly on these fields; for instance, in the Lawlers district it averages from 50 feet to 90 feet, and in the Malcolm district from 70 feet to 100 feet. The country is usually decomposed to the same depth as the veins.

As to question of value in depth below the oxidised zone, the Sons of Gwalia G.M. may be quoted as an instance of compound veins maintaining their value in the pyritic zone; and with regard to these lodes, in my opinion, there is geologically nothing to prevent them going to a very great depth.

I am of opinion no better policy could have been adopted by the Government for the encouragement of prospecting and assisting in the advancement of the mining industry on these fields than that of erecting batteries in promising localities. The importance of such a policy cannot be over-estimated though it may be some time before its value actually appears. Gold-mining is an industry which persistently draws upon its reserves, and no mining centre can live on its past, no matter how prosperous, that may have been. New deposits must be sought to balance the exhaust of the old and to provide scope for still greater expansion.

Prospecting work is still steadily going on in the localities around the erected Government batteries, and also where they are in course of erection, with the result that some promising deposits have recently been discovered.

The following is a summary of my work for 1901, to complete which necessitated my travelling a distance of 3,540 miles:—

Inspection of Mines	...	...	...	...	...	...	146
Inspection of Boilers	...	...	...	...	...	...	93

#### ACCIDENTS.

The greatest element of danger to which the miner is exposed seems to be his habit of procrastination. He is aware that a stone or bad roof needs securing, but he has yet to learn *the need is now*. Accidents would also be reduced considerably if the mine officials gave their prompt attention to places that are likely to become bad or dangerous, and instruct the men in reference to properly timbering those places, and seeing that the work is done at once to secure the ground, or else compel the miners to leave such places until security is assured. From observations made during my inspections for report on almost every accident on these fields, I am impelled to say that a large percentage of these accidents were caused by lack of care or of experience on the parts of the unfortunate victims.

The mining industry on these fields has advanced to a point when, I consider, only duly qualified men should have charge of mines. With such men, compelled by legislative enactment to hold credentials of competency, the death rate from mining accidents, I feel sure, would be greatly reduced. If an unskilled man obtains employment as underground manager, shift boss, or miner on a mine managed by one who has little or no actual knowledge of mining, the result must be obvious.

The following is a summarised list of fatalities and injuries, the results of 27 mining accidents for 1901:—

	Fatal.	Serious.	Non-serious.	Total.
Mt. Margaret Goldfield	6	4	6	16
Part of East Murchison Goldfield	3	1	9	13
	9	5	15	29

#### VENTILATION.

The ventilation in some of the mines is becoming slightly defective, and unless the management adopt in the initial stages of their mining operations more systematic methods for supplying the regulation quantity of air in the workings, I am afraid considerable trouble will be experienced before long in ventilating the workings by either natural or artificial means. I am sorry to note the indifference shown by some managers to the chief object of ventilation, that of keeping a sufficient quantity of good air circulating at all points in which persons are working. This indifference leads them to neglect what is essential for the benefit of the miners first, and, secondly, that of the owners of the property, from an economic point of view.

The air in some mines becomes vitiated by the generation of carbonic oxide, caused through the overcharging of holes by the miners; and, as this is one of the most deadly gases that can be encountered underground, it behoves miners to exercise all care in charging the holes.

The management on some of the principal mines have taken steps in the right direction, by appointing only experienced men to attend solely to charging operations.

#### UNDERGROUND EXCAVATIONS.

Stoping operations are now almost entirely conducted on the overhead system, the filling being kept up to within 6 feet or 7 feet of the backs, the walls and roof being supported, where necessary, by props. This system gives excellent results to all concerned, and if strictly adhered to will reduce the risk of accidents.

Attempts had been made to carry on stoping operations by simply propping the hanging walls for 20 feet or 30 feet above the filling. This, however, proved to be impracticable, and has almost been abandoned for the more workmanlike method.

The only indigenous timber (mulga) for supporting the underground excavations is of a very brittle nature, and by no means a good mining timber, especially for level setts, or if placed in positions where required to take or withstand a bending pressure. For propping, however, it answers fairly well, when soft head-boards are used to take the initial settlement.

The general methods adopted in timbering shafts where the strata are not self-supporting is to timber closely with 10in. x 2in. jarrah or oregon, or frame setts; and where the ground is self-supporting, that is to say, does not chip or break off and fall into the shaft, cross-buntings only are being used to provide the necessary supports for cages, guides, and the lines of pipes and signal wires, etc.

#### MACHINERY.

For a long time it was considered that any old machine that would run would answer about a mine; but that idea has passed, and now in many localities some of the finest machinery in the world is to be found on these fields, reflecting great credit on the engineers for their selections.

For generating steam, there is a variety of boilers in use, each locality having its favourite type to suit the water. Thus, where the water is good, cylindrical tubular and semi-portable boilers are used; and where the water contains mineral impurities, flue boilers are preferred.

There are at present some 194 boilers in use, 94 of which are of the Cornish type, 55 vertical, and 45 semi-portable and cylindrical tubular. So far no accident to any has been reported.

Electricity is now being used extensively for driving machinery and for lighting the underground and surface workings of the mines. At the Sons of Gwalia it is being applied to electric pumps with satisfactory results; and on other mines, where water shafts are at considerable distances from the mines, the management are contemplating pumping by electric power. At present the electric horse power distributed throughout the mines on these fields is about 350; and, judging from the good results that are being obtained, electric power, I think, will likely be used more extensively, especially for pumping and percussive rock-drilling purposes.

#### EXPLOSIVES.

The explosive commonly used in the mines is gelignite. The mines are in most cases supplied with quantities as required by the agents, who have magazines for storage in all the principal centres.

On the mines the magazines are constructed of heavy bulky material principally, and are such that in the event of explosion the building would be thrown in all directions, and the radius of danger extended for a considerable distance. The main point in having them built solidly is to guard against fire from without. On several occasions I have had to instruct managers to have the habitations of their employees removed to safe distances.

The firing of holes is done solely by means of the ordinary safety fuse, but it is somewhat surprising that the firing is not done by electric machines, seeing that the danger from misfire and other causes would be greatly minimised, and also because of the advantage to be gained by simultaneous firing over firing singly or in series.

#### FUEL.

The fuel (mulga) used for the generation of steam is being rapidly cut out about most of the mining centres, and at present has to be carted from 14 to 18 miles. Owing to the increasing demands and to the distance from which it is being obtained, the price per cord now averages about 25s.

For steaming purposes it is an excellent fuel, one cord being equal to about one ton of anthracite coal.

#### PLANS.

The plans required to be kept on mines are well up to date, but not strictly in accord with scale laid down in Regulation 31, and as this scale cannot be very well adopted for underground workings, I would suggest that a more workable scale be substituted.

#### ROPES.

At present I experience great difficulty in obtaining particulars regarding the ropes for use on the mines, such as makers' names, and class of rope, etc., to enable me to base my calculations for ascertaining a rope's safe working load.

I would recommend that necessary particulars be furnished to inspectors by the mine managers before a rope is taken into use on a mine.

I have, etc.,

J. CRABB,  
Inspector of Mines, Mt. Malcolm.



*Report by the Inspector of Mines for the North Coolgardie Goldfield.*

*To the Under Secretary for Mines, Perth.*

SIR,

I have the honour to forward you, for the information of the Honourable the Minister, my Report on the North Coolgardie Goldfield for the year 1901.

INSPECTION OF MINES.

I have much pleasure in reporting that the mines in this district are in a satisfactory condition. The various managements are to be congratulated upon the work achieved, for they have had to contend with numerous difficulties that have handicapped operations to a certain extent. Prospects for the year 1902 are brightening, and therefore encouraging; consequently there is no doubt that, with better facilities, many further improvements will be apparent at the expiration of another twelve months.

During the year 310 mines have been inspected and 204 leases reported upon. Four prosecutions have taken place for infringements of the Mines Regulations Act.

It is becoming urgently necessary to have the question of working underlay shafts more clearly defined under the provisions of the Act. Hauling operations, from 300ft. to 600ft., in several mines are being carried on without safety appliances being utilised. In some cases, in order to economise time, men are raised and lowered on mullock skips.

In carrying out my duties I have travelled 2,700 miles for the year under notice.

INSPECTION OF BOILERS.

I have inspected 170 boilers during the last 12 months, and fees to the amount of £177 5s. have been collected.

This work occupies a considerable portion of my time. The necessity of having to give notice of intention to test clearly shows the impossibility of making surprise visits to mines. I would strongly recommend that a separate inspector be appointed for boilers work, as it is not possible for me to fill the dual positions with satisfaction to the Department and myself.

ACCIDENTS.

Fourteen accidents have been recorded for the year, in which 9 men were killed and 7 injured. Of the fatalities, 3 were "by explosives," 4 "by falls of ground," 1 "in shafts," and 1 "on surface." I might mention that two of the accidents which happened to prospectors were not under my supervision.

MINING GENERALLY.

I am pleased to note that mining generally on the field is improving, and that developments are being carried out in a permanent manner.

I have, etc.,

J. O. HUDSON,

Inspector of Mines, North Coolgardie Goldfield.

Menzies, 7th May, 1902.

*To the Under Secretary for Mines, Perth.*

SIR,

I have the honour to submit, herewith, for your information, Statements showing the Surveys carried out by the Department during the year 1901 on all Goldfields and Mineral Districts in the State:—

TABLE A.

*Showing Total Number of Surveys compared with the year 1900.*

	1900.		1901.	
	No.	Area.	No.	Area.
Surveys on Eastern Goldfields ... ..	860	Acres. 11,551	769	Acres. 10,236
Do. Central do. ... ..	213	2,234	310	5,362
Do. all other Fields ... ..	224	12,742	270	6,729
Totals ... ..	1,297	26,527	1,349	22,327

NOTE.—Does not include groups of Business and Residence Areas.

TABLE B.

*Traverses and Special Surveys.*

	1900.			1901.								
	Traverses.			Cost.								
	M.	C.	L.	£	s.	d.	M.	C.	L.	£	s.	d.
Eastern Goldfields ... ..	30	25	00	101	1	2	30	58	28	102	18	3
Central do. ... ..	...	...	...	...	...	...	2	63	32	9	6	1
Other Fields ... ..	12	57	00	53	15	11	11	14	66	37	5	7
Residence and Business Areas. All Fields	No.			£435 12 0			No.			£169 9 0		
	428						181					

I have, etc.,

THOMAS J. BREEN,

Assistant Inspecting Surveyor.

10th May, 1902.

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**MINING STATISTICS**

**TO**

**31ST DECEMBER, 1901.**

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# MINING STATISTICS TO 31ST DECEMBER, 1901.

## LETTER OF TRANSMITTAL

Department of Mines,  
 Statist's Office,  
 Perth, 31st May, 1902.

*The Under Secretary for Mines.*

SIR,

I have the honour to transmit herewith the Mining Statistics of 1901. These statistics are less voluminous than usual, owing to the fact that the details of the output from the producing mines only are shown, the aggregate amount of gold won in former years from leases and claims now *voided* being exhibited under their respective mining centres.

### GOLD.

The gross weight of gold bullion reported to the Department for 1901 is 1,841,498 ounces, or nearly a quarter of a million more than in 1899, the amount, 1,600,763 ounces for that year, being the highest hitherto recorded in this State. For the sake of comparison, and to show the advance made in the gold-mining industry during the past three years, a few particulars are thus simply tabulated:—

Year.	Gross Weight Reported.	Fine Contents.	Sterling Value.
	Ozs.	Ozs.	£
1899	1,600,763	1,432,035	6,082,899
1900	1,513,917	1,354,343	5,752,885
1901	1,841,498	1,669,072	7,089,767

The average fineness of the gold bullion for the year is  $\cdot 8587$ , of a sterling value of £3 12s. 11½d. per ounce—a falling off from the year 1900 of 1s. 10¼d. an ounce. This, in a great degree, may be attributed to the more extended use of the cyanide process.

### MINERALS OTHER THAN GOLD.

The output of Copper, 10,157 tons, exceeds by 3,974 tons that of 1900; but of Black Tin, 734 tons, and Coal 117,836 tons, there has been a slight decrease in the production. The quantities of Ironstone and Limestone used, principally for fluxes, are considerably greater than in former years.

Lead-mining, owing to the fall in market prices, has practically ceased. The sterling value of all minerals produced in 1901 is £7,445,772, being nearly £1,300,000 greater than in 1900.

## MINING MACHINERY.

The amount of capital represented by machinery erected at 31st December, 1901, is £4,023,775, as against £3,023,089 at the end of the previous year.

## MEN EMPLOYED, AND ACCIDENTS.

In all descriptions of mining, 20,895 men were engaged during 1901, or 479 less than in 1900. In all mines, 155 accidents occurred, in which 45 men were killed, and 130 men were injured. East Coolgardie, with the largest proportion of miners, heads the list, 44 accidents being recorded. The Murchison follows with 23, and Coolgardie next with 20; the other 68 accidents being more or less distributed over the remaining goldfields and mining districts.

I have the honour to be,

Sir,

Your obedient servant,

JAMES WALLACE,

Statist.

# MINING STATISTICS

TO 31ST DECEMBER, 1901.

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9. Yalgoo Goldfield ... ..	31
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## EXPLANATIONS OF SIGNS AND ABBREVIATIONS.

<i>cy.</i>	Tailings.	M.A.	Machinery Area.
<i>sl.</i>	Slimes.	T.A.	Tailings Area.
<i>con.</i>	Concentrates.	W.R.	Water Right.
<i>pl.</i>	Plates.	Abd.	Abandoned.
¶	Extras (magnettings, skimmings, etc.).	Canc.	Cancelled.
A.C.	Alluvial Claim.	Ftd.	Forfeited.
Q.C.	Quartz Claim.	Ref.	Refused.
R.C.	Reward Claim.	Surr.	Surrendered.
G.M.L.	Gold Mining Lease.	V.N.P.	Void for non-payment of Rent.
M.L.	Mineral Lease.	Wdn.	Withdrawn.
P.P.L.	Private Property Lease.	Gf.	Goldfield.
Q.P.P.A.	Quartz Prospecting Protection Area.	D.	District.
		M.D.	Mining District.

**WESTERN AUSTRALIA,**  
**SUMMARY OF MINERAL PRODUCTS.**

*GOLD and OTHER MINERALS produced in the State during 1901, and the estimated Value thereof, together with a comparison for the two previous years and the Total to date.*

DESCRIPTION OF MINERAL.	1901.		1900.		1899.		PREVIOUS TO 1899.		TOTAL TO DATE.	
	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.
		£		£		£		£		£
GOLD (Export and <sup>1</sup> § Mint) ... .. ounces fine	1,703,416	7,235,653	1,414,311	6,007,611	1,470,605	6,246,732	2,408,970	10,232,654	6,997,302	29,722,650
BLACK TIN (Raised) ... .. statute tons	734	40,000	823	56,702	335	25,270	1,666	70,527	3,558	192,499
COPPER ORE (Raised) ... .. do.	10,157	75,246	6,183	43,673	2,964	35,938	7,018	55,270	26,322	210,127
IRONSTONE (Raised) ... .. do.	20,569	13,246	12,251	9,258	12,852	8,939	100	300	45,772	31,743
LEAD { Ore (Export) ... .. do.	<sup>2</sup> § 9	109	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 fine	60,869	7,609	28,749	3,594	...	...	...	...	89,618	11,203
ASBESTOS (Export) ... .. statute tons	...	...	...	...	<sup>3</sup> §	1	...	...	...	1
COAL (Raised) ... .. do.	117,836	68,561	118,410	54,835	54,336	25,951	3,508	1,761	294,090	151,108
LIMESTONE (Raised) ... .. do.	18,210	4,348	15,927	3,594	17,593	2,838	...	...	51,730	10,780
MICA (Export) ... .. do.	...	...	<sup>3</sup> §	3	<sup>3</sup> §	50	<sup>3</sup> §	241	...	294
PRECIOUS STONES (Export) ... .. carats	<sup>3</sup> §	1,000	<sup>4</sup> §	24	...	...	...	...	...	1,024
TOTAL VALUES ...	...	£7,445,772	...	£6,179,536	...	£6,346,892	...	£10,737,400	...	£30,709,491

<sup>1</sup>§ Since May, 1899.

<sup>2</sup>§ Ore raised.

<sup>3</sup>§ Weight not stated.

<sup>4</sup>§ 25 small diamonds raised, weight not stated.

## AUSTRALASIAN MINERAL PRODUCTION.

*COMPARATIVE TABLE showing the Output of all Mineral Products from the several States of Australia and the Colony of New Zealand during 1901.*

DESCRIPTION OF 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 fine	1,793,416	£ 7,235,653	216,888	£ 921,282	730,449	3,102,753	598,382	£ 2,541,892	7+69,491	£ 295,176	9+ 21,946	£ 93,222	412,875	£ 1,753,783
Copper ... .. statute tons			5,688	383,908					8+ 9,981	787,375	6,770	468,606		
Copper Ore ... .. do.	10,157	75,246	1,114	29,394			3,061	194,227	11,221	130,412	2,348	31,471	3	105
Lead ... .. do.			9+ 693	10,809			561	6,993			1+	722	8	114
Lead Ore ... .. do.	9	109	9+ 2,647	89,692										
Manganese ... .. do.			12	24			218	795			132	330	208	614
Platinum ... .. ounces fine			389	779										
Silver ... .. do.	60,869	7,609	448,501	50,484			571,561	62,241					571,134	65,258
Silver Ore ... .. statute tons			4+ 417,078	1,803,979					28,774	207,228	10+ 1,514	12,067		
Tin ... .. do.			656	76,851			1,661	93,723	1,789	212,542				
Black Tin ... .. do.	734	40,000	11	464	77	4,180			79	3,644	11+ 82	5,584		
Wolfram ... .. do.							72	1,145			5	175		
Antimony ... .. do.			88	1,183									30	136
Bismuth ... .. do.			21	6,665			20	3,684						
Asbestos ... .. do.									46	45				
Coal ... .. do.	117,836	68,561	5,968,426	2,178,929	209,329	147,191	539,472	189,877	45,438	38,451			1,227,198	613,599
Brown Coal ... .. do.					150	37								
Coke ... .. do.			128,882	105,665										
Iron ... .. do.			10,424	123,750			430	215						
Iron Oxide ... .. do.			128	229										
Ironstone ... .. do.	20,569	13,246	4,136	3,536					612	417				
Lime ... .. do.			20,855	16,247			6,514	4,901						
Limestone ... .. do.	18,210	4,348	26,570	5,794										
Molybdenite ... .. do.														
Precious Stones ... .. carats		1+	1,000	5+ 129,756				9+ 26	1,609					
Unenumerated ... ..				67,215				1+	6,000			1,753		453,889
<b>Total Values</b> ... ..		<b>7,445,772</b>		<b>6,006,635</b>		<b>3,254,161</b>		<b>3,107,302</b>		<b>1,675,290</b>		<b>613,930</b>		<b>2,887,498</b>

\* Including Northern Territory. † Weight not stated. ‡ Pig-lead. § 732 tons in Matte and 1,915 tons Carbouate. ¶ Includes 16,921 tons Silver-lead. †† Diamonds, 9,322 cts., valued at £9,756; Opal, valued £120,000.  
 ††† Includes some Bismuth and Wolfram. †††† Includes 21,718ozs. from Blister Copper. ††††† Blister Copper. †††††† Includes 7ozs., estimated to be contained in 2 tons of Gold Ore and Concentrates, valued at £30.  
 ††††††† Includes 1,410 tons Silver-lead, valued £11,357. †††††††† Includes 2 tons unspecified, valued £86.

PART I.—GOLD.

TABLE I.

MONTHLY GOLD PRODUCTION.

Return of Gold reported Monthly to the Mines Department from the respective Goldfields and Districts during 1901.

Goldfield.	District.	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 ... ..	...	12 00	10 00	158 06	8 00	10 00	11 00	33 00	10 00	9 00	14 00	10 00	12 00	297 06
Pilbarra ... ..	Marble Bar ... ..	284 04	320 25	418 99	676 14	478 90	128 47	22 95	342 12	42 67	838 02	786 80	152 16	4,491 51
Do ... ..	Nullagine... ..	211 97	901 50	195 91	1,088 73	188 26	112 11	189 32	561 65	743 17	650 40	256 47	673 32	5,772 81
West Pilbarra ... ..	...	12 23	57 71	...	22 83	...	11 88	...	27 35	24 75	4 02	40 66	29 86	231 29
Ashburton... ..	...	81 00	...	200 00	91 00	85 00	76 00	82 00	77 00	84 00	70 00	75 00	71 00	992 00
Gascoyne ... ..	...	...	...	32 00	...	8 00	4 00	...	12 00	8 00	...	18 00	8 00	90 00
Peak Hill ... ..	...	1,087 20	1,616 95	1,861 22	1,541 72	32 72	3,438 94	2,386 27	1,636 45	2,228 00	2,099 00	2,327 00	...	20,255 47
East Murchison ... ..	...	4,971 04	4,233 47	4,817 22	6,655 12	5,616 10	6,784 53	8,060 71	6,478 05	6,872 90	6,930 24	7,219 62	7,597 10	76,236 10
Murchison ... ..	Cue ... ..	1,762 95	1,389 90	2,158 17	1,759 90	1,383 23	1,512 60	2,058 20	1,397 90	2,099 93	2,099 93	1,990 75	2,000 55	20,769 60
Do ... ..	Nannine ... ..	1,790 77	1,582 27	1,709 17	1,609 05	2,071 10	1,447 69	1,533 25	1,565 65	1,004 10	2,024 15	1,713 90	2,535 22	20,586 32
Do ... ..	Day Dawn ... ..	3,708 03	3,835 60	4,389 30	5,279 95	6,796 70	6,463 45	6,673 95	6,714 75	6,928 40	6,964 35	6,544 70	7,468 35	71,767 53
Do ... ..	Mt. Magnet ... ..	3,384 45	2,518 31	2,704 60	3,018 21	2,444 60	2,306 92	3,603 41	2,448 23	2,290 58	2,558 51	3,056 19	3,134 47	33,468 48
Yalgoo ... ..	...	720 05	844 09	562 93	851 44	884 08	719 52	730 02	682 80	864 48	771 30	644 57	962 97	9,238 25
Mt. Margaret ... ..	Mt. Malcolm ... ..	7,326 51	8,034 03	8,309 61	8,405 95	8,070 04	7,644 84	10,034 00	6,916 21	11,564 34	6,948 89	7,327 23	7,818 87	98,395 52
Do ... ..	Mt. Margaret ... ..	4,635 11	5,827 05	5,904 50	7,082 45	6,622 30	6,747 92	6,398 19	8,054 05	8,635 08	8,017 50	9,353 03	14,359 45	91,636 63
North Coolgardie ... ..	Menzies ... ..	2,390 28	4,103 80	5,254 95	5,543 71	4,999 68	4,111 23	5,185 36	4,624 66	6,122 86	5,121 82	4,280 28	5,158 37	56,897 00
Do ... ..	Ularring ... ..	783 82	1,825 89	1,445 35	509 60	2,878 84	1,406 74	1,555 25	3,674 73	2,316 55	1,857 29	1,305 05	9,532 55	29,091 66
Do ... ..	Niagara ... ..	2,710 55	2,919 89	2,879 62	3,307 75	3,817 32	3,897 88	4,433 95	4,650 66	5,415 30	5,239 31	5,152 40	5,781 01	50,205 64
Do ... ..	Yerilla ... ..	990 42	595 17	1,085 62	909 35	1,309 10	1,165 15	1,448 81	708 64	1,415 06	746 55	744 52	992 31	12,110 70
Broad Arrow ... ..	...	4,597 49	4,887 61	3,123 99	3,015 73	2,852 22	3,490 87	2,391 44	2,241 81	2,089 18	2,000 55	2,015 90	1,968 65	34,675 44
North-East Coolgardie ... ..	Kanowna ... ..	2,785 73	2,971 59	2,523 90	2,879 78	3,141 73	2,431 19	3,831 88	4,129 42	4,054 17	4,446 81	3,948 22	3,725 85	40,870 27
Do ... ..	Bulong ... ..	489 02	647 99	951 50	2,000 81	2,283 48	1,891 18	2,384 95	1,787 49	1,420 14	2,145 12	1,744 13	1,637 37	19,383 18
Do ... ..	Kurnalpi ... ..	350 75	251 00	278 90	255 20	371 83	304 81	374 55	369 80	167 62	97 10	82 88	493 81	3,398 25
East Coolgardie ... ..	...	67,587 08	65,635 64	81,622 05	77,442 07	81,470 10	83,690 11	87,566 82	95,041 55	87,824 09	86,084 21	85,282 52	92,122 36	991,368 60
Coolgardie... ..	Coolgardie ... ..	5,045 68	4,733 31	5,941 90	5,835 26	5,190 84	6,939 90	5,846 62	5,356 42	5,905 97	6,262 24	5,304 74	6,621 18	68,984 06
Do ... ..	Kunanalling ... ..	916 62	1,457 82	1,951 53	1,665 29	1,599 50	857 17	1,324 46	1,554 57	887 97	523 89	327 10	2,704 05	15,769 97
Yilgarn ... ..	...	2,823 85	2,657 47	2,077 60	2,132 30	1,890 15	2,655 20	2,050 60	2,049 45	1,885 30	2,044 51	1,781 65	2,539 33	26,587 41
Dundas ... ..	...	3,027 03	3,496 62	2,636 55	3,061 66	3,395 55	3,211 96	3,384 58	3,016 02	3,173 16	2,748 37	2,905 47	3,027 12	37,084 09
Phillips River ... ..	...	72 65	112 19	...	...	...	...	18 62	...	46 57	133 90	328 91	...	712 84
Donnybrook ... ..	...	...	2 50	1 36	...	...	...	...	...	...	...	...	...	3 86
Goldfields generally	...	75 28	1 67	48 53	...	...	...	1 30	...	...	...	...	...	126 78
Total	...	124,633 60	127,471 29	145,245 03	146,649 00	149,891 37	153,463 26	163,604 46	165,987 05	165,421 31	159,436 98	156,567 69	183,127 28	1,841,498 32

**TABLE II.**  
**YEARLY GOLD PRODUCTION.**

*Return of Gold reported Annually to the Mines Department from the respective Goldfields and Districts to the 31st December, 1901.*

Goldfield.	District.	1901.	1900.	1899.	1898.	1897.	Previous to 1897.	Total to date.
		ozs.	ozs.	ozs.	ozs.	ozs.	ozs.	ozs.
Kimberley ... ..	...	297 06	571 15	917 15	440 17	229 30	12,734 00	15,188 83
Pilbarra ... ..	Marble Bar ... ..	4,491 51	12,087 05	13,381 49	10,746 99	5,933 99	27,068 31	73,709 34
Do. ... ..	Nullagine ... ..	5,772 81	4,529 80	5,910 49	3,666 80	891 27	1,402 25	22,173 42
West Pilbarra ... ..	...	231 29	953 65	1,934 80	326 70	860 06	337 91	4,644 41
Ashburton ... ..	...	992 00	1,704 00	1,659 10	500 63	302 95	...	5,158 68
Gascoyne ... ..	...	90 00	74 00	333 77	13 50	13 55	...	524 82
Peak Hill ... ..	...	20,255 47	26,571 63	31,953 65	14,969 32	10,883 23	11,070 16	115,703 46
East Murchison ... ..	...	76,236 10	64,698 03	45,038 90	37,080 32	20,995 07	2,576 00	246,624 42
Murchison ... ..	Cue ... ..	20,769 60	20,148 81	20,696 00	24,012 43	21,995 90	23,012 18	130,634 92
Do. ... ..	Nannine ... ..	20,586 32	30,157 27	23,016 54	23,488 89	11,222 48	24,297 00	132,768 50
Do. ... ..	Day Dawn ... ..	71,767 53	14,646 86	12,999 41	13,906 17	16,827 67	57,968 05	188,115 69
Do. ... ..	Mt. Magnet ... ..	33,468 48	40,769 37	23,836 76	17,848 90	12,270 14	35,155 05	163,348 70
Yalgoo ... ..	...	9,238 25	10,101 86	12,135 94	3,298 95	3,455 79	7,227 00	45,457 79
Mt. Margaret ... ..	Mt. Malcolm ... ..	98,395 52	93,032 87	55,589 21	42,877 65	21,401 34	4,362 10	315,658 69
Do. ... ..	Mt. Margaret ... ..	91,636 63	52,655 88	24,334 51	6,840 12	1,190 75	630 00	177,287 89
North Coolgardie ... ..	Menzies ... ..	56,897 00	49,773 07	62,368 89	54,318 10	57,809 36	21,883 88	303,050 30
Do. ... ..	Ularring ... ..	29,091 66	20,284 96	18,330 51	4,114 77	741 25	64 20	72,627 35
Do. ... ..	Niagara ... ..	50,205 64	28,064 69	26,041 40	9,581 91	595 87	206 00	114,695 51
Do. ... ..	Yerilla ... ..	12,110 70	8,651 25	10,227 34	4,864 10	2,216 34	4,808 77	42,878 50
Broad Arrow ... ..	...	34,675 44	52,433 32	48,194 38	27,726 43	14,464 54	9,129 25	186,623 36
North-East Coolgardie ... ..	Kanowna ... ..	40,870 27	47,382 66	78,074 01	152,645 47	30,823 97	8,327 95	358,124 33
Do. do. ... ..	Bulong ... ..	19,383 18	19,139 07	30,427 75	15,755 55	9,263 00	548 00	94,516 55
Do. do. ... ..	Kurnalpi ... ..	3,398 25	4,224 13	4,323 69	2,040 71	366 13	100 00	14,452 91
East Coolgardie ... ..	...	991,368 60	737,970 98	855,404 87	422,391 86	296,764 11	143,828 70	3,447,729 12
Coolgardie ... ..	Coolgardie ... ..	68,984 06	81,238 46	106,770 83	76,894 58	45,579 51	67,121 24	446,088 68
Do. ... ..	Kunanalling ... ..	15,769 97	21,174 55	24,486 06	23,278 26	19,211 97	7,060 52	110,981 33
Yilgarn ... ..	...	26,587 41	29,155 42	16,371 78	11,769 40	17,072 82	94,194 60	195,151 43
Dundas ... ..	...	37,064 09	41,083 63	44,213 30	36,798 48	19,283 52	3,979 90	182,442 92
Phillips River ... ..	...	712 84	39 00	...	...	...	...	751 84
Donnybrook ... ..	...	3 86	453 10	511 49	14 65	...	...	983 10
Goldfields generally	...	126 78	146 56	1,278 90	...	...	...	1,552 24
	Total ...	1,841,498 32	1,513,917 08	1,600,762 92	1,041,711 81	642,665 88	569,093 02	7,209,649 03

**TABLE III.**  
**GENERAL RETURN.**

*Return showing, for the respective Goldfields and Districts, the Area in square miles, Leases in force, particulars of Plant, Men employed, Alluvial, Dollied and Specimen Gold, and Ore treated with Gold Yield, as reported to the Mines Department, to the 31st December, 1901.*

GEOGRAPHICAL DIVISION.	GOLDFIELD.	DISTRICT.	WARDEN'S HEAD OFFICE.	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	Goldfield.	District.	No.	Area in Acres.	Milling.		Cyaniding.		Above Ground.	Under Ground.
												Number of Stamps.	Other Mills.	Leaching Vats.	Filter Presses.		
NORTHERN GOLDFIELDS	Kimberley ... ..	...	Hall's Creek ...	20-5-86	20-5-86	...	...	46,886	...	3	19	25	...	...	...	3	3
	Pilbarra ... ..	Marble Bar	Marble Bar ...	1-10-88	1-10-88	20-9-95	1-11-95	34,880	{ 25,205	36	316	80	5	5	...	25	53
	Do ... ..	Nullagine	...	...	...	...	...	...	{ 9,675	16	193	35	1	...	...	55	73
	West Pilbarra ... ..	...	Roebourne ...	20-9-95	1-11-95	...	...	9,480	...	3	36	...	2	...	...	3	2
	Ashburton ... ..	...	Mt. Mortimer	11-12-90	11-12-90	18-10-01	14-10-01	14,252	...	...	...	...	...	...	...	...	...
CENTRAL GOLDFIELDS	Gascoyne ... ..	...	Bangemall ...	25-6-97	15-4-97	...	...	5,061	...	1	12	...	...	...	...	...	...
	Peak Hill ... ..	...	Peak Hill ...	19-3-97	1-4-97	...	...	12,194	...	98	1,334	50	1	4	9	175	171
	East Murchison ... ..	...	Lawlers ...	28-6-95	28-6-95	24-12-97	1-1-98	28,242	...	151	2,133	170	6	24	...	424	432
	Murchison ... ..	Cue ...	...	...	...	...	...	...	{ 7,981	92	800	140	1	33	...	126	112
	Do ... ..	Nannine	Cue ...	24-9-91	24-9-91	8-2-95	23-1-95	20,513	{ 7,716	75	891	173	...	28	...	138	132
	Do ... ..	Day Dawn	...	...	...	...	...	...	{ 728	96	1,099	100	3	20	...	253	228
	Do ... ..	Mt. Magnet	...	...	...	...	...	...	{ 4,088	91	840	125	1	25	...	247	312
	Yalgoo ... ..	...	Yalgoo ...	8-2-95	23-1-95	...	...	18,921	...	41	512	70	2	9	...	85	88
	Mt. Margaret ... ..	Mt. Malcolm	Mt. Malcolm ...	12-3-97	1-4-97	24-12-97	1-1-98	42,154	{ 2,644	161	2,939	258	5	51	...	302	688
	Do ... ..	Mt. Margaret	...	...	...	...	...	...	{ 39,510	222	3,970	226	1	65	3	569	567
EASTERN GOLDFIELDS	North Coolgardie ... ..	Menzies	Menzies ...	28-6-95	28-6-95	12-3-97	1-4-97	30,609	{ 3,268	95	1,155	138	2	47	4	264	305
	Do ... ..	Ullaring	...	...	...	...	...	...	{ 12,256	129	1,766	80	...	11	...	164	207
	Do ... ..	Niagara	...	...	...	...	...	...	{ 779	109	1,312	95	1	21	...	279	354
	Do ... ..	Yerilla ...	...	...	...	...	...	...	{ 14,306	48	852	40	1	17	...	78	102
	Broad Arrow ... ..	...	Broad Arrow ...	17-11-96	20-11-96	...	...	590	...	97	1,251	240	5	41	3	186	223
	North-East Coolgardie ... ..	Kanowna	Kanowna ...	20-3-96	15-4-96	13-11-96	20-11-96	21,542	{ 1,099	112	1,336	195	22	82	...	218	366
	Do ... ..	Bulong	...	...	...	...	...	...	{ 991	59	798	30	1	...	...	66	82
	Do ... ..	Kurnalpi	...	...	...	...	...	...	{ 19,452	5	73	10	...	...	...	9	11
	East Coolgardie ... ..	...	Kalgoorlie ...	21-9-94	1-10-94	20-3-96	15-4-96	632	...	295	4,665	470	84	187	95	3,455	2,858
	Coolgardie ... ..	Coolgardie	Coolgardie ...	6-4-94	6-4-94	20-3-96	15-4-96	11,974	{ 9,221	197	2,464	401	7	72	6	409	603
	Do ... ..	Kunanalling	...	...	...	...	...	...	{ 2,753	96	1,195	133	4	17	...	160	158
Yilgarn ... ..	...	Southern Cross	1-10-88	1-10-88	20-3-96	15-4-96	15,593	...	32	497	175	6	69	1	172	122	
Dundas ... ..	...	Norseman ...	31-8-93	31-8-93	20-3-96	15-4-96	17,848	...	85	986	135	5	43	1	206	290	
Phillips River ... ..	...	Ravensthorpe	21-9-00	14-9-00	...	...	1,300	...	27	607	20	...	...	...	23	37	
Donnybrook ... ..	...	Donnybrook ...	17-11-99	27-11-99	...	...	102	...	31	447	...	1	...	...	36	46	
Goldfields generally	...	...	...	...	...	...	...	...	...	...	60	3	5	...	...	...	...
			Total ...	...	...	...	...	332,773	...	2,503	34,498	3,674	170	876	122	8,130	8,625



TABLE III.—Return showing, for the respective Goldfields and Districts, etc.—continued.

GEOGRAPHICAL DIVISION.	GOLDFIELD.	DISTRICT.	FIRST QUARTER OF 1901.					SECOND QUARTER OF 1901.				
			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 ... ..	...	47'00	...	185'00	133'06	'72	29'00	...	...	...	...
	Pilbarra ... ..	Marble Bar ...	80'36	101'32	366'00	841'60	2'29	30'28	134'87	439'25	1,118'36	2'54
	Do ... ..	Nullagine ...	145'50	...	472'85	1,163'88	2'46	383'35	...	693'45	1,005'75	1'45
	West Pilbarra ... ..	...	14'44	...	35'00	55'50	1'58	34'71	...	...	...	...
	Ashburton, ... ..	...	281'00	...	...	...	...	252'00	...	...	...	...
	Gascoyne ... ..	...	32'00	...	...	...	...	12'00	...	...	...	...
CENTRAL GOLDFIELDS	Peak Hill ... ..	...	...	...	4,029'50	4,565'37	1'13	...	...	6,884'00	5,013'38	'72
	East Murchison ... ..	...	91'51	7'90	14,574'20	13,922'32	'95	17'22	55'00	21,883'50	18,983'53	'86
	Murchison ... ..	Cue ... ..	58'42	5'30	3,766'05	5,247'30	1'39	39'20	5'45	4,133'00	4,611'08	1'11
	Do ... ..	Nannine ...	200'00	23'30	5,618'75	4,858'91	'86	300'00	249'45	3,286'75	4,578'39	1'39
	Do ... ..	Day Dawn ...	2'00	...	7,813'50	11,930'93	1'52	12'00	52'45	10,870'00	18,475'65	1'70
	Do ... ..	Mt. Magnet ...	...	19'65	11,454'23	8,587'71	'74	77'00	50'55	9,393'65	7,642'18	'81
	Yalgoo ... ..	...	...	...	3,055'15	2,127'07	'69	12'08	4'50	3,631'15	2,438'46	'67
	Mt. Margaret ... ..	Mt. Malcolm ...	16'86	634'21	33,569'00	23,019'08	'68	...	325'98	36,654'00	23,794'85	'65
	Do ... ..	Mt. Margaret ...	...	32'65	16,742'50	16,334'01	'97	...	19'90	25,007'50	20,432'77	'81
	North Coolgardie ... ..	Menzies ...	37'86	7'45	7,939'75	11,703'72	1'47	64'13	46'74	9,804'15	14,543'75	1'48
EASTERN GOLDFIELDS	Do ... ..	Ullaring ...	...	1'25	3,690'00	4,053'81	1'09	...	...	4,137'00	4,795'18	1'15
	Do ... ..	Niagara ...	...	1'00	6,911'50	8,509'06	1'26	8'88	31'67	11,443'00	10,982'40	'96
	Do ... ..	Yerilla ...	13'72	100'00	1,875'00	2,557'49	1'36	10'40	308'75	2,274'00	3,064'45	1'34
	Broad Arrow ... ..	...	233'32	145'30	17,664'80	12,230'47	'69	302'95	...	12,224'83	9,055'87	'74
	North-East Coolgardie ... ..	Kanowna { quartz cement	...	202'33	8,096'15	6,291'19	'78	...	20'10	8,281'50	6,759'83	'81
	Do ... ..	Bulong ...	1,387'48	...	759'00	400'22	'53	1,365'17	...	599'25	307'60	'51
	Do ... ..	Kurnalpi ...	796'87	404'70	988'50	886'94	'89	865'07	454'21	2,994'25	4,856'19	1'62
	Do ... ..	...	580'00	120'25	323'00	180'40	'55	585'00	10'50	372'50	336'34	'90
	East Coolgardie ... ..	...	114'36	103'88	149,068'98	214,621'53	1'43	467'31	310'46	170,930'06	241,824'51	1'41
	Coolgardie ... ..	Coolgardie ...	97'06	511'03	22,889'00	15,112'80	'66	416'23	200'11	26,479'25	17,349'66	'65
	Do ... ..	Kunanalling ...	22'00	47'37	7,911'41	4,256'60	'54	...	457'20	7,142'75	3,664'76	'51
	Yilgarn ... ..	...	...	...	6,067'00	7,558'92	1'24	...	...	6,437'00	6,677'65	1'03
	Dundas ... ..	...	...	23'20	10,789'00	9,137'00	'84	153'57	2'10	10,426'50	9,513'50	'91
Phillips River ... ..	...	...	112'19	22'00	72'65	3'30	...	...	...	...	...	
Donnybrook ... ..	...	...	...	48'50	3'86	'07	...	...	...	...	...	
Goldfields generally ... ..	...	...	25'89	99'59	...	...	...	...	...	...	...	
	Total ...		4,277'65	2,708'87	346,725'32	390,363'40	1'13	5,437'55	2,739'99	396,422'29	441,826'09	1'11

TABLE III.—Return showing, for the respective Goldfields and Districts, etc.—continued.

GEOGRAPHICAL DIVISION.	GOLDFIELD.	DISTRICT.	THIRD QUARTER OF 1901.					FOURTH QUARTER OF 1901.				
			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.	Tons.	Ozs.	Ozs.	Ozs.	Ozs.	Tons.	Ozs.	Ozs.
NORTHERN GOLDFIELDS	Kimberley ... ..	...	52·00	...	...	...	...	36·00	...	...	...	...
	Pilbarra ... ..	Marble Bar ... ..	56·40	19·79	91·00	331·55	3·64	52·49	6·00	654·00	1,718·49	2·62
	Do ... ..	Nullagine ... ..	142·62	1·80	1,599·61	1,349·72	·84	159·55	11·74	1,097·95	1,408·90	1·28
	West Pilbarra ... ..	...	52·10	...	...	...	...	35·09	·45	13·00	39·00	3·00
	Ashburton ... ..	...	243·00	...	...	...	...	216·00	...	...	...	...
CENTRAL GOLDFIELDS	Gascoyne ... ..	...	20·00	...	...	...	...	26·00	...	...	...	...
	Peak Hill ... ..	...	...	...	7,308·00	6,250·72	·85	...	...	5,804·00	4,426·00	·76
	East Murchison ... ..	...	...	16·50	23,827·50	21,395·16	·89	95·06	367·85	24,333·25	21,284·05	·87
	Murchison ... ..	Cue ... ..	44·70	...	3,894·00	4,665·92	1·19	1·25	·95	5,700·50	6,089·03	1·06
	Do ... ..	Nannine ... ..	275·00	...	2,843·00	3,828·00	1·34	175·00	...	3,362·50	6,098·27	1·81
	Do ... ..	Day Dawn ... ..	...	81·60	12,451·00	20,235·50	1·62	...	66·50	12,017·00	20,910·90	1·74
	Do ... ..	Mt. Magnet ... ..	128·00	157·15	8,664·50	8,057·07	·92	99·50	144·51	7,945·00	8,505·16	1·07
	Yalgoo ... ..	...	...	...	3,487·00	2,277·30	·65	...	·40	2,944·00	2,378·44	·81
	Mt. Margaret ... ..	Mt. Malcolm ... ..	...	55·34	34,518·50	28,459·21	·82	...	115·64	32,722·00	21,974·35	·67
	Do ... ..	Mt. Margaret ... ..	243·10	13·30	30,113·00	22,830·92	·76	344·10	18·20	37,251·50	31,367·68	·84
EASTERN GOLDFIELDS	North Coolgardie ... ..	Menzies ... ..	20·36	24·59	10,008·60	15,887·93	1·58	13·92	34·87	10,635·75	14,511·68	1·36
	Do ... ..	Ullaring ... ..	...	21·05	4,748·05	7,525·48	1·58	...	...	4,761·75	12,694·89	2·66
	Do ... ..	Niagara ... ..	11·39	92·65	13,662·00	14,395·87	1·05	11·68	39·10	12,008·50	16,121·94	1·34
	Do ... ..	Yerilla ... ..	2·82	81·91	2,416·60	3,487·78	1·44	86·63	178·59	1,956·00	2,218·16	1·13
	Broad Arrow ... ..	...	324·55	...	8,178·50	6,397·88	·78	368·70	16·00	6,672·00	5,600·40	·84
	North-East Coolgardie ... ..	Kanowna { quartz cement	...	285·95	12,446·85	10,030·91	·80	...	570·07	9,249·25	9,755·04	1·05
	Do ... ..	Bulong ... ..	1,497·86	...	558·00	200·75	·36	1,527·90	...	569·50	267·87	·47
	Do ... ..	Kurnalpi ... ..	374·42	910·70	3,108·75	4,307·46	1·38	697·57	127·00	3,221·25	4,702·05	1·46
	Do ... ..	...	472·00	217·30	229·50	222·67	·97	349·59	272·60	181·00	51·60	·28
	East Coolgardie ... ..	...	259·26	356·41	183,190·14	269,816·79	1·47	490·07	472·10	190,610·55	262,526·92	1·37
Coolgardie ... ..	Coolgardie ... ..	398·58	145·52	21,120·75	16,569·91	·78	322·18	30·92	26,023·25	17,835·06	·68	
Do ... ..	Kunanalling ... ..	...	22·11	6,135·50	3,744·89	·61	8·60	325·50	3,974·00	3,220·94	·81	
Yilgarn ... ..	...	...	...	6,667·00	5,985·35	·89	...	23·18	7,358·00	6,342·31	·86	
Dundas ... ..	...	140·16	67·75	10,047·00	9,365·85	·93	330·09	87·00	7,110·50	8,263·87	1·16	
Phillips River ... ..	...	...	65·19	...	...	...	...	309·73	170·00	153·08	·90	
Donnybrook ... ..	...	...	...	...	...	...	...	...	...	...	...	
Goldfields generally ... ..	...	...	1·30	...	...	...	...	...	...	...	...	
		Total ... ..	4,753·32	2,637·91	411,314·35	487,621·59	1·18	5,446·97	3,218·90	418,346·00	490,466·08	1·17

TABLE III.—Return showing, for the respective Goldfields and Districts, etc.—continued.

GEOGRAPHICAL DIVISION.	GOLDFIELD.	DISTRICT.	TOTAL FOR 1901.					TOTAL PREVIOUS TO 1901.				
			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 ... ..	...	164·00	...	185·00	133·06	·72	...	1,058·00	...	15,038·50	13,833·77
	Pilbarra ... ..	Marble Bar ... ..	219·43	261·98	1,550·25	4,010·00	2·59	2,082·00	4,379·04	960·19	29,572·11	61,796·60
	Do ... ..	Nullagine ... ..	831·02	13·54	3,863·86	4,928·25	1·27	...	1,756·79	64·45	7,148·70	14,579·37
	West Pilbarra ... ..	...	136·34	·45	48·00	94·50	1·97	...	1,092·53	...	2,532·15	3,320·59
	Ashburton ... ..	...	992·00	...	...	...	...	...	3,826·68	340·00	...	...
CENTRAL GOLDFIELDS	Gascoyne ... ..	...	90·00	...	...	...	...	...	193·43	20·30	236·70	221·09
	Peak Hill ... ..	...	...	...	24,025·50	20,255·47	·84	4,551·60	...	1,271·30	35,089·79	89,625·09
	East Murchison ... ..	...	203·79	447·25	84,618·45	75,585·06	·89	...	3,629·08	3,323·94	144,267·74	163,435·30
	Murchison ... ..	Cue ... ..	143·57	11·70	17,493·55	20,614·33	1·18	1,072·00	205·24	1,300·16	111,035·12	111,786·01
	Do ... ..	Nannine ... ..	950·00	272·75	15,111·00	19,363·57	1·28	...	351·90	3,648·91	107,658·78	103,683·28
	Do ... ..	Day Dawn ... ..	14·00	200·55	43,151·50	71,552·98	1·66	...	67·31	1,878·37	90,226·60	114,402·48
	Do ... ..	Mt. Magnet ... ..	304·50	371·86	37,457·38	32,792·12	·87	...	87·53	4,151·14	129,632·00	125,641·55
	Yalgoo ... ..	...	12·08	4·90	13,117·30	9,221·27	·70	...	...	305·50	44,109·18	35,914·04
	Mt. Margaret ... ..	Mt. Malcolm ... ..	16·86	1,131·17	137,463·50	97,247·49	·70	...	1,572·82	3,763·80	184,126·31	211,886·18
	Do ... ..	Mt. Margaret ... ..	587·20	84·05	109,114·50	90,965·38	·83	...	41·52	815·10	75,217·70	84,835·01
EASTERN GOLDFIELDS	North Coolgardie ... ..	Menzies ... ..	136·27	113·65	38,388·25	56,647·08	1·47	...	642·50	304·07	147,805·39	245,187·73
	Do ... ..	Ullaring ... ..	...	22·30	17,336·80	29,069·36	1·68	...	...	379·00	30,441·61	43,173·87
	Do ... ..	Niagara ... ..	31·95	164·42	44,025·00	50,009·27	1·13	...	93·56	210·75	76,117·45	64,185·56
	Do ... ..	Yerilla ... ..	113·57	669·25	8,521·60	11,327·88	1·33	275·00	868·95	5,090·05	18,724·83	24,533·80
	Broad Arrow ... ..	...	1,229·52	161·30	44,740·13	33,284·62	·74	250·00	3,068·06	763·99	186,646·13	147,865·87
	North-East Coolgardie ... ..	Kanowna {quartz cement	...	1,078·45	38,073·75	32,836·97	·86	...	...	2,212·71	118,591·45	100,038·12
	Do ... ..	Bulong ... ..	5,778·41	...	2,485·75	1,176·44	·47	...	102,547·56	1·00	103,283·18	112,454·67
	Do ... ..	...	2,733·93	1,896·61	10,312·75	14,752·64	1·43	...	19,703·57	5,142·01	43,947·55	50,287·79
	Do ... ..	Kurnalpi ... ..	1,986·59	620·65	1,106·00	791·01	·71	...	8,363·95	1,048·49	1,931·55	1,642·22
	East Coolgardie ... ..	...	1,331·00	1,247·85	693,799·73	988,789·75	1·42	500·00	2,885·81	2,242·95	1,387,395·91	2,450,731·76
Coolgardie ... ..	Coolgardie ... ..	1,229·05	887·58	96,512·25	66,867·43	·69	...	7,913·58	1,587·63	371,982·95	367,603·41	
Do ... ..	Kunanalling ... ..	30·60	852·18	25,163·66	14,887·19	·59	...	240·29	1,841·78	111,333·94	93,129·29	
Yilgarn ... ..	...	...	23·18	26,529·00	26,564·23	1·00	...	...	738·18	326,526·63	167,825·84	
Dundas ... ..	...	623·82	180·05	38,373·00	36,280·22	·94	...	308·88	264·76	159,225·13	144,785·19	
Phillips River ... ..	...	...	487·11	192·00	225·73	1·17	...	...	39·00	...	...	
Donnybrook ... ..	...	...	...	48·50	3·86	·08	...	32·10	...	672·80	947·14	
Goldfields generally	...	...	25·89	100·89	...	...	...	116·44	75·12	...	1,233·90	
		Total ...	19,915·49	11,305·67	1,572,807·96	1,810,277·16	1·15	8,730·60	165,048·94	43,784·65	4,060,517·88	5,150,586·52

TABLE III.—Return showing, for the respective Goldfields and Districts, etc.—continued.

GEOGRAPHICAL DIVISION.	GOLDFIELD.	DISTRICT.	TOTAL GOLD PRODUCTION.					QUANTITY OF GOLD EXPORTED AND RECEIVED AT MINT.					
			Ounces from unknown tons.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	During 1901.	Previous to 1901.	Total.	§ Value.	
			Ozs.	Ozs.	Ozs.	Tons.	Ozs.	Ozs.	Ozs.	Ozs.	Ozs.	£ s. d.	
NORTHERN GOLDFIELDS	Kimberley ... ..	...	...	1,222·00	...	15,223·50	13,966·83	·91	663·37	26,014·73	26,678·10	101,409 19 0	
	Pilbarra ... ..	Marble Bar	2,082·00	4,598·57	1,222·17	31,122·36	65,806·60	2·11	} 11,320·40	} 172,563·76	} 183,884·16	} 699,325 16 6	
	Do ... ..	Nullagine	...	2,587·81	77·99	11,012·56	19,507·62	1·77					
	West Pilbarra ... ..	...	...	1,228·87	·45	2,580·15	3,415·09	1·32	480·86	4,705·46	†5,186·32	19,732 2 0	
	Ashburton ... ..	...	...	4,818·68	340·00	...	...	...	63·92	5,336·08	5,400·00	20,523 3 2	
	Gascoyne ... ..	...	...	283·43	20·30	236·70	221·09	·93	25·83	504·82	†530·65	2,017 15 3	
CENTRAL GOLDFIELDS	Peak Hill ... ..	...	4,551·60	...	1,271·30	59,115·29	109,880·56	1·86	21,607·47	79,512·05	†101,119·52	385,334 10 11	
	East Murchison ... ..	...	...	3,832·87	3,771·19	228,886·19	239,020·36	1·04	} 77,604·04	} 148,956·32	} †226,560·36	} 864,809 12 11	
	Murchison ... ..	Cue	1,072·00	348·81	1,311·86	128,528·67	132,400·34	1·30					
	Do ... ..	Nannine	...	1,301·90	3,921·66	122,769·78	123,046·85	1·00	} 144,693·86	} 616,111·24	} 760,855·10	} 2,898,294 1 6	
	Do ... ..	Day Dawn	...	81·31	2,078·92	133,378·10	185,955·46	1·39					
	Do ... ..	Mt. Magnet	...	392·03	4,523·00	167,089·38	158,433·67	·95					
	Yalgoo ... ..	...	...	12·08	310·40	57,226·48	45,135·31	·79					
	EASTERN GOLDFIELDS	Mt. Margaret ... ..	Mt. Malcolm	...	1,589·68	4,894·97	321,589·81	309,133·67	·96	} 9,198·51	} 26,038·76	} †35,237·27	} 134,361 11 0
		Do ... ..	Mt. Margaret	...	628·72	899·15	184,332·20	175,800·39	·95				
		North Coolgardie ... ..	Menzies	...	778·77	417·72	186,193·64	301,834·81	1·62	} 198,807·70	} 275,292·49	} †474,100·19	} 1,811,521 2 2
Do ... ..		Ullaring	...	1·82	401·30	47,778·41	72,243·23	1·51					
Do ... ..		Niagara	...	125·51	375·17	120,142·45	114,194·83	·95					
Do ... ..		Yerilla	...	275·00	982·52	5,759·30	27,246·43	1·31					
Broad Arrow ... ..		...	...	250·00	4,297·58	925·29	231,386·26	181,150·49	·78	} 29,104·78	} 121,175·59	} †150,280·37	} 572,520 11 5
North-East Coolgardie		Kanowna { quartz	...	...	3,291·16	156,665·20	132,875·09	·84					
Do ... ..		Bulong ... cement	...	108,325·97	1·00	105,768·93	113,631·11	1·07	} 50,556·53	} 295,559·79	} †346,116·32	} 1,317,769 17 8	
Do ... ..		Kurnalpi	...	22,437·50	7,038·62	54,260·30	65,040·43	1·20					
Do ... ..	...	...	10,350·54	1,669·14	3,037·55	2,433·23	·80	} 1,033,669·64	} 2,570,161·05	} †3,603,830·69	} 13,746,240 1 3		
East Coolgardie ... ..	...	500·00	4,216·81	3,490·80	2,081,195·64	3,439,521·51	1·65						
Coolgardie ... ..	Coolgardie	...	9,142·63	2,475·21	468,495·20	434,470·84	·93						
Do ... ..	Kunanalling	...	270·89	2,693·96	136,497·60	108,016·48	·79						
Yilgarn ... ..	...	...	...	761·36	353,055·63	194,390·07	·55	} 29,488·07	} 257,648·02	} 287,136·09	} 1,092,591 10 2		
Dundas ... ..	...	...	932·70	444·81	197,598·13	181,065·41	·91						
Phillips River ... ..	...	...	...	526·11	192·00	225·73	1·17	...	...	...	...		
Donnybrook ... ..	...	...	...	32·10	721·30	951·00	1·31	4·64	771·66	†776·30	2,950 3 5		
Goldfields generally	...	...	...	142·33	176·01	...	1,233·90	...	1,906·00	8,835·25	10,741·25	40,912 1 0	
Total ... ..			8,730·60	184,964·43	55,090·32	5,633,325·84	6,960,863·68	1·23	1,879,390·51	5,917,630·78	7,797,021·29	29,722,650 8 6	

§ To 1900 at £3 16s. per oz.; 1901 at £3 17s. per oz. † Prior to 1st May, 1898, 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.



Lallarookh	569	Kitchener	6	38.50	37.10	.96	38.50	37.10	.96					
Do	R.C. 112	Lallarookh G.M. Co.	...	147.55	520.31	3.52	847.55	2,915.16	3.44					
Do	...	Sundry claims	...	30.45	50.30	...	30.45	50.30	...					
Marble Bar	7	(Augusta)	...	...	...	...	72.00	30.96	.43					
Do	3, 7, 21	British Exploration of Australia, Ltd.	28	15.00	26.60	1.77	15.00	26.60	1.77					
Do	7 (280)	(Consolidated G.Ms. of W.A., Ltd.)	...	...	...	...	1,472.50	1,594.97	1.08					
Do	579	Homeward Bound	15	198.75	242.25	1.22	198.75	242.25	1.22					
Do	3, 21 (157, 160)	(Stray Shot and Excelsior G.Ms., Ltd.)	...	...	...	...	4,059.90	10,128.20	2.49					
Do	3, 21	(Stray Shot and Excelsior)	...	...	...	...	...	195.00	...					
Do	...	Voided leases	...	...	...	...	82.00	2,118.25	3,204.74					
Do	...	Sundry claims	...	...	...	...	419.80	821.94	...					
North Pole	...	Voided leases	...	...	...	...	416.00	324.40	...					
North Shaw	...	Voided leases	...	...	...	8.50	351.45	812.65	...					
Do	...	Sundry claims	...	...	...	640.00	...	...	...					
Sharks	...	Sundry claims	...	6.00	40.75	...	6.00	40.75	...					
Shaw River	...	Voided leases	...	...	...	...	101.00	62.95	...					
Talga Talga	...	Voided leases	...	...	...	...	571.50	1,225.40	...					
Do	...	Sundry claims	...	9.25	24.10	...	150.25	570.05	...					
Tambourah	568 (258)	Western Chief No. 1 South	V.N.P.	...	cy. 130.14	...	30.00	170.14	5.67					
Do	...	Voided leases	...	...	...	...	1,374.50	1,796.52	...					
Do	...	Sundry claims	...	...	...	...	639.25	911.20	...					
Warrawoona	505	Bowbells	12	...	...	...	342.20	669.99	1.95					
Do	483	British Exploration of Australia, Ltd.	12	136.50	238.05	1.74	136.50	238.05	1.74					
Do	483	(Gauntlet)	...	...	...	...	1,128.30	3,436.05	3.04					
Do	607	Golden Gate	6	6.00	16.40	2.73	6.00	16.40	2.73					
Do	564	Imperialist	6	17.50	26.30	1.50	548.75	629.51	1.13					
Do	473	Klondyke	6	86.75	294.40	3.39	641.25	4,455.46	7.50					
Do	476	Klondyke Boulder	Surr.	92.50	287.60	3.10	699.11	1,629.57	2.33					
Do	578 (474)	Klondyke No. 1 West	6	...	...	...	7.85	20.50	2.61					
Do	(522) R.C. 94	Kopeke's Reward Block	...	46.25	126.60	2.73	181.35	599.00	3.30					
Do	571 (477)	Wheel of Fortune	6	16.50	11.50	.70	113.00	111.45	.98					
Do	...	Voided leases	...	...	...	...	659.65	2,161.38	...					
Do	...	Sundry claims	...	5.00	5.00	50.00	209.80	267.25	...					
Do	...	Voided leases	...	...	...	...	1,221.00	1,146.29	...					
Western Shaw	...	Eastern	6	35.50	51.60	1.45	531.85	635.80	1.19					
Yandicoogina	451	Granite	Surr.	26.00	52.00	2.00	35.00	92.50	2.64					
Do	586	Jupiter	6	101.50	466.70	4.59	113.50	586.70	5.16					
Do	590	Lady Adelaide No. 1	V.N.P.	6.00	3.00	.50	51.25	78.30	1.53					
Do	562 (538)	Patrick	6	76.00	120.70	1.58	192.50	511.00	2.65					
Do	545	Uncle Tom	6	27.00	76.75	2.84	304.20	986.41	3.24					
Do	494	Uncle Tom West	6	47.00	82.75	1.76	145.85	253.50	1.74					
Do	461	Voided leases	...	...	...	...	604.35	2,313.92	...					
Do	...	Sundry claims	...	...	...	...	72.75	56.10	...					
From District generally—														
Sundry parcels treated at Lady Adelaide Battery				3.50	3.90	...	18.50	11.65	...					
Do do Salgash Public Crushing Battery				1.00	4.30	...	114.70	120.38	...					
Do do Pilbarra Cyanide Works				...	...	...	...	60.16	...					
Alluvial from Marble Bar				...	...	3,825.00	...	...	...					
Do Tambourah				25.50	...	290.50	...	...	...					
Do Boodalyerrie				...	...	160.00	...	...	...					
Notices of Purchase				194.03	131.98	...	264.57	209.90	...					
Total				219.53	261.98	1,550.25	4,010.00	2.59	4,598.57	1,222.17	31,122.36	165,806.60	2.11	3 11 9

† Also 2.082ozs. from unknown tons.



TABLE IV.—Production of Gold from all sources, etc.—continued.

Pilbarra Goldfield—continued.

NULLAGINE DISTRICT.

MINING CENTRE.	NUMBER OF LEASE.	NAME OF LEASE.	REGISTERED NAME OF COMPANY.	Area in Acres	TOTAL FOR 1901					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1901.	
					Alluvial	Dolled and Specimens	Ore treated.	Gold therefrom	Average per ton treated.	Alluvial.	Dolled and Specimens	Ore treated.	Gold therefrom.	Average per ton treated.		
Elsie	86L	Elsie		6	ozs.	ozs.	tons.	ozs.	ozs.	ozs.	ozs.	ozs.	ozs.	ozs.	£ s. d.	
Do		Sundry claims					230·00	519·77	2·26			272·25	992·22	3·64		
Mosquito Creek	118L	Bannockburn		Wdn.			20·00	17·90				20·00	17·90			
Do	109L	Federal		6			17·00	11·25	·66			17·00	11·25	·66		
Do	79L	Galtee More		6			7·00	12·75	1·82			7·00	12·75	1·82		
Do	95L	Parnell		12			199·00	401·95	2·02			380·00	904·20	2·38		
Do	102L	Parnell North		6			143·35	184·60	1·28			202·35	263·90	1·30		
Do	96L	Parnell No. 1 West		V.N.P.			48·35	52·45	1·08			94·85	214·45	2·26		
Do	93L	Rattler		V.N.P.			36·75	24·50	·66			36·75	24·50	·66		
Do		Voided leases					22·00	29·00	1·32			39·00	88·50	2·27		
Do		Sundry claims										77·50	227·30			
Nullagine	106L (105L)	Barton		18			636·41	995·88				761·56	1,227·93			
Do	77L (71L)	Golden Eagle		V.N.P.			356·65	373·10	1·04			457·65	506·15	1·10		
Do	122L (2L)	Grant's Hill		24			2·75	6·10	2·22			84·95	440·45	5·18		
Do	103L	Mundalla		6			1,358·00	614·53	·45			1,358·00	614·53	·45		
Do	1L, 2L, 18L, 21L, 27L		North-West Australian Gold-fields, Ltd.	Ftd.			92·00	573·30	6·23			183·80	908·25	4·95		
Do	108L (82L)	Old All Nations		10			100·00	33·00	·33			1,641·00	1,518·65	·92		
Do	99L (56L)	Walter's Folly		V.N.P.			61·00	148·50	2·43			103·00	215·80	2·09		
Do		Voided leases					25·50	181·00	7·09			114·50	595·35	5·20		
Do		Sundry claims									15·00	2,340·50	4,393·32			
20-Mile Sandy		Voided leases						1·80	248·25	336·54	112·50	51·25	2,515·55	5,823·34		
Do		Sundry claims										21·00	64·20			
							246·35	406·33				246·35	406·33			
<i>From District generally—</i>																
		Sundry parcels treated at Barton Excelsior Battery						13·50	5·80				13·50	5·80		
		Do do Lady Ray Works											25·00	20·00		
		Do do Royer's Public Crushing Battery												10·55		
		Alluvial									1,644·29					
		Notices of Purchase					831·02	11·74			831·02	11·74				
		Total					831·02	13·54	3,863·86	4,928·25	1·27	2,587·81	77·99	11,012·56	19,507·62	1·77
															4 0 0	

## West Pilbarra Goldfield.

MINING CENTRE.	NUMBER OF LEASE.	NAME OF LEASE.	REGISTERED NAME OF COMPANY.	Area in Acres.	TOTAL FOR 1901.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1901.
					Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Average per ton treated.	
Croydon ...	...	Voided leases ...	...	...	ozs.	ozs.	tons.	ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	£ s. d.
Hong Kong	...	Voided leases ...	...	...	...	...	...	...	...	...	...	8'00	6'00	...	
Do	...	Sundry claims	...	...	...	...	...	...	...	...	...	331'00	513'63	...	
Lower Nicol	106	Ninety-Nine	...	6	...	45	13'00	39'00	3'00	...	45	13'00	39'00	3'00	
Do	...	Voided leases ...	...	...	...	...	...	...	...	...	...	7'50	11'95	...	
Mallina ...	...	Voided leases ...	...	...	...	...	...	...	...	...	...	103'60	121'22	...	
Pilbarra...	...	Voided leases ...	...	...	...	...	...	...	...	...	...	148'00	330'00	...	
Towranna	36	...	Consolidated G.Ms. of W.A., Ltd.	V.N.P.	...	...	35'00	55'50	1'59	...	...	1,035'00	1,042'63	1'01	
Do	...	Voided leases ...	...	...	...	...	...	...	...	...	...	899'80	1,079'51	...	
Weerianna	...	Voided leases ...	...	...	...	...	...	...	...	...	...	25'25	267'30	...	
<i>From Goldfield generally—</i>															
Alluvial Notices of Purchase					136'34	...	...	...	...	...	...	735'07	493'80	...	...
Total					136'34	45	48'00	94'50	1'97	1,228'87	45	2,580'15	3,415'09	1'32	3 13 0

## Ashburton Goldfield.

MINING CENTRE.	NUMBER OF LEASE.	NAME OF LEASE.	REGISTERED NAME OF COMPANY.	Area in Acres.	TOTAL FOR 1901.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1901.
					Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Average per ton treated.	
Mt. Mortimer ...	...	Sundry claims	...	...	ozs.	ozs.	tons.	ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	£ s. d.
<i>From Goldfield generally—</i>															
Alluvial					992'00	...	...	...	...	...	...	4,444'68	...	...	...
Total					992'00	...	...	...	...	...	...	4,818'68	340'00	...	4 0 4

TABLE IV.—Production of Gold from all sources, etc.—continued.

Gascoyne Goldfield.

MINING CENTRE.	NUMBER OF LEASE.	NAME OF LEASE.	REGISTERED NAME OF COMPANY.	Area in Acres	TOTAL FOR 1901					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1901.
					Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom	Average per ton treated.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Average per ton treated.	
Bangemall	6	Elderado		12	ozs.	ozs.	tons.	ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	£ s. d.
Do		Voided leases										41'00	41'95	1'02	
Do		Sundry claims										6'80	195'70		
												13'50			
		<i>From Goldfield generally—</i>													
		Alluvial			90'00						265'00				
		Notices of Purchase									18'43				
				Total	90'00						283'43	20'30	236'70	221'05	'93

Peak Hill Goldfield.

MINING CENTRE.	NUMBER OF LEASE.	NAME OF LEASE.	REGISTERED NAME OF COMPANY.	Area in Acres.	TOTAL FOR 1901.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1901.
					Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Average per ton treated.	
orseshoe	44P	Brilliant		12	ozs.	ozs.	tons.	ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	£ s. d.
Do	45P	Brilliant Central		18								297'00	81'00		
Do	49P	Brilliant Central Extended		12								343'75	20'70		
Do	51P	Glenrowan		12								87'25	33'10		
Do	100P	Glenrowan South		12								2'55			
Peak Hill	108P	Blue Bell		12								2'90			
Do	98P	Emerald		12								56'00	27'10	'48	
Do	55P	Golden Treasure		18			12'00	5'37	'45			71'00	62'65	'88	
Do	56P	Golden Treasure East		6			19'00	25'83	1'36			220'00	152'42	'69	
Do	97P	Golden Treasure Extended		Surr.			10'00	8'80	'88			119'75	65'15	'54	3 19 10
Do	59P	Jubilee		12			190'00	264'05	1'39			28'00	56'87	2'03	
Do	240P	May Day		Surr.			27'00	43'60	1'62			1,093'10	1,113'47	1'02	
Do	34P	Mt. Fraser		9								37'00	54'78	1'48	
Do	150P	Mt. Pleasant		24								52'00	49'25	'94	
Do	151P	Mt. Pleasant Extended		12								322'50	494'52	1'53	
Do	216P	Mt. Pleasant North		12			13'50	1'50	'11			66'00	41'49	'62	
Do	1P	(North Star)										13'50	1'50	'11	
												169'60			

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	Peak Hill Goldfields, Ltd.	a. r. p. 174 1 5	Ore Cement	23,744·00 ...	19,883·95 ...	'84 ...	200·00 ...	55,463·35 1,064·00	105,530·46 1,903·20	1·90 ·84	3 18 0½
Do	...	Voided leases ...	...	...	...	...	...	38·75	432·00	931·17	...	...
Do	...	Sundry claims...	...	...	6·00	13·82	...	104·65	6·00	13·82	...	...
Ravelstone	60P	Ravelstone	12	...	...	...	...	...	17·00	15·02	·88	...
Do	...	Voided leases ...	...	...	...	...	...	...	10·00	2·99	...	...
Wilson's Find	233P	Wilson's Find	18	...	4·00	8·55	2·14	24·85	14·00	35·65	2·55	...
<i>From Goldfield generally—</i>												
Sundry parcels treated at Peak Hill Consols Battery				...	...	...	...	...	30·00	194·25	...	...
Total				...	24,025·50	20,255·47	'84	1,271·30	59,115·29	1109,880·56	1·86	3 18 0½

†Also 4,551·00ozs. from unknown tons.

### East Murchison Goldfield.

MINING CENTRE.	NUMBER OF LEASE.	NAME OF LEASE.	REGISTERED NAME OF COMPANY.	Area in Acres	TOTAL FOR 1901					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1901.		
					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.	£	s.	d.
Black Range	...	Sundry claims	...	...	...	...	38·00	16·10	...	...	...	229·65	207·49	...	...	...	...
Cork Tree	535	Kingston	...	24	...	...	110·00	61·00	·55	...	...	110·00	61·00	·55	...	...	...
Kathleen Valley	491	Baringo North	...	V.N.P.	...	...	24·00	56·00	2·33	...	...	24·00	56·00	2·33	...	...	...
Do	336	Carysfort	...	12	...	...	73·00	183·70	2·52	...	...	...	...	...	...	...	...
Do	113	Nil Desperandum	...	24	...	...	...	...	...	...	...	...	...	...	...	...	...
Do	360	Pascoe Pride	...	6	...	...	...	...	...	...	...	...	...	...	...	...	...
Do	382	Yellow Aster	...	18	...	...	7,739·00	8,726·36	1·13	...	...	15·00	32·00	2·11	...	...	...
Do	...	Voided leases	...	...	...	...	...	...	...	...	...	10,976·00	14,056·71	1·28	3 16 0	...	...
Do	...	Sundry claims	...	...	...	...	...	...	...	...	...	208·00	158·08	...	...	...	...
Lake Darlôt	182	Amazon	...	12	...	...	481·00	959·32	1·99	...	...	...	38·00	20·47	...	...	...
Do	93	Ballangarry	...	18	...	...	144·00	97·70	·68	...	9·00	1,086·50	1,962·59	1·80	...	...	...
Do	2	British King No. 1 West	...	12	...	...	...	...	...	...	...	...	719·00	731·43	1·01	...	...
Do	566	Eildon	...	5	...	...	...	...	...	...	...	...	470·50	689·24	1·46	...	...
Do	1	...	Fingall Reefs Extended, Ltd.	12	...	...	...	...	...	...	...	...	12·00	6·10	·51	...	...
Do	525	Homeward Bound	...	12	...	...	6,172·00	5,433·33	·88	...	...	...	...	...	...	...	...
Do	375 (330)	King of the Hills	...	12	...	...	23·00	21·30	·93	...	...	...	23·00	21·30	·93	...	...
Do	337	Morning Light	...	V.N.P.	...	...	66·00	104·55	1·58	...	90·64	...	66·00	104·55	1·58	...	...
Do	544 (337)	Morning Light	...	6	...	...	30·50	109·27	3·58	...	...	...	144·50	303·20	2·10	...	...
Do	329	Rise and Shine	...	12	...	...	30·00	40·43	1·35	...	...	...	30·00	40·43	1·35	...	...
Do	273	St. George	...	12	...	...	372·65	42·00	61·65	1·47	...	625·87	42·00	61·65	1·47	...	...
Do	528	Sylva	...	6	...	...	...	...	...	...	1,389·55	...	129·50	175·91	1·35	...	...
Do	363	Waikato	...	6	...	...	23·00	9·90	·43	...	...	...	23·00	9·90	·43	...	...
Do	...	...	...	6	...	...	99·00	127·30	1·29	...	...	...	720·50	1,015·64	1·41	...	...
Carried forward				...	...	372·65	15,106·50	16,014·01	...	...	2,135·21	22,022·15	26,087·72	...	...	...	...

TABLE IV.—Production of Gold from all sources etc.—continued.

East Murchison Goldfield—continued.

MINING CENTRE.	NUMBER OF LEASE.	NAME OF LEASE.	REGISTERED NAME OF COMPANY.	Area in Acres.	TOTAL FOR 1901.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1901.
					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.	£ s. d.
			Brought forward	...	...	372.65	15,106.50	16,014.01	...	...	2,135.21	22,022.15	26,087.72	...	
Lake Darlôt	...	Voided leases	...	...	...	...	...	...	...	...	175.27	1,150.20	1,323.59	...	
Do	...	Sundry claims	...	...	1.35	55.00	80.50	102.40	...	1.35	267.11	483.94	344.72	...	
Lake Way	170	Black Swan	...	24	...	...	...	...	...	...	...	77.00	225.54	2.92	
Do	332	Black Swan North	...	12	...	...	...	...	...	...	...	14.50	24.60	1.69	
Do	507	Bonanza	...	24	...	...	13.00	5.50	.42	...	...	13.00	5.50	.42	
Do	143	Brothers	...	18	...	...	358.00	321.40	.89	...	...	668.00	740.50	1.11	3 14 3½
Do	161	Caledonia	...	12	...	...	...	...	...	...	...	294.00	318.42	1.08	
Do	169	Dark Horse	...	18	...	...	...	...	...	...	...	274.15	635.92	2.31	
Do	149	Derwent	...	12	...	...	...	...	...	...	...	164.30	404.61	2.46	
Do	316	Essex	...	12	...	...	15.00	24.25	1.62	...	...	337.00	473.40	1.40	4 2 0
Do	312	Ethelstone	...	12	...	...	...	...	...	...	...	18.00	9.25	.51	
Do	531	Fixed Deposit	...	12	...	...	12.00	9.75	.81	...	...	12.00	9.75	.81	
Do	469 (340)	Gem	...	12	...	...	151.00	178.30	1.18	...	...	151.00	178.30	1.18	
Do	140	...	(Golden Age, Lake Way, Ltd.)	...	...	...	2,482.00	1,167.10	.47	...	...	12,899.00	8,895.39	.69	
Do	140, 144, 162/4, 241/3, 318, 380, 422, 441, 477, 494/9, 501, W.R. 33	...	Golden Age, Consolidated Ltd.	a. r. p. 335 1 38	...	...	922.00	4,629.93	5.02	...	...	922.00	4,629.93	5.02	3 6 3½
Do	380 (139)	Golden Age South	...	12	...	...	...	...	...	...	...	133.00	308.00	2.31	
Do	149, 161, 169, 170, 184, 312, 332/3, 358, 378/9, 472/3	...	Lake Way Goldfields, 1899, Ltd.	180	...	...	...	(cy. 258.60 sl. 155.25)	...	...	...	2,540.00	3,570.73	1.40	3 14 0
Do	314	Lawless	...	12	...	...	...	...	...	...	553.90	38.00	18.00	.47	
Do	413	Little Wonder	...	12	...	...	...	...	...	...	...	30.00	17.75	.59	
Do	333	Monarch and Derwent United	...	24	...	...	...	...	...	...	...	10.00	3.35	.33	
Do	137, 442	...	Monarch of the East G.M. Co., N.L.	a. r. p. 40 3 23	...	...	2,762.00	2,730.74	.99	...	...	7,610.00	6,970.59	.91	2 16 0
Do	403	Off Chance	...	5	...	...	...	...	...	...	...	37.00	18.45	.49	
Do	326	Weelona	...	24	...	...	...	...	...	...	17.17	261.00	567.86	2.17	
Do	162	...	(W.A. Goldfields, Ltd.)	...	...	...	...	pl. 11.25	...	...	...	2,786.00	1,573.94	.56	
Do	...	Voided leases	...	...	...	...	...	...	...	...	46.50	837.30	771.45	...	
Do	...	Sundry claims	...	...	...	...	...	...	...	...	...	744.65	632.22	...	
Lawlers	564 (386)	Birthday	...	5	...	...	276.00	137.60	.50	...	...	276.00	137.60	.50	
Do	19, 414	Bounty leases	...	12	...	...	105.00	73.00	.70	...	...	690.35	967.65	1.40	
Do	343	British-American Alliance	...	12	...	...	...	...	...	...	88.53	33.85	27.00	1.25	
Do	453 (384)	Cinderella	...	12	...	...	370.00	222.90	.60	...	...	1,118.00	888.45	.79	3 15 0
Do	482	Commonwealth	...	5	...	...	124.00	104.00	.84	...	...	189.00	131.00	.69	
Do	376	(Donegal)	(London and W.A. Exploration Co., Ltd)	...	...	...	...	...	...	...	...	38.00	79.80	2.10	

Do	377 (16)	Eastern United Extended	6							106-00	79-46	74		
Do	37, 70, 155/8, 385, 426/7	East Murchison United, Ltd.	177			44,144-00	30,818-47	69		105,278-00	109,642-22	1-04	3 16 6	
Do	115	Glasgow Lass	12			498-00	462-25	93		1,688-00	1,791-68	1-06	3 18 0	
Do	22	Gorrie's May Be	6			100-00	95-50	95		282-00	307-71	1-09		
Do	251	International	12			39-00	202-70	52		705-50	1,220-20	1-73		
Do	460	Kanmuntoo	6		16-60	28-50	48-02	1-68		56-50	119-57	2-11		
Do	15	Leinster	18			339-50	1,181-50	3-48		935-50	2,971-40	3-18	3 15 1	
Do	467	Leinster North	6			14-00	35-50	2-53		14-00	35-50	2-53		
Do	1, 58	(London and W.A. Explora- tion Co., Ltd.)								2,438-50	3,064-58	1-25		
Do	471	Mikado	V.N.P.			10-00	2-25	22		10-00	2-25	22		
Do	483	Mt. McAuley	12			30-00	7-17	24		30-00	7-17	24		
Do	381	Never Can Tell	24			244-00	366-00	1-50		610-00	954-70	1-56	3 17 6	
Do	373	New Holland	12			1,291-00	526-60	41		1,377-25	612-78	44		
Do	78, 320	New Woman leases	24							770-30	1,058-92	1-37		
Do	459	Quartzite King	12			46-50	41-50	89		119-50	104-00	87	3 17 6	
Do	385	(Queen)				1,141-00	656-80	58		1,252-00	723-35	58		
Do	397	Right Bower	12			44-75	54-65	1-22		104-75	95-75	91		
Do	415	Right Bower Extended	12			114-00	113-15	99		249-00	395-02	1-60	3 18 10	
Do	539	Right Bower North	Wdn.			17-00	17-55	1-03		17-00	17-55	1-03		
Do	519	Surprise	24			98-00	84-09	86		98-00	84-09	86		
Do	521	Vivien	24			45-50	25-30	55		45-50	25-30	55		
Do	62	Woronga South	18			1,650-00	1,696-70	1-03		4,540-00	3,928-37	86	3 18 1	
Do		Voided leases								4-98	7,720-90	7,730-30		
Do		Sundry claims			17-22	414-70	177-79		17-22	49-25	1,692-85	1,610-70		
New England	117	Glennis	18							803-00	777-35	96		
Do		Voided leases								66-35				
Do		Sundry claims				3-00	60-00	155-75		3-00	554-50	532-38		
Mt. Clifford	463	Emancipator	12			33-00	110-90	3-36		33-00	110-90	3-36		
Do	452	Liberator	Ftd.			6-00	38-60	6-43		10-00	6-00	38-60	6-43	
Mt. Sir Samuel	24, 35, 308, 439	Bellevue Consolidated, Ltd.	a. r. p. 55 3 9			9,915-00	11,445-30	1-15		33,172-00	34,627-34	1-04	3 7 0	
Do	489	Isidore	24			550-00	580-79	1-05		628-00	696-94	1-11	3 8 6	
Do	339	Vanguard	12			740-00	293-60	39		1,864-00	971-48	52	3 10 0	
Do		Voided leases								1,934-00	1,376-30			
Do		Sundry claims				120-00	98-55			17-97	959-50	1,094-66		
Wilson's Creek		Voided leases								113-00	1,775-60	1,073-37		
Do		Sundry claims								4-85	5-00	21-75		
Wilson's Patch	520	Scns of Lawlers	12			108-00	73-10	68		108-00	73-10	68		
<i>From Goldfield generally—</i>														
Sundry parcels treated at Darlot Public Battery														
Do do Christensen's Works														
Alluvial														
Notices of Purchase														
Total														
				203-79	447-25	84,618-45	75,585-06	89	3,832-87	3,771-19	228,886-19	239,020-36	1-04	3 13 14



TABLE IV.—Production of Gold from all sources, etc.—continued.

Murchison Goldfield.

CUE DISTRICT.

MINING CENTRE.	NUMBER OF LEASE.	NAME OF LEASE.	REGISTERED NAME OF COMPANY.	Area in Acres.	TOTAL FOR 1901.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1901.
					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.	£ s. d.
Cuddingwarra	252 (818, 1082)	...	City of Chester G.M., Ltd.	12	...	...	950'00	879'40	'92	...	...	1,359'00	1,171'40	'86	
Do	634, 736, 1042	...	Cuddingwarra G.Ms., Ltd.	33	...	...	...	...	...	...	...	4,433'50	4,626'87	1'04	
Do	1268 (1215)	Venus	...	Wdn.	...	5'45	...	...	...	...	5'45	...	...	...	
Do	595, 671, 1104, 1122	...	Victory United G.M. Co., N.L.	39	...	...	430'00	613'60	1'43	...	...	7,745'00	18,912'63	2'44	2 18 8½
Do	...	Voided leases	...	...	...	...	...	...	...	...	10'40	3,895'75	4,174'08	...	
Do	...	Sundry claims	...	...	...	...	...	...	...	...	...	199'00	157'45	...	
Cue	(483), 1046/7	...	(Agamemnon, Ltd.)	...	...	...	...	...	...	...	...	7,053'50	5,108'01	'72	
Do	1047	Agamemnon	...	21	...	...	823'00	525'65	'64	...	...	957'00	598'95	'62	
Do	640, 811	Arcadia leases	...	12	...	...	122'00	50'35	'41	...	...	2,395'50	1,836'62	'76	
Do	1247 (1179)	Arcadia North	...	Ftd.	...	...	17'50	2'50	'14	...	...	17'50	2'50	'14	
Do	1284	Battler's Hope	...	Wdn.	...	...	30'00	9'40	'31	...	...	30'00	9'40	'31	
Do	1068 (1100/1)	Caledonian Hill	...	18	...	...	35'00	15'65	'45	...	40'00	100'00	71'50	'71	
Do	1234	Comforter	...	a. r. p. 3 1 16	...	...	...	...	...	...	...	29'00	13'15	'45	
Do	1271 (1088)	Catalpa	...	12	...	...	162'00	63'75	'39	...	...	162'00	63'75	'39	
Do	1212 (1066)	(Countess)	...	...	...	...	...	...	...	...	...	10'00	8'50	'85	
Do	1212	...	Countess G.M. Co., N.L.	12	...	...	61'00	54'45	'89	...	...	61'00	54'45	'89	
Do	(60, 170), 203, (674), 1148	...	(Cue Consolidated G.Ms., Ltd.)	...	...	...	...	...	...	...	...	23,427'50	20,035'79	'85	
Do	1211 (398)	Cue Homeward Bound	...	Surr.	...	...	16'00	13'75	'86	...	...	16'00	13'75	'86	
Do	208	Cue No. 1	...	12	...	...	283'00	130'05	'46	...	...	283'00	130'05	'46	
Do	1174	...	Cue Victory G.Ms., Ltd.	18	...	...	...	...	...	...	...	6,528'00	4,093'93	'62	
Do	1115 (697)	Deceiver	...	9	...	...	94'00	122'98	1'31	...	...	830'00	1,588'27	1'91	3 17 6
Do	1213	Deceiver North	...	6	...	...	124'00	295'45	2'38	...	...	168'00	372'15	2'21	
Do	1281	Duchess	...	12	...	...	30'00	10'70	'36	...	...	30'00	10'70	'36	
Do	1275 (1022)	Duke of York	...	5	...	...	111'00	111'45	1'00	...	...	111'00	111'45	1'00	
Do	523, 1020, 1044, 1127, 1152	...	Gem of Cue, Ltd.	35	...	...	...	...	...	...	...	11,724'00	7,587'70	'64	
Do	711	Golden Stream Extended	...	6	...	...	1,215'00	982'05	'81	...	...	2,342'00	2,450'23	1'05	4 0 8
Do	1159	Hard Luck	...	5	...	...	...	...	...	...	...	96'00	61'85	'64	
Do	1217 (335)	Lady Forrest	...	6	...	...	137'00	115'10	'84	...	...	194'00	178'25	'92	
Do	183	Leviathan	...	6	...	...	43'00	29'85	'69	...	...	986'00	831'28	'84	
Do	1148 (964)	Light of Asia	...	12	...	...	1,171'00	667'05	'57	...	...	2,418'00	1,719'30	'71	
Do	1175	Mafeking	...	6	...	...	39'00	31'45	'80	...	...	97'00	92'85	'96	
Do	1243 (248)	New Eclipse	...	Surr.	...	...	21'00	7'15	'34	...	...	51'00	29'65	'58	
Do	1255	New North Cue	...	Surr.	...	...	77'00	44'40	'58	...	...	77'00	44'40	'58	
Do	1135 (1070)	New Volunteer	...	9	...	...	698'00	855'55	1'22	...	...	1,937'00	1,887'10	'97	
Do	1143 (799)	Normanby	...	6	...	...	131'00	101'90	'78	...	...	449'00	497'14	1'11	
Do	1278	Ophir	...	5	...	...	31'00	11'30	'36	...	...	31'00	11'30	'36	
Do	1150 (692), 1178	Princess leases	...	15	...	...	306'00	205'30	'67	...	...	1,242'00	1,237'85	'99	3 18 8½

Do	222, 653, 784, 1016, 1048, 1114	... ..	Princess (Murchison) Con- solidated, Ltd.	a. r. p. 37 2 27	...	...	348'00	497'40	1'43	...	...	6,276'50	5,861'30	'93		
Do	1151	Queen of the May	...	12	...	...	847'00	758'05	'89	...	...	1,471'00	1,365'98	'93		
Do	1266	Real Mackay	...	Surr.	...	...	40'00	15'25	'38	...	...	40'00	15'25	'38		
Do	1248 (60)	Rising Sun	...	12	...	...	871'00	701'90	'80	...	...	951'00	746'75	'78	4 0 0	
Do	1262	Rising Sun North	...	6	...	...	56'00	39'90	'71	...	...	56'00	39'90	'71		
Do	1286 (662)	Rose of England	...	5	...	...	54'00	39'05	'72	...	...	54'00	39'05	'72		
Do	1046	Salisbury	...	24	...	...	290'00	90'15	'31	...	...	670'00	431'30	'64		
Do	1272	Sarepta	...	6	...	...	194'50	100'45	'52	...	...	194'50	100'45	'52	4 1 1	
Do	1044	South Volunteer	...	6	...	...	61'00	37'00	'60	...	...	61'00	37'00	'60		
Do	774	Twilight	...	6	...	...	342'00	220'20	'64	...	...	1,628'00	1,631'74	1'00		
Do	1279 (1037)	Union Jack	...	Wdn.	...	...	53'00	19'80	'37	...	...	53'00	19'80	'37		
Do	1145, 1214, 1231	Volunteer South Extended leases	...	a. r. p. 15 3 3	...	...	1,465'00	1,660'60	1'13	...	...	3,000'00	2,973'83	'99	3 19 0	
Do	1172	West Australian	...	6	...	...	100'00	10'40	'10	...	...	100'00	10'40	'10		
Do	...	Voided leases	...	...	...	...	...	...	...	...	152'40	14,125'00	11,359'56	...		
Do	...	Sundry claims	...	...	...	...	62'00	31'15	...	15	289'80	3,644'35	3,022'44	...		
Reedy's Find	1236	Bellerophon	...	12	...	...	20'00	7'25	'36	...	...	29'00	13'73	'47		
Do	...	Voided leases	...	...	...	...	...	...	...	...	35'00	...	2'32	...		
Do	...	Sundry claims	...	...	68'97	95	50'05	47'05	...	134'32	95	50'05	47'05	...		
Tuckanarra	1182, 1190, 1197, 1203/5	Anchor Consolidated G.Ms., W.A., Ltd.	...	66	...	...	3,837'00	3,028'37	'79	...	...	4,547'00	3,840'87	'84	3 16 8	
Do	1192	Bachelor	...	12	...	...	38'00	100'45	2'64	...	24'65	72'00	218'90	3'04	4 0 0	
Do	1190	(Blue Anchor)	...	...	...	...	...	...	...	...	...	43'00	21'50	'50		
Do	1199	Cable	...	6	...	...	111'00	108'10	'97	...	...	176'50	181'63	1'03	3 16 6	
Do	1280 (1184)	Douglas Boulder	...	6	...	...	25'00	28'20	1'13	...	...	25'00	28'20	1'13		
Do	1285	General Gordon	...	12	...	...	10'00	32'00	3'20	...	...	10'00	32'00	3'20		
Do	1226	Rand	...	V.N.P.	...	5'30	...	...	...	...	35'30	10'00	32'50	3'25		
Do	1182	(Trilby)	...	...	...	...	...	...	...	...	...	240'50	302'05	1'25		
Do	1218	Trilby Block 1	...	12	...	...	28'00	5'40	'19	...	...	132'50	80'05	...		
Do	1196	Trilby No. 1	...	12	...	...	7'50	1'40	'19	...	...	7'50	1'40	'19		
Do	...	Voided leases	...	...	...	...	...	...	...	...	674'82	476'00	282'93	...		
Do	...	Sundry claims	...	...	...	...	156'00	242'30	...	...	34'65	957'50	4,227'36	...		
Weld Range	1249	Cundy	...	V.N.P.	...	...	2'00	70'35	...	...	...	2'00	70'35	...		
Do	...	Voided leases	...	...	...	...	...	...	...	...	...	5,189'50	3,234'68	...		
Do	...	Sundry claims	...	...	...	...	...	...	...	...	...	18'00	17'40	...		
<i>From District generally—</i>																
Sundry parcels treated at Cue Gold Recovery Works				...	...	...	...	...	...	...	...	...	...	...	...	...
Do	do	Cue Public Battery	...	...	...	...	1,006'50	373'30	...	...	...	2,099'00	926'56	...		
Do	do	Cue Victory Battery	...	...	...	...	65'00	1,677'15	...	...	...	382'02	2,045'18	...		
Do	do	Eureka No. 5 Battery	...	...	...	...	...	...	...	...	...	15'00	4'80	...		
Do	do	Gem of Cue Cyanide Works	...	...	...	...	...	cy.1,496'68	...	...	...	...	1,496'68	...		
Do	do	Lady Mary Cyanide Works	...	...	...	...	...	cy.1,788'55	...	...	...	...	3,180'40	...		
Do	do	Government Public Battery, Tuckanarra	...	...	...	...	196'50	108'20	...	...	...	220'50	113'70	...		
Do	do	Victory United Battery	...	...	...	...	...	...	...	...	...	16'50	93'15	...		
Do	do	Weld Range Cyanide Works	...	...	...	...	...	cy.333'75	...	...	...	...	333'75	...		
Notices of Purchase				...	74'60	...	...	...	...	214'34	8'44	...	...	...		
Total				...	143'57	11'70	17,493'55	20,614'33	1'18	348'81	1,311'86	128,523'67	†132,400'34	1'30	3 16 8†	

† Also ounces from unknown tons, Black Swan ... 125'00  
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

TABLE IV.—Production of Gold from all sources, etc.—continued.

Murchison Goldfield—continued.

NANNINE DISTRICT.

MINING CENTRE.	NUMBER OF LEASE.	NAME OF LEASE.	REGISTERED NAME OF COMPANY.	Area in Acres	TOTAL FOR 1901					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1901.
					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.	£ s. d.
Abbotts ...	382N ...	Cashman's Reward ...	...	12	...	...	6.50	12.25	1.88	...	...	6.50	12.25	1.88	
Do ...	171N ...	Mt. Vranizan ...	...	12	...	...	1,058.00	1,118.10	1.06	...	...	8,144.00	9,663.10	1.19	
Do ...	172N, 247/8N ...	...	New Murchison King G.Ms.	42	...	...	2,551.00	3,732.55	1.46	...	...	10,766.00	16,963.85	1.57	3 18 3½
Do ...	...	Voided leases ...	...	12	...	...	...	...	...	...	...	58.50	65.00	...	
Burnakura ...	238N (84N) ...	Alliance ...	...	12	...	...	536.00	697.85	1.30	...	...	1,118.00	1,670.40	1.19	
Do ...	295N ...	Alliance North ...	...	V.N.P.	...	...	7.00	4.12	.59	...	...	7.00	4.12	.59	
Do ...	250N ...	Juett's United ...	...	12	...	168.75	100.00	438.35	4.38	...	3,507.45	200.00	823.50	4.11	
Do ...	...	Voided leases ...	...	...	...	...	...	...	...	...	...	381.50	646.75	...	
Do ...	...	Sundry claims ...	...	...	...	...	...	...	...	...	...	25.00	22.30	...	
Chesterfield ...	368N ...	Adelaide Ethel ...	...	12	...	...	5.00	11.35	2.27	...	4.00	5.00	11.35	2.27	
Do ...	386N ...	Big Scotchman ...	...	12	...	...	4.50	4.55	1.01	...	...	4.50	4.55	1.01	
Do ...	357N ...	Dorothy ...	...	12	...	...	20.75	395.75	...	...	...	20.75	395.75	...	
Do ...	365N ...	Dorothy North ...	...	12	...	...	44.50	92.28	2.07	...	...	44.50	92.28	2.07	
Do ...	364N ...	Florence ...	...	Ftd.	...	17.60	...	...	...	...	17.60	...	...	...	
Do ...	375N ...	Latest Christmas Gift ...	...	12	...	...	9.00	10.50	1.16	...	...	9.00	10.50	1.16	
Do ...	361N ...	Margueritta ...	...	12	...	80.70	21.50	162.15	7.54	...	120.40	21.50	162.15	7.54	3 15 3
Do ...	...	Sundry claims ...	...	...	...	...	1.50	13.70	...	...	...	1.50	13.70	...	
Gabarintha ...	370N ...	Band of Hope ...	...	6	...	...	101.00	161.95	1.60	...	...	101.00	161.95	1.60	
Do ...	340N ...	Copper King ...	...	Surr.	...	...	14.50	1.85	.13	...	...	14.50	1.85	.13	
Do ...	379N ...	Mountain View ...	...	6	...	...	43.00	33.20	.77	...	...	43.00	33.20	.77	
Do ...	32N, 46N ...	...	Nannine Goldfields, Ltd.	12	...	...	2,013.00	839.45	.41	...	...	2,858.00	1,170.45	.41	
Do ...	32N ...	(Tumbulgum) ...	...	...	...	...	...	...	...	...	...	670.50	307.12	.45	
Do ...	46N ...	(Tumbulgum Extended) ...	...	...	...	...	...	...	...	...	...	63.00	97.95	1.55	
Do ...	...	Voided leases ...	...	...	...	...	...	...	...	...	...	2,947.00	3,300.12	...	
Do ...	...	Sundry claims ...	...	...	...	...	61.00	87.80	...	...	...	170.00	137.83	...	
Garden Gully ...	27N ...	Crown ...	...	9	...	...	...	cy. 163.70	...	...	...	260.00	646.80	2.48	
Do ...	...	Sundry claims ...	...	...	...	...	12.00	48.10	...	...	...	12.00	48.10	...	
Jillawarra ...	311N ...	Jillawarra ...	...	24	...	...	30.00	62.25	2.07	...	...	40.00	96.15	2.40	
Meekatharra ...	337N ...	Albion ...	...	Ftd.	...	...	25.00	10.20	.41	...	...	25.00	10.20	.41	
Do ...	283/4N ...	Commodore leases ...	...	32	...	...	297.25	1,113.80	3.75	...	...	415.25	1,495.80	3.60	
Do ...	313N ...	Halcyon ...	...	12	...	...	304.25	233.80	.76	...	2.45	327.25	287.80	.88	3 18 0
Do ...	318N ...	Halcyon North ...	...	12	...	...	77.25	48.40	.62	...	...	107.25	100.15	.93	
Do ...	279N ...	Havelock South ...	...	12	...	...	188.00	191.05	1.02	...	...	188.00	191.05	1.02	4 1 6
Do ...	236N ...	Haveluck ...	...	12	...	...	580.75	355.80	.61	...	...	770.75	602.50	.78	
Do ...	257N ...	Haveluck Extended ...	...	12	...	...	203.00	73.95	.36	...	...	203.00	73.95	.36	
Do ...	363N ...	Ingliston ...	...	12	...	...	114.00	245.60	2.15	...	...	114.00	245.60	2.15	3 17 6
Do ...	293N ...	Little Sweetheart ...	...	12	...	...	22.50	14.20	.63	...	...	22.50	14.20	.63	
Do ...	93N ...	N. 93 ...	...	12	...	...	753.00	561.10	.74	...	...	988.00	1,002.25	1.01	
Do ...	402N (373N) ...	Phoenix No. 1 ...	...	12	...	...	22.00	15.50	.70	...	...	22.00	15.50	.70	
Do ...	372N ...	Pioneer ...	...	12	...	...	283.00	251.70	.89	...	...	283.00	251.70	.89	
Do ...	373N ...	Pioneer Block ...	...	Ftd.	...	...	10.00	7.80	.78	...	...	10.00	7.80	.78	
Do ...	246N ...	Sirdar ...	...	12	...	5.70	80.25	54.15	.67	...	64.01	118.25	111.95	.94	

Do	323N	St. George	12	142'00	75'20	'53	142'00	75'20	'53	237'50	334'72					
Do		Voided leases								66'50	152'05					
Do		Sundry claims		38'50	40'30											
Munara Gully	230/1N, 265/6N, 314N, 322N	After Many Years leases	54		cy. 88'00		11,321'00	5,815'73	'51							
Do	259N	Beautiful Infant	Surr.	488'50	408'85	'84		1,101'00	1,372'30	1'24						
Do	342, (219N)	Commonwealth	12	336'00	381'20	1'13		377'00	448'90	1'19	4	1	4			
Do		Voided leases						135'75	265'55							
Nannine	242N, 261N (267N)		24				62'85	93'00	227'82	2'45						
Do	273N (168N)	Caledonian	6	185'00	713'50	3'85		324'00	920'65	2'84						
Do	8N	Caledonian Extended	6	81'00	352'00	4'34		307'00	1,777'12	5'79						
Do	10N, 11N, 13N, 17N, 37N, (43N)		36	1,383'00	380'40	'27		17,600'00	8,519'83	'48	3	8	3½			
Do	7N, 15N, (42N, 44/5N, 47N, 67N)		24		cy. 1,322'55			13,914'00	9,427'81	'68						
Do	16N, 166N	Nannine leases	24	16'00	1,148'24			4,714'00	10,278'13	2'18						
Do	264N	New Caledonian	6	40'00	58'90	1'47		105'00	135'90	1'29						
Do	18N		12	407'00	170'55	'42		717'50	590'40	'82						
Do	249N		24	1,258'00	794'80	'63		2,408'00	1,317'70	'55	3	10	0½			
Do	343N	Referendum	Surr.	23'00	34'50	1'50		41'00	50'00	1'22						
Do	25N	Royalist Consolidated	9	16'00	215'02		22'50	762'53	4,098'45	5'37	3	15	8¼			
Do		Voided leases						8,936'00	6,802'10							
Do		Sundry claims		84'00	106'35			598'50	1,026'05							
Nowthanna		Voided leases						524'00	451'65							
Quinn's		Voided leases					17'37									
Do		Sundry claims					103'03									
Stake Well		Voided leases						92'00	35'62							
Star of the East	174N		25	1,013'00	1,803'36	1'78		26,431'00	27,498'65	1'04	2	19	10			
Do		Voided leases						222'24								
<i>From District generally—</i>																
Sundry parcels treated at Queen of the Lake Battery								10'00	26'00							
Do do Nannine Cyanide Works									202'76							
Alluvial				950'00			1,300'00									
Notices of Purchase							1'90									
Total				950'00	272'75	15,111'00	19,363'57	1'28	1,301'90	3,921'66	122,769'78	123,046'85	1'00	3	7	4¼

DAY DAWN DISTRICT.

				ozs.	ozs.	tons.	ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	£ s. d.			
Day Dawn	215D	Bonnie Scotland	12			6'50	16'25	2'50			6'50	16'25	2'50				
Do	22D	Crème d'Or	9								243'00	187'80	'77				
Do	14D, (71D)	Crossus	6								1,138'00	1,788'81	1'57				
Do	214D	Edward VII.	6	10'00	45'00				10'00	45'00							
Do	15D, 176D		18			28'00	14'00	'50			1,766'70	2,908'03	1'64	3	15	0	
Do	26D	Eureka No. 5	12			80'00	59'95	'75			1,280'25	1,413'62	1'10	3	15	10	
Do	239D	Fingall	24			50'00	27'50	'55			50'00	27'50	'55				
Do	1D, 2D, 86D, 129D, 170D, 185/7D, 210D, 224D		a. r. p. 112	1	26	39,984'00	67,044'86	1'68			84,313'00	106,958'12	1'27	3	7	11	
Do	179D (149D)	Kinsella	6				cy. 111'00			3'50	106'50	186'38	'70				
Carried forward						10'00	45'00	40,148'50	67,273'56		10'00	48'50	88,903'95	113,486'51			

TABLE IV.—Production of Gold from all sources, etc.—continued.

Murchison Goldfield—continued.

DAY DAWN DISTRICT—continued.

MINING CENTRE.	NUMBER OF LEASE.	NAME OF LEASE.	REGISTERED NAME OF COMPANY.	Area in Acres.	TOTAL FOR 1901					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1901.
					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.	£ s. d.
			Brought forward ...	...	10·00	45·00	40,148·50	67,273·56	...	10·00	48·50	88,903·95	113,486·51	...	
Day Dawn	138D, 166/7D	...	Murchison Associated G.Ms., Ltd.	18	...	...	52·00	14·12	·27	...	...	1,542·50	1,062·72	·69	
Do	M.L. 1D	Nimrod	...	Ftd.	...	...	30·00	46·30	1·54	...	...	30·00	46·30	1·54	
Do	282D	Revenue	...	Wdn.	...	...	20·00	4·70	·23	...	...	20·00	4·70	·23	
Do	181D (156D)	Royal Charter	...	12	...	...	30·00	12·10	·40	...	36·80	115·00	192·88	1·68	
Do	119D	St. Albans	...	12	...	...	...	...	...	...	...	43·00	16·80	·39	
Do	267D (174D)	Try Again	...	12	...	...	6·00	7·50	1·25	...	...	6·00	7·50	1·25	
Do	196D	Welcome	...	12	...	...	17·50	21·35	1·22	...	...	17·50	21·35	1·22	
Do	...	Voided leases	...	...	...	...	...	...	...	1·70	222·33	17,539·75	13,121·80	...	
Do	...	Sundry claims	...	...	...	...	39·00	33·25	...	...	29·19	364·50	598·89	...	
Inland	9D	(Eureka)	...	...	...	...	...	...	...	...	...	143·20	529·00	3·69	
Do	35D	(Evening Star)	...	...	...	...	...	...	...	...	...	1,253·00	429·00	·34	
Do	35D, 42D, 68/9D, 70D, 74D, 79D, 143D	...	Golconda G.Ms., Ltd.	a. r. p. 89 3 22	...	...	...	...	...	...	...	9,522·00	19,361·29	2·03	
Do	5D, 9D, 142D	...	Island Eureka G.M. Co., N.L.	16 2 25	...	...	2,405·00	3,426·30	1·42	...	...	4,075·20	8,265·64	2·03	3 18 6
Do	155D	New Orient	...	6	...	...	...	...	...	...	...	731·50	3,433·03	4·69	
Do	11D	Von Moltke	...	4	4·00	37·00	...	...	...	33·00	39·91	...	...	...	
Do	...	Voided leases	...	...	...	...	...	...	...	...	63·68	1,960·10	1,429·66	...	
Do	...	Sundry claims	...	...	...	...	...	...	...	9·00	...	...	...	...	
Mainland	204D	Ingot	...	6	...	34·50	...	...	...	...	34·50	...	...	...	
Do	6D, 60/1D, M.A. 1D	...	Mainland Consols Ltd.	48	...	...	372·00	405·50	1·09	...	...	5,848·15	20,781·67	3·55	4 0 0
Do	...	Voided leases	...	...	...	...	...	...	...	...	1,517·39	388·25	1,530·08	...	
Webb's Patch	...	Sundry claims	...	...	...	84·05	...	...	...	...	84·05	...	...	...	
<i>From District generally—</i>															
		Sundry parcels treated at Day Dawn Public Battery	...	...	...	...	...	con. 96·10 cy. 190·00	...	...	...	125·00	955·32	...	
	Do	do Day Dawn South No. 1 Battery	...	...	...	...	...	...	...	...	...	380·00	505·50	...	
	Do	do Eureka No. 5 Battery	...	...	...	...	31·50	22·20	...	...	...	250·50	122·82	...	
	Do	do Island Lake Austin Battery	...	...	...	...	...	...	...	...	...	119·00	53·00	...	
		Notices of Purchase	...	...	...	...	...	...	...	27·61	2·57	...	...	...	
			Total	...	14·00	200·55	43,151·50	71,552·98	1·66	81·31	2,078·92	133,378·10	185,955·46	1·39	3 8 6

MOUNT MAGNET DISTRICT.

					ozs.	ozs.	tons.	ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	£ s. d.
Boogardie	361m	...	Australian Gold Recovery Co., Ltd.	10	...	...	41-00	51-50	1-26	...	...	1,568-00	1,667-07	1-06	
Do	522m	Boomer	...	5	...	...	105-00	22-52	21	...	...	105-00	22-52	21	
Do	507m	Bronzewing	...	6	...	...	...	...	...	...	47-75	...	...	...	
Do	553m (171m)	Briars	...	12	...	...	12-00	21-60	1-80	...	...	12-00	21-60	1-80	
Do	489m	Comet	...	6	...	...	...	...	...	...	1-00	18-00	14-50	80	
Do	490m (148m)	Cushie Doo	...	6	...	51-50	29-00	60-75	2-09	...	87-80	45-00	256-75	5-70	
Do	A.C. 1m	Deep Alluvial Claim	...	...	...	...	387-00	112-20	2-29	...	...	2,392-00	959-84	4-40	
Do	172m	Eclipse	...	V.N.P.	...	...	97-00	56-60	5-8	...	4-80	400-00	821-45	2-05	4 1 0
Do	264m	Eclipse Extended	...	12	...	...	43-73	77-64	1-77	...	...	914-75	1,830-59	2-00	
Do	530m	Emily Bennett	...	Wdn.	...	...	15-00	3-40	2-22	...	...	15-00	3-40	2-22	
Do	520m	Federal	...	6	...	2-70	4-00	4-40	1-10	...	2-70	4-00	4-40	1-10	
Do	500m	General Roberts	...	Ftd.	...	...	48-00	10-45	2-22	...	...	74-00	51-70	70	
Do	524m (459m)	Golden Stream	...	Surr.	...	...	33-00	7-90	2-24	...	...	142-00	36-95	2-26	
Do	548m (524m)	Golden Stream	...	6	...	...	42-50	16-10	3-8	...	...	42-50	16-10	3-8	
Do	502m (470m)	Havelock (late Hesperian Consolidated)	...	10	...	...	65-50	32-83	5-0	...	55-00	181-50	173-63	95	
Do	465m (386m)	Hesperus Dawn	...	10	...	...	55-50	269-00	4-85	...	...	521-98	1,860-95	3-56	
Do	190m	Jupiter No. 1	...	18	...	80	299-00	130-55	4-4	18-03	80	1,454-15	1,152-22	79	3 13 6
Do	445m (173m)	Neptune	...	12	...	273-76	158-00	697-05	4-41	...	557-80	452-00	1,161-15	2-57	3 16 8
Do	538m	Saturn	...	6	...	...	30-00	10-40	3-4	...	...	30-00	10-40	3-4	
Do	455m (336m)	Star of the West	...	V.N.P.	...	...	11-00	17-62	1-60	...	...	161-00	96-85	60	
Do	555m	Sun	...	Surr.	...	...	17-00	3-10	1-18	...	...	17-00	3-10	1-18	
Do	479m (408m)	Venus	...	Ftd.	...	...	23-00	2-55	1-11	...	...	90-00	23-90	2-26	
Do	...	Voided leases	...	...	...	...	...	...	...	...	273-72	4,279-45	5,466-68	...	
Do	...	Sundry claims	...	...	...	1-81	291-00	159-87	...	...	5-86	1,363-00	647-89	...	
Lennonville	48m	Brilliant	...	9	...	...	...	...	...	...	...	527-00	564-15	1-07	
Do	3 27 m, 3 46 m, 363m, 466m	Burra Burra leases	...	a. r. p. 34 2 15	...	...	88-00	53-10	60	...	...	1,063-50	3,400-25	3-19	3 16 6
Do	80m, R.C. 2m	...	Colonial Consolidated Finance Corporation, Ltd.	Surr.	...	...	270-00	92-00	3-4	...	...	4,934-00	3,103-02	63	
Do	333m	Fair Play	...	6	...	...	...	...	...	...	...	290-00	458-32	1-58	
Do	535m (399m)	Gambier	...	6	...	...	96-00	108-15	1-12	...	...	102-50	112-05	1-09	3 17 10½
Do	511m	Golden Hill	...	12	...	...	105-00	25-25	2-4	...	...	238-50	71-71	30	
Do	41m, 52m, 508m	Golden Treasure leases	...	a. r. p. 17 3 20	...	...	239-00	138-72	5-8	...	...	1,323-00	890-49	6-67	
Do	225m	Grand Gorge	...	Abd.	...	...	18-00	10-20	5-7	...	...	339-50	904-22	2-66	
Do	549m (225m)	Grand Gorge	...	6	...	...	109-00	73-85	6-8	...	...	109-00	73-85	6-8	
Do	494m	Helm	...	5	...	...	20-00	16-85	8-4	...	...	20-00	16-85	8-4	
Do	559m	Kathleen	...	Wdn.	...	...	5-00	6-50	1-30	...	...	5-00	6-50	1-30	
Do	541m	Last Chance	...	6	...	...	54-00	20-55	3-8	...	...	54-00	20-55	3-8	
Do	556m	Last Chance United	...	6	...	...	54-00	17-07	3-1	...	...	54-00	17-07	3-1	
Do	512m	Lennonville	...	12	...	...	186-00	169-70	9-1	...	...	197-00	171-70	8-7	
Do	30/1m, 39m, 247m, 433m	...	Long Reef G.M. Co., Ltd.	51	...	...	18,692-00	13,016-08	6-9	...	...	41,809-25	30,518-49	7-3	3 16 8
Do	542m	Long Reef Central	...	6	...	...	144-00	66-20	4-6	...	...	144-00	66-20	4-6	
Do	539m	Mount Blanc	...	6	...	...	14-00	3-00	2-1	...	...	14-00	3-00	2-1	
Do	514m (394m)	Queenslander	...	Surr.	...	...	83-50	29-95	3-6	...	...	179-50	82-65	4-6	
Do	552m (514m)	Queenslander	...	12	...	...	71-00	50-57	7-1	...	...	71-00	50-57	7-1	
Do	517m (35m)	Rock of Ages	...	a. r. p. 11 0 12	...	...	112-00	99-47	8-9	...	...	146-00	118-44	8-1	
Do	436m (393m)	Speedwell	...	6	...	...	...	...	...	...	9-66	16-00	23-40	1-46	
Do	421m (334m)	Splendour	...	6	...	...	135-50	109-18	8-0	...	...	456-25	452-52	9-9	
Do	405m (47m)	Sullivan's Dunlop	...	12	...	...	63-00	90-85	1-44	...	...	442-00	394-03	8-9	
		Carried forward	...	...	...	...	330-57	22,366-23	15,965-27	...	18-03	1,046-89	66,817-33	57,823-67	...



TABLE IV.—Production of Gold from all sources, etc.—continued.

Murchison Goldfield—continued.

MOUNT MAGNET DISTRICT—continued.

MINING CENTRE.	NUMBER OF LEASE.	NAME OF LEASE.	REGISTERED NAME OF COMPANY.	Area in Acres.	TOTAL FOR 1901.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1901.
					Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Average per ton treated.	
			Brought forward	...	...	ozs. 330·57	tons. 22,366·23	ozs. 15,965·27	...	ozs. 18·03	ozs. 1,046·89	tons. 66,817·33	ozs. 57,823·67	...	£ s. d.
Lennonville	57M	Welcome		12			373·00	602·25	1·61		2,550·20	1,691·00	3,491·89	2·06	3 19 0
Do	103M	Wheel of Fortune North		6			380·00	851·60	2·24			1,161·00	2,698·15	2·32	3 17 6
Do	151M	Wheel of Fortune South Block		6			251·15	990·05	3·94			597·65	2,453·03	4·10	3 18 1
Do	198M	Yuletide		V.N.P.			12·00	6·75	·56			66·00	48·93	·74	
Do		Voided leases									·62	3,242·45	2,941·03		
Do		Sundry claims					142·00	112·88				414·25	309·99		
Mt. Magnet	522M	Boomer		5			62·00	12·75	·20			62·00	12·75	·20	
Do	317M	Birthday		5 3 37								184·50	30·92	·16	
Do	545M	Britannia		12			146·00	131·57	·90			146·00	131·57	·90	
Do	7M, 206M, 257M, 301M, 313M, 315/6M, 324M, 355/6M		Chums Consolidated, Ltd.	99			689·00	990·30	1·44			11,984·00	28,278·50	2·36	2 14 8
Do	543M	Easter Gem		9			33·00	20·73	·63			33·00	20·73	·63	
Do	301M	(Golden Age)										77·00	109·65	1·42	
Do	457M (43M)	Iguana		12			84·00	98·05	1·16			320·00	406·15	1·27	4 3 2½
Do	562M	Kapai		10			18·00	1·50	·08			18·00	1·50	·08	
Do	314M, 317M, 320M	Morning Star leases		a. r. p. 23 3 37			8,074·00	6,948·73	·86			62,815·00	37,707·02	·60	3 12 9
Do	448M (9M)	Murchison		9			106·00	54·15	·51			588·00	559·29	·95	
Do	560M	Old Jock		9			12·00	12·85	1·07			12·00	12·85	1·07	
Do	476M	Paris		6			229·00	114·75	·50			662·00	370·61	·56	
Do	565M	Waikawa		6			44·00	34·15	·77			44·00	34·15	·77	
Do	120M, 339M		Western Syndicate, Ltd.	24		6·04	119·00	130·93	1·10		6·04	861·00	1,367·76	1·59	
Do		Voided leases										4,753·60	3,492·75		
Do		Sundry claims					166·00	150·03				23·07	1,833·60	2,447·70	
Mt. Magnet East	367M	Christmas Gift		Surr.			14·00	3·95	·28		77·50	41·80	66·25	1·58	
Do	388M	Hannah May		Surr.			15·00	2·50	·17		5·23	61·50	18·23	·30	
Do	415M	Havela		12			162·00	76·78	·47		247·74	243·00	121·20	·50	3 15 7½
Do	414M	Johnston's Treasure		V.N.P.			83·00	36·35	·44		11·40	167·00	132·90	·80	
Do	460M	Killarney		12			125·00	80·30	·64			449·00	306·25	·68	
Do	416M	Lady Maud		12			57·00	74·88	1·31		5·00	147·00	175·68	1·19	
Do	558M	Maori Chief		12			57·00	74·00	1·30			57·00	74·00	1·30	
Do	381M	Mount Ford		6		4·80	57·00	1·77	1·43		4·80	76·00	206·45	2·71	
Do	382M	South Australian		V.N.P.			53·00	17·55	·33		272·55	103·50	81·40	·79	
Do	413M	Surprise		12			40·00	264·50	6·61	69·50	155·00	147·00	476·17	3·24	4 1 8
Do	340M	Windsor Castle									2·05	4·70	13·85	2·94	
Do	340M, 352M, 451M, 468M		Windsor Consolidated (W.A.) G.Ms., Ltd.	63			2,366·00	487·15	·20			2,896·00	654·65	·22	3 11 0

Do	...	...	...	Voided leases	...	...	...	...	...	...	...	...	26'91	21'25	22'01	...	...			
Do	...	...	...	Sundry claims	...	...	...	...	...	...	...	...	6'30	202'50	151'49	...	...			
Moyagee	326M	...	...	Louise	...	...	...	12	...	...	...	...	...	205'00	268'48	1'31	...			
Do	...	...	...	Voided leases	...	...	...	...	...	...	...	...	...	112'50	60'08	...	...			
Do	...	...	...	Sundry claims	...	...	...	...	...	...	...	...	...	5'00	50	...	...			
Warringee	465M, 544M	503M	...	Empress leases	...	...	...	19	0	32	...	...	...	162'00	615'40	3'80	...			
Do	343M	...	...	Galtee More	...	...	...	12	...	...	...	...	...	759'00	491'07	65	...			
Do	201M	...	...	Golden Gem	...	...	...	6	...	29'70	...	...	...	46'00	119'00	2'59	...			
Do	537M	...	...	Just the Thing	...	...	...	Surr.	...	...	...	...	...	8'00	2'40	30	...			
Do	341M	...	...	Waringee	...	...	...	12	...	75	...	...	...	3'35	77'00	72'83	94			
Do	...	...	...	Voided leases	...	...	...	...	...	...	...	...	...	29'65	374'75	517'31	...			
Do	...	...	...	Sundry claims	...	...	...	...	...	...	...	...	...	13'50	154'00	141'56	...			
<i>From District generally—</i>																				
Sundry parcels treated at Australian Gold Recovery Works ...																				
Do	do	Government Public Battery, Lennonville	...	...	...	...	...	...	...	...	...	...	...	25'00	...	...	...			
Do	do	Murchison New Chum Works	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...			
Alluvial	...	...	...	...	...	...	...	...	304'50	...	...	...	...	304'50	...	...	1,382'75			
Total																				
										304'50	371'86	37,457'38	32,792'12	87	392'03	4,523'00	167,089'38	158,433'67	95	3 15 04

### Yalgoo Goldfield.

MINING CENTRE.	NUMBER OF LEASE.	NAME OF LEASE.	REGISTERED NAME OF COMPANY.	Area in Acres.	TOTAL FOR 1901.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1901.	
					Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Average per ton treated.		
Bilberatha	...	Voided leases	...	...	ozs.	ozs.	tons.	ozs.	ozs.	ozs.	ozs.	ozs.	ozs.	ozs.	...	£ s. d.
Carlaminda	...	Voided leases	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Do	...	Sundry claims	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Field's Find	441/3	...	Field's Find G.Ms., Ltd.	60	...	...	10,719'00	7,392'31	69	...	...	28,277'00	19,408'55	68	...	...
Do	392	Golden Eagle	...	12	...	1'50	57'00	26'07	46	...	1'50	184'00	72'00	39	...	...
Do	...	Sundry claims	...	...	...	3'00	22'00	19'50	...	...	42'00	75'25	69'02	...	...	...
Gullewa	449 (73), 459	Durham leases	...	V.N.P.	...	...	70'00	38'90	55	...	...	340'00	251'45	74	3 15 6	...
Do	170/1, 174	...	Monarch G.M. Syndicate	18	...	...	...	...	...	...	...	12'00	9'60	80	...	...
Do	34, 53/4, 445	...	Phoenix G.Ms., Ltd.	48	...	...	787'00	565'21	72	...	...	6,626'50	6,388'21	96	3 15 6	...
Do	...	Voided leases	...	...	...	...	...	...	...	...	...	134'00	99'80	...	...	...
Do	...	Sundry claims	...	...	...	...	...	...	...	...	...	30'00	8'70	...	...	...
Kirkalucka	...	Sundry claims	...	...	...	...	...	...	...	...	...	8'80	4'60	...	...	...
Noongal	(439), 440, Q.C. 30	Victoria United	...	6	...	...	164'00	103'45	63	...	...	519'00	255'92	49	3 14 6	...
Do	...	Voided leases	...	...	...	...	...	...	...	...	16'50	2,197'50	1,324'95	...	...	...
Do	...	Sundry claims	...	...	...	...	...	...	...	...	...	213'00	168'71	...	...	...
Nyngan	446/8	...	Pinyalling Discovery G.Ms. Ltd.	72	...	...	166'00	177'38	1'07	...	250'00	166'00	177'38	1'07	3 15 6	...
Do	...	Voided leases	...	...	...	...	...	...	...	...	...	1'00	7'00	...	...	...
Carried forward				...	...	4'50	11,985'00	8,322'82	...	...	310'00	40,077'37	28,952'61	...	...	...

TABLE IV.—Production of Gold from all sources, etc.—continued.

Yalgoo Goldfield—continued.

MINING CENTRE.	NUMBER OF LEASE.	NAME OF LEASE.	REGISTERED NAME OF COMPANY.	Area in Acres.	TOTAL FOR 1901					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1901.
					Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Average per ton treated.	
			Brought forward	...	ozs.	ozs.	tons.	ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	£ s. d.
Nynghan	...	Sundry claims	...	...	...	4'50	11,985'00	8,322'82	...	...	310'00	40,077'37	28,952'61	...	
Rothesay	...	...	Woodley's G.Ms., Ltd.	36	...	...	...	...	...	...	...	8,966'00	2,818'01	'31	
Wadgingarra	461 (386)	Broken Mount	...	12	...	...	4'65	4'95	1'06	...	...	13'15	17'15	1'30	
Do	462	Commonwealth (late Broken Mount North)	...	12	...	...	59'65	285'30	4'78	...	...	61'55	305'68	4'96	4 0 0
Do	467	Federal	...	12	...	...	9'00	3'10	'34	...	...	9'00	3'10	'34	
Do	...	Voided leases	...	...	...	...	...	...	...	...	...	302'91	216'30	...	
Yalgoo	481	Emerald Consols	...	12	...	40	10'00	7'00	'70	...	40	10'00	7'00	'70	
Do	129	Emerald Reward Consolidated	...	25	...	...	309'00	212'55	'69	...	...	401'00	334'20	'83	
Do	468	May Be	...	6	...	...	49'00	33'10	'67	...	...	49'00	33'10	'67	
Do	...	Voided leases	...	...	...	...	...	...	...	...	...	3,629'50	10,067'32	...	
Do	...	Sundry claims	...	...	...	...	49'00	33'65	...	...	...	63'00	37'84	...	
Yuin	409, 427, 430, 469, 470	Royal Standard leases	...	25	...	...	642'00	318'80	'49	...	...	2,962'00	1,578'00	'53	3 17 10½
<i>From Goldfield generally—</i>															
		Sundry parcels treated at Government Public Battery, Carlaminda	...	...	...	...	...	...	...	...	...	609'00	719'00	...	
		Do do Victorian United Battery	...	...	...	...	...	...	...	...	...	55'00	19'70	...	
		Notices of Purchase	...	...	12'08	...	...	...	...	12'08	...	...	...	...	
		Total	...	...	12'08	4'90	13,117'30	9,221'27	'70	12'08	310'40	57,226'48	45,135'31	'79	3 16 9½

# Mount Margaret Goldfield.

## MOUNT MALCOLM DISTRICT.

MINING CENTRE.	NUMBER OF LEASE.	NAME OF LEASE.	REGISTERED NAME OF COMPANY.	Area in Acres	TOTAL FOR 1901.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1901.	
					Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Average per ton treated.		
Diorite King	905c (474c)	Blue Jacket	...	12	ozs.	ozs.	tons.	ozs.	ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	£ s. d.
Do	837c	Chicago	...	6	...	274'35	10'00	5'30	'53	...	...	10'00	5'30	'53		
Do	335c, 528c, 574c, 583c	...	King of the Hills G.M. Co., Ltd.	78	...	...	3,130'00	2,070'82	'66	...	355'00	7,410'75	4,969'00	'67		
Do	777c (24c)	Kiora	...	V.N.P.	...	...	16'00	47'15	2'95	...	...	86'00	70'15	'81		
Do	441/2c, 865/6c, 881/2c	Mt. Stirling leases	...	96	...	...	292'00	441'58	1'51	...	...	1,474'00	1,978'28	1'34		
Do	643c (443c)	Werrigar	...	V.N.P.	...	...	16'00	30'30	1'90	...	...	155'00	358'95	2'31		
Do	...	Voided leases	...	...	...	...	...	...	...	...	58'53	2,849'73	8,468'65	...		
Do	...	Sundry claims	...	...	...	...	198'00	429'67	...	...	...	342'50	695'31	...		
Do	...	Voided leases	...	...	...	...	...	...	...	...	60'00	167'50	243'51	...		
Dodgers' Well	886c	All Nations	...	24	...	...	10'00	17'80	1'78	...	...	10'00	17'80	1'78		
Leonora	679c (503c)	Ashley's United	...	6	...	...	111'00	110'15	'99	...	...	220'00	292'88	1'33		
Do	731c (465c)	Clarence	...	V.N.P.	...	...	27'00	25'95	'96	...	...	85'00	88'75	1'04		
Do	908c (731c)	Clarence	...	12	...	...	27'00	71'20	2'64	...	...	27'00	71'20	2'64		
Do	820c	Clean Sweep	...	V.N.P.	...	...	3'00	17'55	5'85	...	...	3'00	17'55	5'85		
Do	689c	Clifton Hill	...	V.N.P.	...	...	34'00	18'15	'53	...	...	104'00	76'62	'73		
Do	210c, 253c	Forest leases	...	42	...	...	152'00	92'30	'61	...	66'25	843'00	1,231'33	1'46		
Do	796c	Kruger-Steyn	...	V.N.P.	...	11'00	2'50	74'75	...	...	11'00	2'50	74'75	...		
Do	195/6c...	Leonora Gold Blocks	...	36	...	...	17'00	43'50	2'56	...	...	3,909'00	7,000'26	1'79		
Do	826c	New Year's Surprise	...	15	...	1'00	21'00	31'25	1'49	...	1'00	28'00	92'25	3'29		
Do	818c	North Riviera	...	5	...	...	10'00	6'00	'60	...	...	10'00	6'00	'60		
Do	218/9c...	...	Octagon Explorers, Ltd.	48	...	...	1,364'00	321'75	'24	...	...	2,774'00	911'85	'33	3 12 8	
Do	618c	Pride of Leonora	...	12	...	...	273'00	233'65	'88	...	...	864'00	874'05	1'01		
Do	649c	Pride of Leonora North	...	12	...	...	...	...	...	...	...	18'00	6'45	'35		
Do	802c	Riviera	...	5	...	4'00	36'00	42'10	1'17	...	115'19	36'00	42'10	1'17		
Do	526c	Sons of Australia	...	V.N.P.	...	...	111'00	121'85	1'09	...	...	652'50	903'82	1'38		
Do	190c, 207c, 353c	...	Sons of Gwalia, Ltd.	72	...	...	115,380'00	68,490'13	'59	...	...	199,662'00	164,815'82	'82	3 15 2½	
Do	263c, (482c)	Trump	...	18	...	...	1,831'00	1,726'49	'94	...	...	4,236'35	7,776'27	1'84	3 6 6	
Do	835c	Victor	...	6	...	193'31	25'00	46'80	1'87	...	193'31	25'00	46'80	1'87	4 2 6	
Do	...	Voided leases	...	...	...	...	...	...	...	...	25'00	4,056'65	3,027'35	...		
Do	...	Sundry claims	...	...	...	...	182'00	302'50	...	...	...	508'00	625'39	...		
Malcolm	722c	Dumbarton	...	24	...	...	52'00	38'07	'73	...	...	188'00	211'87	1'13	3 10 0	
Do	856c (452c)	Flying Pig	...	1	...	...	70'00	103'85	1'48	...	...	70'00	103'85	1'48		
Do	756c	Golden Crown	...	18	...	...	...	...	...	...	...	299'00	352'15	1'17		
Do	637c	...	Golden Crown and Midas United G.M. Co., N.L.	24	...	...	303'00	276'72	'91	...	...	303'00	276'72	'91		
Do	637c (147c)	(Midas)	...	...	...	...	...	...	...	...	...	803'80	1,202'31	1'49	3 14 10	
Do	2c, 3c, 26c	...	North Star G.Ms., Ltd.	36	...	...	2,352'00	2,248'25	'95	...	...	12,645'75	12,429'96	'98	3 15 0	
Do	12c, (634c)	...	Richmond Gem G.M. Co., N.L.	24	...	...	...	cy. 598'54	...	...	...	1,895'00	2,743'64	1'45		
Do	596c	South Star	...	24	...	...	...	...	...	...	...	133'00	146'10	1'09		
Do	...	Voided leases	...	...	...	...	...	...	...	...	...	1,968'12	2,697'22	...		
Do	...	Sundry claims	...	...	...	...	32'00	20'00	...	...	...	193'50	176'35	...		
			Carried forward	...	...	483'66	126,087'50	78,109'12	...	...	1,159'63	249,068'65	225,133'61	...		

TABLE IV.—Production of Gold from all sources, etc.—continued.

Mount Margaret Goldfield—continued.

MOUNT MALCOLM DISTRICT—continued.

MINING CENTRE.	NUMBER OF LEASE.	NAME OF LEASE.	REGISTERED NAME OF COMPANY.	Area in Acres.	TOTAL FOR 1901					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1901.
					Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Average per ton treated.	
			Brought forward ...	...	ozs.	ozs.	tons.	ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	£ s. d.
					483·66	126,087·50	78,109·12	...	...	1,159·63	249,068·65	225,133·61	...	...	
Mertondale	798c	Barnes' Boulder	...	24	...	5·00	1·30	·26	...	...	5·00	1·30	·26	...	
Do	645c	Merton's Consols	...	12	...	...	...	...	...	...	23·00	77·75	3·38	...	
Do	638c, R.C. 1c	Merton's Reward North	...	24	...	5,200·00	10,450·00	2·01	...	...	11,396·50	21,842·85	1·91	3 17 6	
Do	648c	Merton's Reward No. 1 North	...	24	...	...	...	...	...	...	122·00	102·63	·84	...	
Do	816c	Wild Cat	...	24	...	105·00	107·15	1·02	...	...	105·00	107·15	1·02	...	
Do	...	Voided leases	...	...	...	...	...	...	...	...	122·50	73·95	...	...	
Mt. Flora	828c, (125c), 829c, (541c), 830c, (581c)	...	Australia United Mining Co., Ltd.	30	...	1,126·00	3,201·70	2·84	...	...	9,171·00	16,337·77	1·78	...	
Do	797c	Grey Hills	...	V.N.P.	...	7·00	9·15	1·31	...	...	30·50	87·70	2·87	...	
Do	541c	(Imperial Reward)	...	...	...	...	...	...	...	...	346·00	1,053·65	3·04	...	
Do	581c	(Lady Ivy)	...	...	...	...	...	...	...	...	59·00	437·15	7·40	...	
Do	716c	Princess Iris	...	12	...	10·00	16·00	1·60	...	...	115·00	122·85	1·07	...	
Do	779c	Spion Kop	...	V.N.P.	...	10·00	21·20	2·12	...	...	20·00	74·45	3·72	...	
Do	125c	(United Australia)	...	...	...	...	...	...	...	...	149·00	163·36	1·09	...	
Do	805c	West United	...	V.N.P.	...	16·00	6·20	·38	...	...	16·00	6·20	·38	...	
Do	...	Voided leases	...	...	...	...	...	...	...	...	1,822·79	375·00	789·93	...	
Do	...	Sundry claims	...	...	...	80·00	...	...	...	...	80·00	66·00	35·96	...	
Murrin Murrin	838c (563c)	Bendigo New Chum	...	5	...	12·00	13·40	1·11	...	...	12·00	13·40	1·11	...	
Do	845c	Elbe	...	5	...	22·00	39·00	1·77	...	...	22·00	39·00	1·77	...	
Do	11c, 36c, 38/9c, (42c, 90c), 99c	...	Mt. Malcolm Mines, Ltd.	108	...	2,944·00	2,566·31	·87	...	...	36,750·50	26,668·01	·72	...	
Do	699c	Murrin Murrin Proprietary	...	24	...	...	...	...	...	...	10·00	8·00	·80	...	
Do	15c, 361c	...	Princess Alix G.Ms., Ltd.	30	...	...	...	...	...	...	1,065·00	1,798·00	1·68	...	
Do	532c	Proprietary Extended	...	12	...	324·00	253·25	·78	...	...	525·50	412·65	·78	...	
Do	642c (172c)	Umpire	...	V.N.P.	...	225·00	152·00	·67	...	...	421·00	345·00	·82	3 16 9	
Do	...	Voided leases	...	...	...	...	...	...	...	...	104·50	1,339·42	2,228·66	...	
Do	...	Sundry claims	...	...	...	...	...	...	...	...	82·25	138·01	...	...	
Randwick	782c (632c)	Anaconda Gold Reefs	...	V.N.P.	...	50·00	57·16	1·14	...	...	50·00	57·16	1·14	...	
Do	52/3c	...	Arrow Brown Hill G.M. Co., Ltd.	24	...	...	cy, 879·50	...	...	...	2,168·00	2,864·90	1·32	...	
Do	227c	East Lynne	...	24	...	58·60	129·00	431·90	3·35	...	59·60	392·04	1,046·40	2·67	...
Do	705c (449c)	English and Scottish	...	9	...	...	28·00	52·00	1·86	...	...	84·50	212·60	2·51	3 17 10½
Do	819c (639c)	Federal	...	V.N.P.	...	...	40·00	20·15	·50	...	...	80·00	67·00	·84	...
Do	857c	Golden Chain	...	5	...	...	20·00	71·45	3·57	...	...	20·00	71·45	3·57	...
Do	788c (629c)	Nevertire	...	6	...	466·00	4·00	145·60	...	...	1,271·00	4·00	145·60	...	3 18 6
Do	...	Voided leases	...	...	...	...	...	...	...	...	325·00	515·40	1,688·79	...	
Do	...	Sundry claims	...	...	...	50·00	...	31·75	...	...	...	117·00	70·05	...	

Webster's	65/6c, 115c	...	...	...	Webster's G.M. Co., Ltd., (late Webster's Find, Ltd.)	44	...	...	1,041'00	311'50	'30	...	...	6,101'00	4,021'17	'66	3 10 0	
Do	...	...	Voided leases	...	...	...	...	...	...	...	...	...	...	207'55	203'41	...	...	
Do	...	...	Sundry claims	...	...	...	...	8'00	5'65	...	...	...	...	230'50	193'70	...	...	
<i>From District generally—</i>																		
Sundry parcels treated at Diorite King Consols Battery																		
Do	do	...	Midas Battery	...	...	...	...	...	cy. 295'05	...	...	...	...	...	295'05	...	...	
Do	do	...	Rata Battery	...	...	...	...	...	...	...	...	...	...	120'00	48'40	...	...	
Do	do	...	Rata Battery	...	...	...	...	...	...	...	...	...	...	32'00	46'00	...	...	
Do	...	...	Alluvial	...	...	...	...	...	...	...	1,264'09	...	...	...	...	...	...	
Do	...	...	Notices of Purchase	...	...	...	...	16'86	42'91	...	...	325'59	72'45	...	...	...	...	
Total						...	...	16'86	1,131'17	137,463'50	97,247'49	'70	1,589'68	4,894'97	321,589'81	309,133'67	'96	3 15 4½

MOUNT MARGARET DISTRICT.

							ozs.	ozs.	tons.	ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	£ s. d.
British Flag	1180t	...	Alma Mater	...	...	12	...	14'00	27'00	85'40	3'16	...	14'00	27'00	85'40	3'16	...
Do	592t	...	...	...	Craiggiemore Proprietary, Ltd.	24	...	...	14,200'00	6,281'80	'44	...	...	24,695'00	10,900'68	'44	3 8 7
Do	825t	...	Dream	...	...	12	...	30'50	44'00	171'90	3'91	...	266'85	69'00	262'08	3'80	3 18 10½
Do	838t	...	General Wabash	...	...	24	...	...	...	...	...	...	...	100'00	330'75	3'30	...
Do	1128t	...	Golden Rhine	...	...	72	V.N.P.	...	50'00	100'50	2'01	...	...	50'00	100'50	2'01	...
Do	371t, 764t, 777t	...	...	...	Golden Rhine G.Ms. (W.A.), Ltd.	72	...	...	8,091'00	6,250'70	'77	...	...	16,936'50	10,272'77	'94	...
Do	829t	...	(Ida H.)	...	...	...	...	...	...	...	...	...	...	111'00	320'62	2'88	...
Do	829t, 846t, 1219t, 1310t	...	...	...	Ida H. G.M. Co., Ltd.	78	...	...	1,858'00	2,217'80	1'19	...	...	1,858'00	2,217'80	1'19	...
Do	902t (793t)	...	Kiora	...	...	5	...	...	...	...	...	...	...	118'00	118'00	1'00	...
Do	806t (713t)	...	...	...	Lancefield G.M. Co., Ltd.	24	...	...	16,847'00	7,826'56	'46	...	...	34,316'00	16,587'17	'48	3 7 11
Do	1309t	...	Sons of Toil	...	...	18	...	...	10'00	8'00	'80	...	...	10'00	8'00	'80	...
Do	1082t	...	Sunny Hill	...	...	24	...	...	35'00	61'75	1'76	...	...	35'00	61'75	1'76	...
Do	...	...	Voided leases	...	...	...	...	...	...	...	...	...	300'00	664'00	664'16	...	...
Do	...	...	Sundry claims	...	...	...	...	...	...	...	...	...	...	28'00	27'30	...	...
Eagle's Nest	...	...	Voided leases	...	...	...	...	...	...	...	...	...	166'50	331'00	1,380'52	...	...
Do	...	...	Sundry claims	...	...	...	...	...	...	...	...	...	...	55'00	47'27	...	...
Erlistoun	725t	...	Baneygo North	...	...	24	...	...	157'00	197'45	1'26	...	...	750'00	1,284'22	1'71	3 17 6
Do	720t	...	Earlston North-West	...	...	12	...	...	...	...	...	...	...	204'00	291'10	1'42	...
Do	961t	...	Easter Gift	...	...	12	...	...	50'00	39'95	'80	...	...	50'00	39'95	'80	3 15 0
Do	795/6t, 1185t	...	...	...	Erlistoun Proprietary G.M. Co., N.L.	72	...	...	560'00	439'90	'78	...	...	560'00	439'90	'78	...
Do	1046t	...	Golden Spinnifex	...	...	24	...	...	110'00	227'00	2'06	...	...	110'00	227'00	2'06	3 15 0
Do	1049t	...	Lauriston	...	...	12	...	...	75'00	75'00	1'00	...	...	75'00	75'00	1'00	...
Do	771t	...	Little Doris	...	...	24	...	...	88'00	215'45	2'45	...	...	288'00	546'97	1'90	...
Do	796t	...	(Mistake)	...	...	...	...	...	96'00	64'00	'66	...	...	912'00	572'85	'63	...
Do	795t	...	(Mistake North)	...	...	...	...	...	...	...	...	...	...	593'00	420'28	'70	...
Do	968t	...	Mistake South	...	...	24	...	...	33'00	246'70	7'48	...	...	105'00	526'20	5'01	...
Do	1241t	...	Rosa Kathleen	...	...	12	...	...	87'00	98'00	1'12	...	...	87'00	98'00	1'12	...
Do	...	...	Voided leases	...	...	...	...	...	...	...	...	...	50'15	371'25	535'71	...	...
Do	...	...	Sundry claims	...	...	...	587'20	...	...	...	...	587'20	...	80'00	113'77	...	...
Euro	761t	...	(Childe Harold)	...	...	...	...	...	...	...	...	...	...	4'25	2'20	'51	...
Do	761t, 1069t, 1070t	...	...	...	Childe Harold G.M. Co., Ltd.	72	...	...	11,809'00	3,602'38	'30	...	...	11,809'00	3,602'38	'30	...
Do	785t	...	...	...	Euro G.Ms., Ltd.	6	...	...	14,565'00	10,171'02	'69	...	...	15,438'00	11,239'37	'73	...
Carried forward						...	587'20	44'50	68,792'00	38,381'26	...	587'20	797'50	104,840'00	63,399'67	...	...

TABLE IV.—Production of Gold from all sources, etc.—continued.

Mount Margaret Goldfield—continued.

MOUNT MARGARET DISTRICT—continued.

MINING CENTER.	NUMBER OF LEASE.	NAME OF LEASE.	REGISTERED NAME OF COMPANY.	Area in Acres.	TOTAL FOR 1901.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1901.
					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.	£ s. d.
			Brought forward	...	587'20	44'50	68,792'00	38,381'26	...	587'20	797'50	104,840'00	63,399'67	...	
Euro ...	779r ...	...	Euro South Central	6	...	...	...	...	...	...	...	118'00	171'15	1'45	
Korong ...	461r ...	Korong No. 461	...	24	...	...	22'00	50'45	2'29	20'55	...	85'00	278'11	3'27	
Do	...	Voided leases	...	...	...	...	...	...	...	...	...	96'50	169'18	...	
Mt. Barnicoat	...	Voided leases	...	...	...	...	...	...	...	...	...	652'00	399'78	...	
Do	...	Sundry claims	...	...	...	...	...	...	...	...	...	23'00	25'50	...	
Mt. Margaret	1273r	Mt. Morven	...	a. r. p. 19 1 15	...	...	16'00	24'75	1'55	...	...	16'00	24'75	1'55	
Do	...	Voided leases	...	...	...	...	...	...	...	...	...	1,424'00	1,006'63	...	
Mt. Morgans	770r	...	Alicia G.M., Ltd.	24	...	...	140'00	191'63	1'37	...	...	140'00	191'63	1'37	3 8 9½
Do	1240r	Corinthian	...	24	...	...	36'00	23'00	'64	...	...	36'00	23'00	'64	
Do	326r, 917/8r	...	Guest's G.M., Ltd.	a. r. p. 69 0 29	...	...	10,827'00	3,915'36	'36	...	...	18,261'00	9,227'65	'50	
Do	997r	Sons of Gowrie	...	24	...	...	159'00	360'00	2'26	...	...	239'00	710'00	2'97	3 16 6
Do	338r, 1205r, 1294r	...	The Millionaire, Ltd.	72	...	...	229'00	183'75	'80	...	...	229'00	183'75	'80	
Do	1200r	Theresa	...	12	...	...	25'00	13'70	'55	...	...	25'00	13'70	'55	
Do	979r, 980r	Transvaal leases	...	48	...	...	398'00	627'20	1'60	...	...	659'00	1,268'57	1'92	3 15 10½
Do	1318r	Turn of the Tide	...	12	...	...	27'00	11'70	'43	...	...	27'00	11'70	'43	
Do	321r, 759r, 903r, 926r, 1002r	...	Westralia Mt. Morgans G.Ms. Co., Ltd.	89	...	...	24,168'00	37,363'80	1'54	...	...	48,713'00	78,947'48	1'62	3 15 4½
Do	...	Voided leases	...	...	...	...	...	...	...	...	...	30'00	41'45	...	
Do	...	Sundry claims	...	...	...	...	8'00	7'50	...	...	...	18'00	15'00	...	
Mt. Weld	1041r	Away from Home	...	14	...	...	279'50	1,249'55	4'47	...	80'45	324'50	1,747'67	5'38	3 17 10
Do	1100r	Baron Clive	...	12	...	...	89'00	155'60	1'75	...	...	89'00	155'60	1'75	3 9 0
Do	940r	Black Swan	...	24	...	...	100'00	91'85	'91	...	...	264'00	520'85	1'97	
Do	1019r	Bond's Find	...	18	...	...	123'00	425'20	3'46	...	...	182'00	604'02	3'32	3 8 6
Do	1054r	Brothers	...	20	...	...	82'00	356'85	4'35	...	...	110'00	441'60	4'01	
Do	944r	Carib	...	12	...	...	97'00	105'45	1'09	...	...	167'00	221'50	1'32	4 0 7
Do	1034r	Cremorne	...	12	...	...	58'50	131'95	2'25	...	9'00	128'50	398'70	3'10	
Do	811r	Edinboro' Castle	...	12	...	...	161'00	333'58	2'07	...	...	478'00	1,034'37	2'16	
Do	809r	Edinboro' Castle South	...	24	...	...	12'00	162'25	...	...	...	31'00	200'25	6'46	
Do	841r	Edith Hope	...	12	...	...	215'00	163'00	'76	...	...	240'00	181'75	'76	
Do	1234r	Floater	...	12	...	...	...	...	...	...	4'20	...	...	...	
Do	1104r	Golden Flat	...	12	...	...	25'00	183'95	7'36	...	...	25'00	183'95	7'36	
Do	1164r	Golden Fleece	...	12	...	...	44'00	37'13	'84	...	...	44'00	37'13	'84	
Do	801r	Golden Ring	...	12	...	...	290'00	518'09	1'78	...	...	696'00	1,994'07	2'86	3 16 0
Do	1293r	Independence	...	12	...	...	12'00	9'70	'81	...	...	12'00	9'70	'81	
Do	1010r	Karridale	...	12	...	...	143'00	486'20	3'40	...	...	202'00	762'30	3'77	
Do	1048r	Maori Chief	...	12	...	...	50'00	319'40	6'39	...	...	74'00	472'60	6'39	
Do	1114r	Maori Chief Extended	...	7	...	...	12'50	52'70	4'21	...	...	12'50	52'70	4'21	
Do	943r	Mikado	...	24	...	...	...	...	...	...	...	62'00	44'60	'71	
Do	1105r	Mt. Weld Consols	...	12	...	...	58'00	53'20	'92	...	...	58'00	53'20	'92	



Do	833r	Mt. Wilga Proprietary	V.N.P.	133-00	150-03	1-13	296-00	501-03	1-69					
Do	1044r	Nil Desperandum	24	22-50	77-90	3-46	53-00	218-82	4-13					
Do	1057r	Riddle	12	30-00	64-00	2-13	30-00	64-00	2-13					
Do	781r	Sailor Prince	12	520-00	827-70	1-59	2,131-00	3,342-48	1-57					
Do	1089r	Savage Captain	16	84-00	344-50	4-10	84-00	344-50	4-10					
Do	1108r	Single Handed	6	27-00	114-20	4-23	8-00	34-00	1-57	3-00				
Do	934r	Sons of Westralia	24	243-00	812-60	3-34	363-00	1,743-00	4-74					
Do	1068r	Tempus	12	180-00	933-45	5-18	180-00	933-45	5-18		3 10 0			
Do	1169r	Third Attempt	24	8-00	9-00	1-12	8-00	9-00	1-12					
Do	1024	Tired Feeling	12	30-00	14-00	.46	30-00	14-00	.46					
Do	1011r	Wanderer	15	180-00	501-50	2-79	180-00	501-50	2-79					
Do		Voided leases					590-25	1,092-70						
Do		Sundry claims					98-00	147-15						
Do		Voided leases					10-00	4-32						
Quartz Hill		Major	12				19-00	26-75	1-40					
Redcastle	1125r	Monday	12				26-50	18-50	.70					
Do	1276r	Redcastle	12	26-50	18-50	.70	26-50	18-50	.70					
Do	868r (38r)	Redcastle West Extended	12	937-00	808-25	.86	1,100-00	972-00	.88	4-00	3 12 0			
Do	870r	Voided leases					27-00	42-00	1-55					
Do		Sundry claims					226-45	137-66						
Do							10-00	5-00						
<i>From District generally—</i>														
Sundry parcels treated at Trig Hill Cyanide Works							cy. 300-00				300-00			
Notices of Purchase									16-97					
Total				587-20	84-05	109,114-50	90,965-38	.83	628-72	899-15	184,332-20	175,800-39	.95	3 13 3/4

## North Coolgardie Goldfield.

### MENZIES DISTRICT.

MINING CENTRE.	NUMBER OF LEASE.	NAME OF LEASE.	REGISTERED NAME OF COMPANY.	Area in Acres.	TOTAL FOR 1901.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1901.
					Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Average per ton treated.	
Comet Vale	4988z	Coonega		3	ozs.	ozs.	tons.	ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	£ s. d.
Do		Voided leases						cy. 86-05					86-05		
Goongarrrie	4891z	Caledonian		5		25-00					267-50	6,993-45	3,518-84		
Do	2728z, 3480z, (3481z)		Goongarrrie Goldfields, Ltd.	24								3,595-00	2,057-37	.57	
Do	4990z	Hicks United		15			60-00	46-00	.76			60-00	46-00	.76	4 0 0
Do	2736z, 3185z, 3382/3z, 3951z, 4869z		Lady Montefiore United G.Ms., Ltd.	62								224-00	719-88	3-21	
Do	4963z	Last Chance		V.N.P.			62-00	61-75	.99		8-00	82-00	97-75	1-19	
Do	4968z (4925z)	Venture		Surr.			15-00	12-55	.83			27-14	29-95	1-10	
Do	4975z	Welcome		6			49-00	81-85	1-67			49-00	81-85	1-67	
Do		Voided leases									22-00	5,485-50	3,825-70		
Do		Sundry claims										19-00	9-80		
Carried forward						25-00	186-00	288-20			297-50	16,658-09	10,542-25		

TABLE IV.—Production of Gold from all sources, etc.—continued.

North Coolgardie Goldfield—continued.

MENZIES DISTRICT—continued.

MINING CENTRE.	NUMBER OF LEASE.	NAME OF LEASE.	REGISTERED NAME OF COMPANY.	Area in Acres.	TOTAL FOR 1901.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1901.		
					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.	£	s.	d.
Brought forward					...	25·00	186·00	288·20	...	...	297·50	16,658·09	10,542·25	...			
Menzies	4918z	Alexandra	Surr.	6	...	6·00	20·68	3·44	...	...	103·00	206·02	2·00				
Do	4879z (3963z)	Black Jack	...	8	...	113·00	127·60	1·13	...	...	659·00	1,080·46	1·64				
Do	4978z	Black and White	...	8	...	62·00	34·05	·55	...	...	62·00	34·05	·55				
Do	4964z	Blow Fly	V.N.P.	...	...	50·00	41·40	·83	...	...	50·00	41·40	·83				
Do	4949z	Brown Hill	V.N.P.	...	...	15·00	7·33	·49	...	...	31·00	18·39	·59				
Do	4992z	Butterfly	...	6	...	25·00	70·46	2·82	...	...	25·00	70·46	2·82				
Do	4961z	Cosmopolitan	...	Wdn.	...	10·00	7·15	·71	...	...	52·00	28·96	·55				
Do	4940z	Craig-y-Nos	...	8	...	208·75	109·35	·52	...	...	527·25	394·68	·75				
Do	4912z (4860z)	Crown Cross	...	12	...	182·00	583·30	3·20	...	4·05	353·00	1,184·46	3·35				
Do	4979z	Crown Cross South Extd.	...	5	15·90	101·00	622·53	6·16	...	15·90	101·00	622·53	6·16				
Do	4952z	Dublin Castle	...	12	...	133·00	399·70	3·00	...	...	171·00	459·70	2·68				
Do	4965/6z	(Etrenna and Aurelia)	...	...	...	101·00	130·27	1·29	...	...	655·25	429·31	·65	3	12	6	
Do	2821z	Florence	...	a. r. p.	18 1 9	1,252·00	1,286·67	1·02	...	...	4,677·00	5,119·48	1·09	3	11	6	
Do	4982z	Flying Fish	...	6	...	56·00	125·88	2·24	...	...	56·00	125·88	2·24				
Do	5012z	Four O'clock	...	5	...	10·00	13·97	1·39	...	...	10·00	13·97	1·39				
Do	5005z	Golden Age	...	4	...	31·00	35·58	1·14	...	...	31·00	35·58	1·14				
Do	4997z	Golden Butterfly	...	Wdn.	...	120·00	46·62	·39	...	...	120·00	46·62	·39				
Do	4973z	Golden Crown	...	Surr.	...	16·00	45·41	2·84	...	...	16·00	45·41	2·84				
Do	4990z	Golden Horseshoe	...	Surr.	...	20·00	9·37	·47	...	...	20·00	9·37	·47				
Do	4855z	Goodenough	...	24	...	852·40	1,815·62	2·13	...	...	1,857·95	3,637·37	1·96	3	1	6	
Do	4951z	Guiding Star	...	6	...	200·35	241·15	1·20	...	...	248·35	281·73	1·13	3	17	10	
Do	5000z	Hayle and Tavistock United	...	3	...	44·00	72·40	1·64	...	...	44·00	72·40	1·64				
Do	4947z	Heart's Content	...	Surr.	...	28·00	54·75	1·95	...	...	44·00	102·45	2·33				
Do	4993z	Home Signal	...	Surr.	...	5·00	6·33	1·26	...	...	5·00	6·33	1·26				
Do	4998z	Hornet's Nest	...	Wdn.	...	5·00	2·15	·43	...	...	5·00	2·15	·43				
Do	3277z	Kensington	...	12	...	33·00	98·42	2·98	...	...	33·00	98·42	2·98	3	12	6	
Do	4972z (2822z)	Lady Harriett	...	12	...	320·00	310·20	·97	...	...	320·00	310·20	·97				
Do	5009z	Lady Sarah	...	5	...	40·00	61·75	1·54	...	...	40·00	61·75	1·54				
Do	2820z, 3006z	...	Lady Shenton G.M., Ltd.	a. r. p.	36 0 12	14,989·00	24,571·94	1·64	...	...	59,018·00	115,195·85	1·95	3	6	9	
Do	3116z, 3118z	...	London and Coolgardie Explorers, Ltd.	24 2 19	...	10·00	15·56	1·55	...	...	324·50	433·33	1·33				
Do	5007z	Lord Roberts	...	5	...	39·00	35·12	·90	...	...	39·00	35·12	·90				
Do	4983z (4889z)	Maori	...	6	...	64·00	37·75	·59	...	...	64·00	37·75	·59				
Do	4987z (4914z)	Maori Chief	...	12	...	90·00	52·61	·58	...	...	90·00	52·61	·58	3	12	6	
Do	3277z, 4895z	Maranora leases	...	18	...	223·00	253·69	1·13	...	...	808·30	1,056·88	1·31	3	12	6	
Do	(2826z), 2828/9z, 3050z, (3051z), (3055z), 3056z	...	Menzies, Ltd.	a. r. p.	51 1 36	...	...	...	...	...	308·00	536·78	1·74				
Do	3011z, 3031z	...	Menzies Alpha Leases, Ltd.	43 1 21	...	676·50	1,012·58	1·49	...	...	1,819·00	5,397·26	2·97	3	9	0	

Do	...	4931/6z	...	...	Menzies Consolidated G.Ms., Ltd.	144	...	...	10,489-00	8,572-20	'81	...	...	38,189-00	36,504-06	'95	3 7 6½
Do	...	2823z, 3009z	...	...	Menzies Crusoe Gold Claims, Ltd.	44	...	...	1,726-00	1,692-20	'98	...	...	18,479-00	28,534-16	1-54	3 6 3
Do	...	4938/9z, 4970z	...	...	Menzies Gold Reefs Propy., Ltd.	42	...	...	16-00	46-35	2-90	...	...	6,024-00	13,630-27	2-26	
Do	...	2835z, (3806z), 3914z, (4064z)	...	...	Menzies Lady Sherry G.M. Co., N.L.	36	...	...	683-00	943-25	1-38	...	...	1,794-00	2,540-35	1-41	
Do	...	2832z, 2843/4z, 3089z, 3098z, 3100z, 3133z, 4930z, 4948z, 4965/6z, 4976	...	...	Menzies Mining and Exploration Corporation, Ltd.	a. r. p. 165 0 13	...	...	1,231-00	2,231-89	1-81	...	...	6,866-95	8,818-35	1-38	3 7 8
Do	...	4953z	Menzies Proprietary	...	...	12	...	...	70-25	68-23	'97	...	...	90-25	113-53	1-26	
Do	...	(3149z, 3150z, 3151)	...	...	Menzies United Mines, Ltd.	12	...	...	...	...	...	...	...	121-85	137-16	1-12	
Do	...	4960z	Meriyulah	...	...	12	...	...	37-00	80-45	2-17	...	8-00	46-00	85-60	1-86	
Do	...	4941z	Nil Desperandum	...	...	3	9-85	7-45	13-00	31-65	2-43	9-85	7-45	87-00	197-29	2-27	3 15 0
Do	...	4969z (4920z)	(Oceanic)	...	...	...	...	...	50-00	34-00	'68	...	...	50-00	34-00	'68	
Do	...	4985z (3322z)	Picton	...	...	12	...	...	50-00	23-05	'46	...	...	50-00	23-05	'46	3 13 6
Do	...	2836z, 4969z	...	...	Queensland Menzies G.M. Co., N.L.	a. r. p. 34 3 32	...	...	2,962-00	9,172-50	3-09	...	...	16,106-00	50,975-11	3-16	3 1 4
Do	...	4950z	Springfield	...	...	24	...	...	...	...	...	...	...	39-00	30-20	'77	
Do	...	4883z	St. Albans	...	...	6	...	...	78-00	152-54	1-95	...	...	342-75	764-88	2-23	3 13 4
Do	...	4980z	Success	...	...	6	...	...	110-00	100-98	'91	...	...	110-00	100-98	'91	
Do	...	5010z	Sunday Gift	...	...	6	...	...	16-00	64-92	4-06	...	...	16-00	64-92	4-06	
Do	...	5002z	Surprise	...	...	12	...	...	65-00	90-39	1-39	...	...	65-00	90-39	1-39	
Do	...	3322z	True Blue	...	...	surr. 40	...	...	56-00	18-70	'33	...	...	156-00	47-35	'30	
Do	...	3048z, 3235z, 3398z	...	...	Warrior Menzies G.M. Co., N.L.	40	...	...	340-00	196-30	'58	...	...	1,062-00	809-37	'76	3 10 0
Do	...	...	Voided leases	...	...	...	...	...	...	...	...	...	...	6,686-10	8,053-29	...	
Do	...	...	Sundry claims	...	...	...	...	...	63-00	83-58	...	...	3-00	610-00	717-84	...	

From District generally—																				
Sundry parcels treated at Hicks' Battery																				
Do	do	Menzies Mining and Exploration Corporation	Battery	...	...	...	...	...	16-00	125-76	...	...	...	34-00	20-75	...				
Do	do	Menzies Gold Reef Proprietary Battery	...	...	...	...	...	...	...	...	...	...	...	49-05	902-28	...				
Do	do	Ninety-Mile Proprietary Battery	...	...	...	...	...	...	...	...	...	...	...	102-00	77-00	...				
Do	do	Queensland Menzies Battery	...	...	...	...	...	...	...	...	...	...	...	36-00	43-00	...				
Do	do	W.A. Cyanide Works, Goongarrie	...	...	...	...	...	...	...	cy. 270-60	...	...	...	...	546-60	...				
Alluvial	...	...	...	...	...	...	...	...	...	...	53-20	...	...	...	...	...				
Notices of Purchase	...	...	...	...	...	...	126-42	65-30	...	...	715-72	81-82	...	...	...	...				
Total										136-27	113-65	38,388-25	56,647-08	1-47	778-77	417-72	186,193-64	301,834-81	1-62	3 6 1½

TABLE IV.—Production of Gold from all sources, etc.—continued.

North Coolgardie Goldfield—continued.

ULARRING DISTRICT.

MINING CENTRE.	NUMBER OF LEASE.	NAME OF LEASE.	REGISTERED NAME OF COMPANY.	Area in Acres.	TOTAL FOR 1901.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1901.
					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.	tons.	ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	£ s. d.
Davyhurst Callion) (late	457u ...	Commonwealth ...	...	a. r. p. 10 3 1	...	...	6'00	11'55	1'92	...	...	24'25	48'61	2'00	
Do	458u ...	Eileen ...	...	12	...	9'00	944'00	1,195'12	1'26	...	9'00	944'00	1,195'12	1'26	
Do	460u ...	Forget-me-not ...	...	18	...	...	24'00	63'25	2'63	...	...	70'00	172'54	2'46	
Do	465u ...	Glengarry ...	...	Ftd.	...	...	14'00	14'65	1'05	...	...	14'00	14'65	1'05	
Do	459u ...	Golden Pole ...	...	12	...	...	...	...	...	...	...	34'00	54'70	1'60	
Do	613u ...	Great Ophir ...	...	24	...	...	23'00	18'70	'81	...	...	23'00	18'70	'81	
Do	455u (86u)	Lady Kate ...	...	6	...	...	34'00	33'75	'99	...	...	118'50	122'80	1'03	
Do	439u ...	Melrose ...	...	24	...	...	...	...	...	...	...	8'00	53'25	6'65	
Do	11u, 12u	...	Speakman's Mt. Callion, Ltd.	30	...	...	445'50	631'45	1'41	...	...	2,345'25	1,881'71	'80	3 10 0
Do	438u ...	(Waihi) ...	...	...	...	...	...	...	...	...	5'00	140'50	828'22	5'89	
Do	496u ...	Waihi Consols ...	...	a. r. p. 2 3 18	...	...	32'00	84'70	2'64	...	...	54'00	143'85	2'66	3 13 0
Do	438u ...	...	Westralia Waihi G.Ms., N.L.	24	...	...	102'00	279'70	2'74	...	...	102'00	279'70	2'74	3 13 6
Do	570u ...	Westralian Walhalla ...	...	18	...	...	15'00	64'20	4'28	...	...	15'00	64'20	4'28	3 12 3
Do	...	Voided leases ...	...	...	...	...	...	...	...	...	85'37	711'10	877'84	...	
Do	...	Sundry claims ...	...	...	...	...	...	...	...	...	1'40	292'05	257'52	...	
Mt. Ida	560u ...	Barton ...	...	12	...	...	55'00	64'30	1'17	...	...	55'00	64'30	1'17	
Do	514u (347u)	Boudie's Nest No. 1 North ...	...	5	...	...	10'00	5'25	'52	...	...	21'00	15'20	'72	
Do	326u ...	Forrest Belle ...	...	a. r. p. 18 3 0	...	...	575'00	536'60	'93	...	...	1,775'00	2,225'18	1'25	3 6 0
Do	36u ...	Ida ...	...	Surr.	...	...	989'00	1,044'50	1'05	...	...	1,445'00	1,581'75	1'09	
Do	355u ...	Ida Gem ...	...	V.N.P.	...	...	6'00	4'90	'81	...	...	420'50	518'40	1'23	
Do	193u, 203/5u, 218/9u, 382u	...	Mt. Ida Consols, Ltd.	155	...	...	2,309'50	6,087'60	2'63	...	...	5,102'50	11,822'30	2'31	
Do	587u ...	Mt. Ida Mystery ...	...	3	...	...	26'00	4'50	'17	...	...	26'00	4'50	'17	
Do	513u (421u)	Nelly Bly ...	...	5	...	...	121'00	182'70	1'51	...	...	170'00	245'65	1'44	
Do	349u ...	Pactolus ...	...	V.N.P.	...	...	127'00	193'95	1'52	...	...	451'00	551'85	1'22	
Do	52u ...	(Rio Tinto) ...	...	...	...	...	...	...	...	...	...	1,690'00	1,735'27	1'02	
Do	52u ...	...	Rio Tinto G.M. Co., Ltd.	24	...	...	1,137'00	749'65	'66	...	...	1,487'00	1,022'15	'68	3 19 0
Do	633u ...	Try Again ...	...	12	...	...	40'00	37'00	'92	...	...	40'00	37'00	'92	
Do	...	Voided leases ...	...	...	...	...	...	...	...	...	84'28	2,344'25	2,979'25	...	
Do	...	Sundry claims ...	...	...	...	...	262'50	248'05	...	...	...	613'00	561'86	...	
Mulline	501u ...	Ajax ...	...	10	...	...	127'75	149'85	1'17	...	...	197'75	223'45	1'13	
Do	552u (243u)	Anastasia ...	...	Surr.	...	...	20'00	9'90	'49	...	...	20'00	9'90	'49	
Do	450u (357u)	Argentina ...	...	Ftd.	...	...	42'00	16'40	'39	...	...	143'00	67'80	'46	
Do	179u ...	Bella Maie ...	...	18	...	...	72'50	18'75	'26	...	...	605'50	347'25	'57	
Do	162u ...	(British Lion) ...	...	...	...	...	...	...	...	...	...	68'30	78'75	1'15	
Do	601u ...	Comet ...	...	10	...	...	39'00	41'10	1'05	...	...	39'00	41'10	1'05	
Do	330u, 408u	Cooladdie leases ...	...	24	...	...	682'00	1,348'30	1'98	...	...	1,262'00	2,058'70	1'63	3 12 6
Do	553u ...	Cora ...	...	3	...	1'25	29'25	123'20	4'21	...	1'25	29'25	123'20	4'21	3 17 0

Do	314v	Day Dream South No. 2 Extended	V.N.P.	6:50	9:00	1:38	81:00	94:75	1:17	
Do	340v	Dungan	10	67:00	25:35	:38	156:50	101:40	:64	
Do	635v	Hornet's Nest	3	3:50	7:70	2:20	3:50	7:70	2:20	
Do	575v	Karrakatta	3	12:00	77:45	6:45	12:05	12:00	77:45	6:45
Do	403v	Lady Florence	18	225:00	67:20	:30	404:50	327:85	:81	3 15 5½
Do	139v, 235v	Lady Gladys leases	24	1,901:50	4,831:85	2:54	186:73	2,847:00	6,033:08	2:12 3 18 7½
Do	290v	Lady Gladys Junction	V.N.P.	290:00	155:90	:54	2:24	902:00	790:70	:87
Do	2v	Mulline	15	79:00	111:20	1:41	520:25	749:60	1:44	3 16 6
Do	595v	Mulline Rose	6	20:00	7:75	:38	20:00	7:75	:38	
Do	548v (437v)	Mystery	Surr.	72:00	59:75	:83	137:00	141:35	1:03	
Do	434v (328v)	Nil Desperandum	5	148:50	178:64	1:20	626:25	802:14	1:28	
Do	583v	Queen Mary	Wdn.	45:50	14:02	:31	45:50	14:02	:31	
Do	423v	Refuse	V.N.P.	13:00	9:65	:74	58:00	50:05	:86	
Do	422v, 462v	Reprive leases	15	277:50	564:25	2:03	698:00	1,530:10	2:19	
Do	123v, 162v	Riverina Perseverance	48	2,368:00	1,633:10	:69	4,771:00	3,443:69	:72	3 15
Do	545v	Riverina South	8	57:00	46:70	:82	57:00	46:70	:82	
Do	324v	Riverina South	13	1,006:00	870:18	:86	1,702:00	1,337:81	:78	3 18
Do	571v	Victoria	12	30:50	62:00	2:03	30:50	62:00	2:03	
Do	661v	Waratah	5	7:00	3:35	:48	7:00	3:35	:48	
Do	332v	Young Australian	24	...	...	...	142:00	359:55	2:53	
Do	...	Voided leases	...	...	...	...	2,141:42	2,502:09	...	
Do	...	Sundry claims	...	...	...	...	414:75	405:68	...	
Mulwarrie (late Mt. Higgins)	535v	Break o' Day	Ftd.	14:00	19:25	1:37	14:00	19:25	1:37	
Do	557v (335v)	Buninyong	12	52:50	120:05	2:23	52:50	120:05	2:28	3 10 6
Do	581v (529v)	Cranbrook	5	7:50	7:12	:95	7:50	7:12	:95	
Do	603v	Duchess of York	5	62:00	38:30	:62	62:00	38:30	:62	
Do	561v (368v)	Enterprise	3	24:00	23:35	:97	24:00	23:35	:97	
Do	402v (50v)	Flora	Ftd.	26:00	27:40	1:05	72:00	49:19	:68	
Do	401v, 500v	Killaloe leases	18	178:00	286:40	1:61	262:00	403:05	1:54	4 2 0
Do	658v	Killaloe North	5	15:00	15:00	1:00	15:00	15:00	1:00	
Do	6v	Mt. Higgins Property	18	225:00	479:40	2:13	225:00	479:40	2:13	
Do	395v	Mullwarrie North	24	102:00	296:15	2:90	516:00	1,331:35	2:58	
Do	9v	Mulwarrie	24	288:50	765:30	2:65	1,499:49	4,289:03	2:86	
Do	494v (8v)	Mulwarrie Main Reef	12	50:00	168:90	3:38	72:00	302:20	4:20	3 16 0
Do	522v	Mulwarrie Moonstone	10	49:00	441:15	9:00	67:00	486:35	7:26	
Do	474v	Mulwarrie Perseverance	V.N.P.	9:00	9:30	1:03	9:00	9:30	1:03	
Do	308v	Oakley	12	215:00	513:25	2:39	811:00	2,004:03	2:47	3 10 10
Do	627v	Pride of the Hills	5	91:00	324:55	3:56	91:00	324:55	3:56	
Do	407v (366v)	Roscleaf	5	...	...	...	74:50	128:86	1:72	
Do	533v	South Mona	V.N.P.	20:00	38:80	1:94	41:00	122:35	2:98	
Do	567v	Star	5	6:50	6:90	1:06	6:50	6:90	1:06	
Do	6v	(Ularring Westralia G.M. Co., N.L.)	...	...	...	...	497:25	971:60	1:95	
Do	499v	Victorian	24	16:00	5:75	:86	16:00	5:75	:86	
Do	520v (428v)	Welcome	V.N.P.	21:00	20:00	:95	41:00	47:70	1:16	
Do	...	Voided leases	...	...	...	...	1,378:15	2,199:08	...	
Do	...	Sundry claims	...	...	...	...	73:50	89:20	...	
Ularring	666v (339v)	Derby	3	20:00	21:15	1:05	20:00	21:15	1:05	
Do	89v, 92v	London and Coolgardie Explorers, Ltd.	36	299:00	770:05	2:57	851:65	1,727:88	2:03	
Do	338v	Off Chance	24	216:00	286:50	1:32	1,030:50	2,330:15	2:26	
Do	1v	Shamrock	20	230:25	271:40	1:18	607:00	899:11	1:48	
Do	...	Voided leases	...	...	...	...	487:50	485:47	...	
Do	...	Sundry claims	...	...	...	...	6:00	2:70	...	
		Carried forward	...	...	...	...	400:47	47,612:91	70,156:45	...
				22:30	17,288:80	27,074:44	...	...	...	

TABLE IV.—Production of Gold from all sources, etc.—continued.

North Coolgardie Goldfield—continued.

ULARRING DISTRICT—continued.

MINING CENTRE.	NUMBER OF LEASE.	NAME OF LEASE.	REGISTERED NAME OF COMPANY.	Area in Acres.	TOTAL FOR 1901.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1901.
					Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Average per ton treated.	
Brought forward ... ..					ozs.	ozs.	tons.	ozs.	ozs.	ozs.	ozs.	ozs.	ozs.	ozs.	£ s. d.
From District generally—															
Sundry parcels treated at Government Public Battery, Mt. Ida ... ..					...	...	48·00	51·60	...	...	...	118·50	100·30	...	
Do do Government Public Battery, Mulline ... ..					...	...	...	cy. 1,943·32	...	...	...	47·00	1,986·48	...	
Notices of Purchase ... ..					...	...	...	...	...	1·82	·83	...	...	...	
Total ... ..					...	22·30	17,336·80	29,069·36	1·68	1·82	401·30	47,778·41	72,243·23	1·51	3 15 10½

NIAGARA DISTRICT.

Kookynie	27g, 28g	Altona leases	Cosmopolitan Proprietary, Ltd.	24	ozs.	ozs.	tons.	ozs.	ozs.	ozs.	ozs.	ozs.	ozs.	ozs.	£ s. d.
Do	468g	April Gift	...	12	...	...	31·00	65·10	2·10	...	...	31·00	65·10	2·10	
Do	308g (146g)	Ballarat	...	12	...	...	86·00	99·85	1·16	...	...	292·00	443·95	1·52	
Do	390g	Balmoral	...	6	...	...	73·00	48·92	·67	...	...	73·00	48·92	·67	
Do	279g	Batavia	Britannia G.M. Co., Ltd.	12	...	...	3,283·00	3,759·92	1·14	...	...	4,964·00	5,671·77	1·17	3 12 0
Do	41g, (268g)	...	Britannia G.M. Co., Ltd.	24	...	...	2,286·00	4,487·50	1·96	...	...	14,367·00	14,636·10	1·02	3 1 10½
Do	467g	Britannic	...	12	...	...	79·00	74·38	·94	...	...	79·00	74·38	·94	
Do	404g	Britisher	...	V.N.P.	...	...	44·00	40·25	·91	...	...	74·00	70·25	·95	
Do	320g, 335g, 347g	(Champion leases)	...	...	...	...	...	...	...	...	...	2,157·50	2,898·61	1·34	
Do	320g, 335g, 347g	...	Champion Proprietary, Ltd.	41	...	...	342·00	225·15	·66	...	...	342·00	225·15	·66	3 14 7
Do	20g, 87g, 94g, 338g	...	Cumberland Niagara G.Ms., Ltd.	84	...	...	15,071·00	8,244·00	·54	...	...	28,158·00	15,226·35	·54	3 11 3
Do	424g (273g)	Day Dawn	...	6	...	...	23·00	29·75	1·29	...	...	33·00	42·35	1·28	
Do	194g	Diamantina	...	24	...	...	...	...	...	...	...	117·05	139·66	1·19	
Do	397g	Eldorado	...	12	...	...	77·00	41·55	·54	...	...	110·00	120·75	1·09	
Do	439g	Elizabeth	...	6	...	...	90·00	76·20	·84	...	...	90·00	76·20	·84	
Do	26g	Englishman	Cosmopolitan Proprietary, Ltd.	12	...	...	15,732·00	23,796·54	1·51	...	...	40,829·00	46,949·84	1·15	3 12 0
Do	272g	Golden Hope	...	12	...	...	267·00	446·61	1·67	...	...	358·00	542·24	1·51	3 13 11
Do	282g	Homeward Bound	...	V.N.P.	...	...	60·00	38·00	·63	...	...	205·00	745·55	3·63	
Do	421g	Kookynie Consols...	...	10	...	...	22·00	19·90	·90	...	61	51·50	57·50	1·11	
Do	405g	North Batavia	...	5	...	...	...	...	...	...	...	30·00	28·50	·95	
Do	297g	Northern Scot	...	12	...	...	15·00	5·90	·40	...	...	15·00	5·90	·40	
Do	481g	O.D.	...	12	...	...	22·00	5·30	·24	...	...	22·00	5·30	·24	
Do	255g	Puzzle	...	24	...	...	38·00	75·20	1·98	...	...	132·00	147·47	1·11	
Do	25g	Scotchman	Cosmopolitan Proprietary, Ltd.	12	...	...	...	...	...	...	...	150·00	90·30	·60	
Do	394g (256g)	Sovereign	...	18	...	...	118·00	88·05	·74	...	...	198·00	156·35	·79	3 15 3½
Do	450g	Sunrise	Surr.	...	...	...	13·00	4·65	·36	...	...	13·00	4·65	·36	
Do	396g	Treasure	V.N.P.	...	...	...	147·00	188·35	1·28	...	25	232·00	305·65	1·31	

Do	403g	Treasure East	Ftd.	17-00	12-00	70	17-00	12-00	70					
Do	420g	Treasure South	5	120-00	159-20	1-32	120-00	159-20	1-32					
Do	253g, 422g	Victoria leases	12	59-00	76-50	1-30	172-00	296-90	1-72					
Do	253g, (273g, 300g)	(Victoria and Day Dawn G.M. Co., W.A., N.L.)					85-75	181-20	2-11					
Do	469g	Whale	12	148-82	91-00	4-42	148-82	91-00	4-42					
Do	473g	Woodpecker	12		51-00	41-10	51-00	41-10	80					
Do	475g	York	12		90-00	81-14	90-00	81-14	90					
Do		Voided leases					30-99	1,290-35	1,447-87					
Do		Sundry claims			73-00	78-15	73-00	78-15						
Niagara	454g	Ajax	5		29-00	39-15	29-00	39-15	1-35					
Do	430g	Bounty	V.N.P.		30-00	20-20	30-00	20-20	67					
			a. r. p.											
Do	2g, 48g	Challenge leases	28 1 13	135-00	42-90	31	135-00	42-90	31 3 12 6					
Do	2g (7g), 48g	(Challenge Mining and Milling Co., Ltd.)			cy. 78-60		38-40	3,199-00	2,242-40 70					
Do	29g	Continental and W.A. Trust, Ltd.	Surr.	112-00	54-10	48		592-35	310-48 52					
Do	301g	Eureka	V.N.P.	82-00	65-75	80		571-00	589-79 1-03					
Do	362g, 391g	Euroa leases	10	128-00	259-40	2-02		218-50	455-05 2-08					
Do	224/5g	Hannans Gold Estates, Ltd.	24	2,330-00	3,512-60	1-50		3,288-00	5,036-45 1-53 3 16 4					
Do	492g	Heather	Wdn.	19-00	8-80	46		19-00	8-80 46					
Do	423g	Ingeborg	V.N.P.	130-00	78-55	60		130-00	78-55 60					
Do	316g	Canadian (late John Bull)	12	10-00	11-10	1-11		41-20	73-30 1-78					
Do	314g	Lily	5	75-00	175-78	2-34	11-55	185-25	549-46 2-96 3 15 3					
Do	442g (270g)	Mikado	6	130-00	231-25	1-78		130-00	231-25 1-78					
Do	419g	Opal	12	292-00	277-10	95		344-50	292-00 84 4 0 6					
Do	275g	O'Shea	5	34-00	19-45	57		89-00	99-54 1-12					
Do	452g (100g)	Pine Lodge	12	246-00	174-00	70		309-00	256-70 83 3 17 4					
Do	493g	Revenue	Wdn.	12-00	23-48	1-95		12-00	23-48 1-95					
Do	444g	Stringer	Surr.	67-00	85-15	1-27		67-00	85-15 1-27					
Do	417g	Sunday Times	V.N.P.	23-00	18-45	80		23-00	18-45 80					
Do	443g (344g)	Tasman	V.N.P.	18-00	13-40	74		18-00	13-40 74					
Do	445g	Try Again	6	200-00	218-50	1-09		200-00	218-50 1-09					
Do	474g	Wait-a-Bit	12	54-00	24-10	44		54-00	24-10 44					
Do	440g (311g)	White Cliffs	Wdn.	15-00	9-00	60		15-00	9-00 60					
Do		Voided leases					9-50	2,001-45	1,497-75					
Do		Sundry claims			88-50	56-55	27-65	829-75	838-10					
Tampa	479g	Bismark	6	38-00	31-65	83		38-00	31-65 83					
Do	278g	Fortuna	6					109-00	216-45 1-98					
Do	349g	Grafter	12	425-00	777-85	1-83		1,018-00	1,947-75 1-91					
Do	377g (264g)	London	V.N.P.	66-00	49-70	75		300-00	173-70 58					
Do	38g	Mignonette	V.N.P.	80-00	21-15	26		2,326-00	1,295-82 46					
Do	462g	Pass By	5	24-00	24-00	1-00		24-00	24-00 1-00					
Do	352g, 369g, 400g	Perseverance leases	30	390-00	314-15	80		881-00	1,081-57 1-23					
Do	472g	Prosperity	12	55-00	90-90	1-65		55-00	90-90 1-65					
Do	446g (295g)	Scotland Yet	Ftd.	102-00	35-75	35		102-00	35-75 35					
Do	477g	Waratah	4	7-00	11-50	1-77	7-00	11-50	20-35 1-77					
Do		Voided leases					12-40	6,174-30	3,584-37					
Do		Sundry claims			26-00	18-00		537-50	387-42					
From District generally—														
Sundry parcels treated at Golden Hope Battery...						cy. 123-50			232-10					
Do do Tampa Cyanide Works						cy. 207-50			207-50					
Alluvial...				11-39			71-39							
Notices of Purchase				20-56	7-60		54-12	87-00						
Total				31-95	164-42	44,025-00	50,009-27	1-13	125-51	375-17	120,142-45	114,194-83	95	3 11 3 1/2



TABLE IV.—Production of Gold from all sources, etc.—continued.

North Coolgardie Goldfield—continued.

YERILLA DISTRICT.

MINING CENTRE.	NUMBER OF LEASE.	NAME OF LEASE.	REGISTERED NAME OF COMPANY.	Area in Acres.	TOTAL FOR 1901.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1901.	
					Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Average per ton treated.		
Edjudina	527R	Bella	...	V.N.P.	...	...	160'00	200'00	1'25	...	...	...	224'00	305'70	1'36	£ s. d. 3 18 10 3 14 0
Do	513R	Brilliant	...	V.N.P.	...	...	30'00	57'55	1'91	...	...	...	30'00	57'55	1'91	
Do	497R	Gawler	...	24	...	...	50'00	88'00	1'76	...	...	...	50'00	88'00	1'76	
Do	502R	Glengarry	...	15	...	...	359'00	243'50	'68	...	...	...	359'00	243'50	'68	
Do	512R	Lord Nelson	...	24	...	...	188'00	167'20	'89	...	...	...	238'00	229'70	'96	
Do	501R	Louie Mary	...	24	...	...	25'00	30'00	1'20	...	...	...	130'00	260'65	2'00	
Do	401R	Neta	...	24	...	...	145'00	318'20	2'19	...	...	...	2,274'50	3,641'29	1'60	
Do	418R	Neta Extended	...	24	...	...	456'00	863'70	1'89	...	...	...	1,182'50	1,663'78	1'40	
Do	523R	Outcast	...	Surr.	...	...	30'00	29'00	'96	...	...	...	60'00	70'60	1'17	
Do	510R	Undaunted	...	V.N.P.	...	...	65'00	64'35	'99	...	...	...	65'00	64'35	'99	
Do	498R	Vulcan	...	V.N.P.	...	...	160'00	126'30	'79	...	...	...	250'00	184'35	'73	
Do	...	Voided leases	...	...	...	...	...	...	...	...	...	...	2,477'00	2,355'25	...	
Do	...	Sundry claims	...	...	...	...	381'00	352'14	...	...	...	...	513'00	478'96	...	
Eucalyptus	491R	Brown Hill	...	12	...	...	...	...	...	...	...	...	7'00	59'15	8'45	
Do	538R	Cardigan	...	V.N.P.	...	...	6'00	22'85	3'81	...	53'96	...	13'00	172'85	...	
Do	520R (100R)	Cornucopia	...	Surr.	...	...	14'00	3'15	'22	...	...	...	42'00	15'65	'36	
Do	530R	Golden King	...	Wdn.	...	...	2'00	29'85	...	...	74'60	...	2'00	29'85	...	
Do	505R	Knight Errant	...	5	...	...	...	...	...	...	48'60	...	12'00	22'33	1'86	
Do	504R, 507R	Yando leases	...	17	...	624'65	15'00	349'75	...	...	799'75	...	19'00	384'85	...	
Do	...	Voided leases	...	...	...	...	...	...	...	...	184'95	...	1,163'35	1,226'54	...	
Do	...	Sundry claims	...	...	...	...	...	...	...	...	410'12	...	170'50	220'32	...	
Linden	188R, 196R	Blair Athol leases	...	V.N.P.	...	...	...	...	...	...	...	...	113'00	406'97	3'60	
Do	464R (123R)	Federal	...	12	...	...	18'60	40'30	2'16	...	15'43	...	97'60	259'45	2'65	
Do	408R	...	Greenhill G.M. Co., Ltd.	24	...	...	168'00	811'75	4'83	...	...	...	3,198'00	6,254'10	1'95	
Do	387R	Lady Ethel	...	V.N.P.	...	...	30'00	20'05	'66	...	7'10	...	816'25	1,222'95	1'49	
Do	358R	Wimmera	...	V.N.P.	...	...	44'00	52'60	1'19	...	4'20	...	416'50	606'37	1'45	
Do	...	Voided leases	...	...	...	...	...	...	...	...	486'63	...	1,573'05	2,260'50	...	
Do	...	Sundry claims	...	...	...	...	46'00	40'50	...	...	20'00	...	227'50	266'70	...	
Mt. Celia	...	Voided leases	...	...	...	...	...	...	...	...	14'00	...	14'00	6'00	...	
Mt. Remarkable	515R	Federation	...	12	...	...	50'00	22'00	'44	...	...	...	81'75	68'17	'83	
Do	397R	...	La Tosca G.M. Co., N.L.	V.N.P.	...	...	84'00	70'39	'84	...	14'90	...	383'22	366'60	'95	
Do	...	Voided leases	...	...	...	...	...	...	...	...	5'00	...	63'75	32'29	...	
Do	...	Sundry claims	...	...	...	...	...	...	...	...	...	...	4'00	1'50	...	
Pendinnie	562R	A.W.A.	...	5	...	...	25'00	22'47	'89	...	...	...	25'00	22'47	'89	
Do	508R (462R)	Boer	...	6	...	...	137'00	357'50	2'61	...	...	...	201'50	550'80	2'73	
Do	533R	Boomerang	...	12	...	...	52'00	58'70	1'13	...	...	...	52'00	58'70	1'13	
Do	542R	Gioba	...	24	...	...	40'00	14'75	'37	...	...	...	40'00	14'75	'37	
Do	546R	Just-in-Time	...	18	...	...	109'00	59'00	'54	...	...	...	109'00	59'00	'54	
Do	443R	(Landed at Last)	...	...	...	...	...	...	...	...	...	...	60'00	82'05	1'36	
Do	522R	Little Wonder	...	12	...	...	82'00	284'00	3'46	...	...	...	82'00	284'00	3'46	
Do	443R, 457R, 463R, 493R	...	London and Hamburg Gold Recovery Co., Ltd.	72	...	...	...	...	...	...	...	...	125'00	157'50	1'26	
Do	541R	Maori Queen	...	24	...	...	70'00	125'00	1'78	...	...	...	70'00	125'00	1'78	

Do	...	450R, 456R, 536R	...	...	...	Mt. Margaret Reward Claim, Ltd.	54	...	...	4,718'00	3,636'54	'77	...	...	4,827'00	3,806'19	'78			
Do	...	450R	...	(Potosi)	...	...	...	...	...	...	...	...	...	...	76'00	170'00	2'23			
Do	...	514R	...	Potosi North Extended	...	...	24	...	...	116'00	173'50	1'49	...	...	116'00	173'50	1'49			
Do	...	511R	...	Pretoria	...	...	18	...	...	35'00	32'85	'94	...	...	35'00	32'85	'94			
Do	...	466R	...	Queen of the May	...	...	24	...	...	300'00	170'00	'56	...	...	420'60	400'75	'95			
Do	...	467R	...	Queen of the May South	...	...	12	...	...	281'00	666'00	2'37	...	...	453'55	1,020'90	2'25			
Do	...	...	...	Voided leases	...	...	...	...	...	...	...	...	...	13'00	342'10	689'13	...			
Do	...	...	...	Sundry claims	...	...	...	...	...	30'00	14'30	...	...	1'52	279'00	387'28	...			
Pinjin	...	...	...	Voided leases	...	...	...	...	...	...	...	...	...	...	142'00	88'25	...			
Do	...	...	...	Sundry claims	...	...	...	...	...	...	...	...	...	8'30	...	...	...			
Yerilla	...	...	...	Voided leases	...	...	...	...	...	...	...	...	3,439'67	2,984'96	2,142'97	...	...			
Do	...	...	...	Sundry claims	...	...	...	...	...	...	...	...	...	296'50	180'48	...	...			
Yilgangi	...	...	...	Voided leases	...	...	...	...	...	...	...	...	...	94'75	118'32	...	...			
Do	...	...	...	Sundry claims	...	...	...	...	...	...	...	135'36	5'18	...	...	...	...			
<i>From District generally—</i>																				
Sundry parcels treated at Holbourn and Summers' Works										...	...	...	...	...	...	605'10	...			
Do do Middleton's Works										...	...	...	...	...	...	...	910'00	...		
Do do Moss Rose Battery										...	...	...	...	...	144'00	71'00	...			
Do do Muir's Works										...	...	...	...	...	...	183'87	...			
Alluvial										...	...	...	...	516'70	...	...	...			
Notices of Purchase										113'57	12'69	...	...	330'46	166'39	...	...			
Total										113'57	669'25	8,521'60	11,327'88	1'33	982'52	5,759'30	27,246'43	135,861'68	1'31	3 13 2½

† Also ounces from unknown tons, Bound to Rise ... .. ozs. 240'00  
 Do do Lombard ... .. ozs. 35'00  
 Total ... .. 275'00

### Broad Arrow Goldfield.

MINE CENTRE.	NUMBER OF LEASE.	NAME OF LEASE.	REGISTERED NAME OF COMPANY.	Area in Acres	TOTAL FOR 1901					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1901.
					Alluvial	Dollied and Specimens	Ore treated.	Gold therefrom	Average per ton treated.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Average per ton treated.	
Bardoc	1076w ...	...	Bardoc Gold Mines, Ltd.	12	ozs.	ozs.	tons.	ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	£ s. d.
Do	36w ...	(Eva)	...	...	...	...	29'33	73'07	2'49	...	...	341'33	317'02	'92	3 18 2
Do	18w, 25w, 33w	Excelsior leases	...	36	...	...	467'00	430'22	'92	...	...	1,502'00	1,607'08	1'07	3 15 0
Do	107/9w, 887w, 956w, 1043w	...	Half-Mile Reef Mines, Ltd. (late Half-Mile Reefs, Ltd.)	a. r. p. 83 3 38	...	...	5,452'00	3,537'90	'64	...	...	12,800'00	8,070'78	'63	3 14 1
Do	17w ...	(Mt. Pleasant)	...	...	...	...	...	...	...	...	31'46	10'00	31'20	3'12	...
Do	1101w (19w) ...	Nerrin Nerrin	...	12	...	...	8'50	7'95	'93	...	...	975'50	392'15	'40	...
Do	959w, 968w, 970w, 1045w, 1048w	...	Slug Hill (Pride of the Hill) G.M. Co., Ltd.	70	...	...	1,205'00	1,319'55	1'09	...	7'20	8,162'00	6,939'55	'85	3 5 0
Carried forward				...	...	...	7,161'83	5,368'69	...	...	38'66	23,801'83	17,363'78	...	...

TABLE IV.—Production of Gold from all sources, etc.—continued.

Broad Arrow Goldfield—continued.

MINING CENTRE.	NUMBER OF LEASE.	NAME OF LEASE.	REGISTERED NAME OF COMPANY.	Area in Acres.	TOTAL FOR 1901.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1901.
					Alluvial.	Dolled and Specimens	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dolled and Specimens	Ore treated.	Gold therefrom.	Average per ton treated.	
			Brought forward	...	ozs.	ozs.	tons.	ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	£ s. d.
Bardoc	1043w	(Struck Oil)	...	...	...	...	7,161·83	5,368·69	...	...	38·66	23,801·83	17,368·78	...	
Do	325w	Wycheproof	...	Ftd.	...	...	30·00	18·75	·62	...	...	139·00	105·05	·75	
Do	17w, 36w, 39w, (1008w), 1023w	...	Zoroastrian Gold Estates, Ltd.	a. r. p. 40 2 20	...	...	3,961·00	2,365·45	·59	...	...	4,830·60	3,014·91	·62	3 16 0
Do	...	Voided leases	...	...	...	...	...	...	...	...	119·65	1,335·35	809·03	...	
Do	...	Sundry claims	...	...	...	...	6·00	2·25	...	...	...	185·25	147·18	...	
Black Flag	43w, 52w, 62w, 546w	...	Black Flag Proprietary Co., Ltd.	a. r. p. 72 3 16	...	...	2,035·00	382·29	·18	...	...	21,232·00	5,925·92	·27	2 18 0
Do	1162w (1001w)	Diamond Jubilee	...	V.N.P.	...	...	61·00	44·70	·73	...	...	158·00	138·70	·88	
Do	1177w	King Edward	...	12	...	...	33·00	43·90	1·33	...	...	33·00	43·90	1·33	
Do	47/9w	...	Lady Bountiful G.M. Co., N.L.	36	...	...	1,777·00	1,525·45	·85	...	...	6,792·65	10,102·93	1·48	3 8 5
Do	1179w	Resurgum	...	5	...	...	21·00	25·50	1·21	...	...	21·00	25·50	1·21	
Do	1071w	Taipo	...	12	...	...	...	...	...	...	263·35	39·50	242·66	6·14	
Do	1172w	Victorian Flag	...	Wdn.	...	...	15·00	10·20	·68	...	...	15·00	10·20	·68	
Do	...	Voided leases	...	...	...	...	...	...	...	33·00	54·41	4,399·66	2,756·74	...	
Do	...	Sundry claims	...	...	374·40	...	112·00	80·35	...	387·50	2·00	997·80	1,247·90	...	
Broad Arrow	1165w (1058w)	Barrier	...	12	...	...	33·00	46·00	1·39	...	...	33·00	46·00	1·39	
Do	1166w	Britannia	...	Ftd.	...	...	52·00	43·30	·83	...	...	52·00	43·30	·83	
Do	56w, 75w, 87w, 122w	...	Broad Arrow Consols G.M. Co., N.L.	68	...	...	...	...	...	...	...	327·00	172·72	·52	
Do	...	Broad Arrow Deep Lead	...	...	...	...	...	...	...	65·09	...	990·25	1,346·64	1·35	
Do	1156w	Brother Jonathan	...	V.N.P.	...	...	10·00	8·00	·80	...	...	10·00	8·00	·80	
Do	147w	...	Coolgardie Mining Co., Ltd.	24	...	...	...	...	...	...	...	603·30	402·60	·66	
Do	142w, (225/6w)	...	Credo Gold Mines, Ltd.	a. r. p. 14 1 23	...	...	18·00	27·00	1·50	...	...	248·35	1536·00	2·15	
Do	960w, 995w	...	Dixie G.M., Ltd.	30	...	...	679·50	1,003·55	1·48	...	...	2,709·00	5,886·10	2·17	3 14 0
Do	1171w	Dixie South	...	3	...	...	34·50	25·00	·72	...	...	34·50	25·00	·72	
Do	32w, 143w, 715w	...	Duke G.Ms., Ltd.	60	...	...	153·00	50·25	·32	...	...	153·00	50·25	·32	3 15 0
Do	3w, 138/9w, 173w, 1000w	...	Golden Arrow Mine, Ltd.	59	...	...	7,368·00	5,195·95	·70	...	...	13,849·75	8,810·18	·63	3 15 0
Do	1094w	Golden Calf	...	Surr.	...	...	18·00	26·30	1·46	...	...	83·00	79·64	·96	
Do	1112w	Grafter	...	12	...	...	120·00	40·75	·34	...	34·35	183·00	93·40	·51	
Do	1157w	Great Britain	...	Surr.	...	...	...	...	...	...	15·30	...	...	...	
Do	56w, 75w, 122w	(Liberty leases)	...	...	...	...	...	...	...	...	...	298·90	425·90	1·42	
Do	76w	Light of the Swan	...	24	...	...	163·00	103·12	·63	...	...	449·50	317·37	·70	3 19 0
Do	1028w	...	Mysore Harnhalli G.M. Co., Ltd.	12	...	...	99·00	72·00	·72	...	...	293·50	206·87	·70	
Do	2w, 126w, 168w	...	New Austral Co., Ltd.	a. r. p. 20 1 27	...	...	8,699·00	6,902·17	·79	...	...	36,615·50	43,761·23	1·19	3 17 0
Do	1116w	Our Pride	...	V.N.P.	...	...	13·00	5·60	·43	...	...	168·50	154·61	·91	
Do	1161w	Reform Extended	...	V.N.P.	...	...	15·00	15·00	1·00	...	...	15·00	15·00	1·00	
Do	1159w	Reform G.M. Syndicate	...	V.N.P.	...	...	52·00	32·51	·62	...	...	80·00	56·30	·70	

Do	131w	Northam Milling and Mining Co., Ltd.	Ftd.	14-00	13-50	96	1,956-90	1,933-75	98					
Do	1164w (1027w)	Valhalla	12	18-00	7-50	41	18-00	7-50	41					
Do	643w	Victory	6				10-00	22-15	2-21					
Do		Voided leases												
Do		Sundry claims		2-00	146-00		113-74	5,456-18	3,918-69					
Paddington	1129w	Just-in-Time	6	151-50	89-83		2-00	1,406-75	656-35					
Do	44w	Mona Gold Mine, Ltd.	12	256-50	217-50	84		407-00	424-50					
Do	45w	Mount Corlic	12	100-00	60-97	61		608-50	295-17					
	1w, 53w, 57w, 60/1w, 128w, 1050w, 1063w, 1105w	Paddington Consols, Ltd.	a. r. p. 115 3 5	366-00	338-32	92		4,062-25	2,795-55					
Do	1142w	Paddington Consols South	12	7,078-00	4,960-43	70		70,450-50	38,598-50					
Do	71w, 127w, 1073w, 1110w	Paddington South, Ltd.	45	34-00	4-91	14		34-00	4-91					
Do	80w	Pakeha	12					90-00	26-35					
Do	1056w	Pakeha South	12	731-00	406-75	55		2,965-40	1,670-42					
Do	1047w	Star of W.A.	18					25-00	6-80					
Do		Voided leases		628-00	468-70	74	136-60	5,033-00	5,178-80					
Do		Sundry claims						142-50	38-51					
Do		Voided leases		9-00	297-00	492-50	12-02	1,970-26	3,893-38					
Smithfield		Voided leases						1,027-00	228-31					
Do		Sundry claims						20-00	10-58					
<i>From Goldfield generally—</i>														
		Sundry parcels treated at Black Flag Proprietary Battery		70-80	56-52			502-30	271-48					
Do	do	Excelsior Battery						22-00	16-04					
Do	do	Great Boulder No. 1 Battery		389-50	315-11			442-50	375-61					
Do	do	Half-Mile Reef Battery						46-00	26-02					
Do	do	Hannan's Reward Battery				109-75		748-75	1,235-79					
Do	do	Kalgoorlie Crushing and Cyanide Works						10-50	6-85					
Do	do	Lady Bountiful Battery		15-00	8-90			39-00	23-98					
Do	do	Lake View South Battery				563-21		1,245-50	2,014-24					
Do	do	Mona Public Battery		1,408-00	319-60			6,104-75	5,489-19					
Do	do	Nerrin Nerrin Battery		12-00	220-35			390-50	424-01					
Do	do	New Arrow Proprietary Battery		426-00	233-50			3,855-58	4,059-41					
Do	do	New Austral Works		5-00	22-00			5-00	22-00					
Do	do	Paddington Cyanding Works			cy. 743-90				1,229-72					
Do	do	Railway Venture Battery			cy. 396-80			30-30	409-87					
Do	do	Seabrook Battery, Northam				810-63		952-75	933-00					
Do	do	Try-it Cyaniding Works			cy. 438-00				438-00					
Alluvial				844-12			2,314-38							
Total				1,229-52	161-30	44,740-13	33,284-62	74	4,297-58	925-29	231,396-26	181,150-49	78	3 13 24

† Also 250ozs. from unknown tons.

TABLE IV.—Production of Gold from all sources, etc.—continued.

North-East Coolgardie Goldfield.

KANOWNA DISTRICT.

MINING CENTRE.	NUMBER OF LEASE.	NAME OF LEASE.	REGISTERED NAME OF COMPANY.	Area in Acres.	TOTAL FOR 1901.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1901.
					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.	£ s. d.
Black Swan	...	Voided leases ...	...	...	...	...	...	...	...	...	...	160'00	172'28	...	...
Gambier ...	898x	Brilliant ...	...	12	...	...	...	...	...	...	33'55	48'00	62'00	1'29	...
Do	434x	Camelia ...	...	24	...	...	...	...	...	...	...	242'50	386'35	1'59	...
Do	946x	Gem ...	...	12	...	...	10'00	62'75	6'27	...	4'10	37'00	126'95	3'43	...
Do	...	Voided leases ...	...	...	...	...	...	...	...	...	...	202'00	213'18	...	...
Do	...	Sundry claims...	...	...	...	...	...	...	...	...	...	10'00	4'50	...	...
Gordon ...	98x, 1006x, 1013x	...	Advance Australia Prospectors, Ltd.	48	...	...	196'00	135'67	'69	...	...	216'00	177'67	'82	3 11 6
Do	1027x (696x) ...	Golden Rainbow ...	...	5	...	205'00	37'00	143'95	3'89	...	205'00	37'00	143'95	3'89	3 15 0
Do	837x, 1000x ...	Koh-i-Noor leases...	...	18	...	...	109'00	76'00	'70	...	...	220'80	159'49	'72	3 15 0
Do	945x (881x) ...	Mount Eba ...	...	V.N.P.	...	...	81'00	32'85	'40	...	...	145'00	77'57	'53	...
Do	891x (287x) ...	Sirdar ...	...	12	...	...	26'00	254'05	9'77	...	21'00	26'00	254'05	9'77	3 10 0
Do	...	Voided leases ...	...	...	...	...	...	...	...	...	...	170'00	112'32	...	...
Do	...	Sundry claims...	...	...	...	9'00	31'00	66'45	...	...	9'00	51'00	98'80	...	...
Hayes' New Find	1011x	Gindalbie ...	...	5	...	...	15'00	7'50	'50	...	...	15'00	7'50	'50	...
Do	955x	Pride of Vosperton	...	V.N.P.	...	...	89'00	130'60	1'46	...	...	303'00	659'35	2'17	...
Do	392x, 394x, 396x	South Gippsland leases	...	60	...	...	85'00	89'02	1'04	...	...	3,330'00	4,139'86	1'24	...
Do	847x	(Whitehead's Find)	...	...	...	...	...	...	...	...	22'00	313'00	557'72	1'78	...
Do	847x, 964/5x	...	Vosperton G.Ms., Ltd.	36	...	...	100'00	88'00	'88	...	...	100'00	88'00	'88	3 7 1
Do	...	Voided leases ...	...	...	...	...	...	...	...	...	...	1,266'05	1,135'85	...	...
Do	...	Sundry claims...	...	...	...	215'00	82'00	180'00	...	...	215'00	324'00	574'55	...	...
Kanowna	978x	Altoona ...	...	24	...	...	24'00	1'40	'06	...	...	24'00	1'40	'06	3 15 4
Do	35x, 64x, 345x	...	Ballarat and Prince Oscar Syndicate, Ltd.	40	...	...	553'50	275'56	'49	...	...	2,835'00	2,219'71	'78	4 0 1
Do	(92x, 96x), 952x, 961x, 963x	...	Bonnie Charlie G.M. Co., N.L.	30	...	...	195'00	101'00	'52	...	...	1,101'50	552'77	'50	3 9 0
Do	120x	...	Broad Arrow Gold Co., Ltd.	12	...	...	...	...	...	...	...	190'00	101'43	'53	...
Do	927x	Commonwealth ...	...	a. r. p. 6 1 33	...	...	368'00	178'67	'48	...	...	622'50	373'89	'60	3 18 0
Do	928x	Eaton's Lode Consolidated	...	3 1 9	...	26'10	667'50	365'05	'54	...	83'69	1,274'50	873'60	'68	3 19 4
Do	935x	Eaton's Lode Extended	...	V.N.P.	...	...	861'00	305'94	'35	...	3'43	2,556'75	1,070'02	'42	...
Do	952x	(Federal) ...	...	...	...	...	...	...	...	...	...	176'00	85'17	'48	...
Do	926x	Federal Extended	...	a. r. p. 5 0 22	...	...	365'00	230'10	'63	...	...	505'00	282'30	'56	3 19 4
Do	913x	Fitzroy Federated	...	4 2 26	...	...	1,139'25	476'95	'41	...	...	1,958'25	809'48	'41	4 0 0
Do	83x, 180x, 200/1x	...	(Golden Cement Claims)	...	...	...	...	...	...	...	...	5,848'00	2,841'35	'48	...
Do	38x, 55x	...	Golden Crown, Ltd.	26	...	13'30	305'50	233'70	'76	...	13'30	1,875'50	2,186'58	1'16	...
Do	75x	Golden Feather	...	Ftd.	...	73	17'80	22'45	1'26	...	85	304'80	522'41	1'71	...
Do	367x, 510x, 821x	...	Golde Valley Mines of W.A., Ltd.	60	...	...	...	...	...	...	...	5,133'00	1,798'12	'35	...
Do	1024x	Havilah ...	...	12	...	2'35	10'50	21'75	2'07	...	2'35	10'50	21'75	2'07	...
Do	1019x	Kanowna ...	...	7	...	13'00	82'00	118'10	1'44	...	13'00	82'00	118'10	1'44	...

Do	808x	...	...	...	Kanowna Champion Lode G.M. Co., N.L.	21	...	...	45-00	52-12	1-15	...	...	57-00	53-27	'93	3 15 3
Do	153x, 807x	...	...	...	Kanowna Consolidated G.Ms., Ltd.	42	...	...	280-00	189-55	'67	...	...	280-00	189-55	'67	
Do	891x	...	Kanowna Perseverance	...	...	5	...	...	...	...	...	...	...	20-00	6-15	'30	
Do	187x, 456x	...	...	...	London and Coolgardie Explorers, Ltd.	29	...	...	3,555-00	1,519-64	'42	...	...	14,790-50	7,059-12	'47	
Do	1023x	...	Kitchener	...	...	a. r. p. 0 2 37	...	...	10-00	19-07	1-90	...	...	10-00	19-07	1-90	
Do	958x	...	Lord Roberts	...	...	V.N.P.	...	...	114-50	36-85	'32	...	...	148-50	60-76	'41	
Do	18x, 19x, (314x)	...	...	...	(Lily Australis G.Ms., Ltd.)	...	...	...	...	...	...	...	...	197-00	130-10	'66	
Do	822x	...	New Chum	...	...	a. r. p. 4 1 27	...	4-75	39-00	8-05	'20	...	11-75	146-50	122-68	'83	
Do	942x	...	North Lead Central	...	...	9 2 2	...	...	236-00	106-74	'45	...	6-25	1,067-00	503-54	'47	
Do	923x	...	...	...	North Lead Lode Amalgamated Co., Ltd.	11 2 0	...	...	64-00	14-55	'22	...	...	564-00	199-36	'35	
Do	{ 3x, 18/9x, 46x, 60x, 81x, 938x, 974x }	...	...	...	North White Feather G.Ms., Ltd.	95 3 36	...	...	4,449-00	3,812-00	'85	...	...	6,098-00	5,458-84	'89	3 15 6
Do	1028x	...	Panfry	...	...	7	...	...	68-50	70-55	1-03	...	...	68-50	70-55	1-03	
Do	944x	...	Pioneer Lode Claim	...	...	a. r. p. 5 2 19	...	...	30-00	10-00	'33	...	...	256-00	77-91	'30	
Do	52x, 68x, 185x, 213x	...	...	...	Robinson G.Ms., Ltd	50	...	...	1,551-00	2,027-29	1-30	...	...	12,911-75	14,050-51	1-09	3 11 6
Do	986x	...	Robinson Extended	...	...	Ftd.	...	...	29-00	7-82	'27	...	...	29-00	7-82	'27	
Do	807x	...	...	...	(Second Kanowna Synd., Ltd.)	...	...	...	...	...	...	...	...	20-00	13-65	'68	
Do	194x	...	Sunbeam	...	...	12	...	...	1,631-00	2,382-48	1-46	...	...	3,270-75	5,459-07	1-67	3 14 0
Do	997x	...	Waitaki	...	...	V.N.P.	...	...	45-50	18-05	'39	...	...	45-50	18-05	'39	
Do	153x	...	...	...	(Waldon's Find G.M., Ltd.)	...	...	...	127-50	91-60	'71	...	...	1,076-05	1,008-27	'93	3 10 0
Do	987x	...	...	...	Westralian Gold Extracting Co., Ltd.	6	...	...	60-00	21-00	'35	...	...	60-00	21-00	'35	
Do	5x, 843x	...	...	...	White Feather Extended, Ltd.	a. r. p. 18 0 14	...	...	62-00	94-95	1-53	...	...	439-00	485-23	1-10	
Do	12/5x, 855x, 1001x, 1012x	...	...	...	White Feather Main Reefs, Ltd.	79 3 38	...	...	16,080-00	14,492-45	'90	...	...	51,803-00	49,014-80	'94	3 12 6
Do	{ (1x), 9x, 10x, 72x, 83x, 180x, 200/1x, 431x }	...	...	...	White Feather Reward Claim, Ltd.	85	...	...	1,420-00	2,081-10	1-46	...	...	22,218-00	17,111-58	'77	
Do	...	...	Voided leases	...	...	...	...	...	...	...	...	342-73	...	2,427-80	3,171-52	...	
Do	...	...	Sundry claims	...	...	...	4-05	...	2,414-70	1,421-80	...	7-90	...	3,959-70	2,729-59	...	
Mulgarrrie	829x	...	...	...	Dickens' Custer Mines, Ltd.	Ftd.	...	...	44-00	36-00	'82	...	...	44-00	36-00	'82	
Do	949x	...	Edith	...	...	V.N.P.	...	...	56-00	8-00	'14	...	...	66-00	16-02	'24	
Do	74x, 149x, 165x	...	...	...	Phoenix G.Ms., Ltd.	51	...	32-60	...	...	...	1,078-96	...	2,226-00	1,223-00	'55	
Do	...	...	Sundry claims	...	...	...	...	...	61-00	165-45	...	...	...	76-00	171-45	...	
Six-Mile	1025x	...	Caledonia	...	...	12	...	153-52	...	...	...	153-52	...	...	...	...	
Do	931x	...	Home Signal	...	...	12	...	153-00	35-50	70-70	1-99	...	727-70	98-50	214-15	2-17	
Do	1015x	...	Home Signal No. 1	...	...	5	...	101-00	52-00	74-80	1-44	...	101-00	52-00	74-80	1-44	
Do	992x	...	Seymour	...	...	12	...	2-75	...	...	...	...	2-75	...	...	...	
Do	932x, 994x	...	Signal Consols leases	...	...	24	...	58-00	41-00	111-80	2-72	...	135-63	81-50	200-95	2-46	
Do	1018x	...	Signal Junction	...	...	12	...	65-00	...	...	...	...	65-00	...	...	...	
Do	...	...	Voided leases	...	...	...	...	...	...	...	...	...	6-50	96-50	65-11	...	
Do	...	...	Sundry claims	...	...	...	...	19-30	22-50	7-40	...	...	25-20	72-00	68-20	...	
Carried forward						...	...	...	1,078-45	38,073-75	32,549-32	...	...	3,291-16	156,489-70	132,126-69	...

TABLE IV.—Production of Gold from all sources, etc.—continued.

North-East Coolgardie Goldfield—continued.

KANOWNA DISTRICT—continued.

MINING CENTRE.	NUMBER OF LEASE.	NAME OF LEASE.	REGISTERED NAME OF COMPANY.	Area in Acres	TOTAL FOR 1901					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1901.
					Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Average per ton treated.	
			Brought forward		ozs.	ozs.	tons.	ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	£ s. d.
		<i>From District generally—</i>			...	1,078·45	38,073·75	32,549·32	...	...	3,291·16	156,489·70	132,126·69	...	
		Sundry parcels treated at Albert Herbert Works			...	...	...	sl. 5·00	...	...	...	...	5·00	...	
	Do	do Golden Puzzle Battery			...	...	...	cy. 25·50	...	...	...	49·50	174·75	...	
	Do	do Haacksville Works			...	...	...	cy. 105·15	...	...	...	26·00	135·80	...	
					...	...	...	pl. 5·00	...	...	...	...	...	...	
	Do	do Kalgoorlie Gold Recovery Works			...	...	...	cy. 147·00	...	...	...	...	147·00	...	
	Do	do Kanowna Carbine Battery			...	...	...	...	...	...	...	14·00	182·00	...	
	Do	do Nemesis Battery			...	...	...	...	...	...	...	77·50	90·25	...	
	Do	do Shamrock Battery			...	...	...	...	...	...	...	8·50	13·60	...	
		TOTAL FOR LEASES AND QUARTZ CLAIMS			...	1,078·45	38,073·75	32,836·97	·86	...	3,291·16	156,665·20	132,875·09	·84	
		CEMENT FROM ALLUVIAL CLAIMS.													
		Reported by owners			...	...	70·00	53·40	...	262·50	1·00	14,305·15	12,223·33	...	
		§ Treated locally (not reported by owners)—			...	...	...	...	...	...	...	...	...	...	
		At Altoona Works			...	...	79·00	21·30	...	...	...	79·00	21·30	...	
		At Bonnie Charlie Works			...	...	...	...	...	...	...	266·00	196·20	...	
		At Golden Crown Works			...	...	...	...	...	...	...	2,350·08	1,566·15	...	
		At Golden Star Works			...	...	50·00	31·09	...	...	...	259·50	192·16	...	
		At Golden Valley Works			...	...	...	...	...	...	...	11,603·20	11,753·68	...	
		At Haacksville Works (W.R. 1x)			...	...	15·00	3·00	...	...	...	1,864·50	1,279·81	...	
		At Kanowna Carbine Works			...	...	...	...	...	...	...	3,491·70	6,311·40	...	
		At London and Coolgardie Works			...	...	...	...	...	...	...	305·25	128·23	...	
		At Machinery Area 14x (Nemesis Works)			...	...	...	...	...	...	...	2,007·25	2,989·63	...	
		At Machinery Area 15x			...	...	386·00	55·50	...	...	...	925·00	202·92	...	
		At Machinery Area 16x			...	...	...	...	...	...	...	84·15	14·11	...	
		At Machinery Area 17x (Monmouth Works)			...	...	...	...	...	...	...	1,952·30	2,108·51	...	
		At Machinery Area 19x (Old Cement Works)			...	...	614·00	301·86	...	...	...	3,077·00	1,760·43	...	
		At Machinery Area 21x			...	...	...	...	...	...	...	48·00	35·00	...	
		At Machinery Area 24x			...	...	...	...	...	...	...	18·00	2·80	...	
		At Machinery Area 25x			...	...	134·00	37·60	...	...	...	1,987·00	940·60	...	
		At Machinery Area 29x (Globe Works)			...	...	40·00	14·70	...	...	...	362·50	276·80	...	
		At Machinery Area 31x			...	...	80·00	15·35	...	...	...	80·00	15·35	...	
		At Machinery Area 34x			...	...	204·00	103·65	...	...	...	283·00	137·20	...	
		At Quartz Claim 57x			...	...	615·50	340·34	...	...	...	1,079·00	576·04	...	
		At Red Cross Works			...	...	30·00	22·35	...	...	...	30·00	22·35	...	
		At Red Lake Works			...	...	...	...	...	...	...	44·00	9·59	...	
		At Rigg's Works, Red Lake			...	...	...	...	...	...	...	45·00	4·87	...	
		At Robinson Works			...	...	128·25	59·20	...	...	...	10,208·40	8,952·15	...	
		At Shamrock Works			...	...	...	...	...	...	...	17,004·95	16,503·95	...	
		At Six-Mile Works (W.R. 46x)			...	...	...	...	...	...	...	114·00	50·10	...	
		At Waldon's Find Works			...	...	...	...	...	...	...	1,703·95	1,425·08	...	
		At White Feather Reward Works			...	...	...	...	...	...	...	2,433·50	2,171·56	...	



Treated outside district (not reported by owners)—

At Brookman Bros.' Boulder Works, Boulder ...	...	...	...	...	...	...	...	...	...	...	1,442.50	1,051.35	...			
At Coolgardie Exhibition Works, Coolgardie ...	...	...	...	...	...	...	...	...	...	...	5.15	6.95	...			
At Cosgrove's Bayley's Works, Coolgardie ...	...	...	...	...	...	...	...	...	...	...	1.00	21.25	...			
At Flagstaff Works, Coolgardie ...	...	...	...	...	...	...	...	...	...	...	424.00	250.51	...			
At Great Boulder No. 1 Works, Boulder ...	...	...	...	...	...	40.00	19.10	...	...	...	6,284.00	6,469.08	...			
At Hannan's Reward Works, Kalgoorlie ...	...	...	...	...	...	...	...	...	...	...	5,287.10	9,622.82	...			
At Haycroft Gold Reduction Works, Kalgoorlie ...	...	...	...	...	...	...	...	...	...	...	272.50	730.13	...			
At Kalgoorlie Mint and Iron King Works, Boulder ...	...	...	...	...	...	...	...	...	...	...	529.00	849.31	...			
At Lake View South, Works, Boulder ...	...	...	...	...	...	...	...	...	...	...	8,254.45	17,111.68	...			
At Leviathan Filter Press and Cyanide Works, Kalgoorlie ...	...	...	...	...	...	...	...	...	...	...	1,139.85	1,823.27	...			
At Seabrook Works, Northam ...	...	...	...	...	...	...	...	...	...	...	4,118.00	3,725.46	...			
Alluvial ...	...	...	...	...	...	5,778.41	...	...	...	107,930.37	...	...	...			
Notices of Purchase ...	...	...	...	...	...	...	...	...	cy. 98.00	133.10	...	...	98.00			
Total ...	...	...	...	...	...	5,778.41	1,078.45	40,559.50	34,013.41	84	108,325.97	3,292.16	262,434.13	246,506.20	94	3 13 5

§ Does not represent the total treatments at these works.

BULONG DISTRICT.

				Ftd.	ozs.	ozs.	tons.	ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	s. d.
Balagundi	725y (680y)	Caledonian	...	...	...	...	...	...	...	...	...	20.00	20.20	1.01	
Do	800y	Homeward Bound	...	24	...	...	8.00	62.50	7.81	...	...	8.00	62.50	7.81	
Do	748y (725y)	Mt. Bellew	...	24	...	730.20	72.00	338.35	4.70	...	808.53	99.00	410.35	4.14	3 18 1
Do	765y	Queen of Balagundi	...	12	...	...	71.00	72.70	1.02	...	...	71.00	72.70	1.02	3 13 9
Do	...	Voided leases	...	...	...	...	...	...	...	...	5.00	45.50	38.95	...	
Do	...	Sundry claims	...	...	...	...	21.50	6.96	...	...	...	26.50	9.16	...	
Bulong	792y (715y)	Commonwealth	...	6	...	...	18.00	13.72	7.76	...	...	18.00	13.72	7.76	
Do	757y	Esmeralda	...	Surr.	...	...	1.50	4.80	3.20	...	44.00	1.50	4.80	3.20	
Do	772y	Golden Hope	...	12	...	...	10.00	2.55	2.5	...	...	10.00	2.55	2.5	
Do	751y (722y)	I.O.U.	...	5	...	...	35.00	10.31	2.9	...	...	53.00	19.31	3.6	
Do	687y	Last Chance	...	18	...	...	117.00	110.41	9.4	6.20	...	221.00	183.92	8.8	
Do	11y, 36y	(Melbourne United G.M. Co., N.L.)	...	...	...	...	...	...	...	...	...	236.20	230.73	9.7	
Do	683y, 688y, 698y	Ninety-eight leases	...	18	...	...	23.25	22.30	9.6	...	122.00	519.75	767.23	1.47	3 17 10
Do	74y, 564y	Princess Margaret G.M. Co., N.L.	...	30	...	...	...	...	...	...	...	632.00	1,097.75	1.73	
Do	9y, 11y, 36y, 142y, 692/3y, 697y	Queen Margaret G.M. Co., Ltd.	...	126	...	...	5,695.00	6,128.90	1.07	...	...	36,320.00	42,653.55	1.17	3 16 2½
Do	205y	Queen Margaret No. 1 South G.M. Co., N.L.	...	12	...	...	...	...	...	...	...	106.00	880.00	8.30	
Do	95y, 631y	Queen Margaret South G.M. Co., N.L.	...	48	...	...	...	...	...	...	1,120.00	419.00	1,503.35	3.58	
Do	681y	(Slug Hill)	...	...	...	...	...	...	...	...	...	557.00	660.14	1.18	
Do	681y	Slug Hill Proprietary G.Ms. Co., N.L.	...	24	...	...	195.00	89.15	4.5	...	...	195.00	89.15	4.5	
Do	14y	(White Horse)	...	...	...	...	18.50	79.27	4.28	...	801.05	336.50	821.77	2.44	
Do	14y	White Horse	Queen Margaret G.M. Co., Ltd.	12	...	...	1,510.00	1,208.65	8.0	...	...	1,510.00	1,208.65	8.0	
Do	...	Voided leases	...	...	...	...	...	...	...	72.35	593.65	2,269.00	1,262.59	...	
Do	...	Sundry claims	...	...	170.80	722.38	2,467.00	6,503.72	...	1,352.84	787.33	2,887.75	6,862.85	...	
Mt. Monger	740y	Hogan's Flat	...	18	...	...	...	...	...	...	...	...	...	...	
Do	737y	Mount Monger	...	6	...	416.50	...	...	...	...	711.75	11.50	39.61	3.44	
Do	753y	None-such	...	12	...	...	33.50	80.92	2.41	...	308.28	47.50	96.02	2.02	
Do	...	Voided leases	...	...	...	...	...	...	...	...	1,710.00	71.50	284.44	...	
Do	...	Sundry claims	...	...	...	...	16.50	17.43	...	...	...	75.50	44.81	...	
Taurus	...	Voided leases	...	...	...	...	...	...	...	...	2.30	1,561.55	646.21	...	
Do	...	Sundry claims	...	...	...	...	...	...	...	125.73	...	23.00	12.59	...	
		Carried forward	...	...	170.80	1,877.58	10,312.75	14,752.64	...	1,559.42	7,019.59	48,352.25	59,999.60	...	

TABLE IV.—Production of Gold from all sources, etc.—continued.

North-East Coolgardie Goldfield—continued.

BULONG DISTRICT—continued.

MINING CENTRE.	NUMBER OF LEASE.	NAME OF LEASE.	REGISTERED NAME OF COMPANY.	Area in Acres.	TOTAL FOR 1901.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1901.
					Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Average per ton treated.	
Brought forward ... ..					ozs. 170·80	ozs. 1,877·58	tons. 10,312·75	ozs. 14,752·64	ozs. ...	ozs. 1,559·42	ozs. 7,019·59	tons. 48,352·25	ozs. 59,999·60	ozs. ...	£ s. d.
<i>From District generally—</i>															
Sundry parcels treated at Government Public Battery, Bulong ... ..					...	...	...	...	...	...	...	2,224·00	1,678·60	...	
Do do Holt's Battery ... ..					...	...	...	...	...	...	...	3,648·55	3,337·18	...	
Do do Queen Margaret Battery ... ..					...	...	...	...	...	...	...	35·50	25·05	...	
Alluvial ... ..					2,143·09	...	...	...	...	20,424·04	...	...	...	...	
Notices of Purchase ... ..					420·04	19·03	...	...	...	454·04	19·03	...	...	...	
Total ... ..					2,733·93	1,896·61	10,312·75	14,752·64	1·43	22,437·50	7,038·62	54,260·30	65,040·43	1·20	3 16 54

KURNALPI DISTRICT.

Jubilee ... ..	220κ, (246κ ... ..	Jubilee Gift South ... ..	...	24	ozs. ...	ozs. ...	tons. 756·00	ozs. 535·75	ozs. ·71	ozs. ...	ozs. ...	tons. 986·00	ozs. 743·76	ozs. ·75	£ s. d. 3 10 6
Do ... ..	220κ ... ..	... ..	(Mountain Maid and Iron Prince G.Ms., Ltd.)	...	...	...	...	...	...	...	...	208·00	229·51	1·10	
Do ... ..	... ..	Voided leases ... ..	...	...	...	...	...	...	...	106·47	...	93·50	149·95	...	
Kurnalpi ... ..	25κ, 29κ ... ..	... ..	Hampton Goldhill Mines, Ltd.	a. r. p. 24 3 28	...	...	342·00	131·50	·38	...	...	839·00	466·09	·55	
Do ... ..	... ..	Voided leases ... ..	...	...	...	...	...	...	...	...	...	871·05	553·72	...	
Do ... ..	... ..	Sundry claims ... ..	...	...	...	...	...	...	280·00	...	...	25·00	18·64	...	
Mulgabbie ... ..	... ..	Voided leases ... ..	...	...	...	...	...	...	...	44·60	...	...	...	...	
Do ... ..	... ..	Sundry claims ... ..	...	...	620·65	8·00	123·76	...	8·50	1,518·07	...	15·00	271·56	...	
<i>From District generally—</i>															
Alluvial ... ..					1,827·00	...	...	...	...	9,902·45	...	...	...	...	
Notices of Purchase ... ..					159·59	...	...	...	...	159·59	...	...	...	...	
Total ... ..					1,986·59	620·65	1,106·00	791·01	·71	10,350·54	1,669·14	3,037·55	2,433·23	·80	3 10 6

## East Coolgardie Goldfield.

MINING CENTRE.	NUMBER OF LEASE.	NAME OF LEASE.	REGISTERED NAME OF COMPANY.	Area in Acres.	TOTAL FOR 1901					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1901.
					Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom	Average per ton treated.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Average per ton treated.	
Binduli	...	Voided leases	...	...	ozs.	ozs.	tons.	ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	£ s. d.
Do	...	Sundry claims	...	...	...	...	...	...	...	...	...	120-00	81-27	...	
Boorara	2310E, 2312E, 2314E	Golden Ridge Proprietary leases	...	72	...	...	1,023-00	899-92	·88	...	15-18	1,344-00	1,279-97	·95	3 16 0
Do	2310E, 2312/4E	...	(Golden Ridge W.A. Proprietary, Ltd.)	...	...	...	...	...	...	...	...	322-78	602-66	1-86	
Do	3908E, 3910E, 3912E	Waterfall leases	...	72	...	...	160-00	263-90	1-65	...	...	160-00	263-90	1-65	
Boulder	38E, 71/2E, 101E	...	Associated G.Ms. of W.A., Ltd.	a. r. p. 75 3 24	...	...	35,272-00	31,524-00	·89	...	...	189,683-30	246,009-00	1-29	3 17 6
Do	49E, 52/3E, 263E	...	Associated Northern Blocks (W.A.), Ltd.	78	...	75-45	5,839-65	37,194-61	6-36	...	110-10	7,157-95	47,413-52	6-62	4 0 0
Do	188E, 3800E	Slug Hill	...	12	...	...	16-00	17-05	1-06	...	...	16-00	17-05	1-06	
Do	1006E	...	Boulder Central G.M. Co., N.L.	a. r. p. 16 1 7	...	...	...	...	...	...	...	49-00	4-03	·08	
Do	1089E	...	Boulder Consols No. 1 G.M. Syndicate, N.L.	...	...	...	24-00	4-50	·18	...	...	24-00	4-50	·18	
Do	1112E, 1394E	...	Boulder Half-Mile South G.M. Co., N.L.	28	...	...	...	...	...	...	...	80-00	20-30	·25	
Do	261E, 281E	...	Brookman Bros. Boulder G.M. Co., Ltd.	36	...	...	325-00	648-00	1-99	...	...	8,655-00	8,993-41	1-04	3 1 9
Do	24E, 888E, 949E, 1168E	...	Central and West Boulder G.Ms. (W.A.) Ltd.	54	...	...	1,306-00	1,062-15	·81	...	...	24,631-00	16,811-79	·68	4 0 0
Do	351E	...	Golden Horseshoe Estates Co. Ltd.	24	...	...	98,907-00	185,297-26	1-87	...	...	225,898-39	462,095-90	2-04	3 15 4
Do	446E, 1069E	...	Golden Link Consolidated G. Ms., Ltd.	24	...	...	...	...	...	...	...	5-00	·25	·05	
Do	37E	Golden Pheasant	...	Ftd.	...	...	...	con. 11-75	...	...	...	...	11-75	...	
Do	873E	...	Great Boulder Main Reef, Ltd.	a. r. p. 24 3 0	...	...	20,649-00	26,648-86	1-29	...	...	54,939-89	86,307-42	1-57	3 12 0
Do	50E	...	Great Boulder No. 1, Ltd.	24	...	...	106-00	80-20	·75	...	...	2,019-00	2,187-60	1-08	
Do	66E	...	Great Boulder Perseverance G.M. Co., Ltd.	24	...	...	108,347-00	134,302-48	1-24	...	...	200,791-73	268,754-83	1-34	3 15 0
Do	16E, 51E, 61E, 102E, 280E	...	Great Boulder Proprietary G.Ms., Ltd.	a. r. p. 85 1 0	...	...	89,121-00	152,161-15	1-70	...	...	287,369-00	602,107-45	2-09	3 4 0
Do	3643E	...	Hainault G.Ms., Ltd.	20	...	...	5,583-00	3,985-80	·70	...	...	5,595-20	3,986-00	·71	3 17 10½
Do	1131E	...	Hannan's Central Extended G.M. Co., N.L.	24	...	...	5,623-00	6,301-95	1-12	...	...	5,623-00	6,301-95	1-12	
Do	1294E	...	(Hannan's Golden Pike G.M., Ltd.)	...	...	...	...	...	...	...	...	25-00	16-30	·65	
Do	410E, 532E	...	Hannan's Oroya G.M. Co., W.A., Ltd.	36	...	...	...	...	...	...	...	60,143-50	25,208-97	·41	
Do	15E, 60E	...	Hannan's Star G.Ms., Ltd.	18	...	...	17,456-00	12,064-51	·69	...	...	27,714-75	17,990-52	·65	
Carried forward				...	...	75-45	389,757-65	592,418-09	...	...	125-28	1,102,392-49	1,796,496-29	...	

TABLE IV.—Production of Gold from all sources, etc.—continued.

East Coolgardie Goldfield—continued.

MINING CENTRE.	NUMBER OF LEASE.	NAME OF LEASE.	REGISTERED NAME OF COMPANY.	Area in Acres.	TOTAL FOR 1901.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1901.
					Alluvial.	Dolled and Specimens	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dolled and Specimens	Ore treated.	Gold therefrom.	Average per ton treated.	
			Brought forward ...	...	...	ozs. 7.45	tons. 389,757.65	ozs. 592,418.09	...	...	ozs. 125.28	tons. 1,102,392.49	ozs. 1,796,496.29	...	£ s. d.
Boulder	31E		Ivanhoe Gold Corporation, Ltd.	24	...	90,423.00	108,767.15	1.20	...	...	272,134.00	413,615.79	1.52	3 14 6	
Do	3364E		Ivanhoe Venture G.M. Co., N.L.	V.N.P.	...	26.00	5.00	.19	...	30.50	70.00	96.60	1.38		
Do	33E		Kalgoorlie Bank of England G.M. Co., Ltd.	10	...	149.00	690.54	4.63	...	...	11,775.50	7,492.95	.63	3 18 9½	
Do	73E, 74E		Kalgoorlie Mint and Iron King G.M.s., Ltd.	42	...	309.00	353.66	1.14	...	...	3,647.00	8,201.97	2.24	3 10 0	
Do	22E, 34E		Kalgurli G.M.s., Ltd.	18	...	15,228.00	19,222.36	1.26	...	...	26,951.48	41,836.88	1.55	3 17 10½	
Do	25E, 32E		Lake View Consols, Ltd.	48	...	101,287.00	153,857.98	1.52	...	...	311,254.60	682,156.94	2.19	3 15 0	
Do	103E		Lake View Extended G.M. (W.A.), Ltd.	24	...	...	...	...	...	...	710.00	177.25	.24		
Do	75E		Lake View South G.M. (W.A.), Ltd.	20	...	514.48	2,071.19	4.02	...	...	4,848.48	3,543.00	.73	3 10 0	
Do	3911E	Last Chance	...	24	...	10.00	3.70	.37	...	...	10.00	3.70	.37		
Do	35E		North Boulder G.M. Co., Ltd.	9	...	2,207.50	2,773.34	1.25	...	...	32,157.40	48,558.22	1.51	3 1 6½	
Do	287E, 444E		North Kalgurli G.M.s., Ltd.	30	...	350.00	939.85	2.68	...	...	648.55	2,408.12	3.71		
Do	1208E, 3612E		South Kalgurli G.M.s., Ltd.	14 1 27	...	20,570.00	19,470.00	.94	...	...	31,789.00	30,473.64	.96	3 15 0	
Do	3031E		Trafalgar G.M. (W.A.), Ltd.	19 1 13	...	113.00	30.27	.27	...	...	150.95	35.42	.23		
Do		Voided leases	...	...	...	...	...	...	...	...	35.00	27.85	...		
Do		Sundry claims	...	...	...	...	...	...	...	...	499.00	820.70	...		
Feysville	3770E	Eagle Hawk United	...	8	...	...	cy. 5.00	...	...	...	108.00	185.81	1.72		
Do	Block 50		Haxlpton Properties, Ltd.	...	...	23.00	77.00	1.62	...	23.00	109.00	185.81	1.72		
Do	3900E	Kitchener	...	12	...	...	1,433.00	422.15	.28	...	8.00	2,195.00	858.25	.39	3 17 1
Do	2684E	Rosina	...	12	...	20.00	14.75	.74	...	...	20.00	14.75	.74		
Do		Voided leases	...	12	...	7.00	4.80	.68	...	1.10	17.50	7.80	.44		
Kalgoorlie	392E	Acrobat	Paringa Consolidated Mines, Ltd.	24	...	...	...	...	...	...	114.85	45.37	...		
Do			...	24	...	...	...	...	...	...	10.25	40.06	3.90		
Do	989E, 1013E, 1170E, 1596E		Brown Hill Central G.M.s., Ltd.	a. r. p. 58 3 9	...	...	...	...	...	...	2,764.50	2,196.09	.79		
Do	558E		Brown Hill Extended, Ltd.	12	...	...	...	...	...	...	837.75	4,572.23	5.45		
Do	1101E, 1111E		Brown Hill Junction G.M. Co.	a. r. p. 15 1 21	...	60.00	29.71	.49	...	...	60.00	29.71	.49		
Do	552E, (861E), 922E, (999E, 1075E)		Brown Hill Proprietary G. Ms., Ltd.	24	...	153.00	227.36	1.48	...	...	351.00	509.66	1.45	4 1 9	
Do	238E		Crossus North No. 1, Ltd.	9	...	1,244.00	880.16	.70	...	...	1,685.25	1,097.76	.65	4 2 0	
Do	1621E		Crossus Proprietary G.M. Co.	12	...	...	...	...	...	...	61.00	20.90	.34		
Do	13E, 90E, 302E		Crossus South G.M.s., Ltd.	27	...	14,859.00	4,048.02	.20	...	...	18,979.00	5,386.02	.28	3 17 10½	
Do	3880E	Devon Consols	...	24	...	11.35	258.00	213.42	.82	...	11.35	443.00	.67	3 17 9	

Do	947E, 1294E, 3469E	...	Golden Pike and Lake View East Mines, Ltd.	a. r. p. 37 1 15	...	151-00	32-30	21	...	151 00	32-30	21	
Do	1694E	Golden Zone	...	22	...	390-00	206-50	53	...	924-00	730-16	79	3 17 8
Do	6E	...	Hannan's Block 45, Ltd.	18	...	1,406-00	2,149-13	1-52	...	2,343-55	3,459-91	1-05	3 18 8½
Do	1292E	Hannan's Britannia	...	a. r. p. 22 2 18	...	27-00	11-35	42	...	374-50	288-06	77	
Do	448E, 578E, 698E, 944E, 1395E	...	Hannan's Brown Hill G.M. Co., Ltd.	53 3 5	...	21,690-00	55,737-01	2-57	...	159,381-30	308,823-34	1-93	3 13 2¼
Do	131E, 245E, 269E, 743E, 794E, 969E	...	Hannan's Central G.M., Ltd.	48	...	4,147-00	2,654-17	64	...	4,202-00	2,673-27	63	
Do	14CE, 415E, 1163E	...	Hannan's Consols, Ltd.	21	...	1,291-00	1,316-45	1-02	...	1,593-00	1,637-94	1-02	
Do	739E	...	Hannan's Croesus G.M. Co., Ltd.	23	...	375-00	746-45	1-99	...	4,256-75	4,765-42	1-12	
Do	755E	...	Hannan's Excelsior G.M., Ltd.	12	...	...	...	...	...	103-50	52-94	51	
Do	9E, (37E), 42E	...	Hannan's Find Gold Reefs, Ltd.	a. r. p. 10 1 7	...	46-00	11-20	24	...	83-50	31-15	37	
Do	983E, 1183E, 1305E, 1393E	...	Hannan's Golden Group, Ltd.	73 1 27	...	...	...	...	...	6-00	18-00	3-00	
Do	3625E, 3705E	...	Hannan's Kapai, Ltd.	37 0 9	...	73-00	17-25	23	...	73-00	17-25	23	
Do	134E, 924E	...	Hannan's Main Reef G.M. Co., Ltd.	21	...	...	...	...	...	145-00	62-85	43	
Do	1004E	...	Hannan's North Croesus G.M. Co., Ltd.	12	...	...	...	...	...	50-00	14-22	28	
Do	12E, 229E, 248E	...	Hannan's North G.M. Co., Ltd.	48	...	1,756-00	1,882-03	1-07	...	2,886-00	3,493-05	1-21	3 16 5
Do	1024/5E, 1035E, 1167E	...	Hannan's Proprietary Development Co., Ltd.	a. r. p. 61 1 15	...	10,440-00	2,826-12	27	...	19,788-50	8,779-65	44	3 18 0
Do	97E, 160E, 1240E	...	Hannan's Reward, Ltd.	39 0 27	...	2,278 00	5,893-85	2-58	...	11,211-00	14,809-56	1-32	3 15 6
Do	796E, 1228E	...	Hannan's Reward North G. M. Co., N.L.	27	...	91-00	80-96	89	2-83	309-00	255-14	82	
Do	946E	...	Ironsides North G.M. Co., N.L.	a. r. p. 24 3 20	...	220-00	60-17	27	...	1,084-00	780-82	72	
Do	1260E, (1733E), 1734E, (1735E)	...	Kalgoorlie Mining Developments Co., Ltd.	30 3 5	...	...	...	...	9-67	2,640-85	2,866-27	1-08	
Do	547E	...	Kalgoorlie Proprietary G.M. Co., N.L.	12	...	...	...	...	...	20-00	23-84	1-19	
Do	12E, 229E, (3745E)	...	(Kalgurli Star Syndicate, Ltd.)	...	...	40-00	32-47	81	5-67	1,597-29	977-23	61	
Do	790E, 1008E	...	King of the Hills G.M. Co., Ltd. (late Harquahala G.M. Co., Ltd.)	27	...	17-00	13-98	82	...	76-00	80-83	1-06	
Do	2E, 279E	...	Maritana G.M. Co., N.L.	a. r. p. 14 0 11	...	447-00	417-02	93	...	982-50	917-07	93	3 17 6
Do	2229E	Maritana South	...	8 2 26	...	...	...	...	148-30	171-50	209-09	1-21	
Do	21E, 64E	...	Monte Christo G.M. Co., N.L.	17 3 18	...	...	...	...	...	107-00	33-70	31	
Do	211/3E, 1653E	...	Mt. Charlotte G.M. Co., Ltd.	67 1 10	...	5,746-00	2,471-26	43	...	17,471-10	7,398-28	42	
Do	282E	Nil Desperandum	...	12	...	61-00	37-42	61	...	61-00	37-42	61	4 2 0
Do	244E	...	North Croesus G.M. Co., Ltd.	12	...	...	...	...	18-26	...	...	...	
Do	1556E	...	North Mt. Charlotte G.Ms., Ltd.	24	...	95-00	92-18	97	...	814-00	454-93	56	3 17 9
			Carried forward	...	...	117-80	689,892-63	983,262-87	...	383-96	2,059,627-39	3,414,931-21	...

TABLE IV.—Production of Gold from all sources, etc.—continued.

East Coolgardie Goldfield—continued.

MINING CENTRE.	NUMBER OF LEASE.	NAME OF LEASE.	REGISTERED NAME OF COMPANY.	Area in Acres.	TOTAL FOR 1901					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1901.		
					Alluvial.	Dolled and Specimens	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dolled and Specimens	Ore treated.	Gold therefrom.	Average per ton treated.			
			Brought forward ...	...	ozs.	ozs.	tons.	ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	£ s. d.		
Kalgoorlie	890E	...	North Western Associated G.Ms. (W.A.), Ltd.	24	...	117·80	689,892·63	983,262·87	...	...	383·96	2,059,627·39	3,414,931·21	1·78			
Do	535E	...	Octagon Explorers, Ltd.	12	...	...	352·00	176·70	·50	...	...	352·00	176·70	·50	3 19 7		
Do	4E	Cassidy Hill	Paringa Consolidated Mines, Ltd.	9	...	...	693·00	1,925·62	2·78	...	...	1,487·00	‡ 3,438·83	2·31	3 18 0		
Do	501E, 1591E, 2988E	...	Paringa Consolidated Mines, Ltd.	a. r. p. 14 3 7	...	...	121·00	75·75	·62	...	...	201·00	156·20	·77	3 16 0		
Do	225E, 1114aE, 3789E	...	Reefer's Eureka G.M. Co., N.L.	29 3 9	...	...	...	...	...	...	...	995·40	1,083·77	1·08			
Do	3771E	Sons of Gwalia, Kalgoorlie	...	12	...	...	72·00	70·00	·97	...	...	100·00	85·00	·85			
Do	...	Voided leases	...	...	...	...	...	...	...	...	15·65	176·00	210·71	...			
<i>From Goldfield generally—</i>																	
	Sundry parcels treated at Brookman Bros.' Boulder Battery			...	...	...	...	...	...	...	...	1,293·00	2,036·82	...			
	Do	do	Coolgardie Ore Reduction Works	...	...	...	...	...	...	...	...	10·50	·60	...			
	Do	do	Cresus South Battery	...	...	...	35·00	18·38	...	...	...	35·00	18·38	...			
	Do	do	Great Boulder No. 1 Battery	...	...	...	704·50	595·34	...	...	...	3,737·25	2,900·16	...			
	Do	do	Hannan's Proprietary Battery	...	...	...	743·85	315·51	...	...	...	743·85	315·51	...			
	Do	do	Hannan's Reward Battery	...	...	...	1,168·75	1,320·57	...	...	...	6,321·75	6,673·73	...			
	Do	do	Kalgoorlie Gold Recovery Works	...	...	...	...	cy. 488·80 con. 245·80 ‡ 181·00	...	...	...	...	915·60	...			
	Do	do	King & Co.'s Smelting and Metallurgical Works	...	...	...	...	...	...	...	17·00	6·50	152·83	...			
	Do	do	Lake View South Battery	...	...	...	...	...	...	...	...	5,183·25	4,574·89	...			
	Do	do	Leviathan Filter Press and Cyanide Works	...	...	...	...	...	...	...	...	60·25	1,197·26	...			
	Do	do	Mt. Charlotte Battery	...	...	...	17·00	18·16	...	...	...	89·50	73·62	...			
	Do	do	North Boulder Battery	...	...	...	...	...	...	...	...	747·00	400·30	...			
	Do	do	Wallaroo, South Australia	...	...	...	...	...	...	...	...	...	32·50	...			
	Notices of Purchase			...	...	...	1,331·00	1,130·05	...	...	...	4,216·81	3,074·19	...	95·25		
	Total			...	...	...	1,331·00	1,247·85	693,799·73	988,789·75	1·42	4,216·81	3,490·80	2,081,195·64	‡ 3,439,521·51	1·65	3 13 5

‡ Also 500 ozs. from unknown tons.

# Coolgardie Goldfield.

## COOLGARDIE DISTRICT.

MINING CENTRE.	NUMBER OF LEASE.	NAME OF LEASE.	REGISTERED NAME OF COMPANY.	Area in Acres.	TOTAL FOR 1901					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1901.
					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.	£ s. d.
Bonnievale	126, 3711		Bendigo and Coolgardie Proprietary Co., N.L.	33	...	...	713.00	466.34	.65	...	...	2,735.00	2,516.83	.92	3 14 6
Do	3869	Curiosity		12	...	...	96.00	39.46	.41	...	...	96.00	39.46	.41	
Do	3901	Enterprise		6	...	...	80.00	63.75	.79	...	...	80.00	63.75	.79	
Do	595, 1405, 1741	Gem leases		41 3 11	...	...	...	cy. 304.47	...	...	...	...	304.47	...	
Do	3805	Gentle Annie		24	...	...	108.50	247.15	2.27	...	...	152.50	368.90	2.42	
Do	1741	(Golden Drop)		...	...	...	...	...	...	...	...	283.50	269.20	.94	
Do	3895	Little Victoria		6	...	...	20.00	33.99	1.70	...	...	20.00	33.99	1.70	
Do	1610	Mt. Burgess Christmas Gift		18	...	...	205.00	187.20	.91	...	...	205.00	187.20	.91	3 13 0
Do	3923	Mt. Minyen		12	...	...	19.00	10.95	.57	...	...	19.00	10.95	.57	
Do	595, 1405, 1741		(New Victoria Consols G.M. Co., N.L.)	...	...	...	...	...	...	...	...	12,725.50	5,775.39	.45	
Do	1610		(North Burgess G.M. Co., Ltd.)	...	...	...	130.00	27.00	.21	...	...	1,037.00	708.40	.68	
Do	3829	Prince Llewellyn		Ftd.	...	...	68.00	19.85	.29	...	...	68.00	19.85	.29	
Do	1552		Vale of Coolgardie G.Ms., Ltd.	25	...	...	12,105.00	6,406.71	.53	...	...	39,932.00	26,997.39	.67	3 15 3
Do	144, 1151, 1639, 2146, 2266, 3572, 3575		Westralia and East Extension Mines, Ltd.	131	...	...	4,282.00	1,763.87	.41	...	...	44,505.65	27,219.93	.61	3 10 0
Do		Voided leases		...	...	...	...	...	...	...	...	13,252.70	12,793.51	...	
Do		Sundry claims		...	...	...	36.00	23.50	...	...	2.47	144.50	66.70	...	
Bulla Bulling	3838	Prince of Wales		12	...	...	33.00	24.00	.73	...	...	55.00	39.28	.71	
Do		Voided leases		...	...	...	...	...	...	...	...	261.50	262.48	...	
Do		Sundry claims		...	...	...	...	...	...	...	14.65	198.00	182.45	...	
Burbank	3931	Bell Bird		12	...	...	39.00	81.09	2.08	...	...	39.00	81.09	2.08	
Do	134/6, 1527, 2761		Burbanks Birthday Gift G.M. Ltd.	39	...	...	23,407.00	19,734.17	.84	...	...	76,360.00	94,332.44	1.23	3 12 9
Do	2210		Burbanks Consols, Ltd.	a. r. p. 23 1 19	...	...	...	...	...	...	...	18.00	14.45	.80	
Do	971, (1799, 2848)		Burbanks Grand Junction, Ltd.	12	...	...	271.00	152.30	.56	...	...	1,148.50	2,362.55	2.05	
Do	2985/6, 3444		Burbanks Main Lode, Ltd.	42	...	...	1,110.00	510.25	.46	...	...	1,580.00	857.07	.54	3 13 6
Do	1705		Burbanks North G.M., Ltd.	24	...	...	...	...	...	...	...	22.50	8.80	.39	
Do	1918	Glenloth South		10	...	...	...	...	...	...	...	372.00	515.20	1.38	
Do	2160	Lady Robinson		12	...	...	1,017.00	679.16	.66	...	...	1,308.40	872.14	.66	3 15 0
Do	3809, 3828	Lord Bobs leases		18	...	...	382.00	660.55	1.73	...	...	525.00	1,081.85	2.06	3 19 0
Do	3845	Lord Bobs No. 1 North		5	...	...	469.00	518.12	1.10	...	...	505.00	562.12	1.11	3 17 2
Do	3716	Treasure		V.N.P.	...	...	31.00	7.10	.23	...	...	136.00	64.65	.47	
Do		Voided leases		...	...	...	...	...	...	...	...	54.26	1,957.00	1,738.08	...
Do		Sundry claims		...	...	...	39.25	22.06	...	...	3.10	89.25	41.66	...	
			Carried forward	...	...	...	44,660.75	31,983.04	...	...	74.48	199,831.50	180,392.23	...	



TABLE IV.—Production of Gold from all sources, etc.—continued.

Coolgardie Goldfield—continued.

COOLGARDIE DISTRICT—continued.

MINING CENTRE.	NUMBER OF LEASE.	NAME OF LEASE.	REGISTERED NAME OF COMPANY.	Area in Acres.	TOTAL FOR 1901.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1901.
					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.	tons.	ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	£ s. d.
			Brought forward	...	...	...	44,660·75	31,983·04	...	...	74·48	199,831·50	180,392·23	...	
Coolgardie	3867	Australasian	...	15	...	...	20·00	19·80	·99	...	...	20·00	19·80	·99	
Do	3890 (3668)	Australasian Junction	...	12	...	...	42·00	16·15	·38	...	...	42·00	16·15	·38	
Do	22	...	Bayley's Consols G.M. Co., N.L.	18	...	...	218·00	666·50	3·05	...	...	4,678·00	3,385·91	·72	3 15 0
Do	3860	Bayley's North-West	...	Ftd.	...	...	10·00	1·30	·13	...	...	10·00	1·30	·13	
Do	471	Bayley's South Extended	...	a. r. p. 9 1 27	...	...	...	...	...	...	...	47·00	8·55	·18	
Do	133, 139, 142, 547	...	Bayley's United G.Ms., Ltd.	94 0 25	595·17	...	5,769·00	5,022·22	·87	647·88	...	66,351·47	103,924·49	1·56	3 16 7½
Do	3868 (3618)	Brilliant	...	6	...	...	123·00	268·00	2·18	...	...	123·00	268·00	2·18	3 18 0
Do	193, 1624	...	Briton's United G.M., Ltd.	24	...	...	...	...	...	...	...	69·00	46·42	·67	
Do	3918	Coolgardie Redemption	...	18	...	...	114·00	62·37	·54	...	...	114·00	62·37	·54	
Do	3874	Dundalk	...	6	...	...	62·50	38·45	·61	...	...	62·50	38·45	·61	
Do	1865	...	(Empress of Coolgardie G.M., 1896, Ltd.)	...	...	...	...	...	...	...	...	2,863·00	1,084·49	·37	
Do	3871	Family	...	5	...	...	25·00	32·80	1·31	...	...	25·00	32·80	1·31	
Do	1604/5, 2753, (3658, 3672)	...	Flagstaff Mines, Ltd.	a. r. p. 28 2 17	...	...	3,545·00	1,801·67	·51	...	...	9,535·50	4,799·12	·50	
Do	3590 (35)	Big Blow	Flagstaff Mines, Ltd.	24	...	...	2,827·00	1,208·75	·43	...	...	3,684·00	1,805·35	·49	
Do	284, 745	...	(Forrest King of Coolgardie, Ltd.)	...	...	...	...	...	...	...	...	857·50	582·03	·67	
Do	3827 (3617)	Garfield	...	12	...	...	83·00	159·47	1·92	...	...	83·00	159·47	1·92	
Do	717, 3790	...	Gleeson's Success G.Ms., Ltd.	24	...	...	246·00	149·95	·61	...	...	1,132·00	1,367·54	1·20	
Do	20, 188a	...	Golden Bar G.M. Co., N.L.	15	...	...	44·00	1,174·85	...	...	...	11,279·00	8,372·60	·74	3 7 5
Do	3866	Golden Cross	...	5	...	...	56·00	70·70	1·26	...	...	56·00	70·70	1·26	
Do	1559, 3792	...	Golden Queen G.M. Co., N.L.	17	...	...	215·00	210·65	·98	...	...	1,076·25	987·48	·91	3 14 1
Do	3893	Good Hope	...	6	...	...	22·00	8·60	·39	...	...	22·00	8·60	·39	
Do	400	Great Coolgardie	...	a. r. p. 11 3 16	...	...	205·00	4·10	·02	...	...	215·00	16·10	·07	
Do	3823 (3647)	Great Western	...	Abd.	...	...	12·00	3·80	·31	...	2·32	41·00	6·70	·16	
Do	Block 48	...	Hampton Plains Estate, Ltd.	...	...	...	29·00	9·60	·33	4,913·45	...	139·00	63·00	·45	
Do	Block 53	...	Hampton Plains Estate, Ltd.	...	...	...	...	...	...	...	...	67·00	128·55	1·91	
Do	Block 59	...	Hampton Plains Estate, Ltd.	...	...	...	159·00	87·45	·55	...	...	532·00	214·78	·40	
Do	3892	Herbert	...	12	...	...	46·50	10·55	·22	...	...	46·50	10·55	·22	
Do	3346	Herbert North	...	V.N.P.	...	...	50·00	16·68	·33	...	...	227·50	209·98	·92	
Do	3629	Herbert South	...	Ftd.	...	...	23·00	13·45	·58	...	...	54·00	36·72	·68	
Do	3888	Hit or Miss (late Bandsman's Pride)	...	12	...	...	47·00	12·73	·27	...	...	47·00	12·73	·27	
Do	3883	Homeward Bound	...	12	...	...	33·00	6·80	·20	...	...	33·00	6·80	·20	
Do	226, 3527	(Killarney and Kyjak)	...	...	...	...	...	...	...	...	...	157·00	61·15	·38	

Do	...	3530	...	...	Lanarkshire G.Ms. of Australia, Ltd.	a. r. p. 9 2 20	...	...	...	cy. 20.70	...	66.05	16.50	504.00	308.75	.61		
Do	...	3619 (3536)	...	King's Lynn	...	Ftd.	...	...	15.00	7.65	.51	...	...	77.00	41.65	.54		
Do	...	3836	...	King Solomon Central	...	V.N.P.	...	...	40.00	7.96	.20	...	...	40.00	7.96	.20		
Do	...	18, 82, 226, 376, 3527, 3598	...	...	King Solomon's G.Ms., Ltd.	a. r. p. 65 1 12	...	...	5,839.00	4,185.13	.71	...	...	20,648.75	15,037.67	.72	3 12 4	
Do	...	3864	...	Lady Agnes	...	Ftd.	...	...	17.00	6.20	.36	...	...	17.00	6.20	.36		
Do	{	666, 1384, (2216, 2357), 2419, (2826), 3549	}	...	Lady Charlotte G.Ms., Ltd.	a. r. p. 40 1 2	...	...	924.00	406.51	.44	...	...	9,511.00	5,921.25	.62	3 12 6	
Do	...	532	...	...	Lady Emily G.M. Co., Ltd.	12 1 0	...	...	...	...	...	...	...	40.00	22.15	.55		
Do	...	284, 336, 745, 1583, 3654	...	...	Lady Loch G.Ms., Ltd.	60	...	...	7,289.00	5,575.14	.76	...	...	23,265.00	21,970.60	.94		
Do	...	3556	...	Lily	...	6	...	...	...	...	...	...	...	342.75	242.63	.70		
Do	...	808, 2232	...	...	Lindsay's Consolidated Mines, Ltd.	Surr. 37.22	...	...	90.00	23.68	.26	37.22	...	7,654.50	4,785.17	.62	3 17 10½	
Do	...	3919	...	London Bridge	...	12	...	...	2.50	10.00	4.00	...	...	2.50	10.00	4.00		
Do	...	3607	...	Messenger	...	V.N.P.	...	...	47.00	18.45	.39	...	...	931.00	359.38	.38		
Do	...	1902	...	Morning Star	...	12	...	...	1,496.00	1,474.50	.98	...	...	2,246.00	2,582.20	1.15		
Do	...	3701	...	Morning Star South	...	12	...	...	...	...	...	...	...	250.00	35.00	.14		
Do	...	3882	...	Mystery	...	12	...	...	137.75	71.75	.52	...	...	137.75	71.75	.52		
Do	...	1093, 2292	...	...	New Australasian G.Ms., Ltd.	V.N.P.	...	...	...	con. 38.00	...	...	...	3,313.00	11,423.73	3.44		
Do	...	3319, 3624	...	...	New Central Investment Corporation, Ltd.	29	...	...	237.00	121.70	.51	...	...	465.00	261.40	.56	3 13 4	
Do	...	84, 1464, 2831	...	...	New Clyde G.Ms., Ltd.	a. r. p. 32 3 21	...	...	56.00	30.75	.55	45.35	...	5,722.00	1,391.14	.24	3 17 6	
Do	...	3697	...	Olive	...	12	...	...	43.00	7.75	.18	...	...	63.00	8.45	.13		
Do	...	3880 (1903)	...	Phoenix	...	12	...	...	283.00	172.21	.61	...	...	283.00	172.21	.61		
Do	...	(1111), 1865	...	...	Phoenix G.Ms., Ltd.	18	...	...	110.00	501.75	4.56	...	...	2,719.50	2,128.17	.78	3 10 6	65
Do	...	(1019), 3609, 3573, 3639	...	...	Richmond Consolidated Mining Co., Ltd.	a. r. p. 23 1 39	...	...	224.00	398.23	1.77	...	...	989.12	1,189.39	1.20	3 14 10	
Do	...	130, 215	...	...	Ritanita Co., Ltd.	18	...	...	198.00	100.95	.51	...	...	402.00	217.30	.54		
Do	...	226	...	...	(Rosehill United G.M. Co. Ltd.)	...	...	...	...	...	...	...	...	364.00	185.09	.50		
Do	...	1839	...	Royal Tar	...	12	...	...	13.00	4.35	.33	...	...	259.75	101.59	.39		
Do	...	3909	...	Saint George	...	12	...	...	46.00	14.27	.31	...	...	46.00	14.27	.31		
Do	...	3537	...	Shamrock	...	12	2.50	2.00	24.00	1.50	.06	2.50	6.80	148.00	19.97	.13		
Do	...	3415/6	...	...	Sherlaw's G.M. Co., Ltd.	40	...	...	3,110.00	1,471.63	.47	...	...	13,094.00	7,152.78	.54	3 5 0	
Do	...	73	...	Star of the South	...	a. r. p. 9 3 24	...	...	185.00	150.70	.81	...	...	975.00	846.44	.86		
Do	...	33, 3824, 3830	...	...	Tindall's Coolgardie G.M. Co., N.L.	30	...	...	11,925.00	2,000.90	.16	...	...	30,581.00	6,724.53	.22	3 18 0	
Do	...	3936	...	Tulip's Bayley's No. 1 South	...	12	...	...	12.50	177.35	...	...	...	12.50	177.35	...		
Do	...	1385	...	...	Union Jack G.M. Co., N.L.	12	...	...	...	...	...	...	...	644.50	694.52	1.07		
Do	...	...	...	Voided leases	...	...	...	...	...	...	...	23.41	26.32	13,466.00	8,745.97	...		
Do	...	...	...	Sundry claims	...	...	...	76.16	773.00	418.20	...	...	131.16	1,710.95	871.29	...		
Gibraltar	...	1854	...	De Beers	...	24	...	...	...	...	...	...	...	78.00	34.55	.44		
Do	...	...	...	Voided leases	...	...	...	...	...	...	...	...	...	10.00	3.05	...		
Do	...	...	...	Sundry claims	...	...	...	...	...	...	...	...	...	12.00	9.23	...		
Gnarlbine	...	3694 (3578)	...	Great Gnarlbine	...	12	...	...	12.00	10.21	.85	...	12.50	118.25	533.06	4.50		
Do	...	...	...	Voided leases	...	...	...	...	...	...	...	...	...	61.00	89.50	...		
Do	...	...	...	Sundry claims	...	...	...	...	...	...	...	...	1.50	16.00	11.35	...		
Londonderry	...	3834 (3460)	...	Cheapside	...	18	...	...	162.00	160.45	.99	...	...	205.00	180.44	.88		
Do	...	1889, 3490	...	Grosmont and Eclipse	...	30	...	...	41.00	33.65	.82	...	...	336.00	170.57	.51		
Carried forward						...	634.89	78.16	92,038.50	60,682.65	...	5,735.86	271.58	445,287.54	402,960.61	...		

TABLE IV.—Production of Gold from all sources, etc.—continued.

Coolgardie Goldfield—continued.

COOLGARDIE DISTRICT—continued.

MINING CENTRE.	NUMBER OF LEASE.	NAME OF LEASE.	REGISTERED NAME OF COMPANY.	Area in Acres.	TOTAL FOR 1901.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1901.
					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.	£ s. d.
			Brought forward ...	...	634·89	78·16	92,038·50	60,682·65	...	5,735·86	271·58	445,287·54	402,960·61	...	
Londonderry ...	575, 809, 1076	...	Londonderry G.M. Ltd. ...	a. r. p. 56 0 29	...	...	17·00	76·90	4·52	...	...	11,250·00	11,868·96	1·05	2 11 3½
Do ...	1383	...	Sam's Wealth of Nations Gold and Exploration, Ltd.	12	...	...	...	...	...	...	...	73·00	20·00	·27	
Do ...	...	Voided leases ...	...	...	...	...	...	...	...	...	33·50	1,170·16	822·11	...	
Do ...	...	Sundry claims ...	...	...	...	...	112·00	71·97	...	...	...	289·85	251·02	...	
Mungari ...	3837	Lucy's Luck ...	...	24	...	...	47·50	37·07	·78	...	...	52·50	39·57	·75	
Do ...	3861	Mt. Irene ...	...	12	...	...	14·00	10·45	·74	...	...	14·00	10·45	·74	
Red Hill ...	3408	Boomer ...	...	12	...	...	...	...	...	...	...	45·00	145·65	3·23	
Do ...	3404, 3417, 3426	...	Red Hill (W.A.) Gold Syndicate, Ltd.	a. r. p. 45 1 13	...	394·58	1,725·00	3,589·35	2·08	...	1,558·08	4,352·00	7,601·93	1·74	3 18 8
Do ...	...	Voided leases ...	...	...	...	...	...	...	...	...	3·40	963·25	441·69	...	
Do ...	...	Sundry claims ...	...	...	...	...	...	...	...	...	·57	110·00	7·23	...	
Widgiemooltha ...	3696 (3542)	Bobby Dazzler ...	...	12	...	243·40	80·00	141·13	1·76	...	258·90	100·00	150·03	1·50	
Do ...	3548	Flinders ...	...	12	...	...	63·00	70·75	1·12	...	...	229·60	279·46	1·21	
Do ...	3903	Imperial ...	...	10	...	...	1,035·00	168·00	·16	...	...	1,035·00	168·00	·16	
Do ...	3904	Imperial North ...	...	24	...	...	125·00	6·75	·05	...	...	125·00	6·75	·05	
Do ...	3791	Lady of the Lake ...	...	Ftd.	...	...	20·00	2·00	·10	...	·20	40·00	11·00	·27	
Do ...	3844 (3762)	Mt. Pleasant ...	...	Ftd.	...	...	5·00	2·45	·49	...	...	5·00	2·45	·49	
Do ...	3648	Rising Sun ...	...	V.N.P.	...	...	28·00	7·90	·28	...	67·30	117·20	98·02	·83	
Do ...	3769	York Castle ...	...	V.N.P.	...	...	45·00	20·35	·45	...	3·70	195·00	88·00	·45	
Do ...	3906	Yorkshire Lass ...	...	8	...	...	34·00	55·85	1·64	...	...	34·00	55·85	1·64	
Do ...	...	Voided leases ...	...	...	...	...	...	...	...	...	54·83	1,733·50	539·02	...	
Do ...	...	Sundry claims	...	...	...	1·30	214·50	128·73	...	1·40	8·30	364·85	194·93	...	
<i>From District generally—</i>															
		Sundry parcels treated at Bayley's United Battery ...	...	...	...	...	27·00	3·00	...	...	...	27·00	3·00	...	
Do	do	Bendigo and Coolgardie Proprietary Battery ...	...	...	...	...	41·00	47·68	...	...	...	41·00	47·68	...	
Do	do	Big Blow Battery ...	...	...	...	...	364·00	281·75	...	...	...	364·00	281·75	...	
Do	do	Burbanks Main Lode Battery ...	...	...	...	...	42·00	44·18	...	...	...	42·00	44·18	...	
Do	do	Coolgardie Ore Reduction and Cyanide Works ...	...	...	...	...	...	...	...	...	...	...	2,592·66	...	
Do	do	Golden Bar Battery ...	...	...	...	...	198·25	119·42	...	...	...	198·25	119·42	...	
Do	do	Government Public Battery, Widgiemooltha ...	...	...	...	...	102·00	38·40	...	...	...	102·00	38·40	...	
Do	do	Kalgoorlie Gold Recovery Works ...	...	...	...	...	...	...	...	...	...	...	1,070·10	...	
Do	do	King's Cross Cyanide Works ...	...	...	...	...	...	...	...	...	...	...	69·40	...	
Do	do	Lindsay's Consolidated Battery ...	...	...	...	...	134·50	132·70	...	...	...	134·50	132·70	...	
Do	do	Mt. Burgess Cyanide Works ...	...	...	...	...	...	...	...	...	...	...	4,308·82	...	
Alluvial ...	...	...	...	...	...	594·16	170·14	...	...	521·21	191·59	...	...	...	
Notices of Purchase	...	...	...	...	...	...	...	...	...	2,884·16	...	...	...	...	
Total					1,229·05	887·58	96,512·25	66,867·43	·69	9,142·63	2,475·21	468,495·20	434,470·84	·93	3 13 7½

KUNANALLING DISTRICT.

						ozs.	ozs.	tons.	ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	£	s.	d.	
Balgarri	500s (428s)	Gulnare	V.N.P.	...	...	...	...	100.00	54.55	.54	...	...	316.20	203.67	.64				
Do	605s	Loddon Vale	12	...	52.00	...	...	9.00	84.00	9.33	...	52.00	9.00	84.00	9.33				
Do	596s	Lord Hopetoun	V.N.P.	...	...	...	...	39.00	28.22	.72	...	...	39.00	28.22	.72	3	15	0	
Do	583s	United Australia	Ftd.	...	...	...	...	8.00	3.35	.42	...	...	28.00	6.40	.23				
Do	622s (583s)	United Australia	6	...	...	...	...	30.00	12.31	.41	...	...	30.00	12.31	.41				
Do	520s	Wanderer North	V.N.P.	...	...	...	...	42.00	23.10	.55	...	...	292.00	221.35	.75				
Do	565s (383s)	Zuleika	12	...	...	...	...	132.00	1,129.45	8.55	...	...	215.50	1,502.74	6.97	3	17	6	
Do	619s	Zuleika South	5	...	...	...	...	5.00	2.10	.42	...	...	5.00	2.10	.42				
Do	...	Voided leases	...	...	...	...	...	...	...	...	...	9.85	1,873.95	1,535.64	...				
Do	...	Sundry claims	...	...	...	...	...	492.00	117.72	...	...	20.38	710.25	280.74	...				
Do	...	Voided leases	...	...	...	...	...	...	...	...	...	...	185.00	30.00	...				
Barker's Find	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
Carbine	33s	Carbine	a. r. p.	22	1	10	...	...	...	...	...	11.90	133.00	137.40	1.03				
Do	591s	Globe	5	...	...	...	...	65.00	272.05	4.18	...	...	65.00	272.05	4.18	4	0	11½	
Do	73s	...	12	Nordenfeldt G.M. Co., N.L.	...	...	...	56.50	53.30	.94	...	...	744.00	873.51	1.17				
Do	...	Voided leases	...	...	...	...	...	...	...	...	...	...	417.00	678.61	...				
Carnage	453s	Aurora	6	...	...	...	...	119.00	98.40	.82	...	25.33	219.50	522.52	2.38	3	18	6	
Do	43s	Carnage South	24	...	...	...	...	114.00	69.55	.61	...	731.10	163.00	283.85	1.74				
Do	548s	Cobalt	12	...	...	...	...	193.00	194.76	1.01	...	...	327.50	351.19	1.07	3	17	9	
Do	574s	General French	V.N.P.	22.00	...	...	...	...	...	...	195.00	...	...	...	...				
Do	2s, (349s)	...	20	Glenrock Consolidated, Ltd.	...	...	...	71.00	30.50	.43	...	...	1,079.50	566.80	.52				
Do	2s	(Perry's Reef)	...	...	...	...	...	...	...	...	...	...	171.50	249.00	1.45				
Cashman's	(7s), 119s, (181s)	...	15	Bunyip G.Ms., Ltd.	...	...	...	...	...	...	...	...	2,369.50	2,524.68	1.06				
Do	607s	Denver City	12	...	288.00	...	...	...	...	...	...	288.00	...	...	...				
Do	3s	...	...	(Lady Evelyn G.Ms., Ltd.)	...	...	...	...	...	...	...	...	2,511.40	2,248.32	.89				
Do	3s	Lady Eveline	24	...	...	...	...	259.00	276.45	1.06	...	...	259.00	276.45	1.06				
Do	615s (317s)	Ora Banda	18	...	...	...	...	15.00	4.25	.28	...	...	15.00	4.25	.28				
Do	456s (115s, 355s)	Virgin	12	8.60	58.87	...	...	4.00	9.13	.28	40.82	66.75	21.00	138.46	6.59				
Do	...	Voided leases	...	...	...	...	...	...	...	...	...	219.03	1,029.50	1,403.73	...				
Do	...	Sundry claims	...	...	...	...	...	...	...	...	...	6.75	116.00	74.44	...				
Dunnsville	592s	Bellmont	12	...	...	...	...	98.00	108.57	1.10	...	...	98.00	108.57	1.10	3	12	11½	
Do	617s	Bulletin	6	...	59.81	...	...	...	...	...	...	59.81	...	...	...				
Do	530s	Jourdie	12	...	...	...	...	...	...	...	...	...	82.00	55.29	.67				
Do	582s	Jourdie Hills, Boulder	12	...	...	...	...	...	...	...	...	...	48.00	22.89	.47				
Do	514s	Pride of Jaudie North	12	...	...	...	...	...	...	...	...	...	108.50	100.85	.92				
Do	369s	Pride of the Jourdies	12	...	...	...	...	110.66	139.17	1.25	...	...	410.74	530.41	1.29				
Do	17s, 82/3s	...	36	Wealth of Nations, Ltd.	...	...	...	...	23.10	...	...	...	13,545.00	6,532.94	.48				
Do	...	Voided leases	...	...	...	...	...	...	...	...	...	137.57	506.50	382.97	...				
Do	...	Sundry claims	...	...	...	...	...	...	...	...	...	...	29.00	22.80	...				
Kintore	595s (123s)	Castle Hill	5	...	...	...	...	25.25	10.21	.40	...	...	50.25	14.96	.29				
Do	64/5s	...	a. r. p.	31	2	33	...	36.00	211.25	34.85	.16	...	36.00	2,519.60	1,865.82	.74			
Do	612s (445s)	Daisy Bell	Ftd.	...	...	...	...	11.00	14.30	1.30	...	...	11.00	14.30	1.30				
Do	77s, 93s, 99s, 100s, 105s, (135s, 137s), 138s, (139s)	...	a. r. p.	104	2	0	...	...	5,494.00	1,020.12	.18	...	...	14,420.00	3,065.39	.21	3	16	0
Do	93s, 99s, 135s, 137/9s	...	...	(Great Dyke and Orizaba Cement Claims, Ltd.)	...	...	...	...	...	...	...	...	3,537.00	1,156.48	.32				
Do	61/2s	...	...	(Hands Across the Sea G.M. Co., Ltd.)	...	...	...	410.25	229.90	.56	...	...	2,963.25	2,288.64	.77	3	16	6	
Do	61/2s	Hands Across the Sea leases	a. r. p.	21	2	36	...	...	185.00	217.26	1.17	...	...	185.00	217.26	1.17	3	16	6
		Carried forward	...	...	...	...	30.60	494.68	8,298.91	4,260.67	...	235.82	1,664.47	51,859.14	30,891.66	...			

TABLE IV.—Production of Gold from all sources, etc.—continued.

Coolgardie Goldfield—continued.

KUNANALLING DISTRICT—continued.

MINING CENTRE.	NUMBER OF LEASE.	NAME OF LEASE.	REGISTERED NAME OF COMPANY.	Area in Acres.	TOTAL FOR 1901.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1901.
					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.	£ s. d.
			Brought forward ...	...	30·60	494·68	8,298·91	4,260·67	...	235·82	1,664·47	51,859·14	30,891·66	...	
Kintore	516s ...	Last Chance ...	...	V.N.P.	...	...	40·00	102·98	2·57	...	...	56·00	146·98	2·62	3 15 0
Do	77s ...	(Ormuz) ...	...	...	...	...	...	...	...	...	...	4,519·75	4,931·08	1·09	
Do	603s (472s) ...	Sydney Mint ...	...	12	...	4·00	195·75	99·00	·50	...	4·00	195·75	99·00	·50	
Do	114s, 132s, 161s, 409s ...	...	Sugar Loaf, 25-Mile Cement Leases, Ltd.	a. r. p. 55 1 2	...	...	65·00	89·00	1·37	...	...	452·50	1,273·60	2·81	3 14 8
Do	576s ...	Tom's Retreat ...	...	11 3 26	...	...	...	...	...	...	...	32·00	38·90	1·21	
Do	632s ...	Truth ...	...	10	...	...	37·00	26·11	·70	...	...	37·00	26·11	·70	
Do	100s, 105s ...	...	(W.A. Proprietary Cement Leases, Ltd.)	...	...	...	...	...	...	...	32·74	4,575·75	7,938·00	1·73	
Do	...	Voided leases ...	...	...	...	...	...	...	...	...	97·58	4,240·21	5,334·75	...	
Do	...	Sundry claims	...	...	...	...	27·00	71·70	...	...	...	65·50	113·94	...	
Siberia	529s (464s) ...	Admiral Dewey ...	...	V.N.P.	...	4·00	...	...	...	...	4·00	...	...	...	
Do	633s ...	Ardfinaig ...	...	10	...	...	30·00	15·80	·52	...	...	30·00	15·80	·52	
Do	611s ...	Chicago ...	...	12	...	...	20·00	8·00	·40	...	...	20·00	8·00	·40	
Do	479s (34s) ...	Fair Adelaide ...	...	12	...	...	126·00	115·00	·91	...	...	126·00	115·00	·91	
Do	643s ...	Horseshoe ...	...	18	...	79·50	...	...	...	...	79·50	...	...	...	
Do	519s ...	Invincible ...	...	12	...	...	32·00	153·30	4·79	...	203·74	32·00	153·30	4·79	
Do	538s ...	Merrivew King ...	...	12	...	...	47·00	238·66	5·07	...	...	140·00	455·66	3·25	4 0 3½
Do	106s ...	Mexico ...	...	13	...	...	445·00	404·60	·90	...	...	2,919·50	5,264·89	1·80	3 16 8
Do	151s ...	Mexico Extended ...	...	V.N.P.	...	...	106·00	58·00	·54	...	...	172·00	95·90	·55	
Do	628s ...	Mystery ...	...	12	...	...	30·00	19·00	·63	...	...	30·00	19·00	·63	
Do	299s ...	Pole ...	...	12	...	...	150·00	295·60	1·97	...	...	1,100·00	1,281·72	1·16	3 16 3
Do	570s ...	Stanmore ...	...	V.N.P.	...	...	2·00	1·90	·95	1·17	43·45	4·00	6·40	1·60	
Do	614s ...	Victory ...	...	12	...	...	5·00	4·30	·86	...	...	5·00	4·30	·86	
Do	124s ...	Waverley ...	...	9	...	255·00	270·00	284·25	1·05	...	355·00	801·80	1,054·48	1·31	
Do	...	Voided leases ...	...	...	...	...	...	...	...	...	99·15	259·65	654·56	...	
Do	...	Sundry claims	...	...	...	...	26·00	14·50	...	33·90	...	74·00	59·96	...	
25-Mile	646/9s (28s, 71s, 162s) ...	...	Amalgamated G.Ms., Ltd.	42	...	...	230·00	397·25	1·72	...	...	230·00	397·25	1·72	
Do	28s, 71s, 162s ...	...	Blackett's G.Ms., Ltd.	Ftd.	...	...	2,717·00	2,069·01	·76	...	...	4,461·25	3,197·84	·71	3 10 0
Do	458s (248s) ...	Broncho ...	...	12	...	...	92·00	76·45	·83	...	...	469·00	430·03	·91	3 15 3½
Do	497s ...	Broncho South ...	...	18	...	...	...	...	...	...	...	154·00	175·38	1·13	
Do	498s ...	Broncho North ...	...	12	...	...	...	...	...	...	...	20·00	14·64	·73	
Do	(511/3s), 522s ...	...	Catherwood G.Ms. (1898) Ltd.	3	...	...	...	...	...	...	...	38·00	13·00	·34	
Do	111s ...	(Emu) ...	...	...	...	...	...	...	...	...	...	143·00	179·92	1·25	
Do	609s ...	Forlorn Hope ...	...	V.N.P.	...	...	52·00	25·25	·48	...	...	52·00	25·25	·48	
Do	626s ...	General Buller ...	...	6	...	...	33·00	13·90	·42	...	...	33·00	13·90	·42	
Do	(526s), 568s ...	...	Golden Fremantle Co., N.L.	18	...	...	214·00	101·00	·47	...	...	234·00	107·50	·46	
Do	539s (6s) ...	Lone Hand ...	Premier South G.M. Co., N.L.	5	...	...	225·00	240·27	1·06	...	...	337·00	364·85	1·08	
Do	625s (1s) ...	Nil Desperandum ...	...	12	...	...	117·00	83·10	·71	...	...	117·00	83·10	·71	
Do	243s ...	Pearce's Find ...	...	12	...	...	...	...	...	...	...	33·00	71·87	2·17	

Do	1s	...	Phoenix G.Ms., Ltd.	Ftd.	98'50	113'67	1'15	...	635'50	392'12	'61			
Do	70s, 79s, 111s, 278s, 436s	...	Premier G.M. Co., N.L.	a. r. p. 83 3 33	10,710'00	4,888'81	'45	...	54,132'00	39,515'07	'73	3 5 0		
Do	74s	(Premier South)	...	...	...	...	...	...	69'00	126'10	1'82			
Do	74s	...	Premier South G.M. Co., N.L.	9	12'00	5'80	'48	...	925'00	416'93	'45	3 15 0		
Do	586s	Shamrock	...	12	274'00	285'00	1'04	...	334'00	362'00	1'08			
Do	563s	Vincent	...	V.N.P.	20'00	11'00	'55	...	20'00	11'00	'55			
Do	616s	Waratah	...	6	55'00	59'15	1'07	...	55'00	59'15	1'07			
Do	...	Voided leases	...	...	...	...	...	16'03	1,789'45	1,710'41	...			
Do	...	Sundry claims	...	...	121'00	114'40	...	94'30	221'35	215'66	...			
<i>From District generally—</i>														
Sundry parcels treated at Glenrock Consolidated Battery					21'50	21'80	...	...	21'50	21'80	...			
Do	do	Great Cement Proprietary Battery	...	...	44'00	25'00	...	...	44'00	25'00	...			
Do	do	Hands Across the Sea Battery	...	...	28'00	15'56	...	...	28'00	15'56	...			
Do	do	Pole Battery	...	...	59'00	38'15	...	...	59'00	38'15	...			
Do	do	Premier Battery	...	...	...	...	...	...	7'00	9'76	...			
Do	do	Stanley Battery	...	...	88'00	40'25	...	...	88'00	40'25	...			
Total					30'60	852'18	25,163'66	14,887'19	'59	270'89	2,693'96	136,497'60	108,016'48	'79 3 10 74

### Yilgarn Goldfield.

MINING CENTRE.	NUMBER OF LEASE.	NAME OF LEASE.	REGISTERED NAME OF COMPANY.	Area in Acres	TOTAL FOR 1901					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1901.
					Alluvial.	Dolled and Specimens	Ore treated.	Gold therefrom	Average per ton treated.	Alluvial.	Dolled and Specimens	Ore treated.	Gold therefrom.	Average per ton treated.	
Blackbourne	...	Voided leases	...	...	ozs.	ozs.	tons.	ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	£ s. d.
Golden Valley	...	Voided leases	...	...	...	...	...	...	...	...	...	84'00	52'52	...	
Greenmount	511 (492)	Transvaal	...	Wdn.	...	...	510'00	176'60	'34	...	...	130'00	271'85	...	
Do	516 (511)	Transvaal	...	24	...	...	310'00	74'25	'24	...	...	510'00	176'60	'34	3 8 6
Do	503	United Australia	...	18	...	...	350'00	97'20	'27	...	...	310'00	74'25	'24	
Do	...	Voided leases	...	...	...	...	...	...	...	...	...	350'00	97'20	'27	
Hope's Hill	19, 52, 288, 360, 480	...	Hope's Hill G.M. Co., Ltd.	75	...	...	...	{ cy. 2,280'75 pl. 28'00 }	...	...	...	257'00	82'33	...	
Do	...	Voided leases	...	...	...	...	...	...	...	...	...	46,564'00	16,840'66	'36	
Do	...	Sundry claims	...	...	...	...	...	...	...	...	...	60'00	8'15	...	
Jaccolletti	490, 517	Turnbull's leases	...	10	...	...	130'00	160'65	1'23	...	...	23'00	5'00	...	
Mt. Jackson	246, 450/1, 459, 460, 494	...	Associated Mt. Jackson G.Ms. (W.A.), Ltd.	a. r. p. 114 3 0	...	...	...	...	...	...	...	300'00	317'20	1'06	
Do	212, 217, 233, 397, 462	...	Mt. Jackson G.Ms., Ltd. (1897)	55 2 30	...	...	...	pl. 12'33	...	...	...	76'00	84'90	1'11	
Mt. Rankin	...	Voided leases	...	...	...	...	...	...	...	...	...	56'00	26'65	...	
Carried forward					...	...	1,300'00	2,829'78	...	...	...	58,257'00	25,484'05	...	

TABLE IV.—Production of Gold from all sources, etc.—continued.

Yilgarn Goldfield—continued.

MINING CENTRE.	NUMBER OF LEASE.	NAME OF LEASE.	REGISTERED NAME OF COMPANY.	Area in Acres.	TOTAL FOR 1901.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1901.
					Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Average per ton treated.	
			Brought forward ...		ozs.	ozs.	tons.	ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	£ s. d.
Parker's Range ...	508 (485)	Australia ...	...	18	...	...	1,300·00	2,829·78	...	...	...	58,257·00	25,484·05	...	
Do ...	515	Blue Hill ...	...	6	...	23·18	38·00	16·15	·42	...	...	38·00	16·15	·42	
Do ...	491	Enterprise ...	...	5	...	...	80·00	421·20	5·26	...	23·18	80·00	421·20	5·26	
Do ...	485	Queensland United	...	Ftd.	...	...	200·00	52·20	·26	...	...	750·00	179·00	·24	
Do ...	...	Voided leases ...	...	...	...	...	...	cy. 328·42	...	...	...	158·00	665·33	4·21	
Southern Cross ...	279	Central ...	...	24	...	...	403·00	1,494·50	3·70	...	...	278·00	171·45	...	
Do ...	456	...	Day Dawn G.M. Co., N.L.	20	...	...	...	...	...	...	...	44,958·00	27,148·81	·60	
Do ...	13	...	(Fraser's G.M. Co., N.L.)	...	...	...	1,623·00	1,880·50	1·16	...	...	72·50	9·99	·13	
Do ...	29	...	(Fraser's South G.M. Co., N.L.)	...	...	...	...	...	...	...	...	151,771·00	78,659·19	·51	
Do ...	256, 496	...	Fraser's South Extended G.M. Co., Ltd.	34	...	...	...	cy. 368·80 con. 38·65 ¶ 124·70	...	...	...	48,233·00	26,157·67	·54	
Do ...	470	Great Southern ...	...	18	...	...	145·00	139·85	·96	...	...	10,260·18	8,782·65	·85	2 12 3
Do ...	501	Homeward Bound ...	...	12	...	...	349·00	135·40	·38	...	...	380·00	375·44	·99	
Do ...	13, 29, 505/6, 509	...	Mines Development Syndicate, Ltd.	122	...	...	22,136·00	17,870·33	·80	...	...	758·85	256·92	·34	
Do ...	475	Perseverance ...	...	V.N.P.	...	...	...	cy. 510·00	...	...	...	22,136·00	17,870·33	·80	3 10 7½
Do ...	...	Voided leases ...	...	...	...	...	...	...	...	...	...	14,623·35	6,492·79	...	
Do ...	...	Sundry claims ...	...	...	...	...	255·00	61·75	...	...	738·18	295·75	89·70	...	
<i>From Goldfield generally—</i>															
Sundry parcels treated at Clarke's Battery, Parker's Range ...					...	...	...	cy. 292·00	...	...	...	...	292·00	...	
Do do Small Horse Battery, Parker's Range ...					...	...	...	...	...	...	...	6·00	7·00	...	
Total ...					...	23·18	26,529·00	26,564·23	1·00	...	761·36	353,055·63	194,390·07	·55	3 10 0½

Dundas Goldfield.

MINING CENTRE.	NUMBER OF LEASE.	NAME OF LEASE.	REGISTERED NAME OF COMPANY.	Area in Acres.	TOTAL FOR 1901.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1901.
					Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Average per ton treated.	
Buldanian ...	779 (499, 536)...	Buldanian Bell ...	...	18	ozs.	ozs.	tons.	ozs.	ozs.	ozs.	ozs.	tons.	ozs.	ozs.	£ s. d.
Do ...	...	Voided leases ...	...	...	...	...	9·00	23·30	2·59	...	...	28·00	40·30	1·44	
Do ...	...	Sundry claims ...	...	...	...	...	43·00	53·98	...	...	...	400·05	480·25	...	
					...	...	...	...	...	...	...	88·00	90·93	...	



Dundas	828	Comet	Wdn.	24.00	24.00	1.00	24.00	24.00	1.00	24.00	24.00	1.00											
Do	...	Voided leases	...	...	...	...	4,377.73	2,563.22	...	...	...	...	...	...	...	...	...	...					
Do	...	Sundry claims	...	...	...	...	7.00	7.48	...	...	...	...	...	...	...	...	...	...					
Killaloe	...	Voided leases	...	...	...	...	20.65	7.75	...	...	...	...	...	...	...	...	...	...					
Norseman	583	Albemarle	12	...	...	...	370.00	841.30	2.27	...	...	...	...	...	...	...	...	...					
Do	770	Alkazander	24	...	...	...	716.00	344.19	.48	3 17	9	...	...	...	...	...	...	...					
Do	39, 97	(All Nations G.Ms., Ltd.)	...	...	...	...	200.00	67.60	.33	...	...	...	...	...	...	...	...	...					
Do	837	Bandit King	10	...	...	...	91.00	83.53	.92	...	...	...	...	...	...	...	...	...					
Do	829	Bonanza	12	...	...	...	67.00	28.56	.42	...	...	...	...	...	...	...	...	...					
Do	571	Break o' Day	24	...	...	...	860.00	1,073.18	1.24	...	...	...	...	...	...	...	...	...					
Do	618	Break o' Day Central	12	...	...	...	...	5.00	5.86	1.17	...	...	...	...	...	...	...	...					
Do	846	Bulletin	12	...	...	...	7.00	2.55	.36	...	...	...	...	...	...	...	...	...					
Do	830	Come Again	5	...	...	...	36.00	63.48	1.76	...	...	...	...	...	...	...	...	...					
Do	579, 690, 700	Cumberland G.M. Co., N.L.	60	...	...	...	1,004.00	1,053.15	1.04	...	...	...	...	...	...	...	...	...					
Do	802 (746)	Federation	12	...	...	...	93.00	122.49	1.32	...	...	...	...	...	...	...	...	...					
Do	844	Horseshoe	12	...	...	...	16.00	10.28	.64	...	...	...	...	...	...	...	...	...					
Do	827	Ironsides	Surr.	...	...	...	66.50	121.05	1.82	...	...	...	...	...	...	...	...	...					
Do	53	(John Bull)	...	...	...	...	...	314.00	315.15	1.00	...	...	...	...	...	...	...	...					
Do	52, 71, 614	Kirkpatrick's Consolidated G.M. Co., N.L.	30	...	...	...	144.50	115.53	.79	...	...	...	...	...	...	...	...	...					
Do	49, 99, 635/6	Lady Mary leases	54	...	...	...	347.00	2,548.27	7.34	...	...	...	...	...	...	...	...	...					
Do	762	Lady Mary Extended	12	...	...	...	55.00	18.60	.33	...	...	...	...	...	...	...	...	...					
Do	(738), 739	Lady Mary South G.M. Co., N.L.	12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...					
Do	757, 800	Lady Jean leases	18	...	...	...	381.00	508.54	1.33	...	6.00	...	...	...	...	...	...	...					
Do	695	Lily	V.N.P.	...	...	...	87.00	45.53	.52	...	...	...	...	...	...	...	...	...					
Do	842	Little Pearle	6	...	...	...	11.00	5.60	.51	...	...	...	...	...	...	...	...	...					
Do	819	Lord Hopetoun	V.N.P	...	...	...	74.00	42.59	.57	...	...	...	...	...	...	...	...	...					
Do	839 (819)	Lord Hopetoun	5	...	...	...	63.00	35.77	.56	...	...	...	...	...	...	...	...	...					
Do	817	Mafeking	Surr.	...	...	...	13.00	4.60	.35	...	...	...	...	...	...	...	...	...					
Do	704	Mararoa	24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...					
Do	53	Midas G.M. Co., N.L.	14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...					
Do	42/3, 681	Mt. Benson G.M. Co., N.L.	a. r. p.	...	...	...	132.00	252.80	...	...	...	...	...	...	...	...	...	...					
Do	16, (482, 685)	(No. 1 North Norseman G.M. Co., N.L.)	23 1 8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...					
Do	18/9, 20/2, 24/6, 48, 94, (101, 115), 116, 138, (235/6, 239), 611	Norseman G.Ms., Ltd.	a. r. p.	121 1 8	...	...	11,424.00	7,366.50	.64	...	...	...	...	...	...	...	...	...					
Do	16	Norseman No. 1 North	12	...	...	...	489.00	438.39	.89	...	...	...	...	...	...	...	...	...					
Do	731	Norseman South Bonanza	Ftd.	...	...	...	50.00	14.23	.28	...	100.00	...	...	...	...	...	...	...					
Do	821	Northern Star	12	...	...	...	149.00	105.87	.71	...	...	...	...	...	...	...	...	...					
Do	847	Ophir	5	...	...	...	8.00	10.45	1.30	...	...	...	...	...	...	...	...	...					
Do	845	Primrose	5	...	...	...	4.00	2.45	.61	...	...	...	...	...	...	...	...	...					
Do	106, 187, 587	Princess Royal G.M. Co., N.L.	a. r. p.	51 3 12	...	...	18,233.00	17,417.70	.95	...	...	...	...	...	...	...	...	...					
Do	634, 653	Princess Royal North G.M. Co., N.L.	24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...					
Do	187	(Princess Royal South)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...					
Do	806	Royal Prince North	12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...					
Do	826 (785)	Sovereign	5	...	...	...	102.00	99.20	.97	...	...	...	...	...	...	...	...	...					
Do	835	Star	12	...	...	...	15.00	3.23	.21	...	...	...	...	...	...	...	...	...					
Do	83, (89, 147)	Three Colonies	24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...					
Do	812 (114)	Union Jack	6	...	...	...	276.00	312.17	1.13	...	...	...	...	...	...	...	...	...					
Carried forward													...	5.25	87.00	34,588.00	33,334.26	...	5.25	193.00	171,363.93	158,425.02	...

TABLE IV.—Production of Gold from all sources, etc.—continued.

Dundas Goldfield—continued.

MINING CENTRE.	NUMBER OF LEASE.	NAME OF LEASE.	REGISTERED NAME OF COMPANY.	Area in Acres	TOTAL FOR 1901					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1901.
					Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Average per ton treated.	
			Brought forward ...	...	ozs. 5·25	ozs. 87·00	tons. 34,588·00	ozs. 33,334·26	ozs. ...	ozs. 5·25	ozs. 193·00	tons. 171,363·93	ozs. 158,425·02	ozs. ...	£ s. d.
Norseman	127	United Miners	...	V.N.P.	...	...	12·00	1·90	·15	...	...	12·50	2·25	·18	
Do	22, 24, (239)	...	(United Scotchman G.M. Co. N.L.)	...	...	...	...	...	...	...	...	3,322·00	3,134·70	·94	
Do	838	Vale	...	5	...	...	22·00	64·08	2·91	...	...	22·00	64·08	2·91	
Do	831	Valkyrie	...	5	...	...	52·00	80·27	1·54	...	...	52·00	80·27	1·54	3 12 0
Do	778	Viking South	...	Ftd.	...	...	38·00	6·90	·18	...	...	543·00	426·75	·78	
Do	822 (789)	Wheel	...	5	...	...	61·00	70·10	1·14	...	...	66·00	87·98	3·57	3 16 9½
Do	823	Wheel North	...	5	...	...	5·00	1·37	·27	...	...	5·00	1·37	·27	
Do	...	Voided leases	...	...	...	...	...	...	...	...	126·65	13,973·60	11,454·44	...	
Do	...	Sundry claims...	...	...	618·57	2·10	780·00	415·81	...	784·70	34·21	1,643·60	950·04	...	
Peninsula	96, 129	...	Central Wealth Consolidated Goldfields, Ltd.	a. r. p. 37 3 4	...	23·20	2,625·00	1,279·42	·48	...	23·20	5,964·00	3,932·68	·66	3 4 6
Do	143	Day Dawn North Extended	...	15 3 16	...	...	174·00	93·01	·53	...	...	181·00	101·81	·56	3 4 3
Do	543	Day Dawn No. 1 North Extended	...	V.N.P.	...	...	16·00	17·72	1·10	...	...	37·00	26·47	·71	
Do	...	Voided leases	...	...	...	...	...	...	...	...	...	73·00	6·00	...	
<i>From Goldfield generally—</i>															
		Sundry parcels treated at Breakell's Cyanide Works	...	...	...	67·75	...	cy. 379·00	...	...	67·75	...	379·00	...	
	Do	do Government Public Battery, Norseman	...	...	...	...	...	cy. 536·38	...	...	...	152·00	639·39	...	
	Do	do Norseman Crushing and Cyanide Works	...	...	...	...	...	...	...	...	...	152·50	1,342·53	...	
	Do	do Norseman G.Ms. Battery	...	...	...	...	...	...	...	...	...	35·00	10·63	...	
	Alluvial...	...	...	...	...	...	...	...	...	142·75	...	...	...	...	
Total					623·82	180·05	38,373·00	36,280·22	·94	932·70	444·81	197,598·13	181,065·41	·91	3 8 4½

Phillips River Goldfield.

MINING CENTRE.	NUMBER OF LEASE.	NAME OF LEASE.	REGISTERED NAME OF COMPANY.	Area in Acres	TOTAL FOR 1901					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1901.
					Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Average per ton treated.	
Harbour View	M.L. 52	Harbour View	...	50	ozs. ...	ozs. *369·42	tons. ...	ozs. ...	ozs. ...	ozs. ...	ozs. 403·42	tons. ...	ozs. ...	ozs. ...	£ s. d. 4 0 0
Mt. Desmond	M.L. 109	Mt. Desmond	...	52	...	*1·50	...	...	...	...	1·50	...	...	...	
Do	M.L. 108	Mt. Stennett	...	39	...	*4·00	...	...	...	...	4·00	...	...	...	

Ravensthorpe ...	M.L. 21 ...	Floater ...	...	30	...	*112·19	...	...	...	112·19	...	...	...	...	...	...	...	...	...
Do ...	26 ...	James Henry ...	...	24	...	...	22·00	72·65	3·30	...	...	22·00	72·65	3·30	...	...	...	...	4 0 0
Do ...	1 ...	...	Phillips River G.M. Co., N.L.	24	...	...	170·00	153·08	'90	...	...	170·00	153·08	'90	...	...	...	...	...
Do ...	...	Voided leases ...	...	...	...	...	...	...	...	5·00	...	...	...	...	...	...	...	...	...
Total ...				...	...	487·11	192·00	225·73	1·17	...	526·11	192·00	225·73	1·17	4 0 0				

\* From copper ore.

### Donnybrook Goldfield.

MINING CENTRE.	NUMBER OF LEASE.	NAME OF LEASE.	REGISTERED NAME OF COMPANY.	Area in Acres.	TOTAL FOR 1901.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1901.		
					Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Average per ton treated.			
Donnybrook ...	P.P.L. 10 ...	Bullington ...	...	a. r. p. 20 1 0	...	...	...	...	...	...	...	...	...	187·00	58·55	'31	£ s. d.
Do ...	107 ...	Commonwealth ...	...	V.N.P.	...	...	8·50	1·36	'16	...	...	...	...	8·50	1·36	'16	
Do ...	P.P.L. 2 ...	Donnybrook ...	...	12	...	...	...	...	...	32·00	...	...	...	46·25	212·10	4·58	
Do ...	P.P.L. 1 ...	Donnybrook No. 1 South...	...	6	...	...	...	...	...	...	...	...	...	26·50	39·50	1·49	
Do ...	P.P.L. 11 ...	Hunter's Venture ...	...	a. r. p. 12 2 0	...	...	...	...	...	...	...	...	...	111·00	65·55	'59	
Do ...	2 ...	Perseverance ...	...	12	...	...	...	...	...	...	...	...	...	4·00	'13	'03	
Do ...	5 ...	Queen of the South ...	...	a. r. p. 11 3 16	...	...	...	...	...	...	...	...	...	292·05	569·70	1·95	
Do ...	P.P.L. 14 ...	Star of the West ...	...	18	...	...	...	...	...	...	...	...	...	5·00	1·00	'20	
Do ...	...	Voided leases ...	...	...	...	...	...	...	...	10	...	...	...	1·00	'61	...	
Do ...	...	Sundry claims...	...	...	...	...	40·00	2·50	...	...	...	...	...	40·00	2·50	...	
Total ...				...	...	48·50	3·86	'03	32·10	...	721·30	951·00	1·31				

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### Goldfields generally.

MINING CENTRE.	NUMBER OF LEASE.	NAME OF LEASE.	REGISTERED NAME OF COMPANY.	Area in Acres.	TOTAL FOR 1901.					TOTAL GOLD PRODUCTION.					Estimated Value of Gold per oz., 1901.			
					Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Average per ton treated.				
Sundry parcels treated at Northam Milling and Mining Works ...					...	...	...	...	...	...	...	...	...	...	1,233·90	...	£ s. d.	
Notices of Purchase ...					25·89	100·89	...	...	...	...	142·33	176·01	...	...	...	...	...	...
Total ...					25·89	100·89	...	...	...	...	142·33	176·01	...	...	1,233·90	...	...	

TABLE V.

MILLING and CYANIDING PLANTS erected, in the respective Goldfields and Districts, on the 31st December, 1901.

Lease or Area on which erected.	NAME OF COMPANY OR WORKS.	MILLING.										CYANIDING.			
		Batteries. Number of Stamps.	Other Mills.								Leaching Vats.	Agitators and Agitating Vats.	Storage Vats.	Filter Presses.	
			Ball.	Griffin.	Huntington.	Tremain.	Prospecting.	Crushing Rollers.	Dry Crushers.	Puddlers.					Arrastras.
<b>KIMBERLEY GOLDFIELD.</b>															
M.A. 8 ...	Mt. Bradley Tunnelling Claim ...	10													
M.A. 9 ...	Ruby Queen ...	15													
	Total ...	25													
<b>PILBARRA GOLDFIELD.</b>															
<i>Marble Bar District.</i>															
M.A. 9 ...	Bamboo Queen and Reward Mines, Ltd. ...	10													
3, etc. ...	British Exploration of Australasia, Ltd. ...	5			3							2			
161 ...	Bulletin ...	10													
M.A. 17 ...	Cremorne ...	5													
601 ...	Golden Granite ...					1									
M.A. 18 ...	Klondyke ...	5													
562 ...	Lady Adelaide No. 1 ...	10													
M.A. 23 ...	Lallarookh G.M. Co. ...					1									
M.A. 19 ...	Salgash Public Crushing Co. ...	15													
568 ...	Western Chief No. 1 South ...	10										3	2		
M.A. 15 ...	Western Shaw ...	10													
	Total ...	80			3	1	1					5	2		
<i>Nullagine District.</i>															
106L ...	Barton ...	15													
M.A. 3L ...	British Exploration of Australasia, Ltd. ...	10													
M.A. 7L ...	Elsie ...					1									
M.A. 6L ...	Royer's Public Crushing Battery ...	10													
	Total ...	35				1									
<b>WEST PILBARRA GOLDFIELD.</b>															
97 ...	Empress G.Ms., Ltd. ...					1									
106 ...	Ninety-nine ...					1									
	Total ...					1	1								
<b>PEAK HILL GOLDFIELD.</b>															
M.As. 1P, 4P	Peak Hill Goldfields, Ltd. ...	40						1				4	5	9	
	Ravelstone Government Public Battery ...	10													
	Total ...	50						1				4	5	9	
<b>EAST MURCHISON GOLDFIELD.</b>															
24, etc. ...	Bellevue Consolidated, Ltd. ...	20													
M.A. 9 ...	Christensen's Works ...											1		1	
453 ...	Cinderella ...	5													
Q.P.P.A. 15 ...	Condor United Battery ...	5													
Q.P.P.A. 22 ...	Earlesville ...							1							
37, etc. ...	East Murchison United, Ltd. ...	40	1									6		3	
1 ...	Fingall Reefs Extended, Ltd. ...	10													
140, etc. ...	Golden Age Consolidated, Ltd. ...	20										5		3	
251 ...	International ...											4		2	
535 ...	Kingston ...	5													
	Lake Darlot Government Public Battery ...	10													
149, etc. ...	Lake Way Goldfields (1899), Ltd. ...	10										2		5	
M.A. 11 ...	Lawlers Public Battery ...	10													
15 ...	Leinster ...	10													
137, etc. ...	Monarch of the East G.M. Co., N.L. ...	10						1				3		3	
520 ...	Sons of Lawlers ...							2							
326 ...	Weelona ...							1							
62 ...	Worong South ...	5													
382 ...	Yellow Aster ...	10										3		3	
	Total ...	170	1					5				24		20	

TABLE V.—Milling and Cyaniding Plants erected, in the respective Goldfields and Districts, etc.—continued.

Lease or Area on which erected.	NAME OF COMPANY OR WORKS.	MILLING.								CYANIDING.				
		Batteries.	Other Mills.							Leaching Vats.	Agitators and Agitating Vats.	Storage Vats.	Filter Presses.	
			Number of Stamps.	Ball.	Griffin.	Huntington.	Tremain.	Prospecting.	Crushing Rollers.					Dry Crushers.
<b>MURCHISON GOLDFIELD.</b>														
<i>Cue District.</i>														
1182 ...	Anchor Consolidated G.Ms. (W.A.), Ltd.	10												
252 ...	City of Chester G.M., Ltd.	5									4			
634, etc. (964)	Cuddingwarra G.Ms., Ltd.	10	1								4		2	
T.A. 12	Cue Consolidated G.Ms., Ltd.	10												
203	Cue Gold Recovery Co., Ltd.	20									4		2	
M.A. 5	Cue No. 1	10									4			
1174	Cue Public Battery Co., Ltd.	10												
523, etc.	Cue Victory G.Ms., Ltd.	10									4		2	
1277 ...	Gem of Cue, Ltd.	15									5		3	
222, etc.	Murchison Associated G.Ms., Ltd.	10												
595, etc.	Princess (Murchison) Consolidated, Ltd.	10									4			
M.A. 17	Tuckanarra Government Public Battery	10												
	Victory United G.M. Co., N.L.	10									4		2	
	Weld Hercules G.Ms., Ltd.	20												
	Total	140	1								33		13	
<i>Nannine District.</i>														
M.A. 1N	After Many Years	20									4			
238N ...	Alliance	5												
10N, etc.	Champion Reef (Nannine, W.A.) G.M. Co., Ltd.	30												
27N ...	Crown	10									4			
171N ...	Meekatharra Government Public Battery	10												
7N, etc.	Mt. Vranizan	10									3		2	
16N, etc.	Mt. Yagahong Exploration Co., Ltd.	20									6		2	
32N, etc.	Nannine leases	13												
247N, etc.	Nannine Goldfields, Ltd.	10												
18N ...	New Murchison King G.Ms.	10									5		2	
213N ...	New Year G.M., Ltd.	10												
174N ...	Nowthanna G.Ms., Ltd.	5												
	Star of the East, Ltd.	20									6		2	
	Total	173									28		8	
<i>Day Dawn District.</i>														
M.A. 6D	Day Dawn Public Battery	10									5		2	
15D, etc.	Emperor G.Ms., Ltd.	5												
26D ...	Eureka No. 5	5												
1D, etc.	Great Fingall Consolidated, Ltd.	40									8		4	
35D, etc.	Golconda G.Ms., Ltd.	10												
5D, etc.	Island Eureka G.M. Co., N.L.	10												
8D, etc.	Island Lake Austin G.M. Co., N.L.	10									2			
179D ...	Kinsella	10									2		3	
M.A. 1D	Mainland Consols, Ltd.	10									3		2	
	Total	100									20		11	
<i>Mt. Magnet District.</i>														
327M, etc.	Burra Burra leases	10												
7M, etc.	Chums Consolidated, Ltd.	10									6		2	
80M ...	Colonial Consolidated Finance Corporation, Ltd.	20												
465M, etc.	Empress leases	10												
30M, etc.	Lennonville Government Public Battery	10									3		3	
314M, etc.	Long Reef G.M. Co., Ltd.	20									4		6	
(80M) ...	Morning Star leases	10									6		2	
57M ...	Mt. Magnet East Government Public Battery	5												
120M, etc.	Piedmont Cyanide Works	10									6		3	
340M, etc.	Welcome	10				1								
	Western Syndicate, Ltd.	10												
	Windsor Consolidated (W.A.) G.Ms., Ltd.	20												
	Total	125				1					25		16	

TABLE V.—Milling and Cyaniding Plants erected, in the respective Goldfields and Districts, etc.—continued.

Lease or Area on which erected.	NAME OF COMPANY OR WORKS.	MILLING.									CYANIDING.				
		Bat-teries.	Other Mills.								Leaching Vats.	Agitators and Agitating Vats.	Storage Vats.	Filter Presses.	
			Number of Stamps.	Ball.	Griffin.	Huntington.	Tremain.	Prospecting.	Crushing Rollers.	Dry Crushers.					Puddlers.
<b>YALGOO GOLDFIELD.</b>															
129 ...	Emerald Reward Consolidated ...	5	...	...	1	...	...	...	...	...	...	...	...	...	...
441, etc. ...	Field's Find G.Ms., Ltd. ...	20	...	...	...	...	...	...	...	...	...	...	...	...	...
34, etc. ...	Phoenix G.Ms., Ltd. ...	10	...	...	...	...	...	...	...	...	...	...	...	...	...
M.A. 10 ...	Pinyalling Discovery G.Ms., Ltd. ...	5	...	...	...	...	...	...	...	...	...	...	...	...	...
M.A. 8 ...	Royal Standard ...	5	...	...	...	...	...	...	...	...	...	...	...	...	...
Q.P.P.A. 80 ...	Undaunted ...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
440 ...	Victoria United ...	5	...	...	...	...	...	...	...	...	5	...	2	...	...
14, etc. ...	Woodley's G.Ms., Ltd. ...	20	...	...	...	...	...	...	...	...	4	...	3	...	...
	Total ...	70	...	...	1	...	1	...	...	...	9	...	5	...	...
<b>MT. MARGARET GOLDFIELD.</b>															
<i>Mt. Malcolm District.</i>															
52c, etc. ...	Arrow Brown Hill G.M. Co., Ltd. ...	10	...	...	...	...	...	...	...	...	6	...	2	...	...
M.A. 1c ...	Diorite King Consols, Ltd. ...	...	...	...	...	...	...	...	...	...	3	...	3	...	...
W.R. 84c ...	Dover Castle ...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
637c ...	Golden Crown and Midas United G.M. Co., N.L. ...	5	...	...	...	...	...	...	...	...	...	...	...	...	...
335c, etc. ...	King of the Hills G.M. Co., Ltd. ...	20	...	...	...	...	...	...	...	...	4	...	2	...	...
195c, etc. ...	Leonora Gold Blocks ...	10	...	...	...	...	...	...	...	...	3	...	3	...	...
	Leonora Government Public Battery ...	10	...	...	...	...	...	...	...	...	...	...	...	...	...
638c ...	Merton's Reward North ...	30	...	...	...	...	...	...	...	...	...	...	...	...	...
291c, etc. ...	Middlesex leases—Diorite King Consols, Ltd. ...	10	...	...	...	...	...	...	...	...	...	...	...	...	...
T.A. 3c ...	Mt. George ...	10	...	...	...	...	...	...	...	...	10	...	2	...	...
11c, etc. ...	Mt. Malcolm Mines, Ltd. ...	30	...	...	...	...	2	...	...	...	8	...	3	...	...
441c, etc. ...	Mt. Stirling leases ...	10	...	...	...	...	...	...	...	...	...	...	...	...	...
2c, etc. ...	North Star G.Ms., Ltd. ...	20	...	...	...	...	...	1	...	...	...	...	...	...	...
532c ...	Proprietary Extended ...	3	...	...	...	...	...	...	...	...	...	...	...	...	...
12c ...	Richmond Gem G.M. Co., N.L. ...	10	...	...	...	...	...	...	...	...	...	...	...	...	...
190c, etc. ...	Sons of Gwalia, Ltd. ...	60	...	...	...	...	...	...	...	...	17	...	8	...	...
263c ...	Trump ...	10	...	...	...	...	...	...	...	...	...	...	...	...	...
642c ...	Umpire ...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
M.A. 4c ...	Webster's G.M. Co., Ltd. ...	10	...	...	...	...	...	...	...	...	...	...	...	...	...
	Total ...	258	...	...	...	2	2	1	...	...	51	...	23	...	...
<i>Mt. Margaret District.</i>															
1034r ...	Burtville Public Crushing Battery ...	5	...	...	...	...	...	...	...	...	...	...	...	...	...
1322r ...	Caledonia North ...	3	...	...	...	...	...	...	...	...	...	...	...	...	...
761r, etc. ...	Childe Harold G.M. Co., Ltd. ...	20	...	...	...	...	...	...	...	...	5	...	3	...	...
592r ...	Craiggiemore Proprietary, Ltd. ...	20	...	...	...	...	...	...	...	...	9	...	2	...	...
811r ...	Edinboro' Castle ...	8	...	...	...	...	...	...	...	...	4	...	3	...	...
795r, etc. ...	Erlstoun Proprietary G.M. Co., N.L. ...	10	...	...	...	...	...	...	...	...	3	...	2	...	...
785r ...	Euro G.Ms., Ltd. ...	40	...	...	...	...	...	...	...	...	...	...	...	...	...
371r ...	Golden Rhine G.Ms. (W.A.), Ltd. ...	10	...	...	...	...	...	...	...	...	6	...	...	...	...
801r ...	Golden Ring ...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
326r, etc. ...	Guest's G.M., Ltd. ...	20	...	...	...	...	...	...	...	...	4	...	3	...	...
829r, etc. ...	Ida H. G.M. Co., Ltd. ...	10	...	...	...	...	...	...	...	...	5	...	2	...	...
M.A. 7r ...	Lancefield G.M. Co., Ltd. ...	20	...	...	...	...	...	...	...	...	12	...	5	...	...
M.A. 9r ...	Mt. Morgans Public Crushing Battery ...	5	...	...	...	...	...	...	...	...	3	...	1	...	...
868r ...	Redcastle ...	10	...	...	...	...	...	...	...	...	...	...	...	...	...
781r ...	Sailor Prince ...	5	...	...	...	...	...	...	...	...	6	...	2	...	...
M.A. 8r ...	Trig Hill Battery ...	10	...	...	...	...	...	...	...	...	...	...	...	...	...
M.A. 8r ...	Trig Hill Cyanide Works ...	...	...	...	...	...	...	...	...	...	4	...	2	...	...
321r ...	Westralia Mt. Morgans G.Ms. Co., Ltd. ...	30	...	...	...	...	...	...	...	...	4	3	4	3	...
	Total ...	226	...	...	...	...	1	...	...	...	65	3	29	3	...
<b>NORTH COOLGARDIE GOLDFIELD.</b>															
<i>Menzies District.</i>															
4988z ...	Coonega ...	...	...	...	...	...	...	...	...	...	5	...	...	...	...
2821z ...	Florence ...	10	...	...	...	...	...	...	...	...	3	...	...	...	...
4855z ...	Goodenough ...	3	...	...	...	...	...	...	...	...	2	...	...	...	...
2728z, etc. ...	Goongarrie Goldfields, Ltd. ...	20	...	...	...	...	...	...	...	...	...	...	...	...	...
2820z, etc. ...	Lady Shenton G.M., Ltd. ...	30	...	...	...	...	1	...	...	...	10	3	2	2	...
	Carried forward ...	63	...	...	...	...	1	...	...	...	20	3	2	2	...

TABLE V.—Milling and Cyaniding Plants erected, in the respective Goldfields and Districts, etc.—continued.

Lease or Area on which erected.	NAME OF COMPANY OR WORKS.	MILLING.										CYANIDING.				
		Batteries.	Other Mills.								Leaching Vats.	Agitators and Agitating Vats.	Storage Vats.	Filter Presses.		
			Number of Stamps.	Ball.	Griffin.	Huntington.	Tremain.	Prospecting.	Crushing Rollers.	Dry Crushers.					Puddlers.	Arrastras.
<b>NORTH COOLGARDIE GOLDFIELD—continued.</b>																
<i>Menzies District—continued.</i>																
	Brought forward	63							1				20	3	2	2
4931z, etc.	Menzies Consolidated G.Ms., Ltd.	20											6		3	
2823z, etc.	Menzies Cruseo Gold Claims, Ltd.	10											3		2	
4938z, etc.	Menzies Gold Reefs Proprietary, Ltd.	20										1	3	3	4	2
2832z, etc.	Menzies Mining and Exploration Corporation, Ltd.	10											10		5	
2836z, etc.	Queensland Menzies G.M. Co., N.L.	10											3		3	
3048z, etc.	Warrior Menzies G.M. Co., N.L.	5											2		2	
	<b>Total</b>	<b>138</b>							<b>1</b>				<b>47</b>	<b>6</b>	<b>21</b>	<b>4</b>
<i>Ularring District.</i>																
198v	Mt. Ida Consols, Ltd.	10														
	Mt. Ida Government Public Battery	10											3		2	
	Mulline Government Public Battery	20											5		3	
	Mulwarrie Government Public Battery	10														
123v, etc.	Riverina G.M. Co., N.L.	10														
11v, etc.	Speakman's Mt. Callion, Ltd.	20											3			
	<b>Total</b>	<b>80</b>											<b>11</b>		<b>5</b>	
<i>Niagara District.</i>																
41g	Britannia G.M. Co. Ltd.	10											6		3	
320g, etc.	Champion Proprietary, Ltd.	10											3			
M.A. 20g	Continental and W.A. Trust, Ltd.	10														
20g	Cumberland Niagara G.Ms., Ltd.	20											2		2	
26g	Cosmopolitan Proprietary, Ltd.	20											5		5	
M.A. 7g	Golden Hope	5											5		3	
M.A. 4g	Mignonette	10														
	Niagara Government Public Battery	10														
255g	Puzzle					1										
	<b>Total</b>	<b>95</b>				<b>1</b>							<b>21</b>		<b>13</b>	
<i>Yerilla District.</i>																
408R	Greenhill G.M. Co., Ltd.	5											3		3	
M.A. 1R	Holborn and Summers' Works												4		1	
196R	Linden Gold Recovery Syndicate	10														
M.A. 3R	Moss Rose					1										
450R, etc.	Mt. Margaret Reward Claim, Ltd.	10											6			
401R	Neta	5											4		2	
M.A. 2R	Shannon	10														
	<b>Total</b>	<b>40</b>				<b>1</b>							<b>17</b>		<b>6</b>	
<b>BROAD ARROW GOLDFIELD.</b>																
43w, etc.	Black Flag Proprietary, Ltd.	50											6		3	
18w, etc.	Excelsior leases	5					1	1					1		2	
3w, etc.	Golden Arrow Mine, Ltd.	20														
1112w	Grafter	5														
107w, etc.	Half-mile Reef Mines, Ltd.	20						1					5		2	
47w, etc.	Lady Bountiful G.M. Co., N.L.	10											3		3	
44w	Mona Gold Mine, Ltd.	10														
45w	Mount Corlic	10														
1101w	Nerrin Nerrin	10														
M.A. 14w	New Arrow Proprietary	10														
2w, etc.	New Austral Company, Ltd.		1										6		3	
M.A. 15w	Northam Milling and Mining Co., Ltd.	20											3		1	
1w, etc.	Paddington Consols, Ltd.	40							1				10	8	4	3
T.A. 13w	Paddington Cyaniding Syndicate												7		2	
959w, etc.	Slug Hill (Pride of the Hill) G.M. Co., Ltd.	20														
17w, etc.	Zoroastrian Gold Estates, Ltd.	10														
	<b>Total</b>	<b>240</b>	<b>1</b>						<b>2</b>	<b>2</b>			<b>41</b>	<b>8</b>	<b>20</b>	<b>3</b>



TABLE V.—Milling and Cyaniding Plants erected, in the respective Goldfields and Districts, etc.—continued.

Lease or Area on which erected.	NAME OF COMPANY OR WORKS.	MILLING.								CYANIDING.			
		Batteries.	Other Mills.							Leaching Vats.	Agitators and Agitating Vats.	Storage Vats.	Filter Presses.
			Number of Stamps.	Ball.	Griffin.	Huntington.	Tremain.	Prospecting.	Crushing Rollers.				
<b>NORTH-EAST COOLGARDIE GOLDFIELD.</b>													
<i>Kanowna District.</i>													
W.R. 50x ...	Albert Herbert Works ...	...	...	...	...	...	...	...	1	...	...	2	...
978x ...	Altoona ...	...	...	1	...	...	...	1	...	...	...	...	...
92x, etc ...	Bonnie Charlie G.M. Co., N.L. ...	10	...	...	...	...	...	...	...	...	...	...	...
Q.C. 61x ...	Campbell's Works ...	...	...	...	...	...	...	...	1	...	...	...	...
M.A. 35x ...	Fischer's Works ...	...	...	...	...	...	...	...	1	...	2	...	...
M.A. 29x ...	Globe ...	...	1	...	...	...	...	...	...	3	1	...	...
M.A. 30x ...	Golden Puzzle ...	5	...	...	...	...	...	...	...	...	4	3	...
367x, etc ...	Golden Valley Mines of W.A., Ltd. ...	10	...	1	...	...	...	...	...	...	...	...	...
W.R. 1x ...	Haacksville ...	5	...	...	...	...	...	...	...	...	6	2	...
M.A. 36x ...	Kalgoorlie Gold Recovery Co., Ltd. ...	...	...	1	...	...	...	...	...	...	20	4	...
153x, etc ...	Kanowna Consolidated G.Ms., Ltd. ...	10	...	...	...	...	...	...	...	...	1	4	...
837x, etc ...	Koh-i-Noor leases ...	5	...	...	...	...	...	...	...	...	...	...	...
187x, etc ...	London and Coolgardie Explorers, Ltd. ...	10	...	...	...	...	...	...	...	...	...	...	...
M.A. 25x ...	Mellrath and Campbell's Works ...	...	...	1	...	...	...	...	...	...	...	...	...
M.A. 31x ...	Mitchell's Works ...	...	...	...	1	...	...	...	...	...	...	...	...
M.A. 17x ...	Monmouth ...	...	...	1	...	...	...	...	...	...	...	...	...
M.A. 34x ...	Moore's Works ...	...	...	1	...	...	...	...	...	...	...	...	...
M.A. 15x ...	Morgan and Phillips' Works ...	...	...	...	...	...	...	1	...	...	...	...	...
918x ...	North Cross Reef ...	...	...	...	...	...	...	1	...	...	...	...	...
3x, etc ...	North White Feather G.Ms., Ltd. ...	20	...	...	...	...	...	...	...	...	...	...	...
M.A. 19x ...	Old Cement ...	5	...	...	...	...	...	...	...	...	...	...	...
74x, etc ...	Phoenix G.Ms., Ltd. ...	20	...	...	...	...	...	...	...	...	...	...	...
Q.C. 57x ...	Rindel's Works ...	...	...	...	2	...	...	...	...	...	...	...	...
52x, etc ...	Robinson G.Ms., Ltd. ...	20	...	...	...	...	...	...	...	...	4	2	...
Q.P.P.A. 66x ...	Sims' Works ...	5	...	...	...	1	...	1	...	...	...	...	...
891x ...	Sirdar ...	10	...	...	...	...	...	...	...	...	...	...	...
392x, etc ...	South Gippsland leases ...	10	...	...	...	...	...	...	...	...	...	...	...
52x ...	Venture Cyanide Syndicate ...	...	...	...	...	...	...	...	...	...	24	2	...
847x, etc ...	Vosperton G.Ms., Ltd. ...	10	...	...	...	...	...	...	...	...	...	...	...
987x ...	Westralian Gold Extracting Co., Ltd. ...	...	...	1	...	...	...	...	...	...	4	...	...
12x, etc ...	White Feather Main Reefs, Ltd. ...	20	...	...	...	...	...	...	...	...	7	2	...
9x, etc ...	White Feather Reward Claim, Ltd. ...	20	...	...	...	...	...	...	...	...	12	2	...
...	Total ...	195	1	1	6	3	2	6	3	82	5	21	...
<i>Bulong District.</i>													
M.A. 62y ...	Goldfields Water Supply and Exploration Syndicate, Ltd. ...	10	...	...	...	...	...	...	...	...	...	...	...
9y, etc ...	Queen Margaret G.M. Co., Ltd. ...	20	...	...	...	...	...	...	...	...	...	...	...
681y ...	Slug Hill Proprietary G.M. Co., N.L. ...	...	...	...	...	...	...	1	...	...	...	...	...
...	Total ...	30	...	...	...	...	...	1	...	...	...	...	...
<i>Kurnalpi District.</i>													
M.A. 2K ...	Hampton Goldhill Mines, Ltd. ...	5	...	...	...	...	...	...	...	...	...	...	...
M.A. 1R ...	Jubilee Gift South ...	5	...	...	...	...	...	...	...	...	...	...	...
...	Total ...	10	...	...	...	...	...	...	...	...	...	...	...
<b>EAST COOLGARDIE GOLDFIELD.</b>													
38E, etc ...	Associated G.Ms. of W.A., Ltd. ...	...	14	...	4	...	...	4	...	...	18	9	4
49E, etc ...	Associated Northern Blocks (W.A.), Ltd. ...	...	...	...	...	...	...	2	...	...	...	...	...
261E, etc ...	Brookman Bros. Boulder G.M. Co., Ltd. ...	10	...	...	...	...	...	...	...	...	2	...	...
13E, etc ...	Crocus South G.Ms., Ltd. ...	20	...	...	...	...	...	...	...	...	...	...	...
351E ...	Golden Horseshoe Estates Co., Ltd. ...	50	...	...	...	...	...	...	...	...	15	1	8 9
2310E, etc ...	Golden Ridge Proprietary leases ...	10	...	...	...	...	...	...	...	...	...	...	...
873E ...	Great Boulder Main Reef, Ltd. ...	...	2	...	...	...	...	...	...	...	4	6	6
50E ...	Great Boulder No. 1, Ltd. ...	10	...	...	...	...	...	...	...	...	4	4	...
66E ...	Great Boulder Perseverance G.M. Co., Ltd. ...	...	10	...	...	...	...	...	...	...	24	13	13
16E, etc ...	Great Boulder Proprietary G.Ms., Ltd. ...	30	10	...	...	...	...	...	...	...	14	2	14
3643E ...	Hainault G.Ms., Ltd. ...	10	...	...	...	...	...	...	...	...	4	2	...
Block 50 ...	Hampton Properties, Ltd. ...	5	...	...	...	...	...	...	...	...	...	...	...
...	Carried forward ...	145	16	20	4	...	4	2	...	43	43	31	46

TABLE V.—*Milling and Cyaniding Plants erected, in the respective Goldfields and Districts, etc.—continued.*

Lease or Area on which erected.	NAME OF COMPANY OR WORKS.	MILLING.										CYANIDING.								
		Bat-teries.	Other Mills.								Leaching Vats.	Agitators and Agitating Vats.	Storage Vats.	Filter Presses.						
			Number of Stamps.	Ball.	Griffin.	Huntington.	Tremain.	Prospecting.	Crushing Rollers.	Dry Crushers.					Puddlers.	Arrastras.				
<b>EAST COOLGARDIE GOLDFIELD—continued.</b>																				
	Brought forward	145	16	20	4	...	...	4	2	...	...	43	43	31	46					
448E, etc.	Hannan's Brown Hill G.M. Co., Ltd.	20	4	...	...	...	...	...	...	...	...	14	4	...	5					
1131E	Hannan's Central Extended G.M. Co., N.L.	10	...	...	...	...	...	...	...	...	...	...	...	...	...					
739E	Hannan's Croesus, Ltd.	5	...	...	...	...	...	...	...	...	...	8	...	3	...					
12E, etc.	Hannan's North G.M. Co., Ltd.	10	...	...	...	...	...	...	...	...	...	...	...	...	...					
410E, etc.	Hannan's Oroya G.M. Co., W.A., Ltd.	...	...	...	3	...	...	...	...	...	...	...	...	...	...					
1024E, etc.	Hannan's Proprietary Developments Co., Ltd.	...	...	...	3	...	...	...	...	...	...	...	...	...	...					
M.A. 11E	Hannan's Public Crushing, Condensing, and Sawmilling Co., W.A., Ltd.	20	...	...	...	...	...	...	...	...	...	4	4	5	4					
97E	Hannan's Reward, Ltd.	20	...	...	...	...	...	...	...	...	...	...	...	...	...					
15E, etc.	Hannan's Star G.Ms., Ltd.	...	2	...	...	...	...	...	...	...	...	...	4	11	2					
31E	Ivanhoe Gold Corporation, Ltd.	100	...	...	...	...	...	1	...	...	...	24	9	6	6					
33E	Kalgoorlie Bank of England G.M. Co., Ltd.	...	2	2	...	...	...	...	...	...	...	4	...	4	...					
M.A. 26E	Kalgoorlie Gold Recovery Co., Ltd.	...	...	...	...	...	...	...	...	...	...	12	...	5	...					
73E, etc.	Kalgoorlie Mint and Iron King G.Ms., Ltd.	10	...	...	...	...	...	...	...	...	...	4	...	3	...					
22E, etc.	Kalgorli G.Ms., Ltd.	...	6	...	...	...	...	...	...	...	...	14	7	4	2					
25E, etc.	Lake View Consols, Ltd.	70	4	...	...	...	...	...	...	...	...	...	12	6	22					
103F	Lake View Extended G.M. (W.A.), Ltd.	10	...	...	...	...	...	...	...	...	...	...	...	...	...					
75E	Lake View South G.M. (W.A.), Ltd.	30	...	...	...	...	...	...	...	...	...	7	...	6	...					
211E, etc.	Mt. Charlotte G.M. Co., Ltd.	10	...	...	...	...	...	...	...	...	...	...	...	...	...					
35E	North Boulder G.M. Co., Ltd.	10	...	2	...	...	...	...	...	...	...	8	...	4	...					
1208E, etc.	South Kalgorli G.Ms., Ltd.	...	7	...	...	...	...	2	...	...	...	...	9	...	8					
	Total	470	34	27	14	...	...	7	2	...	...	142	92	88	95					
<b>COOLGARDIE GOLDFIELD.</b>																				
<i>Coolgardie District.</i>																				
22	Bayley's Consols G.M. Co., N.L.	10	...	...	...	...	...	...	...	...	...	...	...	...	...					
133, etc.	Bayley's United G.Ms., Ltd.	20	...	...	...	...	...	...	...	...	...	6	...	4	4					
126, etc.	Bendigo and Coolgardie Proprietary Co., N.L.	15	...	...	...	...	...	...	...	...	...	...	...	4	...					
184, etc.	Burbanks Birthday Gift G.M., Ltd.	60	...	...	...	...	...	...	...	...	...	6	...	4	...					
2985, etc.	Burbanks Main Lode, Ltd.	10	...	...	...	...	...	...	...	...	...	4	...	...	...					
3811, etc.	Cyanide leases	...	...	...	...	...	...	...	...	...	...	1	...	3	...					
1854	De Beers	5	...	...	...	...	...	...	...	...	...	...	...	...	...					
3590	Flagstaff Mines, Ltd.	20	...	...	...	...	...	...	...	...	...	...	...	...	...					
595, etc.	Gem leases	25	...	...	...	...	...	...	...	...	...	6	...	2	...					
20, etc.	Golden Bar G.M. Co., N.L.	15	...	...	...	...	...	...	...	...	...	4	...	2	...					
Block 48	Hampton Plains Estate, Ltd.	20	1	...	1	...	...	...	...	...	...	...	...	...	...					
M.A. 22	Highgate Syndicate	...	...	...	...	...	...	1	...	...	...	2	...	1	...					
M.A. 36	Howell's Works	...	...	...	...	...	...	...	...	...	...	1	...	5	2					
T.A. 23	Kalgoorlie Gold Recovery Co., Ltd.	...	...	...	...	...	...	...	...	...	...	6	...	5	2					
18, etc.	King Solomon's G.Ms., Ltd.	20	...	...	...	...	...	...	...	...	...	5	...	...	...					
666, etc.	Lady Charlotte G.Ms., Ltd.	10	...	...	...	...	...	...	...	...	...	...	...	...	...					
284, etc.	Lady Loch G.Ms., Ltd.	20	...	...	...	...	...	1	1	...	...	8	...	2	...					
808, etc.	Lindsay's Consolidated Mines, Ltd.	11	...	...	...	...	...	...	...	...	...	...	...	...	...					
575, etc.	Londonderry G.M., Ltd.	10	...	...	...	...	...	...	...	...	...	...	...	...	...					
1610	Mt. Burgess Christmas Gift	5	...	...	...	...	...	...	...	...	...	...	...	...	...					
2413	Mt. Burgess G.M., Ltd.	15	...	...	...	...	...	...	...	...	...	...	...	...	...					
3404, etc.	Red Hill (W.A.) Gold Syndicate, Ltd.	10	...	...	...	...	...	...	...	...	...	7	...	2	...					
122	Robinson G.Ms., Ltd.	...	...	...	...	...	...	...	...	...	...	6	...	...	...					
3415, etc.	Sherlaw's G.M. Co., Ltd.	20	...	...	...	...	...	...	...	...	...	5	...	3	...					
(3481)	Silverthorne's Battery	10	...	...	...	...	...	...	...	...	...	...	...	...	...					
33, etc.	Tindal's Coolgardie G.M. Co., N.L.	10	...	...	...	...	...	...	...	...	...	...	...	...	...					
1552	Vale of Coolgardie G.Ms., Ltd.	10	...	...	...	...	...	...	...	...	...	5	...	2	...					
144, etc.	Westralia and East Extension Mines, Ltd.	40	...	...	...	...	...	...	...	...	...	...	...	...	...					
	Widgiemooltha Government Public Battery	10	...	...	...	...	...	...	...	...	...	...	...	...	...					
	Total	401	1	...	...	1	2	...	1	2	...	72	...	32	6					
<i>Kunanalling District.</i>																				
M.A. 71s	Amalgamated G.Ms., Ltd.	10	...	...	...	...	...	...	...	...	...	1	...	...	...					
119s	Bunyip G.Ms., Ltd.	10	...	...	...	...	...	...	...	...	...	...	...	...	...					
479s	Fair Adelaide	5	...	...	...	...	...	...	...	...	...	...	...	...	...					
77s, etc.	Great Cement Proprietary, Ltd.	20	...	...	...	...	...	...	...	...	...	...	...	...	...					
61s, etc.	Hands-Across-the-Sea G.M. Co., Ltd.	5	...	...	...	...	...	...	...	...	...	...	...	...	...					
W.R. 4250	Little Dot	...	...	...	...	...	...	1	...	...	...	...	...	...	...					
524s	Pearce's Kunanalling Co., N.L.	10	...	...	...	...	...	...	...	...	...	...	...	...	...					
2s, etc.	Perry's Reef leases	10	...	...	...	...	...	...	...	...	...	...	...	...	...					
	Carried forward	70	...	...	...	1	...	...	...	...	...	1	...	...	...					

TABLE V.—Milling and Cyaniding Plants erected, in the respective Goldfields and Districts, etc.—continued.

Lease or Area on which erected.	NAME OF COMPANY OR WORKS.	MILLING.										CYANIDING.							
		Batteries.	Other Mills.								Leaching Vats.	Agitators and Agitating Vats.	Storage Vats.	Filter Presses.					
			Number of Stamps.	Ball.	Griffin.	Huntington.	Tremain.	Prospecting.	Crushing Rollers.	Dry Crushers.					Puddlers.	Arrastras.			
COOLGARDIE GOLDFIELD—continued.																			
Kunanalling District—continued.																			
	Brought forward	70				1								1					
299s ...	Pole ...	5															5		2
70s, etc.	Premier G.M. Co., N.L.	25	2														11	2	6
369s ...	Pride of the Jourdies ...	8																	
M.A. 13s	Stanley ...	5																	
17s, etc.	Wealth of Nations, Ltd.	20															1		
	Total	133	2			1								1			17	2	8
YILGARN GOLDFIELD.																			
T.A. 13	André's Cyanide Works ...																2		
246, etc.	Associated Mt. Jackson G.Ms. (W.A.), Ltd.	10																	
508 ...	Australia ...							1											
T.A. 9	Clarke's Battery ...	10															6		4
256, etc.	Fraser's South Extended G.M. Co. Ltd.	20															5		
279 ...	Hatt's Central Cyanide Works ...																6		2
19, etc.	Hope's Hill G.M. Co., Ltd.	70		4													25		4
(498) ...	Lass o' Gowrie ...	5																	
13, etc.	Mines Development Syndicate, Ltd.	50															19		4
212, etc.	Mt. Jackson G.Ms., Ltd.	10																	1
490, etc.	Turnbull's leases ...																6		6
	Total	175		4				1		1							69		20
DUNDAS GOLDFIELD.																			
M.A. 30	Break o' Day ...	10															4		2
96, etc.	Central Wealth Consolidated Goldfields, Ltd.	10																	
143 ...	Day Dawn North Extended ...							1											
49, etc.	Lady Mary leases ...	20															5		2
M.A. 22	Majestic G.Ms., Ltd.	15																	
R.C. 2	Mararoa ...																3		2
M.A. 2	Mt. Benson G.M. Co., N.L.	10															2		2
M.A. 18	Norseman Crushing and Cyanide Works	10															3		
18, etc.	Norseman G.Ms., Ltd.	20	2														5		3
	Norseman Government Public Battery	10															12		1
M.A. 28	Pathway ...							2											
106, etc.	Princess Royal G.M. Co., N.L.	30															5		2
M.A. 10	Three Colonies ...				1							1					4		2
	Total	135	2		1			3		1							43		15
PHILLIPS RIVER GOLDFIELD.																			
M.L. 21	Floater ...	10																	
1 ...	Phillips River G.M. Co., N.L.	10																	
	Total	20																	
DONNYBROOK GOLDFIELD.																			
(100) ...	Aloha Nui ...		1																
	Total		1																
STATE GENERALLY.																			
	Fremantle Smelting Works, Ltd.									2	1								
	Northam Milling and Mining Co., Ltd.	60															5		
	Total	60								2	1						5		

TABLE VI.

Average FINENESS and VALUE per ounce of Gold Bullion produced from each District, Goldfield, and the State during 1901.

GOLDFIELD.		DISTRICT.	Value per oz. of Metal produced.	Average Fineness of Metal produced.	Gross Yield from Mines supplying data.	Total Fine Gold Contents.	Value per oz. of Metal produced.	Average Fineness of Metal produced.	Gross Yield from Mines supplying data.	Total Fine Gold Contents.	GOLDFIELD.	
			£ s. d.	...	ozs.	ozs.	£ s. d.	...	ozs.	ozs.		
1	Kimberley ... ..	...	3 15 0	8828	297.06	262.24	3 15 0	8828	297.06	262.24	Kimberley ... ..	1
2	Pilbarra ... ..	Marble Bar ... ..	3 11 9	8445	4,475.49	3,779.55	3 16 4 $\frac{1}{2}$	8992	10,248.30	9,215.23	Pilbarra ... ..	2
	Do. ... ..	Nullagine ... ..	4 0 0	9416	5,772.81	5,435.68	3 13 0	8592	231.29	198.72	West Pilbarra ... ..	3
3	West Pilbarra ... ..	...	...	...	...	...	4 0 4	9456	992.00	938.04	Ashburton ... ..	4
4	Ashburton ... ..	...	...	...	...	...	...	...	...	...	Gascoyne ... ..	5
5	Gascoyne ... ..	...	...	...	...	...	3 18 0 $\frac{1}{2}$	9186	19,909.78	18,289.67	Peak Hill ... ..	6
6	Peak Hill ... ..	...	...	...	...	...	3 13 1 $\frac{1}{2}$	8605	60,930.08	52,429.92	East Murchison ... ..	7
7	East Murchison ... ..	...	...	...	...	...	...	...	...	...	...	...
8	Murchison ... ..	Cue ... ..	3 16 8 $\frac{1}{2}$	9029	7,618.35	6,879.31	3 10 5 $\frac{1}{2}$	8295	114,003.49	94,563.24	Murchison ... ..	8
	Do. ... ..	Nannine ... ..	3 7 4 $\frac{1}{2}$	7927	9,025.73	7,154.72	3 16 9 $\frac{1}{2}$	9042	1,512.49	1,367.69	Yalgoo ... ..	9
	Do. ... ..	Day Dawn ... ..	3 8 6	8063	70,950.61	57,209.25	...	...	...	...	...	...
	Do. ... ..	Mt. Magnet ... ..	3 15 0 $\frac{1}{2}$	8830	26,408.80	23,319.96	3 14 6	8768	135,751.42	119,023.61	Mt. Margaret ... ..	10
9	Yalgoo ... ..	...	...	...	...	...	...	...	...	...	...	...
10	Mt. Margaret ... ..	Mt. Malcolm ... ..	3 15 4 $\frac{1}{2}$	8872	78,202.69	69,380.24	3 9 5	8172	110,456.76	90,265.75	North Coolgardie ... ..	11
	Do. ... ..	Mt. Margaret ... ..	3 13 3 $\frac{1}{2}$	8626	57,548.73	49,643.37	3 13 2 $\frac{1}{2}$	8619	28,724.85	24,756.63	Broad Arrow ... ..	12
11	North Coolgardie ... ..	Menzies ... ..	3 6 1 $\frac{1}{2}$	7783	51,598.58	40,158.64	3 14 0 $\frac{1}{2}$	8713	33,197.43	28,926.53	North-East Coolgardie ... ..	13
	Do. ... ..	Ularring ... ..	3 15 10 $\frac{1}{2}$	8932	12,433.23	11,105.87	3 13 5	8642	958,172.87	828,045.59	East Coolgardie ... ..	14
	Do. ... ..	Niagara ... ..	3 11 3 $\frac{1}{2}$	8391	44,405.65	37,260.71	3 13 1 $\frac{1}{2}$	8606	64,769.17	55,744.33	Coolgardie ... ..	15
	Do. ... ..	Yerilla ... ..	3 13 2 $\frac{1}{2}$	8619	2,019.30	1,740.53	3 10 0 $\frac{1}{2}$	8247	18,579.08	15,321.69	Yilgarn ... ..	16
12	Broad Arrow ... ..	...	...	...	...	...	3 8 4 $\frac{1}{2}$	8051	31,468.75	25,336.36	Dundas ... ..	17
13	North-East Coolgardie ... ..	Kanowna ... ..	3 13 5	8640	25,369.23	21,919.76	4 0 0	9416	442.07	416.26	Phillips River ... ..	18
	Do. ... ..	Bulong ... ..	3 16 5 $\frac{1}{2}$	8998	7,292.45	6,562.20	...	...	...	...	Donnybrook ... ..	19
	Do. ... ..	Kurnalpi ... ..	3 10 6	8298	535.75	444.57	3 12 11 $\frac{1}{2}$	8587	1,589,686.89	1,365,101.50	...	...
14	East Coolgardie ... ..	...	...	...	...	...	...	...	...	...	...	...
15	Coolgardie ... ..	Coolgardie ... ..	3 13 7 $\frac{1}{2}$	8669	53,166.59	46,094.83	...	...	...	...	...	...
	Do. ... ..	Kunanalling ... ..	3 10 7 $\frac{1}{2}$	8316	11,602.58	9,649.50	...	...	...	...	...	...
16	Yilgarn ... ..	...	...	...	...	...	...	...	...	...	...	...
17	Dundas ... ..	...	...	...	...	...	...	...	...	...	...	...
18	Phillips River ... ..	...	...	...	...	...	...	...	...	...	...	...
19	Donnybrook ... ..	...	...	...	...	...	...	...	...	...	...	...

Average Value per ounce, 1901, of Western Australian Gold Bullion, £3 12s. 11 $\frac{1}{2}$ d.

NOTE.—Taking the average fineness of Western Australian Gold Bullion as 8587, the output of 1,879,390 ounces, as shown by the Export and Mint Returns, would give the output of the State for 1901 as 1,613,832 ounces fine; and the amount of 1,841,498 ounces, reported to the Mines Department, as 1,581,294 ounces fine.

TABLE VII.

Return of Gold Bullion entered for EXPORT to the 31st December, 1901, showing the Quantity obtained from the respective Goldfields and the estimated Value thereof.

Year.	Month.	Kimberley.	Pilbarra.	<sup>a</sup> West Pilbarra.	Ashburton.	<sup>b</sup> Gascoyne.	<sup>c</sup> Peak Hill.	<sup>c</sup> East Murchison.	Murchison.	<sup>d</sup> Yalgoo.	<sup>c</sup> Mt. Margaret.	<sup>e</sup> North Coolgardie.
Previous to 1899	...	ozs. 24,215·30	ozs. 134,897·05	ozs. 2,028·27	ozs. 4,290·42	ozs. ...	ozs. 18,846·85	ozs. 49,017·16	ozs. 413,896·63	ozs. 5,790·61	ozs. 51,952·42	ozs. 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	...	32·60	9,646·63	584·35	50·10	...	10,650·78	26,319·76	60,156·46	517·05	73,774·55	17,505·24
1901	January	...	...	...	8·50	...	...	2,288·20	7,905·19	...	5,653·24	509·25
	February	...	...	...	...	...	34·55	2,167·14	8,039·49	...	5,796·57	171·54
	March	...	...	...	...	7·27	1·10	2,126·70	7,148·04	...	5,565·23	368·89
	April	...	29·37	...	...	...	23·50	2,658·75	7,670·45	6·75	6,228·61	322·72
	May	...	...	...	...	...	171·95	2,553·40	8,887·91	...	6,018·76	245·20
	June	...	...	...	...	...	...	3,892·70	8,563·07	...	7,384·91	631·69
	July	...	10·50	...	...	...	...	595·90	3,968·98	...	98·41	829·89
	August	...	...	...	...	...	11·70	3,572·30	9,995·88	...	4,952·17	1,833·65
	September	...	...	...	...	...	...	3,193·10	9,911·90	...	7,775·42	644·15
	October	...	...	...	...	...	...	3,669·17	10,636·56	...	9,771·04	261·16
	November	...	...	...	...	...	13·00	3,413·95	9,256·49	75	6,220·59	830·15
	December	...	...	86·48	...	...	...	2,725·85	9,690·25	...	6,638·84	656·50
	Total	25,062·26	164,580·55	4,654·61	4,588·52	340·34	45,474·77	146,005·67	644,564·69	12,004·69	262,736·29	248,061·36

Year.	Month.	<sup>f</sup> Broad Arrow.	<sup>e</sup> North-East Coolgardie.	<sup>e</sup> East Coolgardie.	<sup>g</sup> Coolgardie.	Yilgarn.	<sup>h</sup> Dundas.	<sup>i</sup> Donnybrook.	Goldfields generally.	Total.	
										Quantity.	Value.*
Previous to 1899	...	ozs. 28,790·71	ozs. 162,259·49	ozs. 835,636·57	ozs. 531,104·38	ozs. 211,424·88	ozs. 56,311·19	ozs. ...	ozs. ...	ozs. 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	...	33,484·49	11,626·00	671,061·18	68,174·20	769·59	9,104·36	...	6,309·93	999,767·27	3,799,115 12 6
1901	January	2,888·82	34·00	51,144·77	1,913·83	17·50	361·33	...	...	72,724·63	279,989 16 6
	February	...	4,374·76	63,319·90	1,389·73	3·57	615·17	...	...	85,912·42	330,762 16 4
	March	703·60	69·80	58,225·69	854·66	6·25	463·69	...	...	75,535·92	290,813 5 10
	April	1,039·02	422·81	66,437·49	1,972·93	1·47	582·08	...	23·63	87,420·18	336,567 13 10
	May	963·75	9·22	66,608·39	855·77	...	472·13	...	...	86,786·48	334,127 19 0
	June	962·20	201·95	71,367·16	722·58	3·40	413·48	...	13·99	94,157·13	362,504 19 0
	July	1,084·14	1,398·06	59,541·26	673·54	...	470·03	...	19·23	68,689·94	264,456 5 4
	August	...	429·15	81,452·42	432·44	8·25	550·81	...	...	103,236·77	397,469 5 4
	September	1,056·34	378·26	66,801·96	682·58	3·50	446·41	...	...	90,893·62	349,940 8 9
	October	730·15	113·19	59,669·28	229·24	4·42	677·17	...	...	85,761·38	330,181 6 3
	November	448·95	69·70	64,476·58	73·10	2·10	518·65	...	...	85,324·01	328,497 8 9
	December	398·68	...	61,109·99	774·07	3·77	399·55	...	181·36	82,665·34	318,261 11 2
	Total	108,571·64	245,856·67	3,167,419·01	723,411·89	219,983·04	116,077·37	309·94	6,548·14	6,146,251·45	23,406,710 19 11

\* To 1900 at £3 16s. per oz.; 1901 at £3 17s. per oz.  
d. Prior to 1st April, 1897, included with Murchison.

a. Prior to 1st May, 1898, included with Pilbarra.  
e. Prior to 1st May, 1896, included with Coolgardie.  
with Yilgarn. h. Prior to 1893 included with Yilgarn.

b. Prior to 1st March, 1899, included with Ashburton.  
f. From 1st September, 1897.  
i. From 1st March, 1899.

c. From 1st August, 1897.  
g. Declared 5th April, 1894, to which date included

TABLE VIII.

Return of Gold Bullion received at the Perth Branch of the ROYAL MINT from May, 1899, to 31st December, 1901, showing the Quantity obtained from the respective Goldfields and other Countries, and the Actual Value thereof.

Year.	Month.	Kimberley.	Pilbarra.	West Pilbarra.	Ashburton.	Gascoyne.	Peak Hill.	East Murchison.	Murchison.	Yalgoo.	Mt. Margaret.	North Coolgardie.	Broad Arrow.	North-East Coolgardie.
1889	...	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. 44,779.38	ozs. 8,503.50	ozs. 16,700.90
1900	...	644.02	7,493.88	137.33	474.26	86.10	18,019.08	32,049.74	48,540.12	8,851.52	67,748.45	88,688.14	14,376.10	40,503.12
1901	January	18.56	2,433.08	197.92	...	...	1,197.10	5,022.37	3,004.96	1,236.39	12,261.12	10,862.08	2,060.16	3,087.87
	February	26.00	30.06	...	...	...	1,078.46	2,884.03	3,972.09	612.80	7,596.35	8,575.36	1,253.09	1,611.85
	March	14.36	352.56	...	...	...	1,627.26	3,452.55	2,503.30	509.38	7,850.77	8,474.55	1,290.82	2,652.40
	April	19.85	2,736.79	...	...	...	1,828.32	2,569.59	2,698.43	738.08	8,523.91	10,140.34	1,787.15	2,902.02
	May	199.81	249.22	...	...	...	1,444.11	3,494.98	4,638.68	403.20	7,941.95	9,708.51	1,416.78	3,529.10
	June	66.36	40.88	...	13.10	18.56	1,532.01	2,433.36	2,680.47	601.29	12,520.27	12,817.02	1,797.59	3,640.58
	July	142.08	93.20	...	...	...	1,929.62	5,255.37	8,752.23	714.61	16,721.26	11,415.01	2,244.85	3,245.97
	August	17.72	234.02	21.44	18.00	...	2,439.85	2,472.46	2,751.94	926.76	9,108.68	10,463.88	829.17	3,942.54
	September	25.97	2,074.09	32.20	...	...	1,636.44	5,313.10	2,571.93	935.89	9,464.44	14,342.46	431.35	4,126.86
	October	52.98	496.23	52.18	...	...	1,971.46	3,407.13	3,073.21	792.60	8,663.73	12,518.26	2,010.08	5,183.46
	November	...	2,517.29	...	24.32	...	2,307.61	5,123.54	3,322.37	734.75	10,783.67	12,171.54	1,639.37	4,150.72
	December	79.68	22.51	90.64	...	...	2,359.43	3,318.20	3,055.04	985.26	15,267.76	14,004.30	2,068.72	4,982.26
	Total	1,615.84	19,303.61	531.71	811.48	190.31	55,644.75	80,554.69	116,240.41	23,232.58	211,363.90	268,960.83	41,708.73	100,259.65

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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.	Quantity.	Actual Value.								
1889	...	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. 11	d. 6	ozs. 103.46	£ 336	s. 18	d. 3	ozs. 209,409.70	£ 762,883	s. 9	d. 9
1900	...	139,845.60	51,607.26	28,648.51	31,583.20	265.55	1,620.93	581,182.91	2,096,212	14	2	17.49	44	15	7	581,200.40	2,096,257	9	9
1901	January	13,179.45	5,356.10	2,881.39	3,120.86	...	52.83	65,972.24	233,516	10	6	19.10	61	5	0	65,991.34	233,577	15	6
	February	8,662.09	6,461.10	3,939.20	2,782.84	1.67	97.91	49,584.90	171,735	11	6	...	...	...	...	49,584.90	171,735	11	6
	March	13,198.19	5,143.29	1,973.35	2,966.80	1.35	298.72	52,309.65	184,085	16	10	...	...	...	...	52,309.65	184,085	16	10
	April	16,551.67	6,546.57	2,976.43	2,444.18	...	134.98	62,598.31	217,517	1	11	...	...	...	...	62,598.31	217,517	1	11
	May	12,899.17	6,642.44	2,105.22	2,495.75	...	132.02	57,300.94	201,350	5	4	...	...	...	...	57,300.94	201,350	5	4
	June	15,660.25	8,304.46	2,426.45	3,076.58	...	181.09	67,810.32	243,112	6	9	...	...	...	...	67,810.32	243,112	6	9
	July	28,799.20	6,807.97	2,833.71	2,597.61	...	51.57	91,604.45	324,551	5	8	...	...	...	...	91,604.45	324,551	5	8
	August	13,856.98	5,831.37	2,252.35	3,234.63	...	129.97	58,531.76	208,222	8	5	...	...	...	...	58,531.76	208,222	8	5
	September	33,649.53	8,045.58	2,013.95	2,476.78	1.62	259.86	87,402.05	305,230	6	1	40.95	125	18	5	87,443.00	305,356	4	6
	October	33,602.16	6,882.42	1,986.39	2,697.12	...	119.31	83,508.72	295,131	1	7	...	...	...	...	83,508.72	295,131	1	7
	November	36,087.51	5,557.81	2,163.00	2,512.92	...	60.89	89,157.31	315,449	8	2	10.81	41	14	0	89,168.12	315,491	2	2
	December	37,368.55	6,446.96	1,882.40	2,419.68	...	148.64	94,500.03	333,408	17	7	21.39	68	8	3	94,521.42	333,477	5	10
	Total	436,411.68	157,244.57	67,153.05	64,882.58	466.36	4,193.11	1,650,769.84	5,892,070	6	0	213.20	678	19	6	1,650,983.04	5,892,749	5	6

**TABLE IX.**

*Comparative Return of Gold Bullion entered for EXPORT and received at the Perth Branch of the ROYAL MINT, from 1st January, 1899, to 31st December, 1901, showing the Quantity obtained each Month and the estimated Fine Contents thereof.*

MONTH.	1899.				1900.				1901.			
	Customs.	Royal Mint.	TOTAL.		Customs.	Royal Mint.	TOTAL.		Customs.	Royal Mint.	TOTAL.	
			Gross Weight.	Fine Contents.			Gross Weight.	Fine Contents.			Gross Weight.	Fine Contents.
	ozs.	ozs.	ozs.	ozs.	ozs.	ozs.	ozs.	ozs.	ozs.	ozs.	ozs.	ozs.
JANUARY ... ..	110,090·04	...	110,090·04	98,486·05	115,065·13	28,754·72	143,819·85	128,660·58	72,724·63	65,972·24	138,696·87	125,710·19
FEBRUARY ... ..	100,565·09	...	100,565·09	89,965·07	86,362·85	31,486·37	117,849·22	105,427·38	85,912·42	49,584·90	135,497·32	122,810·22
MARCH ... ..	106,098·64	...	106,098·64	94,915·36	72,525·30	53,524·20	126,049·50	112,763·31	75,535·92	52,309·65	127,845·57	115,874·94
<i>1st January to 31st March</i> ...	316,753·77	...	316,753·77	283,366·48	273,953·28	113,765·29	387,718·57	346,851·27	234,172·97	167,866·79	402,039·76	364,395·35
APRIL ... ..	116,466·37	...	116,466·37	104,190·29	77,859·48	35,646·81	113,506·29	101,542·21	87,420·18	62,598·31	150,018·49	135,971·73
MAY ... ..	109,676·32	4,947·77	114,624·09	102,542·19	81,847·81	38,464·72	120,312·53	107,631·05	86,786·48	57,300·94	144,087·42	130,596·01
JUNE ... ..	149,979·18	11,982·94	161,912·12	144,845·85	85,205·72	51,561·52	136,767·24	122,351·35	94,157·13	67,810·32	161,967·45	146,801·86
<i>1st January to 30th June</i> ...	692,875·64	16,880·71	709,756·35	634,944·81	518,866·29	239,438·34	758,304·63	678,375·88	502,536·76	355,576·36	858,113·12	777,764·95
JULY ... ..	99,533·16	38,398·78	137,931·94	123,398·29	64,192·96	49,408·90	113,601·86	101,627·71	68,689·94	91,604·46	160,294·40	145,285·47
AUGUST ... ..	103,076·30	42,321·55	145,397·85	130,072·26	73,598·71	57,886·85	131,485·56	117,626·39	103,238·77	58,531·76	161,770·53	146,623·38
SEPTEMBER ... ..	138,078·89	28,996·83	167,075·22	149,464·73	87,726·19	60,579·27	148,305·46	132,673·39	90,893·62	87,402·05	178,295·67	161,601·21
<i>1st January to 30th September</i>	1,033,563·99	126,597·37	1,160,161·36	1,037,875·09	744,384·15	407,313·36	1,151,697·51	1,030,303·37	765,359·09	593,114·63	1,358,473·72	1,231,275·01
OCTOBER ... ..	178,483·14	26,703·77	205,186·91	183,559·28	84,561·72	48,724·24	133,285·96	119,237·01	85,761·38	83,508·72	169,270·10	153,420·74
NOVEMBER ... ..	115,826·81	24,040·78	139,867·59	125,124·91	83,258·96	63,376·12	146,635·08	131,179·08	85,324·01	89,157·31	174,481·32	158,144·02
DECEMBER ... ..	106,696·54	31,964·32	138,660·86	124,045·38	87,562·44	61,769·19	149,331·63	133,591·40	82,665·34	94,500·03	177,165·37	160,576·75
<b>Total</b> ...	<b>1,434,570·48</b>	<b>209,306·24</b>	<b>1,643,876·72</b>	<b>1,470,604·66</b>	<b>999,767·27</b>	<b>581,182·91</b>	<b>1,580,950·18</b>	<b>1,414,310·86</b>	<b>1,019,109·82</b>	<b>860,280·69</b>	<b>1,879,390·51</b>	<b>1,703,416·52</b>



TABLE X.

Return of Gold Bullion entered for EXPORT and received at the Perth Branch of the ROYAL MINT, from 1st January, 1886, to 31st December, 1901, showing the Quantity obtained, each Year, from the respective Goldfields, the estimated Fine Contents thereof, and the Total Annual Value.

YEAR.	KIMBERLEY.		PILBARRA.		a WEST PILBARRA.		ASHBURTON.		b GASCOYNE.		c PEAK HILL.		c EAST MURCHISON.		MURCHISON.		d YALGOO.		c MT. MARGARET.		e NORTH COOLGARDIE.	
	Gross Weight.	Fine Contents.	Gross Weight.	Fine Contents.	Gross Weight.	Fine Contents.	Gross Weight.	Fine Contents.	Gross Weight.	Fine Contents.	Gross Weight.	Fine Contents.	Gross Weight.	Fine Contents.	Gross Weight.	Fine Contents.	Gross Weight.	Fine Contents.	Gross Weight.	Fine Contents.	Gross Weight.	Fine Contents.
1886	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1887	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1888	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1889	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1890	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1891	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1892	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1893	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1894	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1895	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1896	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1897	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1898	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1899	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1900	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1901	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total	26,678.10	23,373.92	183,384.16	164,635.19	5,186.32	4,645.32	5,400.00	4,831.57	530.65	475.02	101,119.52	90,715.41	226,560.36	203,593.35	760,805.10	682,315.98	35,237.27	31,631.38	474,100.19	426,468.04	517,022.19	464,206.58

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YEAR.	f BROAD ARROW.		e NORTH-EAST COOLGARDIE.		e EAST COOLGARDIE.		g COOLGARDIE.		YILGARN.		h DUNDAS.		i DONNYBROOK.		GOLDFIELDS GENERALLY.		GRAND TOTAL.		* Value.		
	Gross Weight.	Fine Contents.	Gross Weight.	Fine Contents.	Gross Weight.	Fine Contents.	Gross Weight.	Fine Contents.	Gross Weight.	Fine Contents.	Gross Weight.	Fine Contents.	Gross Weight.	Fine Contents.	Gross Weight.	Fine Contents.	Gross Weight.	Fine Contents.			
1886	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
1887	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
1888	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
1889	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
1890	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
1891	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
1892	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
1893	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
1894	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
1895	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
1896	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
1897	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
1898	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
1899	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
1900	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
1901	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
Total	150,280.37	134,782.72	346,116.32	310,229.19	3,603,330.69	3,236,137.91	880,656.46	788,874.19	287,136.09	257,217.75	180,959.95	162,342.62	776.30	694.52	10,741.25	9,631.52	7,797,021.29	6,997,302.18	29,722,650	8	6

a Prior to 1st May, 1893, included with Pilbarra. b Prior to 1st March, 1899, included with Ashburton. c From 1st August, 1897. d Prior to 1st April, 1897, included with Murchison. e Prior to 1st May, 1896, included with Coolgardie. f From 1st September, 1897. g Declared 5th April, 1894, to which date included with Yilgarn. h Prior to 1893, included with Yilgarn. i From 1st March, 1899. \* To 1900, at £3 16s. per oz.; 1901, at £3 17s. per oz.

PART II.—MINERALS OTHER THAN GOLD.

TABLE XI.

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 1901 and previous years.

YEAR.	MONTH.	SILVER.				BLACK TIN.				COPPER ORE.											
		Ashburton Gf.		Greenbushes M.D.		Marble Bar D.		Total.		Day Dawn D.		Mt. Malcolm D.		Northampton M.D.		Phillips River Gf.		West Pilbarra Gf.		Total.	
		Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.
Previous to 1899	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1899	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1900	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1901	January	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Do.	February	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Do.	March	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Do.	April	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Do.	May	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Do.	June	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Do.	July	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Do.	August	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Do.	September	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Do.	October	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Do.	November	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Do.	December	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Total	356'26	43	2,624'61	136,146	933'80	56,353	3,558'41	192,499	15'65	167	12,472'00	75,794	174'50	2,399	1,319'89	18,989	12,340'00	112,778	26,322'04	210,127

YEAR.	MONTH.	IRONSTONE.						LEAD ORE.						COAL.		LIMESTONE.						DIAMONDS.	
		West Pilbarra Gf.		State generally.		Total.		Ashburton Gf.		Northampton M.D.		Total.		Collie River Coal M.D.		Yilgarn Gf.		State generally.		Total.		Nullagine D.	
		Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.
Previous to 1899	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
1899	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
1900	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
1901	January	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Do.	February	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Do.	March	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Do.	April	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Do.	May	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Do.	June	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Do.	July	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Do.	August	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Do.	September	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Do.	October	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Do.	November	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Do.	December	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Total	100'00	300	45,672'00	31,443	45,772'00	31,743	9'09	109	350'75	1,445	359'84	1,554	294,089'90	151,108	1,911'85	1,192	49,818'00	9,588	51,729'85	10,780	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.**

**SILVER.**

*Quantity and Value of SILVER reported to the Mines Department during 1901.*

Goldfield, District, or Mining District.	Locality.	Number of Lease.	Registered Name of Company or Mine.	1901.					1900.		Previous to 1900.		Total to date.		Remarks.
				Month.	Quantity.	Value.	Total.		Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	
							Quantity.	Value.							
Ashburton Gf. ... ..	... ..	3	Rainbow Silver Mine ...	...	ozs. ...	£ ...	ozs. 356.26	£ 43	ozs. ...	£ ...	ozs. ...	£ ...	ozs. 356.26	£ 43	
				Total	...	...	356.26	43	...	...	...	...	356.26	43	

**TABLE XIII.**  
**BLACK TIN.**

*Quantity and Value of BLACK TIN, reported monthly to the Mines Department during 1901, together with the totals for 1900 and previous years, and the Total Output to date.*

Goldfield, District, or Mining District.	Locality.	Number of Lease.	Registered Name of Company or Mine.	1901.				1900.		Previous to 1900.		Total to date.		Remarks.	
				Month.	Quantity.	Value.	Total.		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 ...	February	·85	59	...	...	...	...	·80	50	·80	50	
				March	·89	54									
				April	·47	24									
				May	·20	13									
				September	1·00	61									
				October	1·50	90									
				November	·65	42									
Do ...	do ...	(21)	(Horan's No. 1 West) ...	...	...	...	5·56	343	·05	3	...	...	5·61	346	
Do ...	do ...	35	Horan's ...	January	3·50	260	...	...	...	...	·10	12	·10	12	
				February	3·50	225									
				March	3·00	210									
				April	4·00	280									
				May	1·50	105									
				June	2·00	140									
				July	2·00	140									
				August	1·00	70									
Do ...	do ...	(48)	(Olympia) ...	...	...	...	20·50	1,430	42·85	3,315	125·00	6,860	188·35	11,605	
Do ...	do ...	56	Amanda ...	...	...	...	...	...	·40	23	1·00	90	1·00	90	
Do ...	do ...	(58)	(Queen's Birthday) ...	...	...	...	...	...	...	23	·45	29	·85	52	
Do ...	do ...	73	Nelson ...	August	2·00	120	...	...	...	...	1·20	82	1·20	82	
				September	1·80	108									
Do ...	do ...	(76)	(Caledonian) ...	...	...	...	3·80	228	3·60	210	15·00	1,237	22·40	1,675	
Do ...	do ...	(90)	(Berkshire) ...	...	...	...	...	...	6·16	400	1·90	142	8·06	542	
Do ...	do ...	(93)	(Queen Victoria Tin Mining Syndicate)	...	...	...	...	...	·34	17	...	...	·34	17	
Do ...	do ...	(105)	(Greenbushes Tinfields, Ltd.)	...	...	...	...	...	...	...	·30	15	·30	15	
Do ...	do ...	(110)	(Victoria) ...	...	...	...	...	...	...	...	1·00	120	1·00	120	
Do ...	do ...	147	Haphazard ...	January	·75	40	...	...	·25	20	...	...	·25	20	
				April	·99	53									
				July	1·00	60									
				September	·50	30									
				...	...	...	3·24	183	2·05	130	...	...	5·29	313	

Do ...	...	154	North Junction ...	February	.15	9															
Do ...	...	156 (17, 24)	Caledonia Tin Mine, N.L.	June ...	.86	57	.15	9	.20	12	...	...					.35	21			
				December	1.40	70															
Do ...	Do ...	166	(Glasgow)	...	...	...	2.26	127	...	...	...	...	...	...	...		2.26	127			
Do ...	Do ...	169	Horan's No. 1 North	January	1.25	100	...	...	.47	33	...	...					.47	33			
				February	1.00	70															
				March ...	1.00	70															
				April ...	1.00	70															
				May ...	.75	52															
				June ...	1.00	70															
				July ...	1.00	70															
Do ...	Do ...	179	Ironclad ...	...	...	...	7.00	502	2.50	182	...	...					9.50	684			
Do ...	Do ...	182/5, 224	Westralian Tinfields, Ltd.	August	.50	30	...	...	.45	30	...	...					.45	30			
				September	1.75	100															
				October	1.25	80															
Do	Do	188/9, 190/9, 200, 202/9, 210/1, 213, 236, 250, 260/1	Imperial leases	September	1.15	64	3.50	210	...	...	...	...					3.50	210			
				October	1.25	80															
				November	1.25	65															
Do ...	Do ...	214	Aqua ...	June ...	.10	7	3.65	209	...	...	...	...					3.65	209			
				July ...	.60	42															
				August	.15	8															
				October	1.00	54															
				November	.80	46															
				December	.50	26															
...	Do ..	217 (146)	Glencoe ...	February	.03	2	3.15	183	...	...	...	...					3.15	183			
				September	.50	25															
				October	.50	28															
				November	1.75	98															
Do ...	Do ...	218	W.A. Mt. Bischoff	August	2.85	200	2.78	153	.19	13	...	...					2.97	166			
				September	1.75	102															
Do ...	Do ...	(219)	(Wheal Fortune)	January	.10	7	4.60	302	...	...	...	...					4.60	302			
				February	.10	6															
Do ...	do ...	222	Homeward Bound	March ...	4.21	265	.20	13	...	...	...	...					.20	13			
				April ...	1.25	75															
				May ...	2.60	182															
				August...	.60	30															
				September	.75	45															
...	do ...	225	Redruth Extended	October...	.50	30	9.41	597	...	...	...	...					9.41	597			
							.50	30	...	...	...	...					.50	30			
			Carried forward	...	...	...	70.30	4,519	59.51	4,388	146.75	8,637	276.56	17,544							

TABLE XIII.—Quantity and Value of BLACK TIN, reported monthly to the Mines Department during 1901, together with the totals for 1900, etc.—continued.

Goldfield, District, or Mining District.	Locality.	Number of Lease.	Registered Name of Company or Mine.	1901.					1900.		Previous to 1900.		Total to date.		Remarks.
				Month.	Quantity.	Value.	Total.		Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	
							Quantity.	Value.							
			Brought forward ...	...	tons. ...	£ ...	tons. 70·30	£ 4,519	tons. 59·51	£ 4,388	tons. 146·75	£ 8,637	tons. 276·56	£ 17,544	
Greenbushes	Greenbushes	234, (166)	Glasgow ...	December	·17	9	·17	9	...	...	...	...	·17	9	
Do ...	do ...	245/6	Windsor leases ...	December	1·00	60	1·00	60	...	...	...	...	1·00	60	
Do ...	do ...	247, 264/8	Homeward Bound Tin Mining Syndicate, N.L.	October...	·20	8	·20	8	...	...	...	...	·20	8	
Do ...	do ...	257, 273	Dixie leases ...	November December	1·30 1·85	69 118	3·15	187	...	...	...	...	3·15	187	
Do ...	do ...	...	Sundry claims ...	January February March ... April ... May ... June ... July ... August... September October... November December	23·83 22·30 9·09 9·71 9·39 20·81 45·45 32·91 15·38 8·97 14·53 34·15	1,399 1,360 526 567 589 1,260 2,495 1,798 871 524 814 1,866	246·52	14,069	376·11	25,140	1,720·90	79,129	2,343·53	118,338	
Marble Bar D.	Marble Bar	(5)	(Swan) ...	...	...	...	...	...	17·50	1,142	8·50	575	26·00	1,717	
Do ...	do ...	(6)	(Victoria) ...	...	...	...	...	...	...	...	1·50	113	1·50	113	
Do ...	do ...	{ 10, 12, 15, } { 18, (31) }	Universal leases ...	...	...	...	...	...	46·60	4,071	5·10	309	51·70	4,380	
Do ...	do ...	(11)	(Mandalay) ...	...	...	...	...	...	1·10	71	...	...	1·10	71	
Do ...	do ...	(13)	(Lady Vosper) ...	...	...	...	...	...	32·15	1,862	...	...	32·15	1,862	
Do ...	do ...	(19)	(Carbine) ...	...	...	...	...	...	...	...	2·00	100	2·00	100	
Do ...	do ...	20/1, 23	O.K. leases ...	January May ... June ... July ... August... September October November	5·50 10·25 6·50 2·00 10·00 4·00 6·00 8·50	425 513 325 100 500 200 285 404	52·75	2,752	39·05	2,486	11·20	795	103·00	6,033	
Do ...	do ...	(22)	(Marble Bar Tin Syndicate)	January February March ...	3·00 4·75 2·50	180 330 180	10·25	690	18·00	1,242	14·00	1,030	42·25	2,962	

Do ...	do ...	(29)	(Three Jacks) ...	...	...	...	...	...	...	2-25	158	...	...	2-25	158
Do ...	do ...	(39, 40/2)	(Singapore leases)	...	...	...	...	...	...	4-00	300	2-75	124	6-75	424
Do ...	do ...	43/4	Huntsman leases	...	...	...	...	...	...	...	...	...	...	...	...
				...	January	1-50	122								
				...	February	2-00	100								
				...	March ...	2-50	125								
				...	May ...	1-75	87								
				...	June ...	2-00	100								
				...	July ...	1-50	75								
				...	August...	1-00	50								
				...	September	1-50	75								
				...	October	1-25	60								
				...	November	2-50	119								
				...	December	2-00	95								
				...				19-50	1,008	8-00	502	...	...	27-50	1,510
Do ...	do ...	45	Independent ...	...	...	...	...	...	...	15-00	922	...	...	15-00	922
Do ...	do ...	(46)	(Old Sportsman)	...	June ...	1-00	60								
				...	July ...	1-00	50								
				...	August...	1-00	50								
				...	September	1-00	60								
				...				4-00	220	12-33	740	4-75	235	21-08	1,195
Do ...	do ...	...	Sundry claims ...	...	January	22-00	1,172								
				...	February	27-00	1,350								
				...	March ...	22-30	1,163								
				...	April ...	34-13	1,685								
				...	May ...	39-75	1,890								
				...	June ...	28-45	1,422								
				...	July ...	21-50	1,075								
				...	August...	47-45	2,372								
				...	September	21-60	1,044								
				...	October	22-30	1,097								
				...	November	20-65	1,007								
				...	December	19-35	1,201								
				...				326-48	16,478	191-89	13,678	83-15	4,750	601-52	34,906
				...	Total ...	...	...	734-32	40,000	823-49	56,702	2,000-60	95,797	3,558-41	192,499



**TABLE XIV.**  
**COPPER ORE.**

*Quantity and Value of COPPER ORE reported monthly to the Mines Department during 1901, together with the totals for 1900 and previous years, and the Total Output to date.*

Goldfield, District, or Mining District.	Locality.	Number of Lease.	Registered Name of Company or Mine.	1901.				1900.		Previous to 1900.		Total to date.		Remarks.	
				Month.	Quantity.	Value.	Total.		Quantity.	Value.	Quantity.	Value.	Quantity.		Value.
							Quantity.	Value.							
Day Dawn D. ...	Day Dawn ...	2d	San Diego ... ..	September	tons 10·50	£ 76	tons ...	£ ...	tons ...	£ ...	tons ...	£ ...	tons ...	£ ...	Returned 1·20 tons Metallic Copper
Mt. Malcolm D. ...	Murrin Murrin	6c	Butte City ... ..	January ...	20·00	156	...	...	...	...	...	...	...	...	Returned 2·00 tons Metallic Copper
				October ...	50·00	165	...	...	...	...	...	...	...	...	" 3·00 " " "
Do. ...	do ...	10c	Mt. Malcolm ... ..	January ...	430·00	3,014	...	...	...	...	...	...	...	...	Returned 39·55 tons Metallic Copper
				February ...	810·00	4,945	...	...	...	...	...	...	...	...	" 62·60 " " "
				March ...	840·00	5,249	...	...	...	...	...	...	...	...	" 67·30 " " "
				April ...	600·00	3,420	...	...	...	...	...	...	...	...	" 45·00 " " "
				May ...	620·00	3,720	...	...	...	...	...	...	...	...	" 49·60 " " "
				June ...	650·00	2,678	...	...	...	...	...	...	...	...	" 35·25 " " "
				July ...	380·00	1,507	...	...	...	...	...	...	...	...	" 20·10 " " "
				August ...	180·00	1,380	...	...	...	...	...	...	...	...	" 18·40 " " "
				September ...	880·00	3,850	...	...	...	...	...	...	...	...	" 55·00 " " "
				October ...	910·00	4,485	...	...	...	...	...	...	...	...	" 69·00 " " "
				November ...	580·00	3,069	...	...	...	...	...	...	...	...	" 46·50 " " "
				December ...	710·00	3,100	...	...	...	...	...	...	...	...	" 62·00 " " "
							7,590·00	40,417	3,950·00	23,253	22·00	232	11,562·00	63,902	
Northampton M.D.*	Geraldine ...	10, 11	Geraldine leases ... ..	August ...	10·00	60	...	...	...	...	...	...	...	...	Returned 3 tons Metallic Copper
				September	10·00	45	...	...	...	...	...	...	...	...	" 3 " " "
				October ...	10·00	45	...	...	...	...	...	...	...	...	" 3 " " "
				December	8·50	127	...	...	...	...	...	...	...	...	Assay, 30 per cent.
							38·50	277	...	...	*98·00	1,715	136·50	1,992	*Returned 24·50 tons Metallic Copper, and 490ozs. Silver; value, £55 2s. 6d.
Yandanooka M.D.	Arrino ...	(5)	(Wheal Dodd) ... ..	...	...	...	...	...	...	...	10·00	80	10·00	80	
Do. ...	Yandanooka ...	(3, 4)	(Arrino leases) ... ..	...	...	...	...	...	...	...	25·00	300	25·00	300	
Do. ...	do. ...	(7)	(Lady Bertha) ... ..	...	...	...	...	...	...	...	3·00	27	3·00	27	
Phillips River Gf.	Harbour View	52	Harbour View ... ..	June ...	5·00	*	...	...	...	...	...	...	...	...	*Copper not extracted; Gold, 8·65ozs.
					5·00	79	...	...	...	...	...	...	...	...	Returned 1·20 tons Metallic Copper, 9·97ozs. Gold; value, £37 18s. 2d., and 31·50ozs. Silver; value, £3 10s. 2d.
				July ...	59·70	824	...	...	...	...	...	...	...	...	Returned 12·70 tons Metallic Copper, 106·84ozs. Gold; value, £427 7s. 2d., and 300ozs. Silver; value, £30.
				August ...	31·50	383	...	...	...	...	...	...	...	...	Returned 6·00 tons Metallic Copper, and 46·57ozs. Gold; value, £186 6s. 2d.

				October ...	108'00	1,138	...	...	...	...	...	...	...	Returned 18'00 tons Metallic Copper, and 197'39ozs. Gold; value, £789 11s. 5d.							
Do.	...	do.	...	60	Red, White, and Blue	...	...	...	...	...	...	...	209'20	2,424	23'00	469	...	232'20	2,893	Assay, 25 per cent.	
Do.	...	Mt. Desmond...	...	106	Elverton South	...	...	...	...	...	...	...	10'75	196	...	...	...	10'75	196	Returned 4'75 tons Metallic Copper.	
Do.	...	do.	...	104	Marnoo	...	...	...	...	...	...	...	18'70	260	...	...	...	18'70	260	Returned '88 tons Metallic Copper.	
Do.	...	do.	...	107	Mountain View	...	...	...	...	...	...	...	4'25	58	...	...	...	4'25	58	Returned '88 tons Metallic Copper.	
Do.	...	do.	...	109	Mt. Desmond	...	...	...	...	...	...	...	June ...	4'00	104	...	...	...	...	Assay, 37 per cent.	
Do.	...	do.	...	109	Mt. Desmond	...	...	...	...	...	...	...	November	5'50	90	...	...	...	...	Returned 1'50 tons Metallic Copper.	
Do.	...	do.	...	95	Phillips River Options Syndicate., N.L.	...	...	...	...	...	...	...	October ...	23'00	350	...	...	...	...	Returned 5 tons Metallic Copper, and 1'50 ozs. Gold.	
Do.	...	do.	...	95	Phillips River Options Syndicate., N.L.	...	...	...	...	...	...	...	February ...	48'00	1,005	...	...	...	...	Assay, 33'15 per cent.	
													May ...	235'75	4,125	...	...	...	...	Returned 58'94 tons Metallic Copper.	
													June ...	73'00	1,250	...	...	...	...	" 18'25 " " "	
													August ...	238'00	3,544	...	...	...	...	" 46 " " "	
													September ...	32'00	486	...	...	...	...	" 7 " " "	
													October ...	46'00	702	...	...	...	...	" 10 " " "	
													November	81'00	1,100	...	...	...	...	" 18 " " "	
Do	...	do	...	87	Welcome Stranger	...	...	...	...	...	...	...	753'75	12,212	...	...	...	753'75	12,212	Assay, 22 per cent.	
Do	...	Mt. Stennett...	...	108	Mt. Stennett	...	...	...	...	...	...	...	September	4'00	55	...	...	...	4'00	55	Returned 6 tons Metallic Copper, and 4oz. Gold.
Do	...	Ravensthorpe	...	21	Floater	...	...	...	...	...	...	...	October ...	32'00	430	...	...	...	32'00	430	Returned 1 per cent. Metallic Copper, and 112'19ozs. Gold; value, £448 15s. 9d.
Do	...	do	...	110	Grimsby	...	...	...	...	...	...	...	February	49'19	30	...	...	...	49'19	30	Assay, 18 per cent.
Do	...	do	...	(10)	(Kingston)	...	...	...	...	...	...	...	October ...	1'40	16	...	...	...	1'40	16	Returned 3'15 tons Metallic Copper, 5ozs. Gold, and 24ozs. Silver.
Do	...	do	...	116	Last Chance	...	...	...	...	...	...	...	...	...	...	...	...	...	11'00	256	Returned 3'75 tons Metallic Copper.
Do	...	do	...	120	Last Chance Proprietary	...	...	...	...	...	...	...	November	13'50	223	...	...	...	13'50	223	Returned '50 tons Metallic Copper.
Do	...	do	...	16	Marion Martin	...	...	...	...	...	...	...	November	3'50	35	...	...	...	3'50	35	Assay, 21 per cent.
Do	...	do	...	7	Mary	...	...	...	...	...	...	...	June ...	8'00	98	...	...	...	...	Returned 2 tons Metallic Copper.	
													August ...	16'00	125	...	...	...	...	" 5'75 " " "	
													September	34'00	310	...	...	...	...	" 4'25 " " "	
													October ...	23'00	271	...	...	...	...	...	
Do	...	do	...	7	Mary	...	...	...	...	...	...	...	March ...	7'50	105	...	...	...	75'00	804	Assay, 24 per cent.
													June ...	6'00	78	...	...	...	...	" 24 " "	
													July ...	5'75	83	...	...	...	...	" 21 " "	
													13'65	199	...	...	...	...	" 21 " "		
Do	...	do	...	114	Surprise	...	...	...	...	...	...	...	October ...	5'50	62	...	...	...	32'90	465	Returned 1 ton Metallic Copper.
													October ...	5'50	62	...	...	...	5'50	62	
					Carried forward...	...	...	...	...	...	...	...	...	8,955'14	58,905	4,578'15	31,534	409'00	6,460	13,942'29	96,899

TABLE XIV.—Quantity and Value of COPPER ORE reported monthly to the Mines Department during 1901, together with the totals for 1900, etc.—continued.

Goldfield, District, or Mining District.	Locality.	Number of Lease.	Registered Name of Company or Mine.	1901.					1900.		Previous to 1900.		Total to date.		Remarks.	
				Month.	Quantity.	Value.	Total.		Quantity.	Value.	Quantity.	Value.	Quantity.	Value.		
							Quantity.	Value.								
Phillips River Gf.	Ravensthorpe	46	Brought forward ...	...	tons	£	tons	£	tons	£	tons	£	tons	£	Assay, 94·24 per cent. Returned 6 tons Metallic Copper " 1 ton " "	
			Zealandia ... ..	February ...	4·75	67	8,955·14	58,905	4,578·15	31,534	409·00	6,460	13,942·29	96,899		
			...	September ...	30·00	320	...	...	...	...	...	...	...	...		...
			...	October ...	5·00	63	...	...	...	...	...	...	...	...		...
West Pilbarra Gf.	Croydon ...	(26)	(Croydon) ... ..	...	...	...	...	...	...	...	...	...	...	...		
Do ...	do ...	31	Evelyn ... ..	...	...	...	...	319·00	4,230	134·00	1,363	453·00	5,593	...		
Do ...	Egina ...	3	Egina ... ..	...	...	...	...	62·00	948	468·00	5,623	530·00	6,571	...		
Do ...	Roebourne ...	(14)	(Carlow Castle) ...	...	...	...	...	...	...	133·00	1,991	133·00	1,991	...		
Do ...	do ...	(42)	(Federation) ... ..	...	...	...	...	26·00	468	...	...	26·00	468	...		
Do ...	do ...	49	Glenderry ... ..	August ...	10·00	134	...	...	...	...	...	...	...	Assay, 20 per cent.		
				September ...	6·00	76	...	...	...	...	...	...	...	" 20 "		
				October ...	6·00	77	...	...	...	...	...	...	...	" 20 "		
Do ...	Whim Creek ...	34 (5, 12)	Balla Balla Copper Mines, Ltd.	February	15·00	112	22·00	287	...	...	...	...	22·00	287	Assay, 10 per cent.	
				March ...	15·00	112	...	...	...	...	...	...	...	...	" 10 "	
				September ...	20·00	130	...	...	...	...	...	...	...	...	" 10 "	
				October ...	10·65	65	...	...	...	...	...	...	...	...	" 10 "	
				November ...	8·00	52	...	...	...	...	...	...	...	...	" 10 "	
				December ...	18·00	127	...	...	...	...	...	...	...	...	" 10 "	
Do ...	do ...	10	Rushall's lease ... ..	...	...	...	86·00	598	1,198·00	6,493	725·00	4,945	2,009·00	12,036	...	
Do ...	do ...	33	Stranger ... ..	...	...	...	...	...	...	...	20·00	150	20·00	150	...	
Do ...	do ...	...	Freehold of 100 acres ...	January ...	250·00	3,750	...	...	...	...	10·00	100	10·00	100	Assay, 20 per cent.	
				February	416·00	5,824	...	...	...	...	...	...	...	...	" 20 "	
				March ...	293·00	4,102	...	...	...	...	...	...	...	...	" 20 "	
				April ...	50·00	700	...	...	...	...	...	...	...	...	" 20 "	
				May ...	27·00	378	...	...	...	...	...	...	...	...	" 20 "	
				June ...	18·00	252	...	...	...	...	...	...	...	...	" 20 "	
							1,054·00	15,006	...	...	8,043·00	69,981	9,097·00	84,987	...	
				Total ...	...	...	10,156·89	75,246	6,183·15	43,673	9,982·00	91,208	26,322·04	210,127	...	

**TABLE XV.**  
**IRONSTONE.**

*Quantity and Value of IRONSTONE reported to the Mines Department during 1901, together with the totals for 1900 and previous years, and the Total Output to date.*

Goldfield, District, or Mining District.	Locality.	Number of Lease.	Registered Name of Company or Mine.	1901.					1900.		Previous to 1900.		Total to date.		Remarks.
				Month.	Quantity.	Value.	Total.		Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	
							Quantity.	Value.							
West Pilbarra Gf. ...	Whim Creek	17, 18, 21	Whim Well Copper Mines	...	tons.	£	tons.	£	tons.	£	tons.	£	tons.	£	Ore flux.
East Coolgardie Gf.	Boulder ...	G.M.L. 1490E	Mt. Ferrum ...	September	450·00	247	450·00	247	...	...	100·00	300	100·00	300	
													450·00	247	
	* From State generally :—														
Avon ...	...	...	...	...	...	...	9,972·00	6,983	12,251·00	9,258	...	...	22,223·00	16,241	
Clackline ...	...	...	...	...	...	...	7,422·00	3,930	...	...	1,540·00	1,071	8,962·00	5,001	
Coates' Paddock ...	...	...	...	...	...	...	...	...	...	...	4,712·00	3,277	4,712·00	3,277	
Greenbushes ...	...	...	...	...	...	...	2,725·00	2,086	...	...	2,000·00	1,391	4,725·00	3,477	
Werribee ...	...	...	...	...	...	...	...	...	...	...	4,600·00	3,200	4,600·00	3,200	
<b>Total</b>							<b>20,569·00</b>	<b>13,246</b>	<b>12,251·00</b>	<b>9,258</b>	<b>12,952·00</b>	<b>9,239</b>	<b>45,772·00</b>	<b>31,743</b>	

\* Ore flux received by the Fremantle Smelting Works, Ltd.

**TABLE XVI.**  
**LEAD ORE.**

*Quantity and Value of LEAD ORE reported to the Mines Department during 1901, together with the totals for 1900 and previous years, and the Total Output to date.*

Goldfield, District, or Mining District.	Locality.	Number of Lease.	Registered Name of Company or Mine.	1901.					1900.		Previous to 1900.		Total to date.		Remarks.
				Month.	Quantity.	Value.	Total.		Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	
							Quantity.	Value.							
Ashburton Gf. ...	...	3	Rainbow Silver Mine ...	...	tons.	£	tons.	£	tons.	£	tons.	£	tons.	£	
Northampton M.D. ...	Narra Tarra	...	From locality generally	...	...	...	9·09	109	...	...	...	...	9·09	109	
Do. ...	Northampton	54, etc.	Lady Maud leases ...	...	...	...	...	...	225·00	185	...	...	225·00	185	
Do. ...	do.	62	Yiapa ...	...	...	...	...	...	13·00	153	63·75	700	76·75	853	
Do. ...	Victoria	51	Alma ...	...	...	...	...	...	30·00	195	...	...	30·00	195	
									...	...	19·00	212	19·00	212	
<b>Total</b>							<b>9·09</b>	<b>109</b>	<b>268·00</b>	<b>533</b>	<b>82·75</b>	<b>912</b>	<b>359·84</b>	<b>1,554</b>	

TABLE XVII.

COAL.

Quantity and Value of COAL reported monthly to the Mines Department during 1901, together with the totals for 1900 and previous years, and the Total Output to date.

Goldfield, District, or Mining District.	Locality.	Number of Lease.	Registered Name of Company or Mine.	1901.				1900.		Previous to 1900.		Total to date.		Remarks.	
				Month.	Quantity.	Value.	Total.		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. 3,713·00	£ 1,940	tons.	£	tons.	£	tons.	£	tons.	£	
				February ...	2,035·00	1,073									
				March ...	3,749·00	2,154									
				April ...	3,814·00	2,385									
				May ...	3,953·00	2,490									
				June ...	5,032·00	3,153									
				July ...	2,517·00	1,571									
				August ...	4,839·00	3,032									
				September ...	5,766·00	3,652									
				October ...	8,482·00	5,145									
				November ...	6,236·00	3,747									
				December ...	4,669·00	2,780									
															54,805·00
Do. ...	do. ...	30, etc.	W.A. Collieries and Fire Clay Co., Ltd.	January ...	1,637·00	655	...	...	...	...	...	...	...	...	
				February ...	826·00	330									
				March ...	1,338·00	669									
				April ...	1,235·00	617									
				May ...	1,431·00	715									
				June ...	1,283·00	641									
				July ...	1,005·00	502									
				August ...	1,324·00	861									
				September ...	1,156·00	751									
				October ...	1,532·00	996									
				November ...	...	...									
				December ...	...	...									
															12,767·00
Do. ...	do. ...	82 ...	Westralian Wallsend Col- liery	January ...	5,507·30	2,537	...	...	...	...	...	...	...	...	
				February ...	3,069·05	1,538									
				March ...	4,902·90	2,131									
				April ...	5,003·10	3,005									
				May ...	5,016·70	3,026									
				June ...	4,543·15	2,798									
				July ...	3,125·55	1,931									
				August ...	5,199·15	3,141									
				September ...	5,267·00	3,161									
				October ...	781·70	531									
				November ...	3,640·20	2,327									
				December ...	4,208·00	2,576									
															50,263·80
			Total ...	...	...	117,835·80	68,561	118,410·10	54,835	57,844·00	27,712	294,089·90	151,108		

TABLE XVIII.

LIMESTONE.

Quantity and Value of LIMESTONE reported monthly to the Mines Department during 1901, together with the totals for 1900 and previous years, and the Total Output to date

Goldfield, District, or Mining District.	Locality.	Number of Lease.	Registered Name of Company or Mine.	1901.					1900.		Previous to 1900.		Total to date.		Remarks.
				Month.	Quantity.	Value.	Total.		Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	
							Quantity.	Value.							
Yilgarn Gf.	Southern Cross	4	Southern Cross ... ..	January	40-00	24	tons.	£	...	...	...	...	...	...	Ore flux to Kalgoorlie.
				February	28-00	38	...	...	...	...	...	...	...	...	Returned 17 tons burnt lime.
				March ...	40-00	40	...	...	...	...	...	...	...	...	Do. 18 do.
				April ...	12-00	6	...	...	...	...	...	...	...	...	Ore flux to Kalgoorlie.
				May ...	30-00	15	...	...	...	...	...	...	...	...	Do. do.
					12-00	15	...	...	...	...	...	...	...	...	Returned 7 tons burnt lime.
				June ...	9-00	13	...	...	...	...	...	...	...	...	Do. 6 do.
					18-00	9	...	...	...	...	...	...	...	...	Ore flux to Kalgoorlie.
				July ...	9-00	12	...	...	...	...	...	...	...	...	Returned 5 tons burnt lime.
				August...	25-00	12	...	...	...	...	...	...	...	...	Ore flux to Kalgoorlie.
					9-00	12	...	...	...	...	...	...	...	...	Returned 5-50 tons burnt lime.
				September	10-00	5	...	...	...	...	...	...	...	...	Ore flux to Kalgoorlie.
				October...	5-00	7	...	...	...	...	...	...	...	...	Returned 3-50 tons burnt lime.
				November	20-00	10	...	...	...	...	...	...	...	...	Ore flux to Kalgoorlie.
				December	18-00	9	...	...	...	...	...	...	...	...	Do. do.
Do. ...	do. ...	5	Southern Cross Pioneer	January	105-00	63	285-00	227	119-00	199	...	...	404-00	426	Ore flux to Kalgoorlie.
				February	120-00	60	...	...	...	...	...	...	...	...	Do. do.
				March ...	85-00	42	...	...	...	...	...	...	...	...	Do. do.
				April ...	50-00	25	...	...	...	...	...	...	...	...	Do. do.
				May ...	105-00	52	...	...	...	...	...	...	...	...	Do. do.
				June ...	80-00	40	...	...	...	...	...	...	...	...	Do. do.
				July ...	60-00	30	...	...	...	...	...	...	...	...	Do. do.
				August...	65-00	32	...	...	...	...	...	...	...	...	Do. do.
				September	50-00	25	...	...	...	...	...	...	...	...	Do. do.
				October...	50-00	25	...	...	...	...	...	...	...	...	Do. do.
				November	50-00	25	...	...	...	...	...	...	...	...	Do. do.
				December	40-00	20	860-00	439	85-00	42	...	...	945-00	481	Do. do.
Do. ...	do. ...	6	Range Road ... ..	January	50-00	30	...	...	...	...	...	...	...	...	Ore flux to Kalgoorlie.
				February	60-00	30	...	...	...	...	...	...	...	...	Do. do.
				March ...	65-00	32	...	...	...	...	...	...	...	...	Do. do.
				April ...	35-00	18	...	...	...	...	...	...	...	...	Do. do.
				May ...	55-00	27	...	...	...	...	...	...	...	...	Do. do.
				June ...	50-00	25	...	...	...	...	...	...	...	...	Do. do.
				July ...	45-00	22	...	...	...	...	...	...	...	...	Do. do.
				August...	30-00	15	...	...	...	...	...	...	...	...	Do. do.
				September	25-00	13	...	...	...	...	...	...	...	...	Do. do.
				October...	27-00	13	...	...	...	...	...	...	...	...	Do. do.
				November	30-00	15	...	...	...	...	...	...	...	...	Do. do.
				December	25-00	13	...	...	...	...	...	...	...	...	Do. do.
							497-00	253	65-85	32	...	...	562-85	285	
			*From State generally :— Fremantle ... ..				16,568-00	3,429	15,657-00	3,321	17,593-00	2,838	49,818-00	9,588	
			Total ... ..				18,210-00	4,348	15,926-85	3,594	17,593-00	2,838	51,729-85	10,780	

\* Ore flux received by the Fremantle Smelting Works, Ltd.

TABLE

Return of Ore and Minerals other than Gold, entered for EXPORT from 1850-1901, inclusive, showing

YEAR.	METALLIC									
	COPPER ORE.									
	West Pilbarra Gf.		Northampton M.D.		Phillips River Gf.		State generally.		Total.	
	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.
tons.	£	tons.	£	tons.	£	tons.	£	tons.	£	
1850	...	...	...	...	...	...	...	...	...	...
1	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...
3	...	...	**	7-50	...	...	...	...	...	7-50
4	...	...	...	...	...	...	...	...	...	...
5	...	...	2-05	26-45	...	...	...	2-05	26-45	...
6	...	...	57-00	1,017-90	...	...	...	57-00	1,017-90	...
7	...	...	80-00	1,920-00	...	...	...	80-00	1,920-00	...
8	...	...	433-25	9,531-50	...	...	...	433-25	9,531-50	...
9	...	...	941-50	14,122-50	...	...	...	941-50	14,122-50	...
1860	...	...	517-50	8,021-25	...	...	...	517-50	8,021-25	...
1	...	...	409-00	6,339-50	...	...	...	409-00	6,339-50	...
2	...	...	783-50	12,536-00	...	...	...	783-50	12,536-00	...
3	...	...	763-00	12,208-00	...	...	...	763-00	12,208-00	...
4	...	...	1,076-00	17,216-00	...	...	...	1,076-00	17,216-00	...
5	...	...	886-00	13,290-00	...	...	...	886-00	13,290-00	...
6	...	...	557-50	8,362-50	...	...	...	557-50	8,362-50	...
7	...	...	337-00	5,055-00	...	...	...	337-00	5,055-00	...
8	...	...	83-00	1,245-00	...	...	...	83-00	1,245-00	...
9	...	...	155-00	2,325-00	...	...	...	155-00	2,325-00	...
1870	...	...	6-00	90-00	...	...	...	6-00	90-00	...
1	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...
3	...	...	56-50	847-50	...	...	...	56-50	847-50	...
4	...	...	66-50	997-50	...	...	...	66-50	997-50	...
5	...	...	204-75	3,071-25	...	...	...	204-75	3,071-25	...
6	...	...	279-00	4,185-00	...	...	...	279-00	4,185-00	...
7	...	...	53-50	802-50	...	...	...	53-50	802-50	...
8	...	...	9-00	135-00	...	...	...	9-00	135-00	...
9	...	...	...	...	...	...	...	...	...	...
1880	...	...	8-00	120-00	...	...	...	8-00	120-00	...
1	...	...	...	...	...	...	...	...	...	...
2	...	...	1-50	22-50	...	...	...	1-50	22-50	...
3	...	...	5-00	75-00	...	...	...	5-00	75-00	...
4	...	...	118-00	1,770-00	...	...	...	118-00	1,770-00	...
5	...	...	119-50	1,792-50	...	...	...	119-50	1,792-50	...
6	...	...	249-00	3,735-00	...	...	...	249-00	3,735-00	...
7	...	...	23-00	345-00	...	...	...	23-00	345-00	...
8	...	...	87-50	1,487-50	...	...	...	87-50	1,487-50	...
9	...	...	112-00	1,904-00	...	...	...	112-00	1,904-00	...
1890	...	...	8-00	136-00	...	...	...	8-00	136-00	...
1	262-50	4,462-50	...	...	...	...	...	262-50	4,462-50	...
2	* 412-00	6,318-80	155-00	2,377-20	...	...	...	567-00	8,696-00	...
3	50-00	606-00	...	...	...	...	...	50-00	606-00	...
4	...	...	...	...	...	...	...	...	...	...
5	802-00	12,832-00	24-00	120-00	...	...	...	826-00	12,952-00	...
6	6-30	100-00	...	...	...	...	...	6-30	100-00	...
7	64-85	731-25	21-15	302-00	...	...	...	86-00	1,033-25	...
8	a 280-87	3,334-00	b 74-53	931-50	...	...	...	355-40	4,265-50	...
9	1,404-50	31,978-50	586-55	9,473-25	...	...	...	1,991-05	41,451-75	...
1900	543-55	10,696-00	...	...	105-15	2,411-00	c 197-41	3,355-00	d 846-11	16,462-00
1	1,058-00	26,464-00	50	10-00	1,205-00	22,107-00	396-75	6,322-00	2,660-25	54,903-00
Total	4,884-57	97,523-05	9,349-78	147,954-30	1,310-15	24,518-00	594-16	9,677-00	16,138-66	279,672-35

\* See Woodward's Mining Handbook, Perth: By Authority, 1895; p. 128. \*\* Declared weight not stated. † Probably the produce of the 6 cwts. 3 qrs. f 265 tons 9 cwts. 3 qrs. g 68 tons 2 cwts. 3 qrs. h 278 tons 8 cwts.

## XIX.

*the Quantity obtained from certain Goldfields and Mining Districts, and the declared Value thereof.*

MINERALS.								YEAR.
LEAD ORE.		BLACK TIN (Dressed Tin).						
Northampton M.D.		Pilbarra Gf.		Greenbushes M.D.		Total.		
Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	
tons.	£	tons.	£	tons.	£	tons.	£	
5·00	55·00	...	...	...	...	...	...	1850
...	...	...	...	...	...	...	...	1
...	...	...	...	...	...	...	...	2
**	4·00	...	...	...	...	...	...	3
...	...	...	...	...	...	...	...	4
25·00	250·00	...	...	...	...	...	...	5
...	...	...	...	...	...	...	...	6
...	...	...	...	...	...	...	...	7
...	...	...	...	...	...	...	...	8
13·50	135·00	...	...	...	...	...	...	9
98·50	985·00	...	...	...	...	...	...	1860
79·00	790·00	...	...	...	...	...	...	1
9·00	90·00	...	...	...	...	...	...	2
230·00	2,300·00	...	...	...	...	...	...	3
80·00	800·00	...	...	...	...	...	...	4
703·00	8,436·00	...	...	...	...	...	...	5
273·50	3,282·00	...	...	...	...	...	...	6
902·00	10,824·00	...	...	...	...	...	...	7
1,100·50	13,206·00	...	...	...	...	...	...	8
699·50	8,394·00	...	...	...	...	...	...	9
1,209·50	14,514·00	...	...	...	...	...	...	1870
420·00	5,040·00	...	...	...	...	...	...	1
364·00	4,368·00	...	...	...	...	...	...	2
965·50	11,586·00	...	...	...	...	...	...	3
2,143·75	25,725·00	...	...	...	...	...	...	4
2,289·00	27,468·00	...	...	...	...	...	...	5
2,191·50	26,298·00	...	...	...	...	...	...	6
3,955·50	47,466·00	...	...	...	...	...	...	7
3,617·50	43,410·00	...	...	...	...	...	...	8
2,775·00	33,300·00	...	...	...	...	...	...	9
1,921·00	15,368·00	...	...	...	...	...	...	1880
1,400·50	11,204·00	...	...	...	...	...	...	1
1,793·50	14,348·00	...	...	...	...	...	...	2
1,038·00	7,266·00	...	...	...	...	...	...	3
696·00	4,872·00	...	...	...	...	...	...	4
465·00	3,255·00	...	...	...	...	...	...	5
611·00	4,277·00	...	...	...	...	...	...	6
471·00	4,710·00	...	...	...	...	...	...	7
532·00	5,320·00	...	...	...	...	...	...	8
250·00	2,500·00	...	...	...	...	...	...	9
213·50	2,135·00	...	...	...	...	...	...	1890
25·00	250·00	...	...	204·00	10,200·00	...	...	1
29·75	150·00	...	...	f 265·49	13,843·00	...	...	2
...	...	56·45	3,470·00	171·50	7,664·00	f 265·49	13,843·00	3
...	...	19·00	949·00	371·25	14,325·00	227·95	11,134·00	4
...	...	...	...	277·15	9,703·00	390·25	15,274·00	5
...	...	...	...	137·25	4,338·00	277·15	9,703·00	6
**	4·00	...	...	95·55	3,275·00	137·25	4,338·00	7
5·00	33·00	...	...	g 68·14	2,760·00	95·55	3,275·00	8
16·00	96·00	29·55	2,025·00	h 278·41	21,138·00	g 68·14	2,760·00	9
26·85	242·00	e 368·34	30,146·00	i 101·94	8,032·00	h 278·41	21,138·00	1900
...	...	439·00	34,600·00	67·50	4,895·00	k 470·28	38,178·00	1
...	...	...	...	...	...	506·50	39,495·00	1
<b>33,643·85</b>	<b>364,756·00</b>	<b>912·34</b>	<b>71,190·00</b>	<b>2,038·18</b>	<b>100,173·00</b>	<b>3,023·02</b>	<b>177,063·00</b>	

Greenbushes Tinfield. a 280 tons 17 cwts. 2 qrs. b 74 tons 10 cwts. 2 qrs. c 197 tons 8 cwts. 1 qr. d 546 tons 2 cwts. 1 qr. e 368 tons 1 qr. f 101 tons 18 cwts. 3¼ qrs. g 307 tons 19 cwts. 1 qr. h 470 tons 5 cwts. 2¼ qrs.



TABLE XIX.—Return of Ore and Minerals, other than Gold,

YEAR.	NON-METALLIC MINERALS.						ORES NOT OTHERWISE ENUMERATED.		COPPER INGOT.	
	ASBESTOS.		COAL.		MICA.		Quantity.	Value.	Mt. Malcolm D.	
	State generally.		Collie River Coal M.D.		State generally.				Quantity.	Value.
	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.		
	tons.	£	tons.	£	tons.	£	tons.	£	tons.	£
1850	...	...	...	...	...	...	...	...	...	...
1	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...
1860	...	...	...	...	...	...	...	...	...	...
1	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...
1870	...	...	...	...	...	...	...	...	...	...
1	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...
1880	...	...	...	...	...	...	...	...	...	...
1	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...
1890	...	...	...	...	...	...	...	...	...	...
1	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	**	25'00	...	...	...	...
3	...	...	...	...	**	4'00	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	**	3'00	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	**	209'00	...	...	...	...
8	...	...	1'00	1'00	...	...	...	...	...	...
9	**	1'00	798'00	772'00	‡	50'00	...	...	...	...
1900	...	...	355'00	350'00	**	3'00	5'00	85'00	248'90	17,475'00
1	...	...	970'75	969'00	...	...	**	4'00	880'50	55,866'00
Total	...	1'00	2,124'75	2,092'00	...	294'00	5'00	89'00	1,129'40	73,341'00

\*\* Declared; weight not stated.

‡ 13 packages; weight not stated.

§ Estimated; no tonnage given. covered by this table to show in detail the

entered for EXPORT from 1850-1901, inclusive—continued.

COMMERCIAL PRODUCTS. ¶						PRECIOUS STONES.		YEAR.
SILVER.		TIN INGOT. (White Tin.)		PIG LEAD.				
State generally.		Greenbushes M.D.		State generally.		State generally.		
Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	
ozs.	£	tons.	£	tons.	£	carats.	£	
...	...	...	...	...	...	...	...	1850
...	...	...	...	...	...	...	...	1
...	...	...	...	...	...	...	...	2
...	...	...	...	55.00	1,200.00	...	...	3
...	...	...	...	122.00	2,440.00	...	...	4
...	...	...	...	133.75	2,675.00	...	...	5
...	...	...	...	60.00	1,200.00	...	...	6
...	...	...	...	120.50	2,410.00	...	...	7
...	...	...	...	61.00	1,220.00	...	...	8
...	...	...	...	24.75	495.00	...	...	9
...	...	...	...	...	...	...	...	1860
...	...	...	...	...	...	...	...	1
...	...	...	...	...	...	...	...	2
...	...	...	...	...	...	...	...	3
...	...	...	...	...	...	...	...	4
...	...	...	...	...	...	...	...	5
...	...	...	...	...	...	...	...	6
...	...	...	...	...	...	...	...	7
...	...	...	...	...	...	...	...	8
...	...	...	...	...	...	...	...	9
...	...	...	...	...	...	...	...	1870
...	...	...	...	...	...	...	...	1
...	...	...	...	...	...	...	...	2
...	...	...	...	...	...	...	...	3
...	...	...	...	...	...	...	...	4
...	...	...	...	...	...	...	...	5
...	...	...	...	...	...	...	...	6
...	...	...	...	...	...	...	...	7
...	...	...	...	...	...	...	...	8
...	...	...	...	...	...	...	...	9
...	...	...	...	...	...	...	...	1880
...	...	...	...	...	...	...	...	1
...	...	...	...	...	...	...	...	2
...	...	...	...	...	...	...	...	3
...	...	...	...	...	...	...	...	4
...	...	...	...	...	...	...	...	5
...	...	...	...	...	...	...	...	6
...	...	...	...	...	...	...	...	7
...	...	...	...	...	...	...	...	8
...	...	...	...	...	...	...	...	9
...	...	...	...	...	...	...	...	1890
...	...	...	...	...	...	...	...	1
...	...	...	...	...	...	...	...	2
...	...	...	...	...	...	...	...	3
...	...	...	...	...	...	...	...	4
...	...	...	...	...	...	...	...	5
...	...	...	...	...	...	...	...	6
...	...	...	...	...	...	...	...	7
...	...	...	...	...	...	...	...	8
...	...	...	...	...	...	...	...	9
...	...	...	...	...	...	...	...	1900
...	...	...	...	...	...	...	...	1
28,749.00	3,594.00	142.35	18,872.00	77.00	1,077.00	...	...	
60,869.00	7,609.00	96.50	12,607.00	...	...	**	1,000.00	
<b>89,618.00</b>	<b>11,203.00</b>	<b>238.85</b>	<b>31,479.00</b>	<b>683.75</b>	<b>13,306.25</b>	...	<b>1,000.00</b>	

¶ No tonnage given, 6 packages estimated at 10 cwts. quantity of Commercial Products exported.

¶ Advantage has been taken of the series of years

## PART III.—

## TABLE

## 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.	Single Wind- ing Gear.	Double Wind- ing Gear.	Steam Boilers.	Steam Engines.									
1. Kimberley	...	...	...	...	...	3	2	2	...	...	...	1				
2. Pilbarra	Marble Bar	...	...	...	...	8	6	2	...	...	...	9				
3. West Pilbarra	Nullagine	...	...	...	...	1	1	5	...	...	...	8				
4. Ashburton	...	...	...	...	...	...	...	1	...	...	...	...				
5. Gascoyne	...	...	...	...	...	...	...	...	...	...	...	...				
6. Peak Hill	...	...	...	...	...	5	2	1	...	...	...	7				
Do	...	Ravelstone	...	...	...	1	1	...	1	...	...	3				
7. East Murchison	...	Lake Darlot	...	...	...	26	7	15	24	20	4	4	64			
Do	...	...	...	...	...	...	...	...	1	1	...	...	3			
Do	Cue	Tukanarra	...	...	...	16	6	11	16	13	...	2	1	9		
Do	Do	...	...	...	...	...	...	...	1	1	...	...	...	3		
8. Murchison	Nannine	Meekatharra	...	...	...	16	5	9	12	11	6	1	1	16		
Do	Do	...	...	...	...	...	...	...	1	1	...	...	...	3		
Do	Day Dawn	...	...	...	...	28	11	7	20	13	2	1	6	1	5	
Do	Mt. Magnet	Lennonville	...	...	...	17	4	9	10	10	2	...	1	1	9	
Do	Do	Paynesville	...	...	...	...	...	...	1	1	...	...	...	...	3	
9. Yalgoo	...	...	...	...	...	7	4	2	6	6	4	...	2	1	5	
10. Mt. Margaret	Mt. Malcolm	Leonora	...	...	...	36	6	17	18	19	5	...	6	6	3	
Do	Do	...	...	...	...	...	...	...	1	1	...	...	...	...	...	
Do	Mt. Margaret	...	...	...	...	23	6	11	24	19	3	...	9	7	2	
Do	Menzies	...	...	...	...	28	15	16	15	11	5	1	8	7	3	
Do	Ularring	Mt. Ida	...	...	...	10	3	6	6	3	1	1	2	1	1	
Do	Do	Mulline	...	...	...	...	...	...	1	1	...	...	...	...	...	
11. North Coolgardie	Do	Mulwarrie	...	...	...	...	...	...	1	1	...	...	...	...	...	
Do	Niagara	Niagara	...	...	...	21	3	12	11	8	2	...	3	3	5	
Do	Do	...	...	...	...	...	...	...	1	1	...	...	...	...	...	
Do	Yerilla	...	...	...	...	4	3	1	7	7	...	...	...	...	16	
12. Broad Arrow	...	...	...	...	...	26	6	20	31	19	3	...	3	3	11	
13. N.E. Coolgardie	Kanowna	...	...	...	...	30	11	13	20	15	6	11	3	2	25	
Do	Bulong	...	...	...	...	6	...	4	2	1	1	...	2	1	2	
Do	Kurnalpi	...	...	...	...	1	1	...	1	2	...	...	...	...	2	
14. East Coolgardie	...	...	...	...	...	206	13	124	106	66	15	3	63	73	30	
Do	Coolgardie	...	...	...	...	46	7	33	34	30	7	1	17	18	12	
Do	Do	Widgiemooltha	...	...	...	...	...	...	1	1	...	...	...	...	...	
Do	Kunanalling	...	...	...	...	16	3	9	11	10	8	...	3	3	3	
16. Yilgarn	...	...	...	...	...	11	1	9	19	13	1	5	...	...	10	
17. Dundas	...	...	...	...	...	18	4	12	15	17	2	1	4	3	4	
Do	...	Norseman	...	...	...	...	...	...	2	2	...	...	...	...	3	
18. Phillips River	...	...	...	...	...	1	1	...	2	2	...	...	...	...	1	
19. Donnybrook	...	...	...	...	...	2	...	1	...	...	...	...	...	...	1	
Northam Milling and Mining Co., Ltd.			...	...	...	...	...	...	6	5	...	...	...	...	5	
Fremantle Smelting Works, Ltd.			...	...	...	...	...	...	3	4	...	...	...	...	4	
TOTAL GOLD-EXTRACTING MACHINERY			...	...	...	602	122	342	453	355	88	26	146	138	172	1,015
Tinfields	Greenbushes Mining District		...	...	...	6	...	1	...	2	4	...	...	...	3	14
	Government Tin-dressing Plant		...	...	...	...	...	...	...	...	1	...	...	...	...	2
	Marble Bar District		...	...	...	1	...	...	...	...	...	...	...	...	...	1
Copperfields	Mt. Malcolm District		...	...	...	1	1	1	1	2	1	...	...	...	1	2
	West Pilbarra Goldfield		...	...	...	1	1	...	...	...	1	...	...	...	...	2
Coalfield	Collie River Coal Mining District		...	...	...	11	...	7	1	1	...	1	2	...	...	14
TOTAL MACHINERY OTHER THAN GOLD-EXTRACTING			...	...	...	20	2	9	2	5	6	2	2	...	4	35
TOTAL MINING MACHINERY			...	...	...	622	124	351	455	360	94	28	148	138	176	1,050

ALL MINES.

XX.

MACHINERY erected on the 31st December, 1901.

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.	Amalgamating Barrels and Pans.	Berdan Pans.	Wheeler's Pans.	
							Ball Mills.	Griffin Mills.	Huntington Mills.	Tremain Mills.	Prospecting Mills.	Crushing Rollers.	Dry Crushers.	Puddlers.						Arrastras.
1	...	...	...	2	3	25	...	...	...	...	...	...	...	...	...	...	...	...		
...	3	...	...	...	1	80	...	...	3	1	1	...	...	...	...	...	1	5		
...	...	...	...	...	...	35	...	...	...	1	...	...	...	...	...	...	1	2		
...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...		
...	...	...	...	2	8	40	...	...	...	...	1	...	...	...	9	1	1	1		
...	...	...	...	...	...	10	...	...	...	...	...	...	...	...	...	...	...	...		
...	13	2	...	6	12	160	1	...	...	...	5	...	...	2	6	...	9	1		
...	1	3	...	...	1	10	...	...	...	...	...	...	...	...	...	...	2	2		
...	...	...	...	...	...	130	1	...	...	...	...	...	...	...	1	...	13	2		
...	1	...	...	4	13	163	...	...	...	...	...	...	...	2	3	...	24	2		
...	...	...	...	...	...	10	...	...	...	...	...	...	...	...	...	...	2	2		
...	2	8	...	4	4	100	...	...	...	1	...	1	2	...	4	1	3	1		
...	4	...	...	3	8	110	...	...	...	...	...	...	...	2	1	...	6	6		
...	...	...	...	...	...	10	...	...	...	...	...	...	...	...	1	...	2	2		
...	3	1	...	4	4	70	...	...	1	...	...	...	...	4	1	...	2	6		
...	1	13	...	11	29	248	...	...	2	2	1	...	...	3	3	...	16	4		
...	...	...	...	...	...	10	...	...	...	...	...	...	...	...	1	...	2	2		
...	11	...	1	6	32	226	...	...	...	1	...	...	...	5	2	...	2	...		
...	25	2	...	7	13	138	...	...	...	1	...	...	1	9	1	1	19	1		
...	12	...	...	...	...	40	...	...	...	...	...	...	...	...	1	...	3	...		
...	...	...	...	...	...	10	...	...	...	...	...	...	...	...	...	...	2	...		
...	...	...	...	...	...	20	...	...	...	...	...	...	...	...	...	...	2	...		
...	...	...	...	...	...	10	...	...	...	...	...	...	...	...	...	...	2	...		
...	1	...	...	2	5	85	...	...	1	...	...	...	...	3	3	...	4	...		
...	...	...	...	...	...	10	...	...	...	...	...	...	...	...	...	...	2	...		
...	4	...	...	1	...	40	...	...	...	1	...	...	...	1	2	...	1	...		
...	5	8	1	8	33	240	1	...	...	2	2	...	...	5	4	6	6	...		
...	9	...	...	10	16	195	1	1	6	...	3	2	...	8	7	4	10	2		
...	...	...	...	...	...	30	...	...	...	...	...	...	...	1	...	...	2	...		
...	1	...	...	...	1	10	...	...	...	...	...	...	...	...	...	...	...	...		
...	5	25	1	38	101	470	34	27	14	...	...	7	2	16	8	88	14	47		
...	1	16	2	19	53	391	1	...	...	1	2	...	1	8	3	2	18	5		
...	...	...	...	...	...	10	...	...	...	...	...	...	...	...	...	...	2	...		
...	2	18	...	6	17	133	2	...	...	1	...	...	...	1	...	...	...	2		
...	5	...	...	4	12	175	...	4	...	1	...	1	...	2	1	...	14	3		
...	2	12	...	8	9	125	...	1	...	3	...	1	...	2	2	3	18	3		
...	...	...	...	...	...	10	2	...	...	...	...	...	...	...	...	...	2	...		
...	3	...	...	1	...	20	1	...	...	...	...	...	...	...	...	...	...	...		
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
...	...	...	...	2	...	60	...	...	...	...	...	...	...	...	...	...	...	...		
...	...	...	...	7	2	...	...	...	...	...	2	1	...	...	...	...	...	...		
20	198	9	8	152	375	3,674	44	32	25	9	25	15	8	10	4	87	49	112	220	69
...	3	...	...	3	1	...	...	...	...	...	...	1	1	12	...	...	...	...	...	...
...	...	...	...	...	...	5	...	...	...	...	...	...	...	3	...	...	...	...	...	...
...	...	...	...	2	...	...	...	...	1	...	...	...	...	1	...	...	...	...	...	...
...	1	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	4	2	...	7	1	5	...	...	1	...	...	1	2	15	...	...	...	...	...	...
20	202	11	8	159	376	3,679	44	32	26	9	25	16	10	25	4	87	49	112	220	69

TABLE XX.—Quantity and Estimated Value of MINING

GOLDFIELD.	DISTRICT.	GOVERNMENT PUBLIC BATTERIES.	REDUCTION PLANT (continued).											
			Settling Tanks.	Percussion and Shaking Tables.	Concentrators.	Classifiers.	Jiggers.	Trommels or Revolving Screens.	Spitzkasten.	Vanners.	Cyanidation.			
											Leaching Vats.	Agitators and Agitating Vats.	Storage Vats.	Filter Presses.
1. Kimberley ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2. Pilbarra ...	Marble Bar ...	...	6	2	...	...	...	...	...	...	5	...	2	...
3. West Pilbarra ...	Nullagine ...	...	4	...	...	...	...	...	...	...	...	...	...	...
4. Ashburton ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5. Gascoyne ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6. Peak Hill ...	...	...	3	...	...	...	...	...	3	...	4	5	9	9
Do ...	...	Ravelstone ...	...	...	...	...	...	...	...	...	...	...	...	...
7. East Murchison ...	...	...	4	...	...	...	...	...	10	...	24	...	20	...
Do ...	...	Lake Darlôt ...	...	...	...	...	...	...	...	...	...	...	...	...
...	Cue ...	...	...	2	2	...	...	...	...	...	33	...	13	...
...	Do ...	Tukanarra ...	...	...	...	...	...	...	...	...	...	...	...	...
8. Murchison ...	Nanaine ...	...	2	10	2	...	...	...	...	...	28	...	8	...
...	Do ...	Meekatharra ...	...	...	...	...	...	...	...	...	...	...	...	...
...	Day Dawn ...	...	6	6	...	...	...	...	...	...	20	...	11	...
...	Mt. Magnet ...	...	...	...	...	...	...	...	...	...	22	...	13	...
...	Do ...	Lennonville ...	...	...	...	...	...	...	...	...	3	...	3	...
...	Do ...	Paynesville ...	...	...	...	...	...	...	...	...	...	...	...	...
9. Yalgoo ...	...	...	11	...	...	...	...	...	...	...	9	...	5	...
10. Mt. Margaret ...	Mt. Malcolm ...	...	18	6	...	...	...	...	4	1	51	...	23	...
...	Do ...	Leonora ...	...	...	...	...	...	...	...	...	...	...	...	...
...	Mt. Margaret ...	...	18	...	1	...	...	...	2	1	65	3	29	3
...	Menzies ...	...	32	7	4	...	...	...	4	6	47	6	21	4
...	Ularring ...	...	...	...	1	...	...	...	...	...	3	...	...	...
...	Do ...	Mt. Ida ...	...	...	...	...	...	...	...	...	3	...	2	...
11. North Coolgardie ...	Do ...	Mulline ...	...	...	...	...	...	...	...	...	5	...	3	...
...	Do ...	Mulwarrie ...	...	2	...	...	...	...	...	...	...	...	...	...
...	Niagara ...	...	4	...	2	...	...	...	...	...	21	...	13	...
...	Do ...	Niagara ...	...	...	...	...	...	...	...	...	...	...	...	...
12. Broad Arrow ...	Yerilla ...	...	6	...	...	...	...	...	...	...	17	...	6	...
...	...	...	14	...	...	...	...	...	1	...	41	8	20	3
13. N. E. Coolgardie ...	Kanowna ...	...	34	8	4	...	...	...	...	...	82	5	21	...
...	Bulong ...	...	2	...	...	...	...	...	...	...	...	...	...	...
14. East Coolgardie ...	Kurnalpi ...	...	63	7	29	21	...	1	154	32	142	92	88	95
...	Coolgardie ...	...	32	24	5	2	...	...	...	3	72	...	32	6
15. Coolgardie ...	Do ...	Widgiemooltha ...	...	...	...	...	...	...	...	...	...	...	...	...
...	Kunanalling ...	...	55	1	2	...	...	...	...	2	17	2	8	...
16. Yilgarn ...	...	...	10	...	...	...	...	1	...	...	69	...	20	1
17. Dundas ...	...	...	8	...	2	...	...	...	...	...	31	...	15	...
Do ...	...	Norseman ...	...	...	...	...	...	...	...	...	12	...	...	1
18. Phillips River ...	...	...	6	...	2	...	...	...	...	...	...	...	...	...
19. Donnybrook ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Northam Milling and Mining Co., Ltd. ...	...	...	...	...	...	...	...	...	...	...	5	...	...	...
Fremantle Smelting Works, Ltd. ...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
TOTAL GOLD-EXTRACTING MACHINERY ...			338	75	56	23	...	3	178	45	831	121	385	122
Tinfields ...	Greenbushes Mining District ...	...	...	1	...	1	3	...	...	...	...	...	...	...
...	Government Tin-dressing Plant ...	...	3	...	...	1	...	...	...	...	...	...	...	...
...	Marble Bar District ...	...	...	...	...	...	...	...	...	...	...	...	...	...
Copperfields ...	Mt. Malcolm District ...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	West Pilbarra Goldfield ...	...	...	...	...	...	...	...	...	...	...	...	...	...
Coalfield ...	Collie River Coal Mining District ...	...	...	...	...	...	...	...	...	...	...	...	...	...
TOTAL MACHINERY OTHER THAN GOLD-EXTRACTING			3	1	...	2	3	...	...	...	...	...	...	...
TOTAL MINING MACHINERY ...			341	76	56	25	3	3	178	45	831	121	385	122

MACHINERY erected on the 31st December, 1901—continued.

Chlorination.					WATER SUPPLY PLANT.				MISCELLANEOUS.											ESTIMATED VALUE OF PLANT.		
Reverberatory Furnaces.	Chlorination Vats.	Cupelling Furnaces.	Refining Furnaces.	Assay Furnaces.	Dams and Reservoirs.	Tanks.	Condensers.	Windmills.	Rock Drills.	Fan Blasts.	Green Blowers.	Water Jackets.	Electric Light Plants.	Coal Mining Machinery.					Government Public Batteries.	District, including Government Public Batteries.	Goldfield, including Government Public Batteries.	
														Brickmaking Machines.	Screens (Fixed).	Ventilating Fans and Furnaces.	Elevators.	Tumblers and Kickups.	£	£	£	
...	...	...	...	3	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5,500
...	...	...	...	...	...	11	...	1	...	...	...	...	...	...	...	...	...	...	...	...	23,960	34,315
...	...	...	...	...	...	8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	10,355	500
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	1	1	1	1	2	3	1	...	1	...	...	3	...	...	...	...	...	...	6,457	...	105,703
2	...	5	3	13	13	56	8	4	20	1	...	...	5	...	...	...	...	...	2,185	...	158,011	
...	...	3	...	5	8	1	2	...	10	...	...	...	...	...	...	...	...	...	6,294	...	53,254	
...	...	3	2	3	3	22	7	...	3	...	...	...	1	...	...	...	...	...	6,683	...	92,678	
...	...	2	2	2	4	29	3	1	24	1	...	...	2	...	...	...	...	...	...	...	99,902	
...	...	1	2	4	2	23	...	...	5	...	...	...	3	...	...	...	...	...	8,975	...	86,320	
...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2,753	...	...	
...	...	1	2	5	11	9	...	...	15	...	...	...	...	...	...	...	...	...	...	...	30,702	
...	...	1	5	10	6	71	8	...	36	1	...	...	3	...	...	...	...	...	6,178	213,722	413,784	
...	...	4	9	13	7	54	14	5	41	...	...	...	1	...	...	...	...	...	...	200,062	...	
3	1	5	16	10	8	49	33	2	39	1	...	...	6	...	...	...	...	...	...	136,922	...	
...	...	1	...	1	8	32	12	...	6	...	...	...	...	...	...	...	...	...	...	...	...	
...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	10,932	...	54,877	
...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	12,383	...	284,502	
...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6,403	...	...	
...	...	1	1	2	2	28	5	1	15	...	...	...	...	...	...	...	...	...	2,947	83,460	...	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	9,243	
1	1	7	9	11	16	176	26	...	11	...	...	1	1	...	...	...	...	...	...	...	134,359	
...	...	4	3	6	18	141	27	1	8	1	...	2	2	...	...	...	...	...	...	95,593	...	
...	...	...	...	2	...	18	7	...	8	...	...	...	...	...	...	...	...	...	...	19,095	116,543	
...	...	...	...	...	...	9	2	...	...	...	...	...	...	...	...	...	...	...	...	1,855	...	
2	...	12	16	33	26	324	143	...	402	5	...	4	13	...	...	...	...	...	...	...	1,814,422	
...	...	1	7	17	29	193	33	3	74	1	...	...	5	...	...	...	...	...	...	...	...	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2,413	232,419	284,799	
...	...	1	2	5	12	128	16	...	18	...	...	...	1	...	...	...	...	...	...	52,380	...	
...	...	3	4	5	13	36	6	1	...	...	...	...	1	...	...	...	...	...	...	...	81,343	
...	...	3	3	6	10	49	14	3	22	1	...	1	1	...	...	...	...	...	...	...	87,584	
...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8,727	...	10,809	
...	...	...	...	...	2	5	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1,200	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
5	...	1	1	...	1	...	...	...	...	...	5	3	1	...	...	...	...	...	...	...	30,052	
...	...	4	...	...	...	4	...	1	...	...	...	...	...	...	...	...	...	...	...	...	56,060	
13	2	64	91	163	204	1,486	372	24	757	13	5	11	49	...	...	...	...	...	83,280	...	3,982,342	
3	...	...	1	1	8	4	...	...	...	1	...	...	...	...	...	...	...	...	2,409	11,040	...	
...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	664	...	
...	...	...	...	1	...	3	2	1	...	1	2	1	...	...	...	...	...	...	...	10,165	...	
...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	1,165	...	
...	...	...	...	...	1	...	...	...	1	...	...	2	2	3	4	1	3	...	...	18,399	...	
3	...	...	1	2	9	10	2	1	5	1	1	2	3	2	3	4	1	3	2,409	...	41,433	
16	2	64	92	165	213	1,496	374	25	762	14	6	13	52	2	3	4	1	3	85,689	...	4,023,775	

TABLE XXI.

Synopsis of ACCIDENTS, showing Killed and Injured, in the respective Goldfields and Mining Districts during 1901, together with a comparison for the previous year.

GOLDFIELD OR MINING DISTRICT.	Kimberley.	Pilbarra.	West Pilbarra.	Ashburton.	Gascoyne.	Peak Hill.	East Murchison.	Murchison.	Yalgoo.	Mt. Margaret.	North Coolgardie.	Broad Arrow.	North-East Coolgardie.	East Coolgardie.	Coolgardie.	Yilgarn.	Dundas.	Phillips River.	Donnybrook.	Northampton.	Yandamooka.	Greenbushes.	Collie.	TOTAL.		Comparison with 1900.				
	..	1	..	..	..	7	12	23	..	15	14	3	3	44	20	3	3	..	1	..	..	..	6	1901.	1900.		-9			
Class of Accident.	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.		
1. By Explosives ... ..	..	..	..	..	..	1	1	1	3	1	3	..	..	4	7	..	..	..	..	..	..	..	..	1	11	15	5	14	*6	1
2. By Falls of Ground ... ..	..	..	1	..	..	1	1	3	..	4	4	1	..	1	5	3	1	..	..	..	..	..	..	5	16	24	11	28	*5	4
3. In Shafts ... ..	..	..	..	..	..	1	2	3	4	1	1	2	..	2	3	..	..	..	1	..	..	..	..	..	14	34	15	37	-1	3
4. By Miscellaneous Underground ... ..	..	..	..	..	..	1	3	..	1	2	3	..	1	7	8	1	4	..	..	..	..	..	..	..	1	31	5	25	*6	..
5. On Surface ... ..	..	..	..	..	..	..	3	3	..	3	1	..	..	1	3	1	..	..	..	..	..	..	..	1	3	26	9	30	-6	4
<b>Total, 1901</b> ... ..	..	..	1	..	..	3	4	10	16	..	6	9	1	11	3	17	3	5	..	1	..	..	..	7	45	130	..	45	..	..
<b>Total, 1900</b> ... ..	..	..	..	..	..	4	3	10	10	..	4	10	5	14	4	11	4	11	..	1	..	..	..	2	..	..	..	134	..	..
<b>Comparison with 1900</b> ... ..	..	..	*1	..	..	*3	-3	*3	*1	..	*2	-3	..	-3	-1	-1	-1	..	..	..	..	..	*5	..	..	..	..	..	..	-4

\* Represents plus.

TABLE XXII.

DEATHS from Accidents in the respective Goldfields, Districts and Mining Districts during 1901, together with a Comparison for the previous year.

GOLDFIELD, DISTRICT OR MINING DISTRICT.	MEN EMPLOYED.	BY EXPLOSIVES.	BY FALLS OF GROUND.				IN SHAFTS.							BY MISCELLANEOUS UNDERGROUND.						ON SURFACE.				GROSS TOTAL.					
			Falls of sides.	Falls of roof.	Miscellaneous.	Total Falls.	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.	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	6																												
2. Pilbarra	206																												
3. West Pilbarra	5																												
4. Ashburton																													
5. Gascoyne																													
6. Peak Hill	346	1		1		1						1																	3
7. East Murchison	856	1		1		1						1																	3
8. Murchison	1,548	1		1	2	3	1																						8
9. Yalgoo	173																												
10. Mt. Margaret	2,126	1		3	1	4						1																	6
11. North Coolgardie	1,753	3	1	3		4																							
12. Broad Arrow	409			1		1																							1
13. North-East Coolgardie	752																												
14. East Coolgardie	6,313	4	1			1		1	1			1	1	4					1		1					1	1	11	
15. Coolgardie	1,330		1			1						1														1	1	3	
16. Yilgarn	294																												
17. Dundas	496																												
18. Phillips River	60																												
19. Donnybrook	82											1	1																1
Coal																													
{ Collie River Coal M.D.	383																												
{ Day Dawn D.	6																												
{ Mt. Malcolm D.	87																												
Copper																													
{ Northampton M.D.	7																												
{ Phillips River Gf.	151																												
{ West Pilbarra Gf.	70																												
{ Yandanooka M.D.	2																												
Limestone																													
{ Yilgarn Gf.	5																												
Tin																													
{ Greenbushes M.D.	201																												
{ Marble Bar D.	212																												
<b>Total, 1901</b>	<b>17,879</b>	<b>11</b>	<b>3</b>	<b>10</b>	<b>3</b>	<b>16</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>...</b>	<b>3</b>	<b>2</b>	<b>5</b>	<b>14</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>3</b>	<b>3</b>	<b>45</b>
Total, 1900	17,735	5	4	7	...	11	5	...	4	...	4	1	1	15	2	...	...	...	...	...	...	3	5	4	...	...	5	9	45
Comparison with 1900	+144	+6	-1	+3	+3	+5	-4	+1	-2	...	-1	+1	+4	-1	-2	...	...	...	...	...	...	-2	-4	-4	...	...	-2	-6	=



APPENDICES.

Directory of Miscellaneous Information (Corrected to 31st May, 1902.)

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.	Tin-dressing Plants.	Manager.	
1. Kimberley ...	...	...	* D. W. Green ...	Hall's Creek ...	...	...	...	...	...	...	Hall's Creek.
2. Pilbarra ...	Marble Bar ...	Axel Ostlund...	T. H. Hannah ...	Marble Bar ...	...	...	...	...	...	...	Bamboo Creek, Condon, Marble Bar, Port Hedland, (r) Warrawoona.
Do. ...	Nullagine ...	...	L. E. Sieveking ...	Nullagine ...	...	...	...	...	...	...	Nullagine.
3. West Pilbarra ...	...	* A. Madden	L. Prince ...	Roebourne ...	...	...	...	...	...	...	Balla Balla, Cossack, Pilbarra, Roebourne, Whim Creek.
4. Ashburton ...	...	...	* Abraham Phelps	Uaroo, via Onslow	...	...	...	...	...	...	Via Onslow.
5. Gascoyne ...	...	...	†	...	...	...	...	...	...	...	...
6. Peak Hill ...	...	C. U. Bagot ...	Gerald Horgan ...	Peak Hill ...	W. F. Greenard (Cue)	Ravelstone ...	10	...	...	F. H. Geary ...	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, Mt. Sir Samuel, Wiluna (Lake Way).
8. Murchison ...	Cue ...	A. Hicks ...	J. E. Geary ...	Cue ...	...	Tuckanarra ...	†10	...	...	...	(r) Cuddingwarra, Cue, Tuckanarra.
Do. ...	Nannine ...	...	F. E. Walsh ...	Nannine ...	...	Meekatharra ...	10	...	...	W. R. Jackson...	Abbotts, Nannine, Star of the East.
Do. ...	Day Dawn ...	...	†	...	W. F. Greenard (Cue)	Lennonville ...	10	1	...	G. A. Fleming...	Day Dawn, Lake Austin.
Do. ...	Mt. Magnet ...	...	W. O. Mansbridge	Mt. Magnet ...	...	Paynesville ...	†5	...	...	...	Lennonville, Mt. Magnet.
Do. ...	Do. ...	...	...	...	...	...	...	...	...	...	Gullewa, (r) Murgoo, Yalgoo.
9. Yalgoo ...	...	* *	J. M. Bridger ...	Yalgoo ...	...	...	...	...	...	...	Mt. Morgans.
10. Mt. Margaret ...	Mt. Morgans ...	A. E. Burt ...	W. H. Cocks ...	Mt. Morgans ...	...	...	...	...	...	...	Mt. Leonora, Mt. Malcolm, Murrin Murrin.
Do. ...	Mt. Malcolm ...	...	A. W. Martin ...	Mt. Malcolm ...	Josiah Crabb (Mt. Malcolm)	Mt. Leonora ...	10	...	...	J. M. D. Williams	Laverton.
Do. ...	Mt. Margaret ...	...	A. L. G. Lefroy ...	Laverton ...	...	...	...	...	...	...	Goongarrie, Menzies.
11. N. Coolgardie ...	Menzies ...	W. L. Owen ...	E. Y. Butler ...	Menzies ...	...	...	...	...	...	...	Davyhurst, Mulline, Mulwarrie.
Do. ...	Ularring ...	...	W. M. E. Anderson	Mulwarrie ...	...	Mulwarrie ...	10	...	...	John Twyford	...
Do. ...	Do. ...	...	...	...	J. O. Hudson (Menzies)	Mt. Ida ...	10	1	...	C. McMaster	Niagara, Kookynie.
Do. ...	Do. ...	...	...	...	...	Mulline ...	20	1	...	Samuel Evans	Yundamindera.
Do. ...	Niagara ...	...	H. E. D. Peers ...	Kookynie ...	...	Niagara ...	10	...	...	William Ey ...	Bardoc, Black Flag, Broad Arrow, Paddington.
Do. ...	Yerilla ...	...	†† E. Clark ...	Yundamindera ...	...	...	...	...	...	...	Kanowna.
12. Broad Arrow ...	...	* *	J. W. Brown ...	Broad Arrow ...	...	...	...	...	...	...	Bulong.
13. N. E. Coolgardie ...	Kanowna ...	P. Troy ...	G. F. Schloo ...	Kanowna ...	G. Jenkyn (Kanowna)	...	...	...	...	...	(r) Kurnalpi.
Do. ...	Bulong ...	...	H. L. Reid ...	Bulong ...	...	...	...	...	...	...	...
Do. ...	Kurnalpi ...	...	††† L.H. Thompson	...	...	...	...	...	...	...	...

14. East Coolgardie	...	J. M. Finnerty	M. J. Calanchini	Kalgoorlie ...	F. J. Lander ...	...	...	...	...	...	Boulder, Kalgoorlie, Kalgoorlie Rail.	
15. Coolgardie	Coolgardie ...	E. P. Dowley ...	H. W. Quodling ...	Coolgardie ...	Geo. Lightly (Coolgardie)	Widgiemooltha	10	...	...	G. Le Feuvre ...	Bonnie Vale, Boorabbin, Bulla Bulling, Burbanks, Coolgardie, Widgiemooltha.	
Do.	Kunanalling	...	°†	...			...	...	...	...	...	Kunanalling, Waverley.
16. Yilgarn ...	...	L. R. Davis ...	T. G. Collie ...	Southern Cross	...	...	...	...	...	...	Southern Cross.	
17. Dundas ...	...	P. L. Gibbons	W. Dawson ...	Norseman ...	W. M. Deeble ...	Norseman ...	10	1	...	T. M. Simpson ...	Balladonia, Norseman.	
18. Phillips River ...	...	F. W. Spence	...	Ravensthorpe	...	...	...	...	...	...	Hopetoun (Mary Ann Harbour) Ravensthorpe.	
19. Donnybrook ...	...	W. A. G. Walter	†	...	...	...	...	...	...	...	Donnybrook.	
<b>MINING DISTRICTS.</b>												
1. Northampton ...	...	...	...	Gustavus Varley Northampton... W. A. G. Walter Greenbushes ... Do. Raymond Gee ... Collie ...	...	...	...	...	...	...	Northampton.	
2. Yandanooka ...	...	...	...		...	...	...	...	...	...	...	Greenbushes.
3. Greenbushes ...	...	...	...		...	Greenbushes ...	5	...	1	E. Thorley ...	...	Collie.
4. Collie Coalfield ...	...	...	...		...	T. D. Briggs ...	...	...	...	...	...	...

<sup>1</sup>\* Acting Warden.

<sup>2</sup>\* Administered by Warden, Murchison Gf.

<sup>3</sup>\* Administered by Warden, N.E. Coolgardie Gf.

<sup>1</sup>† Administered from Ashburton.

<sup>2</sup>† Administered from Cue.

<sup>3</sup>† Administered from Kookynie.

<sup>4</sup>† Deputy Mining Registrar.

<sup>5</sup>† Administered from Bulong.

<sup>6</sup>† Administered from Coolgardie.

<sup>7</sup>† Administered from Greenbushes.

<sup>8</sup>† Assistant Registrar.

<sup>1</sup> ‡ Leased to H. Urquhart.

<sup>2</sup> ‡ Leased to W. H. Maynard.

(r) Telephone Station.

## 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 Mint charges are as follows :—

### *For Assaying, Refining, and Coinage.*

Gross Weight of Deposit in ounces.	Mint Charge.	Gross Weight of Deposit in ounces.	Mint Charge.	Gross Weight of Deposit in ounces.	Mint Charge.
Up to and including—	£ s. d.	Up to and including—	£ s. d.	Up to and including—	£ s. d.
48	0 10 0	420	4 7 6	1,500	11 9 2
50	0 10 5	430	4 9 7	1,600	12 1 2
60	0 12 6	440	4 11 8	1,700	12 14 8
70	0 14 7	450	4 13 9	1,800	13 6 2
80	0 16 8	460	4 15 10	1,900	13 19 8
90	0 18 9	470	4 17 11	2,000	14 11 8
100	1 0 10	480	5 0 0	2,100	15 4 2
110	1 2 11	490	5 2 1	2,200	15 16 8
120	1 5 0	500	5 4 2	2,300	16 9 2
130	1 7 1	520	5 6 8	2,400	17 1 8
140	1 9 2	540	5 9 2	2,500	17 14 2
150	1 11 3	560	5 11 8	2,600	18 6 8
160	1 13 4	580	5 14 2	2,700	18 19 2
170	1 15 5	600	5 16 8	2,800	19 11 8
180	1 17 6	620	5 19 2	2,900	20 4 2
190	1 19 7	640	6 1 8	3,000	20 16 8
200	2 1 8	660	6 4 2	3,100	21 9 2
210	2 3 9	680	6 6 8	3,200	22 1 8
220	2 5 10	700	6 9 2	3,300	22 14 2
230	2 7 11	720	6 11 8	3,400	23 6 8
240	2 10 0	740	6 14 2	3,500	23 19 2
250	2 12 1	760	6 16 8	3,600	24 11 8
260	2 14 2	780	6 19 2	3,700	25 4 2
270	2 16 3	800	7 1 8	3,800	25 16 8
280	2 18 4	820	7 4 2	3,900	26 9 2
290	3 0 5	840	7 6 8	4,000	27 1 8
300	3 2 6	860	7 9 2	4,100	27 14 2
310	3 4 7	880	7 11 8	4,200	28 6 8
320	3 6 8	900	7 14 2	4,300	28 19 2
330	3 8 9	920	7 16 8	4,400	29 11 8
340	3 10 10	940	7 19 2	4,500	30 4 2
350	3 12 11	960	8 1 8	4,600	30 16 8
360	3 15 0	980	8 4 2	4,700	31 9 2
370	3 17 1	1,000	8 6 8	4,800	32 1 8
380	3 19 2	1,100	8 19 2	4,900	32 14 8
390	4 1 3	1,200	9 11 8	5,000	33 6 2
400	4 3 4	1,300	10 4 2		
410	4 5 5	1,400	10 16 8		

For every additional 100ozs. the charge is increased by 12s. 6d.

NOTE.—Additional charges are collected when base metals in a deposit exceed 2 per cent. of its weight.

The following table illustrates the operation of these charges in the case of metal of the value of £3 17s. 10½d. per oz. :—

Weight of Deposit.	Rate of Charge per oz.	Amount of Charge.	Net Value of Deposit.
Ounces.	d.	£ s. d.	£ s. d.
50	2·5	0 10 5	194 3 4
100	2·5	1 0 10	388 6 8
600	2·3	5 16 8	2,330 8 4
1,000	2·0	8 6 8	3,885 8 4
5,000	1·6	33 6 8	19,435 8 4
10,000	1·5	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.	2½	
Burbanks	Do.	Fortnightly	0½	
Coolgardie	Do.	Do.	0½	
Cosmopolitan Proprietary, Ltd.	Do.	Monthly	1½	
Cue	Do.	Do.	3	
Field's Find	Do.	Do.	4½	
Geraldton	Do.	Do.	2	
Kalgoorlie	Do.	Fortnightly	0½	
Kanowna	Do.	Do.	0½	
King of the Hills	Do.	Monthly	2½	Special Rate for Perth Mint only.
Kookynie	Do.	Do.	1½	
Laverton	Do.	Do.	2½	
			3½	
Lawlers	Do.	Do.	2½	
Leonora	Do.	Do.	1½	
Menzies	Do.	Do.	0½	
Mt. Malcolm	Do.	Do.	1½	
Mt. Morgans	Do.	Do.	2½	
Mt. Sir Samuel	Do.	Do.	4½	
Munara Gully	Do.	Do.	3½	Special Rate for Perth Mint only.
Nannine	Do.	Do.	4	
Niagara	Do.	Do.	1½	
Norseman	Do.	Do.	2½	
Northam	Do.	Fortnightly	Nil	
			5½	
Peak Hill	Do.	Monthly	5	
			4½	
Southern Cross	Do.	Fortnightly	Nil	
			6½	
Wiluna	Do.	Monthly	6	
			3½	
Yalgoo	Do.	Do.	2½	Special Rate for Perth Mint only.
Yerilla	Do.	Do.	1½	

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 £3 17s. 10½d. For instance, supposing the Mint return to show:—

		Ozs.
Weight before melting	... ..	47·41
Standard gold	... ..	38·19
The calculation would be as follows:—		
47413819·0(·805	·805 × £3 17s. 10½d. =	
3792·8	·805 × £3·894	
	·805	
26200	19470	
23705	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.	

J. F. CAMPBELL,  
Deputy Master.

31st May, 1902.