

W. A. D. of M
189

1897

1898.

WESTERN AUSTRALIA.

R E P O R T

OF THE

DEPARTMENT OF MINES

FOR THE YEAR

1897.

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

PERTH:

BY AUTHORITY: RICHARD PETHER, GOVERNMENT PRINTER.

1898.

No. 25.

CONTENTS.

	Page
Report of the Under Secretary for Mines	5
Warden's Report on Kimberley Goldfield	22
Do. Pilbarra Goldfield	23
Do. West Pilbarra Goldfield	25
Do. Ashburton Goldfield	28
Do. Gascoyne Goldfield	30
Do. Peak Hill Goldfield	31
Do. Murchison Goldfield	33
Do. East Murchison Goldfield	36
Do. Yalgoo Goldfield	37
Do. Yilgarn Goldfield	39
Do. Coolgardie Goldfield	40
Do. East Coolgardie Goldfield	41
Do. North-East Coolgardie Goldfield (alluvial finds)	43
Do. North-East Coolgardie Goldfield (alluvial finds)	44
Do. North-East Coolgardie Goldfield	44
Do. Broad Arrow Goldfield	47
Do. North Coolgardie Goldfield	48
Do. Mount Margaret Goldfield	59
Do. Dundas Goldfield	68
Mining Registrar's Report on Collie Coalfield	71
Do. do. Greenbushes Mining District	72
Do. do. Northampton Mining District	72
Report by Inspector of Mines, Central Goldfields	73
Do. do. Jones' Well and Lennonville Centres (Murchison Goldfield)	75
Do. do. East Coolgardie Goldfield	77
Do. do. Dundas Goldfield	78
Do. do. North Coolgardie Goldfield	80
Do. do. Broad Arrow Goldfield	81
Report by Inspecting Surveyor, Eastern Goldfields	83
Report by Chief Draftsman	84
Gold Mining Statistics, 1897	87

TABLES.

List of Mining Accidents	16-18
List of Mining Companies registered in 1897	19-21
List of Plans and Maps for Sale	85-6

PLANS.

Sketch Plan of Alluvial Area at Kanowna, as known on 18th September, 1897	to face page 48
Diagram showing Gold exported up to 31st March, 1898	to face page 86

*Report of the Department of Mines, Western Australia,
for the year 1897.*

The Hon. H. B. Lefroy, M.L.A., Minister of Mines.

SIR,

Department of Mines, Perth, 30th April, 1898.

I have the honour to submit my Annual Report on the working of the Department of Mines, and the progress of the Goldfields, for the year 1897, with reports from the Wardens and other officers in charge of branches of the Department thereon, tables of Statistics, etc.

Although there was noticeable in the year's business a shrinkage of the Revenue in comparison with previous years, in my report of last year I referred to the firmer basis on which the Mining Industry rested, although the excitement and enthusiasm of earlier days on the fields had abated, and it is gratifying to find that subsequent events have shown that there is no reason for any anxiety as to the firmness of the industry now. In spite of the shrinkage in Departmental Revenue and the fluctuations of the monthly output, the export of gold for the year has much increased, and the number of gold mining centres has not decreased. The machinery has been largely added to, and new types of machinery have been erected to deal with the great variety of ore found, and now the establishment of large works on and near the coast for the scientific treatment of the large bodies of sulphide ore extracted will prevent their export, will lead to economy and the advantage of obtaining prompt and correct returns of the Colony's production, will also afford a local market for the fuel produced in the Colony, and possibly give a much needed stimulus to the copper and lead mining industry. The Railways have been still further extended, the towns present a more substantial appearance, the population has increased and is more permanent, more buildings for official dealings have been erected, and several necessary new offices supplied.

The value of mining machinery erected and put into motion during 1897 was not less than £170,000, bringing the total value to about £1,050,000. This however, does not include the value of a large amount of mining machinery in transit and in course of erection. The assent of the Legislature having been obtained for the erection of public batteries, the first steps have been taken for their erection.

The diagram of quarterly export, made up to the end of the year, will show that the whole of the amount of gold exported was 674,994ozs., which is $2\frac{2}{5}$ times as much as that exported in 1896, and within 25,000ozs. of the whole of the gold exported in the three previous years. It will be seen, also, that the amount exported in the last quarter of 1897 was nearly as much as that exported in the whole of 1895. The outlook still remains good, as it has been ascertained that the amount exported for the first quarter of the current year 1898 (which is generally that of smallest production) is almost as much as the last and greatest quarter of 1897, so that we have now arrived at the fact that the Colony, in one quarter, is exporting nearly as much gold as that exported in twelve months two years before.

By the Statistical Returns the general average per ton, however, is not so great, being now 1oz. 8dwt. 4grs. in comparison with 1oz. 13dwts. 2grs. per ton, as given in my supplementary report last year. No doubt this is attributable to the fact that many more mines are settling down to average work, and do not include the high returns of the first parcels of the specimen stone secured in the early developments of the mines, and largely owing, also, to the fact that many mines of rather lower grade stone, but yet very remunerative, have come into play, on account of the reduction in the cost of transit, and somewhat in the cost of labour.

It will be observed that a considerable amount has accrued to the revenue under the head of exemption fees. It was found necessary by the Wardens, especially in the far outlying regions, to make liberal recommendations until the opening of the railways and the clearance of good routes facilitated the work.

On the Collie Coalfield a great deal of exemption was asked for and allowed; the preliminary outlay in this branch of mining being necessarily so much heavier before any return could be expected, and the nature of the country offering so many obstacles to the carriage of machinery. All were awaiting the opening of the railway, which was making great progress at the end of the year. The output, therefore, from this field merely consisted of sample lots.

But we are now on the eve of the production and disposal of native coal throughout the Colony by the railway being constructed from the Brunswick Station on the South-Western Railway line, to be opened shortly, and we may hope that the large amount of coal imported during 1897 (namely: 137,174 tons, valued at £94,938) will be the last large annual importation.

The other minerals exported during the year were as follows:—

Copper, 86 tons, value	...	...	...	...	£1,033
Tin, 95½ tons, value	...	...	...	...	£3,275
Mica	...	...	...	...	£209

No doubt there was some divergence of capital from our industry caused by the startling reports of gold in Alaska on the Yukon River, and also the reported auriferous region in New Guinea.

The holding of a Mining Exhibition at Coolgardie has been proposed, and has now taken substantial form, a committee being got together and a piece of land in that townsite being set apart by the Government. The undertaking, however, appeared a large one, and was cautiously approached. No active operations had been commenced during 1897.

Mine Managers' Associations were formed at Coolgardie and other places, and some steps were taken towards securing uniformity of signals in mines. The department had already moved in this direction, with the valuable assistance of the Chief Inspector of Mines at Coolgardie and the Inspector of Mines at Cue, the previous year; but owing to its inability to enforce any special system, and from the fact that each of the various districts strongly advocated their own systems, nothing could be done. When the growth of the fields and the facilities of travelling from one place to another make our auriferous region one great united national property, and men move about as they list, it will be necessary to have a uniform code.

A West Australian Chamber of Mines was formed in London during the year, notwithstanding the apparent falling off in the interest which existed there in Western Australian ventures.

One of the features of the year's progress was the discovery of the large bodies of sulphide ores in the neighbourhood of Kalgoorlie in several of the mines—for instance: The Australia Group, the "Boulder Perseverance," the "Lake View

Consols," the "Kalgoorlie," "Brown Hill," and others, at depths below 120 feet. Great quantities of this ore were bagged and forwarded to the Eastern colonies for crushing at Dry Creek, the returns from which gave 6oz. or more per ton as a rule. The erection of smelting works at Fremantle by a private company was commenced, which will relieve the mining companies of the expense of export in future.

The following is the quantity of ore shipped over sea for treatment for half the year:—

Return from 30th June, 1897, to 31st December, 1897.

	Tons.
To United Kingdom	13
.. South Australia	7,425
.. Victoria	28
.. New South Wales	987½
Total	8,453½

The opening of the Seabrook Battery (which cost about £60,000) at Northam by the Water Trust Mining and Public Crushing Company of Western Australia, on the 10th of May, was an event of considerable importance. Forty head were put in motion, and increased a month after to 80 for a time. Several thousand tons of ore had been conveyed by rail from the Eastern Goldfields for treatment. The water was obtained from a large pool in the Mortlock River, and also from wells. This company also commenced the erection of large cyanide works, which will be completed in a few weeks and be capable of treating 600 tons per week.

An alluvial rush took place on Location 50, belonging to the Hampton Plains Estate, Limited, and some hundreds of men were engaged in sinking. On reference to the map it will be seen that this block lies in a probable gold streak between Mount Shea diggings and the Red Hill diggings, both of which are in a line, extending Southwards from Kalgoorlie. This, however, appeared to be failing until, by good luck, one of the holes was carried through the cement floor, and good gold was found beneath, which is still being worked.

AGRICULTURAL AREAS ON MINING FIELDS.—Although there has not been much demand for agricultural blocks on the goldfields, there have been many applications on the Collie and Northampton Mining Districts. On the former 3,700 acres have been granted, and on the latter about 13,000 have been applied for, of which 4,485 acres were granted. Both these districts being in the coastal regions, where agricultural settlement has been in vogue for years, it is only reasonable to expect these applications.

ASBESTOS.—Several finds of asbestos have been reported, and it was considered advisable to extend the time during which the bonus offered by the Government was notified in the *Gazette*; but no claims have been made thereunder, nor has any systematic working for this mineral been officially recorded.

COPPER AND LEAD.—A considerable revival in copper and lead mining has taken place in the Northampton and Lower Murchison Districts, and from the report of the Mining Registrar it will be seen that there are now 41 leases in force, and that the revenue accruing from the establishment of the Registrar's Office amounted to £853 8s. 6d. (This, however, includes stamp revenue to the amount of £365 10s.)

DANDALUP GOLDFIELD.—Public attention ceased to be directed to this goldfield during 1897. The very low grade of the ore and the hardness of the country had much to do with this, although the conditions are very favourable for working it if the percentage were a few pennyweights higher, or the processes cheaper.

Some considerable excitement raged at a place called Boojidup Brook, in the Sussex District, near the Margaret District, where a valley full of wash was said to be auriferous. A large number of protection areas were pegged out, on one or two of which holes were sunk to some depth, but the results were not encouraging, and the place was deserted.

In the townsite of Albany, on Mount Melville, certain parties reported the discovery of gold, and marked out protection areas. No great results, however, were brought to my notice, but the parties were still working on at the end of the year, and there appears no reason to doubt the existence of gold there.

MINING ON PRIVATE PROPERTY ACT.

As spect
Auriferous deposits were reported about 30 miles North from Newcastle terminus of the Eastern Railway on Avon Loc. 1830, and as the occasion appeared to demand some action similar to that in the Eastern colonies a Bill was laid before the House and assented to as the "Mining on Private Property Act of 1897." By its provisions the owner may arrange, himself, with the prospectors to grant leases, or the latter may require the inspection of the ground by an officer under the instruction of the Minister, and on his report that payable deposits exist, the land may be resumed under certain conditions of notice and compensation. No action under the new law was taken during 1897; but early in this year many of the prospectors have asked for an inspection, the results of which, however, do not come within the scope of this Report.

MINES REGULATION ACT.

The increasing number of mining plants on the fields, and the greater development of the mines, rendered it necessary to strengthen the staff of Inspectors to carry out the provisions of this Act, and in addition to the Inspectors already at work, viz., those at Coolgardie and Cue, Inspectors were appointed for Norseman, Kalgoorlie, Broad Arrow, and Menzies. The provisions of the Act were found to be difficult to carry out on certain points, and defective in others, and a draft Bill was prepared and placed before the Legislature. The objects specially aimed at were as follows:—The appointment of licensed surveyors; the better supply of plans of underground workings; the granting of second-class certificates to engine-drivers for driving engines on which human life did not depend; certain penalties not previously provided for; specific duties of inspectors of machinery; the power to make regulations; the conduct of inquests, and certain verbal corrections. I regret to state that the Bill, being brought forward late in the session, did not receive the consideration of the Legislature.

UNDERGROUND SURVEYS.

With the view of placing the Underground Surveys on a proper basis, and in order that the Department might be supplied with plans of underground workings of a reliable character, a Bill was prepared to establish a General Board of Examiners for the issue of licenses specially for underground surveys; and in anticipation of action in this respect, a preliminary Board was appointed, which decided upon a syllabus of examination based upon that of the Colony of Victoria, and although the range of subjects was considerable and somewhat deep, as ruling in that Colony, it was adopted, so that only Surveyors of the very first class should be enabled to undertake these underground surveys, that, in case of any inability to make check surveys at Government expense, the information to hand might be relied upon as correct, and sufficient to prevent those serious accidents and dangers which I am informed have been experienced in the Colony of Victoria. Owing to the increased expense that these surveys would entail upon mine owners, as one reason, and no doubt from other reasons which did not

come to light, there was much opposition to this Bill, and it did not become law. There is no doubt that, for the safety of the hundreds of men who are working at considerable depth, the present system of supplying plans of underground workings is not such as should be adopted. All underground workings should be recorded (although not necessarily made public), so that, as these workings approach one another from neighbouring mines, or as the workings of a living mine approach those of a dead one, all possibility of inrushes of water and falls of earth arising from ignorance of adjacent workings could be avoided.

The labours of the Inspectors during 1897 have been very arduous, and, as will be seen by their reports, they have thoroughly grasped their duties, as well as having, so far, acted as Boiler Inspectors. The new Steam Boilers Act, however, will relieve them for the future. I am happy to say that accidents have not been numerous; most of them have been due to the carelessness of the miners themselves, against which it is difficult to provide. A general table of accidents is attached. I am unable, however, to give the ratio per thousand as there is no means at present of arriving at the figures of the mining population with any degree of accuracy.

WATER BORING.

The bore which was put down by a diamond drill in search of water, at Coolgardie, having reached a depth of rather more than 3,000ft., without traversing practically anything but granite, except near the surface, was discontinued; nothing of an auriferous nature was found in it. Reservoirs have also been constructed by the Public Works Department at the places mentioned below, but there is still great reliance upon condensers, and the cost of living is greatly enhanced thereby.

GOLDFIELDS WATER SUPPLY.

Tanks completed on 31st December, 1897.

1. 42-Mile Tank
2. Parker's Range Reservoir
3. Londonderry Tank
4. Black Flag ..
5. Kanowna ..
6. Siberia ..
7. Speakman's ..
8. Mulline ..
9. Kalgoorlie ..
10. Bardoc ..
11. Goongarrie ..

Tanks in course of construction.

1. Niagara Reservoir
2. Broad Arrow Tank
3. Bulong ..
4. Menzies ..
5. Widgiemooltha ..
6. 50-Mile Rock ..

I may add that evidences of coal were found at a depth of 135ft. while boring at Geraldton.

REGULATIONS.

In order to overcome the difficulties which were still being found in the Mining Laws as the Industry progressed, several amendments have been made in the Regulations.

In January, Regulation 5, in connection with Protection Areas, was amended, tending to enlarge the operations of the prospector, and provision was made restricting the Reward Claim which he might acquire.

In May, Regulation 93, in connection with the labour conditions, was amended so as to relieve leaseholders of the great cost of working mines in the early stages of development, and the conditions were made specially easy when the land held was virgin ground.

In June the Schedule of Quarterly Returns was amended so as to supply more detailed information for the compilation of statistics from Machinery Areas.

In July Regulation 130 was amended so as to facilitate the execution of transfers in outlying districts.

In July, also, Regulation 102A was inserted in order to secure costs on applications for forfeiture of leases, so as to prevent frivolous complaints being lodged leading to the loss of time and money to the defendant.*

In July, also, Regulation 98, and the Schedules thereunder in connection with Quarterly Returns from leaseholders, were amended to ensure promptitude and accuracy in the compilation of statistics.

In August Regulation 47 was extended so as to include poultry farming.

In August, also, Schedule 35 was extended so as to include fees for the transfers of defaulting shareholders' interests in claims and leases.

In October Schedule 33, under the Mineral Lands Act Regulations, was amended so as to assimilate the Survey Fees under the Mineral Lands Act to that of the Goldfields Act.

In November Regulation 16A was inserted to provide for the registration of Alluvial Claims when required.

In November, also, Regulations 40 and 41 were amended so as to extend the Warden's jurisdiction in the registration of areas "as to locality."

NEW GOLDFIELDS.

In March it was found necessary to cut off from the North Coolgardie Goldfield the Northern portion, and declare it as a separate goldfield, namely, the MOUNT MARGARET GOLDFIELD, of which Mr. A. E. Burt was placed in charge as Warden. It was, at the same time, divided into two districts, the Mount Margaret to the Eastern side, and the Mount Malcolm to the Western side. After inspecting the scene of his labours, Mr. Burt decided to make his headquarters at Mount Malcolm, which, although not such a well known or as old a centre as Mount Margaret, appeared to him to be making greater strides. After events have proved the correctness of his judgment. There does not seem any probability of any extension Eastward from the boundaries of the Gascoyne and Ashburton Goldfields, if we may judge from the results of an expedition made during the last few months of 1897, by Mr. Carnegie, who traversed the region between Mount Margaret and the South boundary of the Kimberley district. His report, which was made known early in 1898, was very discouraging as regards the existence of any great extent of auriferous country in that locality.

The area of the NORTH COOLGARDIE GOLDFIELD having been curtailed by the above action, and its boundaries re-arranged, opportunity was taken to divide it into the districts of Ularring to the Westward, Menzies to the Southward, Yerilla to the Eastward, and Niagara, a small portion of the North part. The Warden's principal Court was still left at Menzies, and a Warden's Court was opened at Niagara, on the repeated requests of the miners in that centre to be relieved from their long journeys to Menzies. The business in the Ularring district was very scattered, and not sufficient to justify the establishment of a court therein. The work was, therefore, done as before, at Menzies. A Warden's Court was already in existence at Yerilla.

THE EAST MURCHISON GOLDFIELD was slightly altered and reduced on the South by a small portion thrown into the new Mount Margaret Goldfield. There was no neces-

* Although, no doubt, Regulation 102A has had the effect sought for, it may also have had a deterrent effect against many reasonable complaints, and thus, to some extent, reduced the Revenue; but this latter is not a matter of regret, as it cannot conduce to the welfare of the industry to swell the Revenue by the fees received from litigants, who probably waste a good deal of their funds in the litigation itself, which funds would be far better spent in developing their ground.

sity to increase the number of courts in this field during the year, although some of the centres were at a considerable distance from its head office at Lawlers.

PEAK HILL GOLDFIELD was established in March, and Mr. C. U. Bagot, the Mining Registrar of Cue, placed in charge as Warden. This mining centre had hitherto been a small provisional goldfield, and also was the mining centre of Horseshoe Bend, near Mount Beasley, both under the jurisdiction of the Warden of the Murchison Goldfield, who visited each place once a quarter; but the increasing importance of Peak Hill seemed to justify the incorporation of both centres in one field of considerable dimensions. Business increased so much as to attract the attention of a London syndicate. After inspection by their agent, a group comprising the best blocks was operated by large company, and such vigorous action was taken that before the end of the year the output added 15,058ozs. to the Colony's gold production.

In June the boundaries of the ASHBURTON GOLDFIELD were amended and the field somewhat reduced in area. The country between it and the Peak Hill Goldfield was declared as the GASCOYNE GOLDFIELD. This action was taken so as to administer the Goldfields Act at the newly found and highly promising centre of Bangemall, near the junction of the Frederick River with the Lyons River. Mr. H. G. Wright was placed in charge as Warden. On reaching the Ashburton field, after a long and arduous journey, *viâ* Onslow and the course of the Ashburton River, he fixed his headquarters near Mount Mortimer.

In August the Northern portion of the Coolgardie Goldfield was declared a separate district of that field, and a Warden's Court declared at Kumanalling (known as the 25-Mile).

In January the claims of the COLLIE COALFIELD made it necessary to establish an office thereon, and Mr. W. A. G. Walter, the Mining Registrar of the Greenbushes Tinfield, was asked to visit the Collie, and act as Mining Registrar. A large quantity of land being taken up under leases for coal mining, and a number of areas being pegged out for residence and business, it was found necessary to supply him with a resident clerk, and on Mr. Walter's departure on six months' leave in June, the clerk, Mr. M. R. Bunbury, was appointed as Mining Registrar. The boundaries of this coalfield were altered on the Northern part in September, as the carboniferous deposits did not appear to extend in that direction, and the land was required for agricultural settlement.

On the 1st January the NORTHAMPTON MINING DISTRICT was established. This was an old mining field for copper and lead, and about thirty years ago was in a prosperous condition, but, owing to the price of these minerals falling, the industry completely died out about twenty years ago. Attention has, however, recently been drawn to copper mining, and the land being sought for again, the district was declared under the existing Act, and, in May, Mr. G. Varley was appointed Mining Registrar, his office being at Northampton. The duties had been previously carried out by the Government Resident in Geraldton, inconveniently both to himself and the public. The boundaries of the field which, at first, had necessarily included Geraldton, were reduced so as to leave out some miles of the Southern portion not known to be metalliferous.

In November, owing to some deposits of copper being found in the neighbourhood of Yandanooka, near the Northern end of the Midland railway, a mining district was proclaimed, but it was not considered necessary to establish a court thereon; the applications and other business being left to be dealt with by the Mining Registrar of Northampton, when he could conveniently visit Yandanooka.

Towns.—A large number of towns have been declared on the goldfields during the year, viz. :—

	Bonnie Vale.	In North-East Coolgardie Goldfield	{ Gordon.
	Burbanks.		{ Mulgarrie.
	Dunnsville.	In East Coolgardie Goldfield ...	{ Boorara.
	Kambalda.		{ Black Flag.
In Coolgardie Goldfield ...	Kintore.	In Broad Arrow Goldfield ...	{ Paddington.
	Kundana.		{ Windanya.
	Widgiemooltha.		{ Malcolm.
	Wongi.	In Mount Margaret Goldfield ...	{ Mount Margaret.
	Callion.	In Yilgarn Goldfield ...	{ Jackson.
In North Coolgardie Goldfield ...	Linden.	In Yalgoo Goldfield ...	{ Noongal.
	Mulline.	In Peak Hill Goldfield ...	{ Peak Hill.
	Tampa.	In East Murchison Goldfield ...	{ Sir Samuel.

There is no doubt that it is as well to have a nucleus of business at each mining centre, where the necessary duties of certain departments may be performed; but in some cases the rush to peg out Residence and Business Areas was so great, that the settlement far exceeded the limits of the proclaimed townsite area. Section 30 of the Goldfields Act contemplated the extension of the boundaries of the townsite so as to include such holdings, and made provision for the purchase by the occupants of their areas as town lots, under certain conditions. The townsites of Kalgoorlie and Boulder were so run upon, and the surrounding ground so pegged out as areas, that considerable discussion ensued as to the rights held by the occupants. In some cases areas had been pegged out and registered on the surface of gold mining leases, and the owners of these leases apparently considered that it would be more to their profit to surrender the leases in consideration of some superincumbent areas being granted to them in fee simple. An enormous volume of correspondence resulted in some cases, until the matter became so intricate that it was necessary to take some decisive action.

The Lands Department considered it necessary to extend the boundaries of these townsites to a very great extent, and a number of applications for purchase of areas resulted, claims to them being good, bad, and indifferent. Towards the end of the year, however, a scheme was suggested, which met with the Minister's favour, and was consequently established, by which a certain area in the vicinity of each town was set apart for residence areas, subject to the provisions of Section 30 aforesaid; and there was also set apart in the vicinity of each town another area to be cut up into what were termed "Free Areas." These were for the occupation of miners and artisans, etc., at a rental of 10s. each, annually, and were not to be included in the townsites. In my opinion, the dual control of lands on goldfields which leads to the existence of separate schemes of survey over the same areas is inadvisable; but the whole question will, no doubt, be thoroughly considered before the passing of any new Act, and with the deliberations of the Royal Commission on Mining before you. The remarks made by the Inspecting Surveyor, on the Eastern Goldfields, in paragraph five of his report, in the Appendix, as to the power of resumption from leases for residence purposes, are worthy of consideration.

Some consideration was given to the preparation of a new Gold Mining Act, but the matter was so large and important, and the time of the Minister and the Department so occupied, that it was found impossible to lay a Bill before the House, and for the reason too that no report had been received, as expected, from the Royal Commission on Mining, which was appointed to sit for three months, from the 20th August, 1897. In fact the labours of the Commission were found to be so great that the time of their sitting was extended for several months, and, therefore, the preparation of a Bill was postponed until the session of 1898.

DEPARTMENTAL.

The most important matter during the year was the erection of a new wing in which the Lithographic Branch of the Department might be carried on, and this was occupied towards the close of the year, enabling me to dispense with the occupation of

the premises rented in Barrack Street. The machinery was moved, and no new machinery purchased beyond the necessary fittings required for pulleys, shafting, etc. I beg to refer you to the report of the Chief Draftsman, which shows the amount of work done during the year.

STAFF.—With the few additions it was necessary to make on the fields and at head office to meet public requirements, the number of officers on 31st December consisted of the following:—

Head Office Staff—

Correspondence Branch	...	...	...	...	16
Revenue Branch	...	...	...	...	4
Registration Branch	...	...	...	...	15
Drafting Branch	...	...	...	...	20
			{ Plan Room Draftsmen	8 }	
			{ Lithographic Draftsmen	3 }	
			{ Junior Draftsmen	3 }	
			{ Printers and Machinists	6 }	
General	...	...	...	...	5

Goldfields Staff—

Wardens	...	...	...	...	15
Do. Acting	...	...	...	...	1
Mining Registrars	...	...	...	...	28
Do. do. Assistants	...	...	...	...	12
Draftsmen	...	...	...	...	16
* Clerks and Assistants	...	...	...	...	42
Inspecting Surveyors	...	...	...	...	2
*Do. do. Assistant	...	...	...	...	1
Field Surveyor	...	...	...	...	1
Inspectors of Mines	...	...	...	...	5
Inspector of Public Batteries	...	...	...	...	1

Correspondence in Head Office during the year was as follows:—

Papers registered	...	...	10,184
Letters and Wires despatched	...	...	16,000

LEASES.—The number of Mining Leases applied for during 1897 is given in the following table:—

Kimberley	Goldfield	...	...	...	Nil	
Pilbarra	do.	...	...	...	19	} 29
Do.	do.	...	Nullagine	...	10	
West Pilbarra	do.	...	...	...	7	7
Ashburton	do.	...	...	...	1	1
Gascoyne	do.	...	...	...	3	3
Peak Hill	do.	...	...	...	62	62
Murchison	do.	...	...	...	26	} 135
Do.	do.	...	Day Dawn	...	21	
Do.	do.	...	Mount Magnet	...	68	
Do.	do.	...	Nannine	...	20	
East Murchison	do.	...	...	...	20	20
Yalgoo	do.	...	...	...	34	34
Mount Margaret	do.	...	...	...	81	} 128
Do.	do.	...	Mount Malcolm	...	47	
North Coolgardie	do.	...	...	...	31	} 126
Do.	do.	...	Yerilla	...	37	
Do.	do.	...	Niagara	...	26	
Do.	do.	...	Ularring	...	32	
North-East Coolgardie	do.	...	Kurnalpi	...	22	} 138
Do.	do.	...	Kanowna	...	59	
Do.	do.	...	Bulong	...	57	
Broad Arrow	do.	...	...	...	72	72
	Carried forward	...	...	...		<u>755</u>

* Including 8 Caretakers, 7 Chaimnen, 2 Messengers, 2 paid Bailiffs.

	Brought forward	...	...	...	755
East Coolgardie	Goldfield	...	...	...	142
Coolgardie	do.	...	...	...	141
Do.	do.	...	Kunanalling	...	76
Yilgarn	do.	...	...	...	9
Dundas	do.	...	...	...	84
	Total	...	...	...	1,207

Applications received for Mineral Leases from 1st January to 31st December, 1897.

Collie Coalfield	...	...	...	...	68
Northampton	...	...	...	...	41

THE REGISTRATION BRANCH has been kept fully occupied, and though there has been a falling off in the transfers, this has been more than balanced by the other transactions connected with the existing leases, which have to be carefully recorded in the registers; and the further sub-division of goldfields has required the opening of new sets of books in duplicate. The system of appointing a few extra clerks in past years so as to train them to fill posts falling vacant on the fields has had a wonderful effect towards the accuracy of the records at the present. Owing to the hurry of earlier days and rawness of many of the officers appointed, the books at most Wardens' offices required much correction, and in some cases entire renewal. With the assistance of these trained officers the work of the Inspecting Registrar, who was appointed during the year to act under the Registrar's directions, was rendered practicable, and I am informed that the records throughout the fields have now been brought into strict consonance with those of the head office, and will stand the closest scrutiny. The evasion of stamp duty, which was so frequently suspected, and even detected, prior to 1896, from the absence of a competent Head Registrar, is now completely prevented, and by pressure in dealing with subsequent transfers, this officer has managed to secure the payment of a number of old stamp duties which would have been lost.

The number of transfers registered in 1897 was 2,165, bearing duty to the extent of £21,429 7s. 4d. This is apparently a large falling off from the amount which so accrued during 1896, but from my previous remarks it will be understood that this revenue in 1896 carried a good deal which should have been paid before, so the falling off is not really so great as it appears.

The Caveats lodged amounted to 456, and the Liens to 64. There is now open for public inspection an alphabetical index of all the people interested in leases, which is of the greatest use to the Department as well as to the public.

THE STATISTICAL BRANCH was organised early in the year. Its early labours were much hampered by the great difficulties in obtaining the prompt and accurate returns required, but by the amendments of the schedules a better system was brought into play, and quarterly reports were issued as well as monthly notices of the crushing returns in the *Government Gazette*. This branch is now most useful to the Department and the country, and I am enabled to attach a report made up to the end of March of the current year, to which I would draw your particular attention for its comprehensiveness. Nothing can do more than these statistics to increase confidence in our goldfields in the eye of the world; and when we also remember that the Right Hon. the Premier, during his visit to London on the celebration of Her Majesty's Diamond Jubilee, addressed large assemblies, and assured them he would do all he could to assist the British capitalist, and that the Mining Laws so cavilled at would be revised at the earliest opportunity, prophesying at the same time that, in two years hence, this Colony would be the largest producer of gold in the Australian group (a prophecy which seems likely to experience an earlier fulfilment), we need have little cause of anxiety for the future.

The revenue and expenditure are shown in the following table:—

Table of Total Revenue, Mines Department, under various heads.

	Lease rents. Mineral Lands Act.	Other sources. Mineral Lands Act.	Lease rents. Goldfields Act.	Other sources. Goldfields Act.	Survey Fees.	Examination Fees.	Exemption Fees.	Total.
Received at Treasury	£ s. d. 1830 13 3	£ s. d. 734 18 6	£ s. d. 62398 8 4	£ s. d. 24336 12 7	£ s. d. 14259 6 0	£ s. d. 1092 4 0	£ s. d. 16518 9 0	£ s. d. 121170 7 9

Revenue received on Goldfields and Mining Districts.

Goldfield.	Lease rents. Mineral Lands Act.	Other sources. Mineral Lands Act.	Lease rents. Goldfields Act.	Other sources. Goldfields Act.	Survey Fees.	Examination Fees.	Exemption Fees.	Total.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Kimberley	...	...	13 0 0	46 0 0	...	...	...	59 0 0
Pilbarra	...	...	1053 0 0	484 4 6	219 10 0	...	215 2 0	1971 16 6
West Pilbarra	68 10 0	30 16 0	498 8 0	172 1 6	141 4 0	...	132 6 0	953 5 6
Ashburton and Gascoyne (½-year)	...	...	24 0 0	56 3 0	...	...	...	80 3 0
Peak Hill (¼-year)	...	...	481 15 0	152 9 6	381 0 0	...	54 0 0	1069 4 6
Murchison	3 8 9	24 10 0	4218 4 0	2253 14 9	819 18 0	100 0 0	1075 9 0	8495 4 6
East Murchison	...	0 15 0	2186 5 0	502 10 0	167 0 0	...	...	3399 4 0
Yalgoo	...	1 5 0	1140 5 0	524 16 3	197 0 0	20 10 0	394 7 0	2278 3 3
Yilgarn	10 0 0	8 15 0	1212 19 0	203 14 4	85 1 0	...	336 19 0	1857 8 4
Coolgardie	30 8 9	15 19 0	4169 15 0	2482 18 2	1251 16 0	631 11 3	1285 8 0	9868 7 2
East Coolgardie	46 8 9	8 2 0	11059 13 0	4553 4 0	2448 13 0	160 0 0	3559 8 0	21835 8 9
North-East Coolgardie	7 10 0	4 14 0	6328 15 0	2377 10 6	1498 2 0	...	2476 6 0	12692 17 6
Broad Arrow	7 15 0	3 19 0	3664 7 0	1478 1 6	614 18 0	109 19 9	1035 14 0	6914 14 3
Dundas	...	...	3358 14 0	29 15 6	718 13 0	...	527 2 0	4634 4 6
North Coolgardie	6 13 0	...	9064 1 0	3599 9 10	1282 0 0	39 10 0	2460 3 0	16451 16 10
Mount Margaret	...	...	1527 7 0	827 6 0	1000 0 0	...	567 13 0	3922 6 0
Collie Coalfield	782 3 6	277 4 6	...	...	691 10 0	...	87 11 6	1838 9 6
Northampton Mining District	171 10 3	53 17 7	...	...	123 6 0	...	134 8 0	483 1 10
	1134 8 0	429 8 1	49010 8 0	19744 19 4	11639 11 0	1061 11 0	14884 10 6	98804 15 11

DEPARTMENT OF MINES.

Expenditure for year ended 31st December, 1898.

	Amount.
	£ s. d.
Salaries, Fixed	12,083 12 1
Salaries, Provisional and Temporary	29,716 6 11
Allowances	1,751 4 0
Incidental Expenses	8,606 1 10
Postage and Telephone Rent	1,239 2 7
Foreign Telegrams and Stationery	3,237 17 0
Surveys on Goldfield	3,272 17 11
Travelling Expenses	5,597 6 7
Survey of Gold Mining Leases	36,872 3 7
Examination of Engine-drivers	886 12 8
Exemption Fees	3,723 6 6
Prospecting for Tin	51 6 0
Rent of Lithographic Office	90 0 0
Public Batteries	44 5 8
Royal Commission on the Mining Laws	1,033 16 9
Incidental Expenses, Geological	456 13 3
Stationery, do.	133 14 9
Travelling Expenses, do.	176 17 7
Outfit of Laboratory, do.	155 15 5
	£109,129 1 1

I have, etc.

HENRY C. PRINSEP,

Under Secretary for Mines.

INSPECTION OF MINES.

Table showing the Number, Date, and Nature of Mining Accidents on the Eastern Goldfields during the year 1897, with the Names of the Sufferers and other Particulars.

Accident No.	Date.	Name of Mine.	Name of Gold-fields District.	Name of Sufferer.	Nature of Injuries.	Killed.	Injured.	Cause of Accident.
1	January 9th ...	Hill End ...	Broad Arrow ...	H. B. Eisenhardt ...	Fractured finger ...	...	1	Jumper falling through hole in the bucket down shaft.
2	Do. 12th ...	Try It (Paddington) ...	Do. ...	Thos. Gilbert ...	Striking head and shoulders ...	...	1	Fell down shaft, about 4ft. or 5ft. into 5ft. of water.
3	Do. 28th ...	Lake View South (Kalgoorlie)	E. Coolgardie ...	John Brokenshire ...	Face shattered, left jaw carried away	1	...	Thinking two charges had gone off with one report, the man went down to resume work, when second shot exploded, causing the accident.
4	Do. 28th ...	Iron Duke (Kalgoorlie) ...	Do. ...	Henry Davis ...	One ankle fractured, the other injured. Death due to profound collapse caused by shock from fall	1	...	Falling down shaft while being lowered by his mates. When there were about four or five turns left on the barrel, the rope slipped and came off.
5	February 1st ...	Australia (Kalgoorlie) ...	Do. ...	Charles Golding ...	Neck dislocated, death being caused by pressure on spinal column	1	...	Fell down costeen, 4ft. deep, when walking home at night.
6	Do. 2nd ...	Mount Charlotte (Kalgoorlie)	Do. ...	Daniel McAmoney ...	Arm slightly injured ...	...	1	Stone falling out of bucket down shaft.
7	Do. 6th ...	Polar Star (Cue) ...	Murchison ...	John Cantelo ...	Severe scalp wounds ...	...	1	Ascending a winze by means of the stubbs in the sides, stumbled, falling about 4ft., striking his head. No ladder way provided.
8	March 6th ...	St. Albans (Menzies) ...	N. Coolgardie ...	Robert Young ...	Slight contusions to face ...	...	2	Explosion in drive of a "missed hole" from a day previous.
	Do. 6th ...	Do. ...	Do. ...	Benjamin Lear ...	Face and eyes injured, being battered with small pebbles	...		
9	Do. 13th ...	White Feather Reward (Kanowna)	N. E. Coolgardie	Edward Long ...	Broken thigh ...	...	1	Fall of stone from wall of stope.
10	Do. 14th ...	Red Hill (Lake Lefroy) ...	Coolgardie ...	Michael Tierney ...	Badly bruised ...	...	1	Fell down shaft, 40ft. Hook broke.
11	Do. 19th ...	Princess Margaret (Bulong)	N.E. Coolgardie	John Walker ...	Injury to and loss of sight one eye	...	1	Explosion of dynamite. Returning to place of labour too soon after charge had "missed fire."
12	Do. 22nd ...	Elvira (Coolgardie) ...	Coolgardie ...	John Thomas ...	Leg broken ...	...	1	Fall of stone in shaft.
13	Do. 23rd ...	Hanover (Coolgardie) ...	Do. ...	Richard Bennett ...	Head badly cut ...	...	1	Stone.
14	Do. 31st ...	Mount Charlotte ...	E. Coolgardie ...	Charles Milson, Ken. Wilson, Jno. Murphy, Jno. Witchcraft, William McGauchie, and Frank McAdam	Suffocation from inhaling fumes of dynamite	6	...	Burning of nitro-glycerine compound, and explosion of detonators at the 300ft. level.
15	April 3rd ...	Eclipse (Kalgoorlie) ...	Do. ...	Jno. Warren ...	Sprained ankle and sundry bruises ...	...	1	Fell down shaft 50ft. into well.
16	Do. 12th ...	Cresus No. 1 North (Kalgoorlie)	Do. ...	Joseph Lamb ...	Injured head, arm, and shoulder	...	1	Explosion of dynamite in a "missed hole."
17	Do. 13th ...	Butterfly G.M. (Coolgardie)	Coolgardie ...	Michael Tierney ...	Both legs broken, back seriously injured; right leg afterwards amputated	...	1	Hook broke, causing the man to fall a distance of about 43ft.
18	Do. 14th ...	Victoria Reef (Mount Jackson)	Yilgarn ...	Robert Dressley ...	Hands shattered and arms broken ...	...	1	Explosion of dynamite in a "missed hole."
19	Do. 20th ...	Lady Bountiful (Black Flag)	Broad Arrow ...	Wm. Williams ...	Slightly injured ...	...	1	Explosion of dynamite in shaft.
20	Do. 21st ...	Lake Aurum (Taurus) ...	N.E. Coolgardie	Jno. Wright ...	Strained and sprained muscles and sinews	...	1	Fall of earth in shaft when putting in opening set.
21	Do. 22nd ...	Desirable (Norseman) ...	Dundas ...	George Calafates ...	Broken leg ...	...	1	Fall of earth while putting in timber.
22	Do. 27th ...	Brown Hill Central East (Kalgoorlie)	E. Coolgardie ...	A. B. Robertson ...	Left elbow slightly injured, shoulder strained	...	1	Fell out of sling.
23	May 1st ...	Hannans 100 acres (Kalgoorlie)	Do. ...	W. Andrews and S. Matthews	Slight injuries ...	...	2	
24	Do. 4th ...	Black Flag Proprietary	Broad Arrow ...	W. Weisight ...	Severe bruises and cut head ...	...	1	Fell from staging to bottom of ore bin.
25	Do. 15th ...	Bank of England (Kalgoorlie)	E. Coolgardie ...	Thos. Gray and Jno. Hulham	Bruises and sprain ...	...	2	Too rapid descent of bucket in shaft.
26	Do. 17th ...	No. 1 Londonderry ...	Coolgardie ...	Jno. Wallace ...	Smashed skull ...	1	...	Splice of rope gave way causing bucket to fall down shaft on deceased.
27	Do. 25th ...	Victory United (Cuddingwarra)	Murchison ...	John Harris ...	Killed by wall-plate falling on him	1	...	Concussion of very heavy shot shifted timber; man did not notice it when going down shaft.
28	Do. 28th ...	Burbank's Birthday Gift	Coolgardie ...	A. Paull ...	Broken leg ...	...	1	Hook breaking, causing bucket to fall down shaft.

29	Do. 31st	United Scotchmen (Dundas)	Dundas	M. Gollan	Injury to spine, ultimately causing death	1	...	Fall of earth.
30	June 1st	Lady Shenton (Menzies)	N. Coolgardie	John Kirkpatrick	Leg bruised	1	...	Caught between cage and side of shaft.
31	Do. 2nd	Golden Ridge Proprietary (Kalgoorlie)	E. Coolgardie	Henry Pettit	Leg broken	1	...	Falling of ore bags down shaft, through insecure sling.
32	Do. 5th	Sherlaw (Coolgardie)	Coolgardie	Stewart Graham	Right leg seriously injured, two ribs broken, back badly bruised, left hip injured	1	...	Fell down shaft, about 50ft.
33	Do. 8th	Haman's 100 Acres (Kalgoorlie)	E. Coolgardie	W. Kellie	Injury to head, causing death	1	...	Fall of a piece of timber down shaft, striking man on the head.
34	Do. 25th	Rome Consolidated (Coolgardie)	Coolgardie	George Kendall	Head cut deeply	1	...	Stone falling down shaft out of bucket.
35	July 5th	Boulder Perseverance (Kalgoorlie)	E. Coolgardie	William Beard	Arm badly broken	1	...	Fell from stull piece to stull piece, about 25 or 30ft.
36	Do. 12th	Sherlaw (Coolgardie)	Coolgardie	Daniel Meather	Fractured spine	1	...	Stone falling down shaft, striking man and knocking him off the bar where he was working.
37	Do. 24th	Central Boulder (Kalgoorlie)	E. Coolgardie	James McCarthy, John Duffy, and John Ryder	Lungs affected through inhaling fumes of burning dynamite	3	...	Explosion of dynamite in crosscut, caused by some loose papers becoming ignited.
38	Do. 26th	Goongarrie	N. Coolgardie	Michael Madden	Fractured skull, arms, and back	1	...	Fall from a skeleton cage in the main shaft.
39	Do. 28th	Bank of England (Kalgoorlie)	E. Coolgardie	Walter Eddy	Broken jaw	1	...	Placed his head in shaft when cage was descending.
40	Do. 30th	Burbank's Birthday Gift	Coolgardie	R. Davis	Severe cuts on forehead	1	...	The man let windlass handle slip, and was struck by it on forehead.
41	Do. 31st	W.A. Cement Leases (25-Mile)	Do.	Jno. Carmichael	Leg broken	1	...	Battery lift man fell into lift well.
42	August 4th	Crescent North Extended (Kalgoorlie)	E. Coolgardie	Jno. McNamara	Arm puncture by point of pick	1	...	Fall of a driving pick from bucket in shaft.
43	Do. 23rd	Boulder Perseverance (Kalgoorlie)	Do.	John Mackay	Broken arm, and several cuts and bruises	1	...	After lighting the fuses of the two holes in the 300ft. plat, the man was ascending to the above level, when he missed his foothold and fell back into the plat, thus exposing himself to the explosion.
44	Do. 23rd	Waringee (Mt. Magnet)	Murchison	G. N. Coatman	Broken leg	1	...	Was working near prop or stay, loosened it, when it slipped and fell across his leg.
45	Do. 23rd	Australia (Kalgoorlie)	E. Coolgardie	Josiah Wrigley	Drowning	1	...	Man fell into a vat of cyanide solution, through being overcome by fumes whilst stirring the cyanide, and was drowned.
46	Do. 25th	Golden Bar (Coolgardie)	Coolgardie	William Lonsdale	Back hurt slightly	1	...	Some quartz fell away from wall, striking man while in a kneeling position.
47	Do. 26th	Ormuz (Kintore)	Do.	Thomas Martin	Eyes slightly injured, a few scratches, etc.	1	...	Explosion of dynamite in a hole near surface, throwing man out of it, a distance of six or seven feet.
48	Do. 26th	25-Mile Sugar Loaf Cement Leases	Do.	Alex. Haddon	A few bruises	1	...	Fell about 15ft. down winze.
49	Do. 27th	Young Australia (Malcolm)	N. Coolgardie	William Langford	Cardial syncope	1	...	Dynamite explosion.
50	September 9th	Golden Bar (Coolgardie)	Coolgardie	Charley Jno. Pillage	Cuts on arm, leg, and head, afterwards developing erysipelas in hospital	1	...	Drawn to the belting by the loose sleeves of his shirt coming into contact with it.
51	Do. 12th	Golden Treasure (Kalgoorlie)	E. Coolgardie	P. Quinn	Four fingers severed	1	...	Hand entangled in engine gear.
52	Do. 16th	Royal Group (Menzies)	N. Coolgardie	Wm. McGee	Bruised leg	1	...	Fall of hanging wall while timbering.
53	Do. 20th	Haman's Public Battery (Kalgoorlie)	E. Coolgardie	Jno. Stoker	Arm broken	1	...	Fell while about gear of Berrian Pan.
54	Do. 21st	Golden Bar (Coolgardie)	Coolgardie	Wm. Medcalf	Slightly injured	1	...	The man, thinking the hole he had charged had missed fire, went back to re-light it, when the explosion went off.
55	Do. 22nd	Mainland Consols	Murchison	H. Faulkner	Eyesight damaged slightly, also hand	1	...	Was charging hole, put two caps on fuse, then in mistake held candle to one cap which exploded.
56	Do. 23rd	Gullewa Queen (Yalgoo)	Yalgoo	Archibald McCulloch	Bruised and severely shaken	1	...	Fell down shaft about 7ft.
57	Do. 27th	Lake View South (Kalgoorlie)	E. Coolgardie	D. J. Virgo	One arm and leg broken	1	...	Fell while erecting battery plant.
58	Do. 29th	Hill End (Broad Arrow)	Broad Arrow	John Alday	Slight scalp wound	1	...	Guide slipping past cleat on runners, men engaged in the shaft.
59	Do. 30th	Do.	Do.	Andrew Gleeson	Broken leg	1	...	Fell from bucket, about 30ft.
60	October 7th	Oaklands (Murrin Murrin)	N. Coolgardie	Thos. Pendergast	Suffocation	1	...	Fall of earth in drive.
61	Do. 8th	Robinson (Kanowna)	N. E. Coolgardie	George Hansen	Bruised thigh	1	...	A portion of the roof fell on the man.
62	Do. 9th	Lady Shenton (Menzies)	N. Coolgardie	Jno. Cogan	Cut and bruised head and arms	2	...	Portion of hanging wall falling while timbering.
63	Do. 11th	Westralian and East Extension	Coolgardie	Robert Simmonds	Slightly bruised	1	...	Fall of quartz.
64	Do. 12th	Young Colonial (Cue)	Murchison	James Hawkey	Slight contusion of arm and leg	1	...	Fall of stone while stoping, stone fell from about 3ft.
				John Thomas Bray	Crushed against the foot-wall and killed by 10 cwt. of stone falling	1	...	
				Carried forward		19	56	

Table showing the Number, Date, and Nature of Mining Accidents on the Eastern Goldfields, etc.—continued.

Accident No.	Date.	Name of Mine.	Name of Goldfields District.	Name of Sufferer.	Nature of Injuries.	Killed.	Injured.	Cause of Accident.
					Brought forward	19	56	
65	October 19th	Great Boulder (Kalgoorlie)	E. Coolgardie	Kenneth Sutherland	Fractured skull	1	...	Fell into mullock shaft.
66	Do. 26th	Lake View (Kalgoorlie)	Do.	J. Moralis	Ankle injured ... ..	...	1	Fall while descending winze.
67	Do. 29th	Hannan's Reward (Kalgoorlie)	Do.	W. H. Tonkin	Bruises ... ..	...	1	Fall of stuff in stope.
68	November 2nd	Adelaide Sovereign (Kalgoorlie)	Do.	Jno. Williams	Bruises and shock ... ..	...	1	Fall from ladder.
69	Do. 6th	Great Boulder (Kalgoorlie)	Do.	Stephen Yelland	Broken leg ... ..	...	1	Fall of ground in stope.
70	Do. 6th	Havelock Gold Mine (Mt. Magnet)	Murchison	W. F. Downey	Dislocated right knee, and also compound fracture small bone of foot	...	1	Rope of windlass slipped while descending shaft.
71	Do. 11th	Brookman's Boulder (Kalgoorlie)	Do.	William Oates	Bruises and shock to system	1	...	Fell down winze, and died two days afterwards.
72	Do. 12th	Burbank's No. 1 W.	Coolgardie	Isaac Prate	Broken skull	1	...	Stone falling down shaft on deceased's head.
73	Do. 18th	Plymouth Hoe (Bonnie Vale)	Do.	James Dickson	Bruised leg ... ..	...	1	A soapy head of about two tons falling from hanging wall, striking the man's leg in its descent.
74	Do. 19th	North Star (Malcolm)	N. Coolgardie	Albert Eastmon	Asphyxia	1	...	Fall of earth in stopes.
75	Do. 23rd	Scottish Lass (Kurnalpie)	N. E. Coolgardie	William Cook	Shattered face and chest, causing death almost immediately	1	...	Deceased went down to relight a hole that had missed fire, and as he was in the act of doing so, it went off.
76	Do. 30th	Black Flag Proprietary	Broad Arrow	Edwin Edwards	Both legs broken and left thigh fractured	...	1	A truck becoming unhooked, rushed down incline tramway and knocked down brakesman (Edwards) who was in front instead of behind brake.
77	Do. 30th	Great Boulder (Kalgoorlie)	E. Coolgardie	James Rowe	Left leg and side crushed, several scalp wounds, causing death	1	...	Entangled in rope and killed at battery.
78	Do. 30th	West Boulder (Kalgoorlie)	Do.	James Jones and Wm. Jones	Flesh wounds scalp and legs ... ..	...	2	Fall of piece of timber from bucket in shaft.
79	Do. 30th	Westralia and East Extension (Bonnie Vale)	Coolgardie	John Lindstrove	Severely crushed ... ..	...	1	Fall of country rock in stopes above.
80	December 7th	Kalgurlic (Kalgoorlie)	E. Coolgardie	Alex. Newton	Right arm broken ... ..	...	1	Fall of bucket in shaft.
81	Do. 8th	Bunyip G. M. (42-Mile)	Coolgardie	James Butler	Right leg very much lacerated ... ..	...	1	In drilling out a hole which had been charged the previous day, and which had not exploded, only burnt, an explosion occurred.
82	Do. 9th	Lady Sherry (Menzies)	N. Coolgardie	J. McKeever	Cut on thigh and calf of leg ... ..	...	1	Drill falling from hide bucket; drill picked up by bucket.
83	Do. 10th	Associated Adelaide Mine (Kalgoorlie)	E. Coolgardie	James Bennett	Flesh wound in leg ... ..	...	1	Fell in shaft.
84	Do. 20th	King Solomon S. (Coolgardie)	Coolgardie	James Joseph Doyle	Severely bruised, three ribs broken and other internal injuries, causing death	1	...	Man accidentally fell down shaft when walking home at night.
85	Do. 29th	Great Boulder	E. Coolgardie	Thomas Carrigg	Fractured skull	1	...	Fell down shaft 42 feet when walking home at night.
86	Do. 31st	Champion Mine (Nannine)	Murchison	Percy E. Bleakley	Severe cut over eye, right shoulder and left ankle dislocated	...	1	Was stopping in Black Snake shaft; fall of hanging wall some time after blast.
					TOTAL	27	71	

Coolgardie, January 29th, 1898.

GEO. LIGHTLY,
Acting Chief Inspector of Mines.

Registered Mining Companies, 1897.

1.	Meteor, Limited (Black Flag)	Foreign Company.
5.	Australian Search Syndicate, Limited	do.
6.	Eastern Oversight Gold Mining Company, No-Liability	Local Company.
7.	North Roy Gold Mining Company, No-Liability	do.
8.	Golden Cross Mines, Limited... ..	Foreign Company.
9.	Golden Glean Gold Mining Company, Limited	do.
10.	London and Paris Finance and Exploration Company, Limited	do.
12.	*Desirable Proprietary Gold Mines (W.A.), Limited	do.
13.	Ullaring Proprietary Gold Mines, Limited	do.
14.	Sir Holl-d Smith Gold Mining Company, No-Liability	do.
15.	Ormuz Gold Mining Company, Limited	do.
16.	Rome Consolidated Gold Mines, Limited	do.
17.	Albion Gold Mining Company, Limited	do.
18.	Burbank's Gold Mining Company, Limited	do.
19.	Steadman's Choice Mining Company, No-Liability	do.
20.	Douglas Prospecting and Mining Company, Limited	do.
21.	Hannan's Pride, Limited	do.
22.	Proprietary Syndicate (Grand Boulder), Limited	do.
22A.	Bamboo Consolidated Gold Mines, Limited	do.
23.	Lady Bountiful Extended Gold Mining Company, Limited	do.
24.	Fraser South Extended Gold Mining Company, Limited	do.
25.	W.A. Minerals and Finance Company, Limited	do.
26.	North-Western Associated Gold Mines of W.A., Limited	do.
32.	Nations Consols Gold Mines Limited... ..	do.
33.	Pearce's Find Gold Mining Company, No-Liability	do.
34.	Mount Malcolm Proprietary Gold Mines, Limited... ..	do.
36.	Quiver Venture, Limited	do.
37.	Mount Yagahong Gold Mining and Exploration Company, Limited	do.
39.	Caledonian Hill Gold Mining and Shuicing Company, Limited	Local Company.
40.	Western Challenge Gold Mining Company, Limited	Foreign Company.
41.	Melbourne United Gold Mining Company, No-Liability	do.
42.	Adelaide Sovereign Kalgoorlie Reefs, No-Liability	do.
43.	Talisman Mines, Limited	do.
44.	Crede Gold Mines, Limited	do.
45.	W.A. Gold Properties Development, Limited	do.
46.	Paddington South, Limited	do.
47.	Duke Gold Mines, Limited	do.
48.	Reward Syndicate, Limited	do.
49.	Lake Carey Consolidated Gold Mining Company, Limited	do.
50.	Niagara Proprietary Gold Mines, W.A., Limited	do.
52.	Clarkson Stanfield Ore Reduction Company, Limited	do.
53.	Bayley's United Gold Mines, Limited	do.
54.	Slug Hill (Pride of the Hill) Gold Mining Company, Limited	do.
55.	Brownhill Central Gold Mines, Limited	do.
58.	† New Year's Gift Gold Mining Company, No-Liability	Local Company.
59.	Hampton Gold Hill Mines, Limited	Foreign Company.
60.	Tindall's Lode, Limited	do.
61.	Mount Corlae Gold Mining Company, No-Liability	do.
62.	Big Blow Gold Mining Company, No-Liability	do.
63.	† Golden Wonder Gold Mining Company, No-Liability	Local Company.
65.	North Boulder (East Block) Gold Mines, Limited	Foreign Company.
67.	Bullion Corporation, Limited	do.
68.	North Boulder Gold Mining Company, Limited	do.
71.	Lady Evelyn Gold Mines, Limited	do.
72.	Burbank's Maldon Gold Mining Company, No-Liability	Local Company.
73.	Menzies Kensington West Gold Mining Company, No-Liability	do.
77.	Carbine Gold Mining Company, No-Liability	Foreign Company.
78.	Great Oversight Extended Gold Mining Company, No-Liability	Local Company.
79.	Nowthanna Gold Mines, Limited	Foreign Company.
81.	Mount Benson Group Consolidated Gold Mining Company, No-Liability	do.
82.	Big Blow, Limited	do.
83.	Perth Proprietary Syndicate, Limited	Local Company.
84.	Bass and Flinders Gold Mining Company, Limited	Foreign Company.
85.	Rugged Hill Gold Mining Company, No-Liability	Local Company.
86.	Great Eastern Gold Mining Company, No-Liability	do.
89.	Hannan's Golden Dream, Limited	Foreign Company.
90.	† First Find Consolidated Gold Mines (Bullabulling), Limited.	do.
91.	London, Liverpool, and Manchester Mining Syndicate, Limited	do.
92.	Vincent (25-Mile Coolgardie), Limited	do.
93.	Leviathan Gold Mine, Limited	do.
94.	90-Mile (Goongarrie) Consolidated Gold Mines, Limited	do.
95.	Queen Margaret North Gold Mining Company, No-Liability	do.
99.	Hannan's Gold Estates, Limited	do.
100.	Empress Margaret Gold Mining Company, No-Liability	do.
101.	Queen Margaret's Gem Gold Mining Company, No-Liability	do.
103.	† Westralian Coal Mining Company, Limited	Local Company.
104.	Carnegie Syndicate, Limited	Foreign Company.
105.	Catalpha Cue Gold Mining Company, No-Liability	do.
106.	Block 40 Hampton Plains Estate, Limited	do.
108.	Cumberland Gold Mining Company, Limited	do.
109.	Bellevue Proprietary, Limited	do.
110.	Mount Catherine Gold Mining Company, Limited	do.
113.	Queen Margaret South Extended Gold Mining Company, No-Liability	Local Company.
114.	Eastern Prospecting Company, No-Liability	Foreign Company.
115.	Mount Henry Proprietary Gold Mining Company, No-Liability	do.
116.	Queen Margaret Central Gold Mining Company, No-Liability	do.

* This Company now taken over by new Company, 1898

† Wound up.

Registered Mining Companies, 1897—continued.

118.	Black Flag Proprietary Company, Limited	Foreign Company.
119.	Central Wealth Consolidated Goldfields, Limited	do.
120.	Bulletin Deep Level Development Syndicate, Limited	do.
122.	Golden Ridge Mining Company, No-Liability	do.
123.	Hayercraft Gold Reduction and Mining Company, Limited... ..	do.
128.	Central Finance Corporation, Limited	do.
130.	Mertzzy's Reward Gold Mines, Limited	do.
131.	Alberto Proprietary Gold Mining Company, No-Liability	Local Company.
132.	North Star Gold Mines, Limited	Foreign Company.
134.	World's Fair Gold Mining Company, Limited	Local Company.
135.	Hannan's Queen Gold Mines, Limited	Foreign Company.
137.	Bulletin Gold Mining Company, No-Liability	do.
139.	Uncle Tom Syndicate, Limited	do.
140.	British Empire Finance Corporation, Limited	do.
142.	Duchesse of Coolgardie Gold Mining Syndicate, Limited... ..	do.
143.	Red Hill Syndicate, Limited	Local Company.
144.	Great Hannans Aurora Gold Mining Company, Limited	do.
145.	Cosgrove Bayley's Reward South Gold Mining Company, No-Liability... ..	Foreign Company.
146.	Westralia Mount Morgan Gold Mines, Limited	Local Company.
147.	Sam's Wealth Mine Development Company, Limited	Foreign Company.
150.	Golden Ridge, W.A., Proprietary Company, Limited	do.
151.	Callion, Limited	do.
152.	Kensington Vindicator Gold Mining Company, No-Liability	Local Company.
155.	Windermere Gold Mining Company, No-Liability	Foreign Company.
158.	Bangemall Public Crushing and Saw Milling Company, Limited	Local Company.
159.	Crown United Gold Mines, Limited	Foreign Company.
160.	Ivanhoe Venture Gold Mining Company, No-Liability	Local Company.
162.	Polar Star Proprietary, Limited	Foreign Company.
163.	Pioneer Estates, Limited	do.
164.	Burbank Grand Junction, Limited	do.
165.	Kalgoorlie Bank of England Gold Mining Company, Limited	do.
166.	Windermere North Gold Mining Company, No-Liability... ..	do.
167.	City of Chester Gold Mines, Limited	do.
168.	Mount Magnet Golden Crown, Limited	do.
169.	Webster's Find, Limited	do.
172.	Pride of Mount Margaret, Limited	do.
173.	Agamemnon, Limited	do.
174.	Royal Margaret Gold Mining Company, No-Liability	do.
175.	London and Continental Investment Corporation, Limited	do.
177.	Idaho Exploring Company, Limited	do.
179.	Hannans Premier Gold Mines, Limited	do.
180.	Esperance Proprietary Company, Limited	do.
181.	Black Flag Central Gold Mines, Limited	do.
182.	Mount Nolan Gold Mining Company, No-Liability	Local Company.
185.	London and Hamburg Gold Recovery Company, Limited	Foreign Company.
187.	Nerrin Nerrin Gold Mining Company, No-Liability	do.
189.	Florence Gold Mines, Limited	do.
190.	Great Boulder Junction Reef, Limited	do.
191.	Penygally Consols, Limited	do.
192.	Railway Gold Mining Company, No-Liability	do.
193.	Triumph Leases, Limited	do.
194.	Black Flag Junction Gold Mining Company, No-Liability	do.
195.	West Collie Coal and Fire Clay Proprietary Company, Limited	do.
197.	Chingford Syndicate, Limited	do.
199.	Lady Hampton Consolidated Gold Mines, Limited	do.
203.	Mainland Gold Mining and Sluicing Company, No-Liability	Local Company.
206.	Scottish Australasian Gold Mining Agency, Limited	Foreign Company.
207.	Venture Corporation, Limited	do.
208.	Queensland Kalgoorlie Gold Mining Company, No-Liability	do.
209.	Blevin's Find Gold Mining Company, No-Liability	do.
211.	Emerald (Reward) Gold Mining Company, No-Liability	do.
212.	Lady Charlotte Gold Mines, Limited	do.
213.	Burbank's No. 1 South Extended Gold Mine, Limited	do.
214.	Towrauna Gold Mines of W.A., Limited	do.
217.	Victoria United Extended Gold Mining Company, No-Liability	do.
219.	Challenge Mining and Milling Company, Limited	do.
220.	Mountain Maid and Iron Prince Gold Mines, Limited	do.
221.	*Black Diamond Gold Mining Company, Limited	Local Company.
223.	*Welcome Find Gold Mining Company, Limited	do.
224.	Hannans Britannia Gold Mines, Limited	Foreign Company.
225.	The W.A. Development Corporation, Limited	do.
227.	The Westward Ho Gold Mines, Limited	do.
228.	Indian and Colonial Goldfield, Limited	do.
232.	Canham's Gold Syndicate, Limited... ..	do.
233.	Lombardy Gold Mines, Limited	do.
235.	Bulletin Proprietary, Limited	do.
236.	King Solomon South Gold Mining Company, Limited	Local Company.
238.	Cue Public Battery, Limited	do.
241.	*Red Hill Sluicing and Hydraulic Company, No-Liability	do.
243.	Hannan's Water and Ore Reduction Company, Limited	Foreign Company.
244.	New Arrow Proprietary Gold Mines, W.A., Limited	do.
245.	Middlesex Gold Mines, W.A., Limited	do.
246.	New Queensland Norseman Gold Mining Company, No-Liability	do.
249.	Capel Court Explorers, Limited	do.
250.	Thomson's Hampton Plains Gold Mines, No-Liability	Local Company.
251.	Darby Syndicate, Limited	Foreign Company.

* Wound up.

Registered Mining Companies, 1897—continued.

252.	Lady Montefiore United Gold Mines, Limited	...	...	...	...	...	Foreign Company.
253.	Kalgoorlie Mint and Iron King Gold Mines, Limited	...	...	...	...	...	do.
254.	Island Eureka Gold Mining Company, No-Liability	...	...	...	...	...	Local Company.
255.	Red Hill, W.A., Gold Syndicate, Limited	...	...	...	...	...	Foreign Company.
256.	Speakman's Mount Callion, Limited	...	...	...	...	...	do.
259.	Niagara, W.A., Exploration and Finance Syndicate, Limited	...	...	...	...	...	do.
260.	W.A. Smelting Company, Limited	...	...	...	...	...	do.
262.	Bangor State Proprietary Company, Limited	...	...	...	...	...	Local Company.
263.	New Flag Gold Mining Company, Limited	...	...	...	...	...	Foreign Company.
265.	Boulder Bonanza Gold Mining Company, Limited	...	...	...	...	...	do.
266.	British Westralia Syndicate, Limited	...	...	...	...	...	do.
267.	Ivanhoe Gold Corporation, Limited	...	...	...	...	...	do.
268.	Great Pinyalling Consols Gold Mining Syndicate, No-Liability	...	...	...	...	...	Local Company.
270.	Champion Extended and Home Rule Gold Mines, Limited	...	...	...	...	...	Foreign Company.
271.	Eureka North Gold Mining Company, No-Liability	...	...	...	...	...	do.
272.	New Victoria Consols Gold Mining Company, No-Liability	...	...	...	...	...	Local Company.
273.	Chaffer's Extended, Limited	...	...	...	...	...	Foreign Company.
274.	Mimosa Gold Mines, Limited	...	...	...	...	...	do.
275.	Mount Magnet Gold Mining Company, Limited	...	...	...	...	...	do.
276.	Mount Margaret Reward Claim, Limited	...	...	...	...	...	do.
277.	Menzie's Lady Mary Gold Mining Syndicate, No-Liability	...	...	...	...	...	do.
279.	Orchin Gold Mining Company, Limited	...	...	...	...	...	Local Company.
280.	Britannia Gold Mining Company, Limited	...	...	...	...	...	Foreign Company.
282.	Lake View King Gold Mines, Limited	...	...	...	...	...	do.
283.	*Messenger Star of the West Gold Mining Syndicate, No-Liability	...	...	...	...	...	Local Company.
285.	Lake Way Gold Mines, Limited	...	...	...	...	...	Foreign Company.

* Now Great Boulder Associated Gold Mines Company, No-Liability.

Annual Report on the Kimberley Goldfield for the year 1897.

To the Under Secretary for Mines, Perth.

SIR,

Hall's Creek, Kimberley.

I have the honour to forward herewith, for the information of the Hon. the Minister for Mines, my Annual Report on the Kimberley Goldfield for 1897.

I have, etc.,

W. D. CUMMINS,

Warden, Kimberley.

Kimberley has been called by some one lately a field with a golden past, but, I am afraid, as much cannot be said of its present condition. If the progress made in mining during 1896 was poor, that during 1897 was positively discouraging. Very little work of any kind connected with mining has been done, and the crushing returns are very poor indeed. The population, while not on the decrease, has certainly not increased during the year, and a sort of stagnation seems to rest over the district.

It is a far cry from Perth to Kimberley, and very little is really known of this, the most Northernly goldfield. Difficult of access, and semi-tropical as to its climate, Kimberley is also resting under the curse of a bad name. It lies beneath the shadows of frauds and disappointments of other days. In addition, the expense of living here is very great, and, at times, it is even impossible to procure the bare necessities of daily life. Thus many leave before giving the field a fair trial, and go elsewhere to help to condemn a field of which they really know little or nothing. Until some capital is expended in Kimberley its possibilities cannot be known. The Ruby Queen and Saint Lawrence have been steadily working throughout the past year, and the Mount Bradley Tunnelling Claim during a few months. These three are the most constant claims on Kimberley, their approximate returns, up to and including 1896, being as follows:—

The Ruby Queen	<i>Ruby Queen</i>	6,000 tons for 4,500 ozs. gold.
Saint Lawrence	... ..	1,275 " 1,497 "
Mount Bradley	<i>Mount Bradley</i>	1,971 " 1,578 "

The crushings for 1897 are as follows:—

		<i>First Quarter.</i>	
Mount Bradley	... ..	151 tons	... .. 75ozs. 18dwts.
Ruby Queen	... ..	179 tons	... .. 116ozs. 3dwts.
Total for year	... ..	330 tons	... .. 192ozs. 1dwt.

Some good stone with rich indications has been got at Grant's Creek, in the Panton District. None of this has as yet been crushed. The claim from which it was raised is called the Nil Desperandum. It is probably a mass of leaders which may eventually lead to a reef, pointing perhaps to the reef in the Star of Kimberley.

A little fossicking has been done with here and there good results. The usual yearly nugget has been found at Dry Creek, and some sluicing work is in progress there.

This is the sum total of all mining operations during the year 1897.

Meanwhile, as the mining seems to wane, the station properties seem to steadily increase in size, herds, and value. The immense area of pastoral leases applied for during this year must make the amount paid in rent from this goldfield alone very considerable. Kimberley will be the future cattle country of the Colony despite the temporary disturbance over "tick" and "red-water."

As to the continuation of the bonus for deep sinking, I unhesitatingly recommend its withdrawal. I consider it has been of very little service to the field, *i.e.*, permanently. If ever given again, the conditions under which it is given should be wholly revised, and under the control of a practical inspector of mines.

The natives have given little or no serious trouble, and not many arrests have been made. As a rule I consider the natives well treated throughout this district.

During the year the buildings at Hall's Creek have been improved, and at the end of March the foundation stone of the Institute will be laid.

The field has been carefully visited during the year.

W. D. CUMMINS,

Warden, Kimberley.

Warden's Report on the Pilbarra Goldfield for 1897.

For the information of the Minister for Mines I have the honour to forward the following Report on the Pilbarra Goldfield for year 1897:—

Marble Bar, the head centre of Pilbarra Goldfield, has a population of 110. The Warden's Court and District Local Court are held here. Marble Bar has telegraphic communication with Bamboo Creek, Nullagine, Tambourrah Creek, Talga Talga, and with the outer world through Condon. It has a weekly mail service to Roebourne, which runs alternately *via* Condon and *via* Tambourrah Creek. The favourite route for passengers leaving the field is *via* Condon, and thence by sea, which journey, if timed well, takes from 4 to 6 days, whereas the overland route occupies 9 days. The fare to Roebourne *via* Tambourrah Creek is £6, and *via* Condon and steamer £5. There are two hotels and two stores. There are one 15-head battery, one 5-head battery, and three Huntingdon Mills. The 15-head battery has not been working for over 12 months. Several good reefs are being worked here, and miners obtain good wages from their crushings. Timber is very scarce, from £2 15s. to £3 per cord. Carting from Condon to Marble Bar is £10 per ton. Camels, horse teams, and bullock drays are used in this business. Good water is obtainable at an average depth of 60ft. The gold yield for year 1897 is as follows, viz.:—Crushing, 1,957 tons 4 cwt.; yield, 2,199ozs. 19dwts. 15grs. There are outlying places for which the Stray Shot battery occasionally puts through crushings. I refer to Sall Gash, Sharks, and Wyman's.

Sall Gash is a belt of auriferous country about 16 miles S.E. of Marble Bar. There are seven or eight men working on "leaders," and one reef is being worked which promises well, a crushing of 11 tons having yielded 37ozs. 15dwts. 15grs.

Sharks, about 20 miles S.W. of Marble Bar, is the scene of a new find made by Adams and party, who have lately had a crushing of 2½ tons for 36ozs. They have another parcel of stone at grass of about 40 tons, which will be crushed at Marble Bar. This was also the scene of alluvial workings some five or six years ago.

Wyman's Find, about 12 miles south of Marble Bar, labours under the same disadvantage as the two places above mentioned in its scarcity of water. During the year this place was abandoned by the finders owing to the water difficulty and the great cost of carting the stone to the battery. A good season has improved matters and induced miners to continue work on these places. Two miners are now working a very rich "leader" near Wyman's old workings, and pay their way by dollying.

Talga Talga, 20 miles N.E. of Marble Bar, has crushed during the year 188 tons of quartz for a yield of 252ozs. 14dwts. 20grs. The McPhee's Reward Company abandoned their claim, but the original prospector, Angus McPhee, has returned to further prospect the property, and has been rewarded by finding indications of a rich leader in the form of lumps of quartz containing, according to his estimate about 500ozs. of gold. There are eight men there.

Bamboo Creek is situated 40 miles N.E. of Marble Bar; has a population of about 250. It has two hotels, two stores, post and telegraph office, and a weekly mail service to Marble Bar. There are three batteries. The reefs are generally well defined, and seem to be of a permanent character. The Bulletin Proprietary Company are sinking a straight shaft on their block claim, and intend going to a depth of 500ft. to cut the Bulletin reef. This will be the deepest shaft on the field, and will go far to prove the permanency of the reefs in this particular locality. Timber is obtained at a distance of four miles, at a cost of £2 per cord. There is good water at an average depth of 60ft. to 80ft. The yield of gold for 1897 is 1,172ozs. out of 688 tons of stone. Several large companies are interested in this district—notably, the Bulletin Proprietary, Limited; Mount Prophecy and Perseverance Gold Mines, Limited; Bamboo Consolidated Gold Mines, Limited; and Pilbarra Goldfields, Limited. These companies hold a total area of 234 acres.

Yandicoogina, 40 miles South of Bamboo Creek, and about the same distance South-East of Marble Bar, is a reefing field of great promise. There are seven leases occupied. Lessees seem to have the greatest confidence in their properties, and are content to continue working without any immediate prospect of return. I hear it is probable a battery will be erected there shortly. There is a Government well and good wells along the road to Bamboo Creek.

Nullagine is situated 65 miles South-South East of Marble Mar, and has a population of 160 persons. It has a post and telegraph office, two wayside houses, and two stores. Besides alluvial digging and quartz-reefing, gold is obtained from conglomerate lodes with payable results. There is one ten-head battery, and two more are in course of erection. Water is obtained at an average depth of 50ft. The yield of gold for the year is 982ozs. There are regular consignments of alluvial gold from Nullagine, of which I have no record; but, from information obtained from the business people, I should say that at the lowest estimate these would amount to 600ozs. per annum. There is a weekly mail service to Marble Mar. The Forty-Mile, situated South of Nullagine, and, as its name indicates, 40 miles distant, is a district that has been attracting the attention of prospectors for some time, but owing to the scarcity of water it can only be thoroughly prospected after the rainy season. However, miners occasionally contrive to put in some very profitable alluvial work. After this very good season I believe a good deal of prospecting will be done in this locality, as it is known to possess splendid possibilities as a future reefing field.

Tambourrah Creek, situated 75 miles S.W. of Marble Bar, has a population of about 40. It enjoys the convenience of a post and telegraph office, a wayside house, and two stores. One battery is erected, and a Peruvian mill is being erected. The only company interested in this district is the World's Fair Gold Mining Co., Ltd., who hold four leases. There are, besides, nine other leases and three

protection areas. The yield of gold for the year was 305ozs. out of 142 tons. *Pillendini*, six miles from Tambourrah Creek, is the scene of a new "find" made by Clarke and Stevens. They had one ton of stone crushed, which yielded 260ozs. The stone was obtained from several conjoining leaders, which they are still working. The reef has not yet been struck.

Western Shaw, situated six miles S.E. of Tambourrah Creek, has a population of 20. It has a wayside house and one store. There are six leases, worked entirely by the Imperial W.A. Corporation, Ltd., in all 78 acres. Water is obtained at a depth of 60ft. Gold yield, 1,140 tons for 1,032ozs. during 1897.

Alluvial gold is obtained between Western Shaw and Tambourrah Creek, about 75ozs. being won during the year.

North Shaw, situated S.W. of Marble Bar, and distant about 40 miles, has a population of 12. There are four leases, one wayside house and store, and one 5-head battery. Water is obtained at a depth of 30ft. Crushing for year, 399 tons 10cwt. for a yield of 650ozs. 12dwts.

North Pole, situated about 35 miles West of Marble Bar, employs ten miners, all engaged in working upon leases. There is no battery as yet. The character of the reefs, in the opinion of all who have visited this place, shows every indication of their proving permanent. The reefs are from 1ft. to 3ft. wide, and in some cases almost perpendicular. The owners have not yet been able to get a crushing, owing to the great distance the stone would have to be carted to the nearest battery. The road to Marble Bar is about 70 miles.

Condon, situated about 100 miles North of Marble Bar, has a population of about 30. There are two wayside houses, two stores, and a post and telegraph office. It has an open roadstead, which at high tide is navigable to small schooners and steamers. Through Condon passes all the trade of this district.

Port Hedland, about 110 miles North-West of Marble Bar, is the future port of this district. The causeway and jetty contracts have been let, and wells sunk along the road to Marble Bar. Fresh water has also been struck in the township. The opening up of this port will prove of great benefit to the field, and considerably reduce the cost of importation. Large vessels will be able to deliver cargo directly at the jetty, and the necessity of transshipment at Cossack, with all its attendant expenses, avoided.

General Remarks.—A great deal of developmental work has been done during the year in all the principal centres of this goldfield, but chiefly in the Bamboo Creek district. I believe the completion of this work will, during the coming year, materially increase the output of gold. I regret having to report one fatal mining accident, which occurred on the Augusta lease. The rainfall registered for 1897 was 9.16. Up to the present time abundant rains have fallen, and this district is about to experience an unusually good season. Prospectors are starting out for places, which, owing to the scarcity of water, they had been unable to prospect for some years. The country, that a few months ago was so barren, is now covered with green grass and dense herbage—a strange as much as a welcome sight. Beyond the usual "grass fever," a temporary sickness which occurs after rain, the district is very healthy.

I am, etc.,

AXEL OSTLUND,

Warden.

Marble Bar, 17th February, 1898.

Statistics of Pilbarra Goldfield for 1897.

Total revenue received at Warden's office amounted to £3,528 14s. 3d., detailed as follows:—

	£	s.	d.
Mines Revenue	1,720	6	6
Survey Fees (which are received to be again paid to Surveyor)	197	0	0
Internal Revenue	276	10	0
Do. Stamp Account	249	3	9
Land Revenue...	1,085	14	0
Total	£3,528	14	3

Statistics of Business done.

Miners' Rights	256
Consolidated Miners' Rights	1
Leaseholds Occupied	43
Do. do. (Area of)	411 acres
Transfers	65
Liens	2
Agreements	3
Powers of Attorney	31
Exemptions	170
Machine Areas	2

Statistics of Business done—continued.

Business Areas	...	...	...	...	3
Residence Areas	...	...	...	...	15
Water Rights	...	...	...	...	3
Protection Areas	...	...	...	...	21
Quartz Claims	...	...	...	...	9
Reward Claims	...	...	...	...	3
Garden Areas	...	...	...	...	3
Tailings Areas	...	...	...	...	1
Business Licenses	...	...	...	...	25

I have heard, during the year, besides applications for exemption :—

20 Warden's Court Cases.
60 Police Court Cases.
57 Local Court Cases.

There have been issued 27 licenses and transfers under The Goldfields Licensing Act, and eight under the Wines, Beer, and Spirit Sale Act.

MACHINERY.

The following machinery is now on the field :—

Marble Bar	...	...	3	Huntingdon Mills and 2 Batteries.
Bamboo Creek	...	...	3	Batteries.
Nullagine	...	...	3	do.
Tambourrah	...	...	1	do. 1 Mill.
Western Shaw	...	...	1	do.
North Shaw	...	...	1	do.

Report on the West Pilbarra Goldfield for 1897.

SIR,

29th April, 1898.

I have the honour to report on this Goldfield, for the information of the Hon. the Minister for Mines, for the year ended 31st December, 1897.

I have, etc.,

JOHN BROCKMAN,
Acting Warden, West Pilbarra Goldfield.

LEASES.

1. During the year several leases have been abandoned and some forfeited for non-payment of rent. What stone has been taken out from the surface or at a shallow depth is generally rich, and going from 2½ozs. to 15ozs. per ton. No very great depth has been yet obtained in the West Pilbarra Goldfield district, but with more capital and labour, and given a fair trial at a reasonable depth it should pay very well. Eight leases have been applied for.

ALLUVIAL.

2. Alluvial miners are at work on patches scattered over the goldfield. I have seen some very nice slugs of from 2ozs. to 8ozs., waterworn, taken from Pingelly and Egina.

COPPER AND OTHER MINERALS.

3. Attention is now being given to copper and other minerals, more especially copper, which appears to be exceedingly rich in the North-West District, assaying from 15 per cent. to 75 per cent. Nine mineral leases have been taken up.

WATER.

4. Water is plentiful everywhere and easily obtainable at from 30ft.

TIMBER.

5. No difficulty; in some places it may be two or three miles away from any particular mine, but it is not very difficult to procure; from Roebourne itself one has to send out several miles for firewood.

ROADS.

6. The roads, tracks, etc., are in good order, and carriers of merchandise or machinery would not experience any difficulty in loading or discharging goods, either with horses or camels.

FEED.

7. Feed is plentiful throughout my district of the West Pilbarra Goldfield, which extends to this side of the Yule River.

CATTLE.

8. The cattle, horses, sheep, etc., are all in good condition and fat.

HEALTH.

9. The health of the field has not been very good; nearly all the inhabitants have suffered at times from malarial or dengue fever.

WEATHER.

10. The summer of 1897 has been very severe indeed, thermometer ranging from 95° to 125° in the shade, and no doubt the fact of the rains having been earlier than usual has been the cause of so much sickness.

BUSINESS.

11. Business has been very dull indeed, and the people have been plodding along waiting for better prospects of which they seem to be very sanguine.

NECESSARIES OF LIFE.

12. The prices are: Mutton, 5½d.; beef, 5½d.; potatoes, 2½d.; onions, 3d.; bread (small), 6d.; tea 1s. 6d. and 2s.; flour, 3d.; 50lb. bag flour, 9s.; vegetables very scarce.

HOTELS.

13. Accommodation very good. Board 30s. per week. There are three hotels, viz., Jubilee, Victoria, and Johnson's; two private boarding houses, Roebourne; two private boarding houses, Cossack; two hotels at Cossack, viz., Harvey's and Flinders'. Distance from Roebourne to Cossack 8½ miles by horse tram. Roads good all the way.

BUILDINGS.

14. During 1897 new buildings have been erected, but not before they were badly needed, viz., Warders' Quarters, Police Quarters, Gaol, renovation of Court House, Mining Registrar's office and new Jury Room, all of which were urgently required. The new office erected for the Mining Registrar is well situated and replete with all the necessaries for the conduct of business in connection with the Mines Department and accommodation of the mining community.

Houses are very scarce, both private and other. Store buildings are being occupied, and are not of a very substantial nature, in consequence of the probability of hurricanes, willy-willies, etc. Some of the houses are anchored to the ground, which is not even then a guarantee of their safety.

15. During the year I have visited the different mining centres and outlying districts within my jurisdiction, and have a very good opinion of the vast auriferous area, and would like to see an increase of population—miners (who are scarce), and prospectors—also capital in reason to be expended in proving some of the mines at a depth.

16. Balla Balla, Whim Creek, and Port Hedland are likely to become places of importance before very long, telegraphic communication being now *un fait accompli*.

COSSACK,

17. The principal port for the North-West district and for the Pilbarra Goldfield. It is connected with Roebourne by a tramway 8½ miles long. Cossack was formerly the main rendezvous of the pearling fleet.

MALLINA

18. Is between 65 and 70 miles Eastward from Roebourne, and about 16 miles South from the coast. It is here that the first discovery of gold in the North-West was made. The reef is composed of auriferous antimony ore. Excellent fresh water supply is obtainable. This place, for the want of capital, is almost deserted, and the Deputy Registrar's house, offices, and effects, unfortunately, have been burnt down recently.

PEEWAH,

19. About 10 miles Eastward from Mallina on the Peewah Creek, is another series of auriferous antimony lodes, but at present nothing is doing.

EGINA,

20. Thirty miles South-East of Mallina, and 40 miles from the coast, is situated the rich patch of alluvial workings known as Egina.

X This place is at present working for copper, which is rich, and will ultimately become of importance as it gets better known to the outside world.

THE NICOL.

21. Early in 1890 gold was found on a small river called the Nicol, about 10 miles West of Roebourne, by some men engaged in sinking post-holes for a fence. The gold occurred near the surface, and was, at first, easily and cheaply obtained, but, later on, when the lead was traced down into the flat, more work had to be done to gain it. This small patch of country (gold-bearing) is so little above the sea-level that no deep sinking is at present possible owing to the vast volume of water encountered, but it is highly probable the deep ground carries gold.

Copper is also in this vicinity, and leases have been applied for, but no work is at present going on in this part of the field.

BALLA BALLA.

22. Here there are low rolling hills of clay slate with numerous quartz veins of a highly promising character for gold.

Mineral leases have been taken up for copper, assays of which have been obtained yielding from 15 to 35 per cent., with traces of gold.

WHIM WELL COPPER MINE.

23. This property is working all the time, and bids fair to become a very great and valuable property which will give employment to a number of working miners and be a great acquisition to the mineral resources of this Colony.

24. Some copper mines were worked a few years ago, a few miles South of Roebourne. They are situated at the base of some low slate and quartzite hills on the edge of a large flat formed by one of the branches of the Harding River. These lodes are chiefly oxides of iron and copper, in some of which gold is visible. There are two sets of lodes—one running more or less North and South and dipping East, while the other runs East and West and dips North.

In closing this report for the year ending 31st December, 1897, I sincerely hope the prospects of the West Pilbarra Goldfield will be brighter and the health of the population will be better, commerce increase, and mining flourish.

I have, etc.,

JOHN BROCKMAN,

Acting Warden, West Pilbarra Goldfield.

Mines Department, Roebourne, West Pilbarra Goldfield.

STATISTICS—WEST PILBARRA GOLDFIELD.

Application for Gold Mining Leases	...	...	...	...	8
Application for Mineral Leases	...	...	...	...	9
Protection Areas	...	...	...	...	<i>Nil</i>
Business	..	...	...	...	8
Residence	..	...	...	...	13
Machine	..	...	...	...	2
Tailings	..	...	...	...	<i>Nil</i>
Garden	..	...	...	...	3
Water Rights	...	...	...	...	1
Well and Dam Sites	...	...	...	...	2
Miners' Rights (issued)	...	...	...	...	94
<i>Mallina.</i> —Miners' Rights (issued)	...	...	...	...	20
Mining Licenses	...	...	...	...	41
Searches	...	...	...	...	19
Exemption Applications	...	...	...	...	73
Transfers Executed	...	...	...	...	16
Powers of Attorney	...	...	...	...	5
Plaints	...	...	...	...	17
Forfeiture by Minister	...	...	...	...	1
Voidance of Gold Mining Leases	...	...	...	...	25 (non-payment rent).
Reports to Head Office, by requisition	...	...	...	...	37
Goldmining Leases abandoned	...	...	...	...	23
Mineral Leases	..	...	...	...	4
Areas	..	...	...	...	<i>Nil</i>
<i>Mining.</i> —Revenue (exclusive of any rents or fees which may have been paid to Head Office)	...	...	...	...	£947 7s.
Inquiries (<i>re</i> mining matters during year 1897)	...	...	...	...	46

Warden's Report on the Ashburton Goldfield for 1897.

Ashburton Goldfield,

16th September, 1897.

SIR,

I have the honour to forward, for the information of the Minister, the following report on the Ashburton Goldfield:—

1. The Main Camp is situated close to overland road from Peak Hill, on the West side of O'Grady's Creek, on the Ashburton River, a distance of 210 miles from Onslow. The water supply is not permanent; however, water can be obtained by carting from the river a distance of about six miles. The feed on the creek is fairly good.

2. I have visited the following localities:—

Dead Finish.—A distance of eight miles ^{North?} West. One lease is being worked in the name of H. L. McKenzie; considerable surface work has been done. An underlay is down 25ft., and the vertical shaft 60ft. Good gold-bearing stone has been obtained on the surface and from the 30ft. level. A large body of quartz is to be seen at the bottom of the vertical shaft. Several leases have been taken up here; gold has been found on the surface, but they have since been abandoned. A large number of men have been working in the vicinity and a considerable quantity of alluvial has been found in the gullies; but at present there are only one or two looking for alluvial. Water has to be carted seven miles.

The Star of the West.—This is distant about three miles North-West; there is one lease being worked here. On the surface there is a network of leaders all showing gold freely. The underlay is down about 30ft.; good stone showing gold has been obtained. The vertical shaft is down 65ft. Several other leases have been taken up; shafts sunk to small depths, but since abandoned. This is the most settled country that I have visited or seen since I have been in the district, and I think, with development, would prove a good reefing country.

The Top Camp, distant about 50 miles South-East. Road good until within ten miles of the workings, when it is somewhat bad for vehicular traffic. Water is to be obtained along the river as far as Mount Blair (East end of Capricorn Range). The next water is at a Government well 22 miles from there on the road near Ford's Creek, where there is a good supply of water. I visited Capner and O'Neil's reward claim. A large amount of gold has been obtained from here; but how much I cannot say, as no official returns have been made, and there is no bank in the district. However, I ascertained from the owners that about 700ozs. had been taken out of one shaft during the last two years. The stone is very decomposed; in this coarse gold is found, and is very rich. It dollies easily. I visited the old workings. A very considerable amount of sinking has been done for alluvial. I understand that nearly 1,000 men were on these workings about 1892; but when the news of the Murchison broke out the diggers left for there. From what I can gather, several thousand ounces of alluvial have been taken from this find. There is a good supply of spring water. The country has a very wild appearance, with high steep hills of ironstone and decomposed slate, with narrow gullies at foot.

Hearn's Find New find on a tributary of the Western branch of O'Grady's Creek, and about eight miles on the South side of the Hardey River, distant about 30 miles East-North-East. There is no permanent water on the road; good supply in vicinity of find. Country around chiefly ironstone and slate; very little quartz to be seen except at find, where there is a narrow outcrop extending about three-quarters of a mile; four men are working on the claim. Several holes have been sunk, averaging 12ft. to 14ft. Country sunk through consists of about one foot of loose soil, then decomposed slate. The leader or reef is about two feet wide, and carrying very rich fine gold; this leader consists principally of ironstone and quartz well mineralised; the stone when dollied gives splendid returns. A quantity of the fine gold is lost in the washing. There is a large quantity of battery stone to be seen, but would not pay to dolly. The first gold found was alluvial; one piece, weighing 16ozs., was shown to me by one of the party, 12ozs. of which was pure gold; another piece was found weighing 28ozs. I was satisfied that there was payable gold, and therefore granted a quartz reward claim. Two leases have been applied for on the line of reef. I am informed that there are several men prospecting on the Hardey River.

3. Up to the present I have not had time to visit the Gorge (30 miles from here), or Mount Mortimer (40 miles). There is one lease being worked at the Gorge, and about ten men seeking for alluvial at Mount Mortimer.

4. There is no doubt that there has been a very considerable amount of gold obtained in this district which has never been officially known, and also a good number of men on the fields. Since I have been here I have myself been shown over 100ozs. Men who have found gold (which up to the present has been principally alluvial) are very reluctant to say how much they have obtained, and are mostly birds of passage, taking the gold to a district where they can sell it to a bank or convert it into stores.

5. The country has never been properly prospected for reefs, nor deep sinking for alluvial, although it has the appearance of being a good reefing country, auriferous belts extending in all directions.

Small parties of men are scattered in different places; but those who are seeking for gold mostly start in poor circumstances, and cannot afford to wait to give any particular locality a fair trial. Unless they find gold within a short period they start for somewhere else.

6. The water question is somewhat important. I will, however, report further on this matter at a later date. A fair supply of provisions is procurable at the present time on the field.

I have, etc.,

H. G. WRIGHT,

Warden.

The Under Secretary for Mines,
Perth.

From the Warden, Ashburton Goldfield, to the Under Secretary for Mines, Perth.

SIR,

I have the honour to report, for the information of the Minister, that I left on the 26th August to inspect the report of payable gold by R. Hern and party. I arrived at the find (distant about 30 miles East-North-East from main camp) on the 27th. I was satisfied that the find was payable, and granted a reward claim. The country is a reefing country; good alluvial has been found, and near their main camp there is a good supply of spring water.

I have, etc.,

H. G. WRIGHT,

Warden.

Mt. Mortimer, 13th September, 1897.

Telegram from Warden, Ashburton Goldfield, to Under Secretary for Mines.

Visited gorge about ten miles South-East of Mount Mortimer; examined, with a prospector, a well-defined lode extending about one mile East and West; highly mineralised; contains copper, silver, and lead ores; colours gold obtained in it; some places over six feet wide; forwarding parcel per mail for assay.

H. G. WRIGHT,

Warden, Ashburton Goldfield.

Onslow, 13th November, 1897.

From the Warden, Ashburton Goldfields, to the Under Secretary for Mines, Perth.

SIR,

Upper Ashburton,

31st March, 1898.

I have the honour to forward, for the information of the hon. the Minister, a supplementary report on my last, with reference to the following localities, which I have since visited.

THE GORGE.

1. Is distant about 30 miles South-West from my main camp, and about two hundred miles from Onslow, the port of the Ashburton. There is a permanent pool of fresh water in the Ashburton River, distant from the present workings about thirteen miles North-North-East, and a deep rock-hole of water in the Errilgullie Creek, about two miles West (this is a rough place to approach). A Water Right has been granted three miles East from workings, where a well has been sunk, depth 69 feet. An excellent supply of fresh water has been obtained with a depth of seven feet. I am of the opinion that there would be no difficulty in obtaining fresh water by sinking anywhere about this country, there being a considerable amount of opaline formation, and several gum creeks. There is also a good supply of mulga timber. The road to the river (Gorge Pool) is good; from there it is somewhat rough, but with a little expenditure it could be made a fairly good road for teams. I have myself driven to the workings in a buggy.

The country is very auriferous, with high broken hills interspersed by gullies; there is also a considerable extent of gently undulating country on which are numerous quartz outcrops; bold outcrops are to be seen extending for miles in all directions, the formation is principally quartz and ironstone associated with other minerals, the walls being slate. I have visited several of these outcrops and good colours have been obtained from leaders, but not rich enough to dolly; I also visited a mineral lode trending East and West; it extends over a mile, and is in places six feet wide with slate walls. I forwarded a parcel of this stone for Government assay, it gave an excellent percentage of copper and silver; a fair amount of gold was also traced, several gullies cut through this lode, in one alluvial gold was found.

The only lease (the Independent) which is being worked in this country has raised a fair amount of stone, some of which carried very rich gold; at the present time a fresh shaft has been sunk and is down on the underlie about 25ft.; two leaders were picked up, and at a shallow depth formed themselves into a body of stone which is now 18in. wide. This lode from top to bottom is carrying both fine and coarse gold well distributed throughout the quartz and ironstone; a crushing through a one-head stamp gave a return of 14ozs. to the ton; the walls are of a kind of slate.

A fair amount of alluvial was found about this locality a few years ago, but on account of the scarcity of water the men left, and the country since has been almost deserted.

THE SOLDIER'S SECRET.

2. Is about 25 miles South-East from my camp on the Wandaring Creek a tributary of the Ashburton River; the country here is of a hilly nature with a number of quartz outcrops. I understand that a good amount of alluvial has been obtained here; considerable ground has been turned over and some nice pieces of alluvial found; very few men are there at present; a well has been sunk in the Creek and fresh water obtained; this well requires repairing. No leases have been applied for.

MOUNT MORTIMER DIGGINGS.

3. Is distant about 30 miles from camp and about 185 miles from Onslow; the road is good; a well has been sunk close to the diggings, a small supply of excellent water has been obtained; this requires deepening and repairing; there is a fair supply of mulga in vicinity, and gum in the watercourses and river distant about six miles. These diggings have been extensively worked for alluvial, and a large amount obtained, including a piece weighing 60ozs. The gold is waterworn, and is found on a slate bedrock; the average sinking is between eight and ten feet, through a hard conglomerate in the bed of gullies which run through hills; there is a considerable body of cement in the vicinity, but I think this would require a crushing plant to make it pay. These diggings have been deserted since the Murchison field was found, most men migrating there; at the present time there are only a few men working.

4. In conclusion, there is no doubt that there is a large extent of very promising auriferous country well worth trying for reefs, but will require capital to develop it. In this respect the district has not had the advantage of the other goldfields. It was being worked for alluvial by a large number of men before the fields South were found (a very considerable quantity was unearthed). On those fields being discovered the men rushed to them and no prospecting for reefs was done, and now there being no battery on the field there is no inducement for the men now on the field to develop the reefs, as they are not in a position to erect one themselves. The district has never had an opportunity of proving its reefing resources. It is, therefore, most essential that a battery should be erected to test and prove the country. When this is done I have no doubt that it will give encouragement to many to open up reefs. I have been informed that this will be the case, men knowing where there is likely country which will be worked if it is known that they can get the stone crushed and thereby ascertain its value. The gold from this district has realised £4 2s. 6d. per ounce.

I have, etc.,

H. G. WRIGHT,

Warden, Ashburton Goldfield.

Warden's Report on the Gascoyne Goldfield for 1897.

SIR,

I have the honour to report, for the information of the Minister, that I visited Bangemall (Gascoyne) Goldfield on the 12th inst.

1. Bangemall is distant from here (O'Grady's Creek, Ashburton River) about 100 miles, *via* the Wandaring Creek, travelling through the Eastern end of the Capricorn Range; thence in a South-Westerly direction through the Eriegullia Gap (in a range about 55 miles from here); thence South to Edithana Pool, on the Lyons River. This road would be risky in a dry season. Water and feed is scarce, and some of the travelling on the Ashburton side very rough. Distance from Carnarvon about 270 miles; from Mount Augustus, 30 miles West; from Edithana Pool, on the Lyons River, seven miles; from Peak Hill, *via* Mount Clere, about 180 miles.

2. The settlement is well situated, a creek running East and West in front of it; and at the back, running about East and West, is a low-lying ridge of hills with a gentle slope to the creek. This would, when the population and importance of the place warrant it, make a very good townsite.

3. The water supply is excellent. The Government well which is sunk in the settlement is down 40ft., and at the present there is 14ft. of fresh water in it. There is a good supply of timber, chiefly mulga, which is an excellent wood for durability. Edithana Pool, which is distant about seven miles, is over a mile long; depth over 30ft. This is a fresh water pool. There is a plentiful supply of white gum timber around and in the vicinity.

4. The population at Bangemall is 21. There is a good supply of meat, both beef and mutton; the price being 4d. to 5d. per pound. Flour is 6d. per lb. Two butchers and one storekeeper are on the field. Other provisions are sold at a reasonable price considering the distance from Carnarvon.

5. I visited the mines. There are five working, and one protection area. The Boss mine has an underlay down about 30ft. Some very rich specimens are obtained from this underlay, being fine and coarse gold in quartz, and fine gold through ironstone. Several leaders on the surface show gold. Three shafts (vertical) have been sunk. The main reef has not yet been struck. The shaft now being sunk is down 40ft.; and it is anticipated the reef will be struck within a few feet. The Eldorado reef is showing gold freely from the surface to the bottom in all three shafts sunk. The underlay shaft is down 30ft., and fine and coarse gold is visible in the leaders which run from top to bottom. In one of

the vertical shafts gold is obtained at water-level (40ft.). In this shaft there is a good body of quartz and ironstone, well mineralised, showing gold freely. In the shaft now being worked (down a depth of 45ft.) a leader was struck, widening at the bottom to 4ft.; gold is discernible all the way down. Fine gold is obtained from the loose soil by washing. I went down these various shafts myself. The Gem is down 70ft. (water level). In this shaft several leaders showing gold, both coarse and fine, are running down to the bottom. Two drives have been put in—one at 30ft., and one at 70ft. In both drives gold is to be seen in the leaders. The ground is very disturbed; but as depth is attained it becomes more settled. The Envy is down 70ft. A few leaders are to be seen carrying a little gold.

The other mines are sinking vertical shafts, but up to the present no reef has been struck.

I visited the Protection Area, 12 miles West-North-West from Bangemall. The leaders on the surface are showing gold; good surface work has been done, but no deep sinking as yet. This country has a very promising appearance, with numerous gullies where alluvial has been found. There is a belt of about 12 miles extending from Bangemall; it has never been prospected to any extent on account of there being no water, and the road for carting same is somewhat rough.

6. The country in and around Bangemall has a very disturbed appearance. The stone is a glassy quartz with ironstone veins running between, and is well mineralised.

7. The miners and diggers are an orderly and progressive community, and are very sanguine for the future of the field. At the present time the mines are all within an area of half-a-mile, and distant about half-a-mile from the settlement. A number of business and residential areas have been pegged out, which I will consider on my next trip there, about the end of September. A 10-head battery is expected shortly. There is a large quantity of stone now ready for crushing.

8. In conclusion, I wish to thank Mr. Hancock, of Ashburton Downs Station, Ashburton River, for his courtesy in providing me with a native guide across the Ranges whilst shearing was in full swing at his station.

I have, etc.,

H. G. WRIGHT,

Warden, Ashburton and Gascoyne Goldfields.

Mount Mortimer, 21st August, 1897.

Warden's Report on Peak Hill Goldfield for 1897.

SIR,

I have the honour to submit, for the information of the Hon. the Minister, a general report on this goldfield from its opening on April 6th, 1897, to the end of the same year.

1. The field has made good progress in the last nine months, and the general indications for its future are exceedingly promising.

A considerable area of ground has been applied for as gold mining leases, and as this ground will now have to be worked, this new quarter will probably show a considerable advance in mining. Owing to the length of time which elapses before the leases can be approved by the Minister under the new regulations, and the labour conditions be enforced, most of the leases taken up have been unworked till now. This has, of course, retarded mining, except in one or two cases where the ground paid to work from the start, and tends to the holding of ground for speculative purposes only.

2. Last September almost the whole of the leases being worked on the "Patch" were purchased by an English company (the "Peak Hill Goldfields, Limited,") for a very large sum of money. Since taking over the properties I am glad to say that the Company have, through their manager, Mr. Reed, pushed on work in an energetic way, and are developing their mines in a systematic manner. They have now about 140 men on their pay-sheet. As will be seen by the returns furnished to the Department, Peak Hill holds the pride of place for gold won, and there is every reason to believe that the output of gold from this field will be largely increased this year when other mines get to work.

3. There is a group of leases situated about one mile North-West from the town, which I hope to see give a good account of themselves shortly. One of the pioneers of Peak Hill holds interests in this group, and I am informed that it is his intention to erect a battery there. If this is done it will greatly benefit the place, as there is plenty of promising country in the immediate vicinity, and the leases there, as far as they are developed, give plenty of promise for the future.

4. From the statistics I append, it will be seen that, taking into consideration the distance of this field from the seaboard, and the limited population, the revenue received has been a fair one, and in view of the promising future, the establishment of a Warden's Office and other Government Departments is, I think, fully justified.

As the field has only been nine months in existence, I am, of course, unable to make any comparison as to its progress. A proper building for a Warden's Court and offices is a necessity in a climate like

this, and I am glad to see that a sum of money has been voted for that purpose. The present tent is quite unsuitable for a growing place like Peak Hill, and I trust the Public Works Department will put the matter in hand early.

5. The population of Peak Hill and the district is now about 250, without counting those at the Horseshoe, and is increasing daily. Peak Hill has been gazetted as a town, and a good many applications have been lodged for town lots. When these are sold, probably next month, the population will be increased, as people will be able to settle down and start in business. The health of the people here is, I am glad to say, fairly good, but a little more energy on the part of the Local Board of Health would not be amiss.

A movement has been made by the manager of the big Company and the townspeople in the direction of getting a medical man and a hospital, and I am informed that matters are fairly started, the Government having come to their aid in a liberal way.

6. One of the most pressing questions here lately has been that of water supply for the goldfield. The public well on the "Patch" only gives 800 gallons per diem, and that is of course an insufficient supply for the residents. Moreover, when some of the adjoining mines get to water level, this source of supply will be absolutely cut off. I am glad to hear, however, that after many days, the Water Supply Department have a boring machine on the way, with a view of testing some other locality for water before sinking a well. I do not anticipate any difficulty in getting a good supply within a reasonable distance of the town boundary. I hope that when a well is sunk, the Department will keep it in their own hands, as in Cue at present. In this way a revenue will be derived more than sufficient to pay expenses, and the water supply will be in responsible hands. At the Horseshoe the men engaged in sinking "Stink Well" were removed from there and returned to Day Dawn. In view of the urgency of the matter, and at the request of the residents there, I authorised the letting of a contract for sinking another 20 feet. I am pleased to say that a small supply of fresh water, about 5 gallons per hour, was obtained.

Since then the Progress Committee out there have let a further contract on their own account (as I refused to take further responsibility), and I am informed that after sinking 5 feet more the supply has been increased to 10 gals. per hour. [This supply is now increased to 20 gals. per hour.] It is therefore certain that a satisfactory supply will be obtained with a greater depth. The leases at the Horseshoe, when fully manned, will employ a considerable number of men, and any expenditure in the direction of a water supply for them will be fully justified.

PROSPECTING.

7. Owing chiefly to the dry weather and the absence of water about the country, little or no prospecting has been done lately, but when rain falls, as I hope will be the case soon, I hope to see a good many men going out. I am sure that there is plenty of scope for systematic prospecting with good hope of a substantial reward. I have not heard of any new finds of alluvial lately, the patch that was worked some little time ago being now held as leasing ground, though one or two men are still working there dry blowing.

9. The weather has been very hot and dry lately, and it is impossible to go any distance from the limited water supply at present.

10. The new post office, which is a fine building, is now completed, and is temporarily in charge of Mrs. Bagot, but I trust that a permanent post office official will be shortly stationed here, as the rapidly increasing population demands.

11. I visited the Horseshoe yesterday, and find that those leases on which the labour conditions are compulsory, are being manned, and I was informed that the others would be worked when the time came. So far as I could ascertain, the owners of the various leases are well satisfied with their prospects, some of them comparing the country to Mt. Morgan in Queensland, and I look forward to the Horseshoe as an important centre in the near future. The Water Supply Department have sent up a surveyor, who is now engaged on the survey of a direct road to the Horseshoe from here. He expects to get a road through in about 14 or 15 miles. This will be of considerable benefit to the travelling public and residents, and will tend to open up the auriferous country between the two places. If a well can be put down about half way, it will greatly assist prospecting, as there is very promising country there.

I am glad to say that a supply of about 20 gallons per hour has been got in Stink Well of beautiful fresh water, but the well is not yet out of the hands of the contractors. I would suggest that the first well on the main road, which was given up after getting saltish water at 100 feet, should be sunk a little more, as it will give a supply for stock and leave Stink Well available for the residents.

12. I attach a Schedule showing the business done and revenue derived, etc., from this goldfield for the past nine months.

13. I am glad that under the new system adopted by the Statistical Department, this field now gets individual credit for its gold production, but the establishment of a Bank and a Money Order Office are things much to be desired.

I have, etc.,

CHAS. U. BAGOT.

13th January, 1898.

Statistics of Revenue collected at Warden's Office, Peak Hill, and other data.

The total revenue received from the opening of the Office on April 8th to December 31st, 1897, was £1,452 15s. 11d., made up as follows:—

	£	s.	d.
Mining Revenue	1,085	8	6
Internal „	200	16	6
Land „	80	0	0
Sales Internal Revenue Stamps	86	10	11
	£1,452 15 11		
No. of Leases applied for			59
Area „ „ (acres)			720
Number of Leases held			74
Acreage „ „			799
Number of Miners' Rights issued			261
Business Licenses issued			21
Number of Batteries			1
„ Stamps			10
Tons of Ore crushed		1,653	
Yield of Gold			7,022ozs.
Yield of Alluvial Gold: Not ascertained, probably			600ozs.

NOTE.—The gold return is for the nine months ending 31-12-97.

CHAS. U. BAGOT,
Warden.

Warden's Report on the Murchison Goldfield for 1897.

SIR,

For the information of the Honourable the Minister of Mines, I have the honour to hand you the following general report on the Murchison Goldfield for the year ended on the 31st December, 1897:—

1. Accompanying the report will be found general statistics, which I have had compiled, showing the gold yield for the year, and the amount of business transacted at the Warden's offices throughout the district.

2. As in previous years, the goldfield is divided into four districts—namely, Cue, Day Dawn, Mount Magnet, and Nannine—and each of these shows an advance during the year under review. Even the most pessimistic could not say there was any sign of a retrograde movement anywhere in the field. In compiling the returns I have endeavoured to show, where possible, the work of each of these districts separately, and a reference to them will show the satisfactory state of affairs existing.

3. During the year—in April last—railway communication was established as far as Cue. The advent of the railway must benefit all concerned in the mining industry on the Murchison.

During the year, however, the line remained in the hands of the contractors, and freights were not as low as they might be—being in fact very high; nor were facilities as abundant as they may be expected to be when the line is taken over by the Government.

WATER SUPPLY.

4. During the year some of the mines around Cue experienced a difficulty in getting sufficient water for battery and general mining purposes. It has been found in some instances that though a large supply of water is available between the surface and the 200ft. level there is no supply below that level. This scarcity of water is confined of course to individual cases, and I do not anticipate any great difficulty in overcoming it; but, nevertheless, it has had the effect of compelling at least forty head of stampers to remain idle for the greater portion of the year.

5. The general health of the people was excellent, very few cases of enteric fever (our worst general ailment) occurring, and only five cases proved fatal. The total number of births on the field was forty-seven, and the total number of deaths forty-seven.

6. The output of gold from the Murchison field during the year has been excellent, considering the number of miners employed in obtaining it, being a total for the year of 70,450ozs., or over 35½ozs. per miner employed. It shows a steady increase from month to month, indicating that mine-owners have nothing to fear from prosecuting research in their properties; the general outlook is healthy and promising. Given ample crushing power, sufficient stone, and a plentiful supply of water, the total expense of obtaining the gold can be covered by a yield of from eight to ten pennyweights per ton. And yet, in face of the promising and satisfactory record for the year, the Murchison has not made advance to the extent which it ought. That it has advanced cannot be denied—a slow, steady, and, I hope, permanent advance; but I look in vain for the considerable and rapid advance which, I consider, is justified by the results obtained all round.

7. In conclusion, I beg to direct special attention to the statistics, which are records accompanying this report, and which speak for themselves, and need no word from me. I cannot finally conclude without expressing my warm appreciation of the services rendered to the Department and to myself, in the discharge of my many official duties, by the various officers stationed on this goldfield.

I have, etc.,

E. P. DOWLEY,
Warden, Murchison Goldfield.

Cue, 1st March, 1898.

STATISTICS MURCHISON GOLDFIELD, YEAR 1897.

<i>Revenue.</i>				£	s.	d.
Mining Revenue	...	...	...	8,395	4	6
Land Revenue	...	...	...	610	17	0
Internal Revenue	...	...	...	5,600	10	5
Sales Internal Revenue Stamps	...	...	...	790	7	1
				<hr/>		
				£15,396	19	0
Inspector of Mines:—						
On account of Engine-drivers' Examinations...				£100	0	0
				<hr/>		
Total Revenue				£15,496	19	0

During the year considerable sums of money, representing revenue for this field, were received at the Mines Department, Perth, for rents on leases, transfers, caveats, liens, etc., in connection with leases on this field.

GOLD STATISTICS.

Table showing Ore crushed, and Yield of Gold; compiled from Leaseholders' Quarterly Returns and Machinery Area Returns.

District.	Tons of Ore.	Return in ozs.	Average per ton.
Cue	26,201	22,505	ozs. dwts. grs. 0 17 4
Day Dawn	18,337	18,079	0 19 17
Mount Magnet	17,441	12,466	0 14 7
Nannine	15,428	10,011	0 12 23
	<hr/>	<hr/>	
	77,407	63,061	

These figures give an average from the Murchison Goldfield of 16dwts. 7grs. per ton.

The total amount of gold sent away by the Banks in Cue under escort during the year was 97,566ozs. 2dwts. 14grs., which is made up as follows:—

	ozs.	dwts.	grs.
Amount reported to the Warden's offices by leaseholders and owners of machinery areas (as per preceding table)	63,061	0	0
Alluvial and dollied gold (approximate only) not reported, but exported under escort	6,000	0	0
Gold won from quartz claims and protection areas, crushed at batteries erected on leases, and not reported (approximate); exported under escort	1,389	2	14
<hr/>			
Total gold won on Murchison Goldfield	70,450	2	14
Balance, being gold received by the Cue Banks from Peak Hill and East Murchison Goldfields	27,116	0	0
<hr/>			
Total gold exported from Cue	97,566	2	14

In addition to the above no doubt a considerable amount of gold was found on the field, and taken away by the miners themselves without being entered for escort or reported.

The average number of miners employed on Gold Mining Leases, as per the Leaseholders' Quarterly Statements, was	1,780
Number employed in mining, other than on Gold Mining Leases (say)	200
<hr/>	
Total average miners employed during year	1,980

This gives an average return per miner employed on this field of over 35ozs. 11dwts. 14grs.

The following table shows the largest gold-producing mine in each district of the field during the year, as extracted from Leaseholders' Quarterly Returns:—

Name of Mine.	District.	Tons crushed.	Gold obtained.	Average per ton.	Average number of men employed during year.
Cue One Gold Mine, Limited ...	Cue ...	6,688	ozs. 4,898	ozs. dwts. grs. 0 14 15	49
Consolidated Murchison Gold Mines, Limited ...	Day Dawn ...	8,613	4,588	0 10 16	143
Morning Star Co. ...	Mount Magnet ...	12,923	6,964	0 10 19	64
Champion Gold Mining Co. ...	Nannine ...	9,303	4,689	0 10 2	110

The number of Stamper Batteries erected at the end of the year.

District.	No. of Batteries.	No. of Stamps.
Cue ...	11	145
Day Dawn ...	8	95
Mt. Magnet ...	3	40
Nannine ...	11	125
	<u>33</u>	<u>405</u>

During the year at least four of the above batteries have been idle owing to the want of water, and the erection of three of them was only completed towards the latter end of the year.

In addition to the above, one Cyanide Plant and one Otis Mill are also erected on the field; the former in Day Dawn and the latter in Cue District.

Statistics of the work performed on the Field under the Goldfields Act during the Year:—

Number of Gold Mining Leases in existence at end of year ...	420
Number of Gold Mining Leases applied for during year ...	148
Number of Gold Mining Leases voluntarily abandoned during year ...	85
Number of Gold Mining Leases forfeited on complaints during year ...	83
Number of Gold Mining Leases voided for non-payment of rent during the year ...	137
Area of Gold Mining Leases in force at end of year (acres) ...	4,031
Miners' Rights issued during year ...	1,273
Consolidated Miners' Rights issued ...	4
Business Licenses issued ...	52
Quartz Claims registered ...	23
Alluvial Claims registered ...	4
Protection Areas registered ...	28
Tunnelling Areas registered ...	1
Residence Areas registered ...	34
Business Areas registered ...	16
Machine Areas registered ...	1
Tailings Areas registered ...	2
Garden Areas registered ...	1
Water Rights registered ...	8
Transfers registered (G.M. Lease) ...	321
Transfers registered (other than G.M. Leases) ...	61
Registrations of Stacks registered ...	1
Declarations of Loss (under Regulation 134) ...	9
Liens registered ...	14
Caveats registered ...	33
Agreements registered ...	28
Powers of Attorney registered ...	54
Exemptions heard:—	
Granted for Want of Funds and other reasons ...	439
Granted for Concentration of Labour ...	213
Refused ...	28
	<u>680</u>

Business done under Mineral Lands Act:—

Mining Licenses issued ...	9
Quarry Licenses issued ...	53
Mineral Leases applied for ...	4
Protection Areas applied for ...	1

Warden's Report on East Murchison Goldfield for 1897.

Herewith I beg to submit my Annual Report on the East Murchison for the year ending 31st December, 1897.

During the year under review everything has been exceedingly dull, few new leases having been taken up, and owing to the prospectors not having sufficient capital to put machinery on their different mines, and being unable to get any stone crushed, I have been compelled to grant a very large amount of exemption, as in most cases they have done good work, and hope to be able to hold on to their mines until crushing plants are erected by the Government or private enterprise. In no case during the whole year has there been an objection lodged to an application for exemption, which shows the exemption was practically necessary. I much regret this, but I think it is fair to the prospector to give him every facility to reap the benefit of his labour.

Notwithstanding everything being so dull, I am pleased to be able to state the gold output has steadily increased, and is likely to increase much more during the coming year.

At the beginning of the year only 10 heads of stamps were erected and crushing on the field, being the property of the Great Eastern East Murchison United, Limited, at Lawlers; since then they have erected another 10-head of stamps and a Berdan pan. This mine crushes continuously the full 24 hours daily.

The Bellevue Proprietary, Limited, at Mount Sir Samuel, have erected a 20 (twenty) head battery on the Bellevue leases, but owing to their not having a large supply of water they have only been able to crush with 10 (ten) head for 12 hours daily. As soon as sufficient water is obtained, which they expect to strike daily, the full twenty (20) head, for the 24 hours, will be set in motion. They have a very large body of high grade ore, and have now cut the reef in the lower level at the 140ft., which is highly satisfactory.

At Lake Way the W.A. Goldfields' Company have erected a small three-head battery for the purpose of testing their reefs before erecting larger plants, and have crushed a few trial crushings for several of the mine owners in the vicinity with highly satisfactory results. Mr. S. E. Cook is also erecting a small five (5) head battery in this locality.

At Lake Darlôt a ten (10) head public battery is being erected by Messrs. Smith & Langford, formerly of Lawlers and Cue. They expect to be ready to crush early in February. This will give an immense impetus to the mining in this locality, and already many of the prospectors are raising stone to be crushed, and many abandoned mines have been taken up again, now there is some hope of having a crushing put through. This is an example of the good public crushers would do.

The British King Lease, owned by the London and West Australian Exploration Company, Limited, are so satisfied with the prospects of their property that they are erecting a pumping and winding plant, so as to fully develop the mine ready for the erection of a crushing plant.

At Wilson's Creek a winding and pumping plant has just been erected on Raff's Great Western Gold Mine, and the manager reports that a crushing plant will shortly be erected.

The following mines have reported their output for the year:—

	tons	cwts.	qrs.	lbs.			ozs.	dwts.	grs.
Great Eastern	8,643	0	0	0	...	...	15,218	11	1
Donegal	2,112	0	0	0	...	...	2,441	0	0
Bellevue	943	0	0	0	...	...	1,968	9	0
St. George	0	3	1	2	...	...	326	0	0
International	25	0	0	0	...	...	95	14	6
Golden Age North	0	0	2	0	...	...	44	0	0
Lake Way East	0	0	2	0	...	...	17	3	8
Bounty	0	2	0	0	...	...	6	0	0
Black Swan	0	4	0	0	...	...	5	12	10
	<u>11,723</u>	<u>10</u>	<u>1</u>	<u>2</u>			<u>20,122</u>	<u>10</u>	<u>1</u>

Record of Alluvial Gold for the nine (9) months ending 31st December, 1897	664	13	16
--	-----	-----	-----	-----	-----	-----	-----	----	----

Several small patches of alluvial were discovered during the year, but they were soon worked out. There is not the slightest doubt that a great deal of alluvial gold is taken away privately to the more Southern fields, for which we have no record.

During the year the telegraph line was opened, a branch of the Union Bank established, with also a monthly gold escort to Cue. These are of immense benefit to the field. Provisions are plentiful and reasonably cheap. Fresh beef, local grown vegetables, are supplied daily. The rate of cartage from Mount Magnet is now from £9 to £10 per ton.

A. G. CLIFTON,
Warden.

Lawlers, 21st January, 1898.

Report on the Yalgoo Goldfield for 1897.

To the Under Secretary for Mines, Perth.

SIR,

I have the honour to make the following general Report on the Yalgoo Goldfield for the year ended 31st of December, 1897, for the information of the Honourable the Minister:—

1. The total revenue received at the Warden's Office for the year amounted to £3,322 10s. 1d., comprising—

	£	s.	d.
Mines Revenue	2,278	3	3
Land Revenue (rents for pastoral leases in the Yalgoo District are not included in these returns, as they are paid in Perth)	205	7	6
Internal Revenue	678	9	4
Internal Revenue—Stamps Account	160	10	0

In addition to the above amount considerable sums of money representing revenue for this field were received at the Mines Department, Perth, for rents of leases, transfers, *caveats*, liens, etc., in connection with leases on this field.

2. On the 31st December, 1897, the following Gold Mining Leases and Areas were in force:—

Leases in force	98
Area of Leases in force	1,032 acres
Reefing Claims	14
Protection Areas	17
Residence and Business Areas	137
Machine Areas	3
Tailings do.	2
Garden do.	3
Water Rights, Wells	4
Miners' Rights issued during year, 336)	
Consolidated Rights do. for 10)	346
Business Licenses do.	28
Declarations under Clause 134	8
Transfers registered during year	77
Exemptions do.	115
Exemptions for concentration of labour registered during year	74
Liens registered during year	5
Powers of Attorney registered during year	19
Agreements registered during year	14
<i>Caveats</i> registered during year	1
Timber Licenses issued during year	37

Of the 98 leases in force eight only were under exemption on the 31st December, the remainder (90) being worked.

During the year I have heard 39 Warden's Court plaints (in addition to applications, etc., etc.), 49 Local Court plaints, 99 Police Court cases; and I issued 45 licenses and transfers under the Goldfields Licensing Act.

MACHINERY.

3. The undermentioned quartz-crushing and pumping and winding machinery has been erected on the field:—

	Batteries.	Stamps.		Winding and Pumping Plants.		
Yalgoo	2	15	Yalgoo ... ..	...	...	2
Noongal	2	15	Carlaminda ... ..	...	...	1
Bilberatha	1	10	Noongal ... ..	...	...	2
Gullewa	2	13	Gullewa ... ..	...	...	3
Yuin	1	3	Rothsay ... ..	...	...	1

GOLD OUTPUT.

4. The following return shows the quantity of ore treated at the batteries for the year, and the return of gold therefrom:—

Ore crushed.		Gold Yield.
3,669 tons 17cwt. ... ..	...	3,458ozs. 5dwts. 15grs.

Several small patches of alluvial gold have been worked during the year on various parts of the field. I saw several fine slugs, two and three ounces in weight, which had been unearthed at Pinyalling, but I have been unable to obtain a fair estimate of the total quantity obtained, as the alluvial miners are not compelled to report the quantity of gold won.

POPULATION.

5. As the population of the Yalgoo Goldfield is scattered over such a large area (about 18,820 square miles), it is a hard matter to collect reliable data as to the total number. On the 30th September, 1897, I estimated the population as follows:—Males 1,605, females 417, total 2,022. However, since this estimate was made the population has decreased in number. The total population of the field would now be between 1,700 and 1,800 including miners, business people, squatters, etc. The principal cause of this decrease in the population is the withdrawal of numbers of men who were employed in the goldfield on the Mullewa-Cue Railway line.

RAINFALL.

6. The total rainfall for the year was 1,141 points, the greater portion of which fell during the months of June and July. This is the best and heaviest rainfall that the district has been favoured with for many years. In the early part of the year stock were dying from the effects of the drought, and the squatters suffered heavy losses in consequence, but the rains which fell during June and July were fortunately general throughout the district, and tended to enable them to recoup their losses.

PASTORAL.

7. Returns made to this office in the early part of the year show that an area of 5,442,212 acres of Crown Lands on this field were leased to and occupied by graziers, and the live stock depasturing in the district were as follows:—

Horses.		Horned Cattle.		Sheep.
914	...	1,510	...	103,497

Since the date of these returns the area of leased land has been considerably increased by fresh applications from settlers, owing, no doubt, to the unusually good season which we have just experienced. The advent of the railway from Geraldton to Yalgoo has proved a great boon to the settlers, as they are now able to rail their wool direct to the port of shipment, thus saving heavy cartage expenses.

GENERAL REMARKS.

8. In common with the majority of the goldfields of the Colony, Yalgoo has suffered from the general depression in mining matters which took place during 1896. Business has been very dull during the year, but the majority of the principal mines are giving employment to a considerable number of men, and are being steadily developed. The recent developments at the Dollar Gold Mines, Carlaminda; the Emerald Reward Mine, Yalgoo; the Gullewa Gold Mines, Gullewa; Field's Find Mines, and the Pinyalling Consols, Pinyalling; and Woodley's Reward Mine, Rothesay, are highly satisfactory. Only two of these mines have batteries erected—viz., the Emerald Reward Mine, five head of stamps; Gullewa Gold Mines, ten head of stamps. Their returns for the year are as follows:—Emerald Reward, 563 tons of ore crushed for a yield of 588ozs. 3dwts. of gold (this mine was idle for the first half of the year); Gullewa Gold Mines, 1,195 tons ore crushed for a yield of 1,748ozs. 9dwts. gold. I am informed that several other mining companies are now making arrangements for the erection of crushing machinery, which they expect to have at work during the coming year. The deepest shafts on the field at present are down about 240ft. Good supplies of fresh water are easily obtainable in most parts of the district.

Doubtless, in the course of time, as the Yalgoo Goldfield becomes better known to the outside world, large tracts of auriferous country which are at present untouched will be prospected, and possibly valuable discoveries made; but I believe that the ultimate success and future of the field will depend on the successful treatment of the large bodies of low grade ore which exist throughout the district. The Pinyalling auriferous belt is well worthy the attention of prospectors. The few mines which are now being developed in that locality look extremely well. If well equipped parties of experienced prospectors could be induced to go out and prospect the auriferous belts on this field, it would probably cause large areas of land, which are now lying idle and useless, to be opened up to the miner and capitalist, and which in the near future would support a large population and become a source of revenue to the country. In my opinion *bonâ fide* prospectors should receive every encouragement and assistance from the Government.

The general health of the field during the year has been excellent. Comfortable hospital tents are established at Yalgoo under the control of Dr. Lawson and the local hospital committee. Progress associations and local boards of health have been established at each of the principal centres of the field. These local bodies receive monetary grants from the Government to assist them in maintaining sanitary regulations, and this no doubt accounts for the fact that no serious outbreak of typhoid fever has taken place during the year.

Two new townsites have been surveyed and laid out during the year, viz., Gullewa and Rothesay (both important mining centres). Telegraphic communication has been established between Yalgoo and Gullewa, and a line is now in course of erection between Yalgoo and Murgoo, the chief squatting centre of the Yalgoo and Murchison Districts. [The Murgoo line has since been opened.] This line, when completed, will prove a great boon to the squatters and residents of the locality, as well as to drovers and travellers from the North-West and Kimberley.

The Yalgoo Roads Board has done good work in opening up several new roads in the District. All of the main roads on the field are now well supplied with water; the Water Supply Department having put down a number of wells during the year. Two Government schools have been established, one at Yalgoo having 40 children on the roll, and the other at Gullewa with 20 children on the roll. Twenty births and 23 deaths were registered at Yalgoo during the year. I am pleased to be able to report that no fatal accidents have taken place at the mines during 1897.

I have, etc.,

P. L. GIBBONS,

Warden.

Yalgoo, 3rd January, 1898.

Report on the Yilgarn Goldfield for 1897.

Southern Cross,
May 21, 1898.

SIR,

I have the honour to report on the Yilgarn Goldfield for the year 1897.

The mines and the field generally are on the whole prosperous, and the buildings erected and the money spent locally in permanent work are full evidence of the confidence of everyone in the present and future of this field. The public buildings and their appointments are such that we compare most favourably with much older towns in the Colony; and such buildings as the Court House, Post Office, School, and Hospital are a credit alike to the Goldfield and to the Government. Business on the whole has been very good, and the people prosperous.

	£	s.	d.
The total Mining Revenue for the year 1897 was	1,476	1	10
151 Timber Licenses and 22 Sandalwood Licenses yielded	50	0	0
Receipts from land purchase	20	0	0
General Revenue	498	14	6
The Municipality received half fines for offences within Municipal boundaries	48	7	9
Stamp Revenue	6	3	0

78 leases (Gold Mining) were in force during 1897, and nine leases were applied for. The leases voided for non-payment of rent in 1897 were 85 in number.

Leases now in force	81
Miners' Rights issued	157
Miscellaneous Holdings registered:—	
Residence and Business Areas	8
Garden Area	1
Agricultural Area, 300 acres	1
Quartz Claims	4
Water Rights	2
	16
Liens registered	1
Caveats	14
Exemptions granted	139
Concentrations granted	8
Total applications for Exemption Protections	151
	60

There has been very little business under the Mineral Lands Act; but 160 acres were granted as mineral lease at Parker's Range for the purpose of working iron, the ore of which, as found on this lease, is almost the purest known, and is in great abundance. It is the intention of the company to build a tram or railway line, and as this company is a very powerful one, good results are likely to follow.

Negotiations also are on foot for the establishment of a large cyanide plant, as the tailings here are considered valuable, and there is a very large quantity.

Occasionally a small quantity of alluvial is obtained, but not as yet the deep leads, though there is no reason why they should not be found if searched for.

In the outlying districts things are quiet just at present, but, as in the case of Mount Jackson, are certain to recover their prosperity. At Mount Jackson the Associated Mines, after a short respite, will start again with good prospects.

Land has been surveyed for agricultural blocks, and can now be taken up, and considering the rich nature of the soil, as evidenced by the success of small gardens, I consider that in years of good rainfall a good crop can easily be obtained.

The Government school maintains its standard, and the attendance is good; but will improve when the compulsory clauses are enforced.

Great improvements have been made by the Council in Southern Cross in making footpaths, erecting street lamps, and building municipal chambers and carrying out other works; and the Roads Board have greatly aided in mending and making roads, etc., in the district; so that in every department we are immensely better off than in 1896, and there is every sign of continuance of these improvements.

Fraser's Mine still keeps the first place in the district, and is most efficient as regards its plant and workings, and the others on the same line of reef will presently also come to the front.

Outside Southern Cross there are some nice reefs opened up, and, with a little capital, should do well, and they are being thoroughly developed.

On the whole the field is substantially prosperous and doing well.

I have, etc.,

VICTOR BLACK,

Warden.

Report on the Coolgardie Goldfield for 1897.

From the Warden, Coolgardie Goldfield, to the Under Secretary for Mines, Perth.

SIR,

I have the honour to report on this Goldfield, for the information of the Honourable the Minister of Mines, for the year ended 31st December last.

AURIFEROUS LEASES.—During the year a large number of leases have been abandoned. At the present time there are 459 leases in force; the area of these amounts to a total of 6,390 acres. Of these, 205 were applied for during the year. I am glad to be able to say that of the leases now in force a large proportion are apparently payable, and when water shall have been obtained will be valuable mines.

During the year 55,746 tons of quartz have been crushed for a return of 68,323ozs. of gold, valued at £260,000.

ALLUVIAL.—Alluvial miners are at work on patches scattered over the Goldfield. During the year the largest amount of alluvial gold, from any one place, was obtained at Red Hill, situated on Lake Lefroy, about 40 miles South of Coolgardie. It is a very difficult matter to obtain any reliable returns of alluvial gold, but, as far as I can find out, the alluvial return amounts to about 26,000ozs.

MINERAL LEASES.—There are 27 Mineral Leases in force, amounting in area to 692½ acres. During the year two Prospecting Licenses for coal were issued.

MINERS' RIGHTS AND BUSINESS LICENSES.—During the year 2,981 Miners' Rights and 48 Business Licenses were issued.

CRUSHING MACHINERY.—There are 24 stamper batteries, totalling 327 head of stamps. There are also four mills, of different descriptions, and one cyanide plant complete, with others in course of construction.

During the year 179 Business and Residence Areas have been registered.

Generally good work is now being done on the mines in the way of development. Several of the mines have now rock drills and air compressors, so considerably reducing the cost of working. The great difficulty is, however, the water supply. I have no hesitation in stating that, could water be obtained in sufficient quantity, this goldfield would, from its present mines, at least return 30,000oz. per month.

The following are the details of business transacted in the office during the year:—

Applications for leases received	...	...	...	...	...	205
Miners' Rights issued	...	...	...	...	...	2,981
Transfers Shares Gold Mining Leases received	...	...	...	...	...	220
Caveats	...	...	...	...	...	72
Liens	...	...	...	...	...	19
Injunctions	...	...	...	...	...	10
Plaints received	...	...	...	...	...	493
Powers of Attorney registered	...	...	...	...	...	82
Exemption Applications	...	...	...	...	...	893
Machine, Tailing, and Garden Areas registered	...	...	...	...	...	14
Business and Residence Areas	...	...	...	...	...	179
Water Rights, Quartz Claims, Prospecting Areas	...	...	...	...	...	32
Transfer of Claims, Areas, etc.	...	...	...	...	...	50
Business Licenses issued	...	...	...	...	...	48
Prospecting Licenses issued for Coal	...	...	...	...	...	2

I have, etc.,

JOHN M. FINNERTY,
Warden, Coolgardie Goldfield.

9th February, 1898.

Report on the East Coolgardie Goldfield for 1897.

SIR,

Warden's Office, Kalgoorlie, 18th April, 1898.

I have much pleasure in forwarding you my Report for 1897, together with a statement showing the statistics connected with this field.

In comparing these statistics with those of the previous year you will observe that the Leases in existence at present are less by 312 than in 1896.

This is caused by the fact that numbers of Leases have been thrown up, which have been proved to be of little value, and are in many instances outside the auriferous belt, and were only taken up originally for speculative purposes; probably, however, in days to come, many of these may be proved payable. The acreage comprised in the leases at present in force amount to 12,443 acres, compared with 14,701 acres in 1896.

Residence Areas in occupation for the past year are as follows:—In Kalgoorlie 1,213; at the Boulder 678. This, compared with 1896, shows an increase of 1,116 areas; proving, without doubt, that settlement is growing.

More areas are required, and as I pointed out in my last Report, every facility should be given the miner to enable him to settle down with his wife and family.

Water Rights have increased by 22.

Tailings Areas have increased by 1.

Machine Areas have increased by 7.

18 Garden Areas have been granted containing 54 acres. This is a healthy sign.

8 Poultry Farms have also been registered.

There were, during 1897, 18 gold-producing mines, showing a substantial increase over 1896.

The gold output for the last year was 298,665oz. 5dwt. from 111,973 tons 5cwt., averaging 2oz. 13dwt. 8gr. per ton, as compared with 150,667oz. from 50,000 tons ore, averaging per ton 3oz. 0dwt. 6gr. for 1896.

Batteries have been erected during 1897 on the Hainault, Associated Gold Mines, Great Boulder Main Reef, Hannans Reward, Hannans Oroya, and 40-head on the Lake View Consols, North Boulder, Brookman Brothers' Boulder, one 10-head on Hannans Public Crushing Company, one 10-head on the Leviathan Crushing Company, and Lake View South.

The approximate number of miners on the field is 5,000.

The total amount of Mining Revenue received in this office during the year was £19,723 5s. 9d. This includes Warden's Court Fees, Deposits on Plaints, and Fees on Engine-drivers' Certificates.

Fines, etc.—	£	s.	d.	£	s.	d.
Judicial	537	1	5			
Local Court Fees	504	4	7			
	-----			1,041	6	0
Licenses—						
Spirit	1,084	0	0			
Auction	97	2	0			
	-----			1,181	2	0
Reimbursement in aid—						
Medical				1,059	8	10
Water Receipts				2,643	8	2
Special Receipts					28	0
Land Revenue Sales	44,864	4	8			
Timber dues	121	5	0			
	-----			44,985	9	8

				50,938	14	8
Making above total which, together with Mining Revenue				19,723	5	9
Brings the grand total up to				-----		
				£70,662	0	5

A great portion of the annual rents on Leases are received in Perth, and I am unable to include these with those collected here.

141 Gold Mining Leases were applied for, containing an acreage of 2,309 acres 2 roods 7 perches; 61 of these applications were for virgin ground.

12 Mineral Lease applications, containing 110 acres 1 rood 24 perches, were received.

4,242 Miners' Rights were issued, and 11 Consolidated Miners' Rights for 99 men.

95 Business Licenses, and 21 Mining Licenses were applied for.

During 1897, marvellous developments have taken place in most of our leading mines, principally Lake View, Great Boulder, Horseshoe, Kalgurli, Australia, Perseverance, Ivanhoe, Brown Hill. Many other mines show substantial improvement, and I am pleased to be able to say that, at the North end of this field, the Reefers Eureka and one or two other properties have struck good bodies of ore.

Cyanide Plants have been erected on Lake View and Australia Mines, also Brown Hill; the former mine has, under good management, taken a prominent position, and leads the way in modern improvements.

On many mines no attempt has been made, as yet, to erect machinery, but, no doubt, this will be done in the near future, and as soon as completed, I predict the output of gold on this field will be doubled, if not trebled.

The Boulder railway, completed in 1897, has been a great boon to the mines, giving facilities for obtaining machinery and stores at cheap rates. The passenger traffic is also very large, showing that the line was most necessary.

With regard to the water question the Government have wisely decided to commence this great work immediately. When completed, the supply of fresh water will be of incalculable service, both to the people and the mines.

The Town of Kalgoorlie shows great signs of improvement; stone and brick are taking the place of the old iron and hessian structures. This, in itself, proves the stability of the field.

The Boulder township has also sprung into prominence, and has progressed wonderfully during the past year.

The premier position this field has taken in Western Australia; the grand developments of the mines; the immense increase in the yield of gold—all of which matters have been prominently brought before the eyes of the world—render it unnecessary for me to write further on the subject; but there is one matter of importance, which I take the opportunity of referring to, and that is settlement on this part of the Colony. Every facility should be given the miner to obtain a piece of land. A Miner's Right should be sufficient title for a man to hold a quarter-acre block. The easier the terms offered, the greater effect on settlement. A miner holding his lot of ground, builds a home, and brings his wife and family to reside permanently here. This boon, together with cheap living, will be most advantageous to this field, and of incalculable benefit to the Colony.

Public buildings are very necessary for the transaction of business. The present structure has been suitable for the past, but owing to the increase of business, and for the convenience of the public, the time has arrived when further accommodation and buildings of a more permanent nature are required.

The health of the town and district has been good, compared to past years, and I attribute this to the dry nature of the climate and to the improved sanitary arrangements.

The time has arrived when an assistant Inspector of Mines should be appointed. The work is far too great for one Inspector to undertake satisfactorily, as he is quite unable to keep a constant supervision over the mines and conduct his work in his office.

Before concluding this report, I wish to place on record my appreciation of the services rendered by the officers of the departments over which I have control. Their ready and willing assistance, and the able manner in which they have performed their duties, deserve this recognition.

I have, etc.,

FRED. HARE,

Warden.

Reports re Alluvial Finds (North-East Coolgardie Goldfield).

From the Warden, North-East Coolgardie, to the Under Secretary for Mines.

SIR,—

Kanowna, July 22nd, 1897.

Three of these have been made recently, which are situated as follows:—

No. 1.—Ballagundi Find, about half-a-mile West of Ballagundi.

No. 2.—Kurnalpi Find, about 12 miles Westerly from Kurnalpi. *quartzite of p. 46*

No. 3.—Kanowna Find, about one mile west from Kanowna.

All the finds are small in area, and, so far, the yield of gold does not appear to be large. I visited the Kurnalpi Road Rush, as it is called, on the 14th inst., and found about 70 men there, about 15 of whom appeared to be on gold. The largest pieces obtained weighed 15oz., 7oz., and 5oz. The gold is obtained at depths varying from a few inches to seven feet. It is coated with white cement, and it is very difficult to distinguish it from the rubble. A promising reef has been found about a mile distant by — Bourke since the rush set in. The alluvial patch itself is partly on the Mountain Maid and Iron Prince leases, owned by Messrs. Michell, Bail, and Kay.

The Ballagundi Find: About a hundred men were working here a week ago. The prospectors, P. Madden and his mate, informed me they obtained 80 ounces of gold during three weeks' work. They showed me a 9oz. nugget of pure gold. They reckoned up about 140 ounces of gold as the total quantity obtained by the whole of the men.

On the Kanowna Find there are about 30 men at work now; at one time there were about 50. There are only about six claims that are any good; the largest piece of gold obtained from one of these was 11oz. 8dwts. I am not informed of the total quantity of gold won from the patch, but I am sure it is not large. *The newspaper accounts of these finds have been considerably exaggerated.* Besides the finds I have alluded to, other little patches have been found near Kanowna. Altogether these finds have done good by giving employment to a considerable number of men, and by proving that even around the old alluvial workings the alluvial gold has not been exhausted, and encouragement is given to prospectors to test the enormous areas of auriferous country that still remain in a virgin state. Many men are now engaged in trying new ground.

P. TROY,

Warden.

Report re New Discovery of Gold (Alluvial) at Kanowna from the Warden, North-East Coolgardie Goldfield, to the Acting Under Secretary for Mines, Perth.

SIR,

I beg to submit the following Report on a new discovery of alluvial gold at Kanowna:—

About ten months ago three men, named George Sim, Arthur W. E. Gresson, and Henry Watt (the latter since deceased), took up a gold-mining lease of five acres of land which had previously been held as a gold-mining lease and forfeited. This lease is situated about half-a-mile distant North of the town boundary of Kanowna. On this lease an ore deposit, consisting chiefly of red earth, ironstone, and ironstone grit, which formed a hard compact body about 3ft. deep and 2ft. 6in. wide, was found about 3ft. below the surface. It contained rich gold. The formation is in a valley trending Westward, and as it was traced along in a winding course it gradually dipped and became richer. At a distance of 100ft. from the starting point the formation is 12ft. below the surface; in places the gold was very plentiful. On one occasion 29ozs. were obtained by a day's work, and on another occasion 19ozs. in the same time. The success of Sim's party having become known other persons marked off alluvial claims on their Western boundary, and these persons being fortunate enough to find gold a "rush" set in, and a strip of land about a mile long has been taken possession of and marked off as alluvial claims. The total of these claims is about 170, and there are altogether about 200 men engaged in sinking shafts and otherwise searching for gold. Many of the shafts are over 30ft. deep; still, it is said, "bottom" has only been reached in a few instances. In a few claims gold has been found, while in others colours only have been obtained, and in the majority of cases no gold has been found yet. Yesterday Graham and party found a 9oz. nugget and some good coarse gold in their claim. The scene is a most busy one, and the miners are all working in real earnest, and the majority think that the discovery will prove a very important one. Whether it will equal expectations will not be known until the shafts that are now being sunk reach "bottom," where it is believed the gold will be found. Annexed is a *tracing of the alluvial ground, also details of the work done.

P. TROY,

Warden.

18-9-97.

* Inserted after page 48.

Further Report from the Warden, North-East Coolgardie Goldfield, to the Under Secretary for Mines, Perth.

I am glad to be able to report to you that the Kanowna alluvial workings continue to extend in area, and that while the first claims that were taken up show no diminution in their richness, gold is being found in payable quantities in many other claims. It is now roughly estimated that about 70 claims are yielding payable gold. From Sim and Gresson's Lease Westward, for about 40 chains, the whole of the lead may be said to be proved payable. Trending almost North and South there is a belt of country extending from Willis Street for about one mile in length Northwards, which is being vigorously prospected, there being numerous shafts all along the belt, in many of which good gold is being obtained—in some cases at a depth of 60 odd feet. This belt of country, which is now getting to be known as the "North Lead," and which appears to pass through the cemetery, seems likely to extend well into the town. Already numbers of what were vacant town lots are being mined upon. Good gold has been struck on one of these lots by "Tassy" O'Connor and party, who showed me a piece of smelted gold weighing about 14ozs., which they stated had been won from this claim; they also washed a dish of earth from the claim in my presence, the result being about half an ounce of coarse and fine gold. Two or three other claims on town lots are also yielding gold. Having, in company with the Mining Registrar, Mr. Schloo, walked all over the workings this evening, we agreed in the opinion that a large and rich alluvial area has been proved, and that profitable employment for a large number of men is assured for at least 12 months.

Water is plentiful and the price reasonable. The health of the miners is good. Work is being carried on in a friendly manner, no serious trouble of any kind having occurred, and the whole community is most orderly and law abiding. There are rumours of other discoveries in the neighbourhood, but they are not confirmed.

As a natural result of the past success of this discovery and its high promise in the future, all sorts of new businesses are springing up in the town: old buildings are being enlarged and new ones erected in all directions, and the town and workings present as busy a mining scene as one can well conceive.

I have not yet made an attempt to arrive at an estimate of the quantity of gold won from the workings to date, but I propose doing this shortly.

27/11/97.

P. TROY,
Warden.

The Honourable the Minister of Mines, Perth.

Warden's Office, Kanowna, W.A.,
15th June, 1898.

SIR,

I beg to submit, for your information, my Report on the North-East Coolgardie Goldfield for the year ended 31st December, 1897.

No change has been made in the boundaries of the Goldfield or its divisions during the year, and they remain as described in my Report for 1896.

KANOWNA DISTRICT.

(a.) *Authorised Holdings, etc.:*

No. of Leases in force on 31st December, 1897	...	...	...	...	226
Area of same	...	...	...	...	3,419 acres.
Residence Areas	...	...	...	...	117
Quartz Claims	...	...	...	...	5
Water Rights	...	...	...	...	5
Alluvial Claims	...	...	...	...	3
Tailings Areas	...	...	...	...	3
Machine Areas	...	...	...	...	2
Business Areas	...	...	...	...	2

(b.) *Licenses, &c., issued:*

Miner's Rights	...	...	...	...	1,591
Business Licenses	...	...	...	...	35
Mining Licenses	...	...	...	...	7

(c.) *Dealings:*

Applications for Gold Mining Leases	...	...	...	...	59
Applications for Mineral Leases	...	...	...	...	2
Transfers (Lease)	...	...	...	...	47
Transfers (Areas)	...	...	...	...	66
Caveats	...	...	...	...	9
Powers of Attorney	...	...	...	...	32
Liens	...	...	...	...	3

(d.) *Gold Mining:*

Tons of Ore crushed	...	...	...	...	20,846 tons 6 cwt.
Gold Yield from same	...	...	...	...	19,787ozs. 3dwts. 19grs.
Alluvial Gold obtained (estimated)	...	...	...	...	11,822ozs. 4dwts. 11grs.
Number of Batteries	...	...	...	...	11
Number of Stamps	...	...	...	...	131
Other Mills	...	...	...	...	1 Griffin
Cyanide Plants	...	...	...	...	none
Stamps in course of erection	...	...	...	...	30

The most important event of the year, and one which will probably mark a noteworthy era in the history of this Colony's gold mining, was the discovery of a deep lead of alluvial gold by Messrs. George Sim and Arthur W. Gresson. The results of this discovery have been most beneficial to the district; but the particulars come more properly within the scope of my next report.

I regret to say that a most serious decline has occurred in quartz reef and lode mining, which has resulted in the collapse of the outlying mining centres of Gordon, Mulgarrie, and, partially, of Hayes' New Find.

A Government dam, with a capacity of 3,000,000 gallons, has been constructed South of the town at a cost of, I am informed, £14,000, and from this dam the Public Works Department has had a new road surveyed to Kurnalpi.

Another important work is the extension of the railway system from Kalgoorlie. The contractors laid the rails down towards the end of the year, and at once inaugurated a profitable passenger and freight traffic, although the line was not yet completed, nor were the buildings in connection with it yet erected.

A substantial Court House of local stone has also been erected, together with the necessary offices for the transaction of Mines, Law, Lands, and Treasury business, and quarters have been supplied for the Warden on a good site.

BULONG DISTRICT.

(a.) *Authorised Holdings, &c.:*

Number of Leases in force on 31st December, 1897	...	...	...	144
Area of same	...	...	...	3,250 acres
Residence Areas registered	...	...	...	97
Water Rights	...	...	...	11
Business Areas	...	...	...	10

(b.) *Licenses, &c., issued:*

Miner's Rights	...	...	...	239
Business Licenses	...	...	...	5

(c.) *Dealings:*

Applications for Gold Mining Leases	...	...	...	57
Area of same	...	...	...	1,115 acres.
Transfers (Lease)	...	...	...	63
Transfers (Areas)	...	...	...	25
Caveats	...	...	...	25
Liens	...	...	...	5

(d.) *Gold Mining:*

Yield of Gold from crushings	...	...	...	8,869ozs. 3dwts.
„ „ „ (Alluvial)	...	...	...	1,260ozs.
Number of Batteries	...	...	...	5
„ „ Stamps	...	...	...	65

The Bulong Mining, Tramway, and Ore Reduction Company opened their works during the year. These consist of a 20-head stamper battery, connected with the mining centre by a tram-line five miles in length, and having a rolling stock of 48 trucks and an engine. It is stated that this Company has expended £70,000 in the district, and it is to be regretted that the works soon came to a standstill.

The Goldfields Water Supply also started to supply water to the mines and to the town of Bulong. Their supply was derived from Lake Yindarlgooda, four miles distant, on the margin of which a pumping plant has been erected, by means of which the water is forced through pipes to Mt. Stuart, from which point it is again conveyed by pipes to the town and mines. The plant is capable of supplying 500,000 gallons daily, and it cost £10,000. Unfortunately the present demand is not great enough to make the venture a profitable one. A very good dam, with a capacity of about 3,000,000 gallons, has also been constructed by the Government about a mile from the town. This work gave employment to about 90 men during the greater portion of the year.

A court house and comfortable offices and quarters have been erected, and a Warden's and Local Court established, and a commodious and well appointed Miner's Institute has been provided. Other public buildings are the Post Office, the Hospital, and the Police Station and Quarters. It is believed that a deep lead of alluvial gold has been discovered; but the great depth of sinking, about 110 feet, has retarded development, and the value of the find has not yet been proved.

KURNALPI DISTRICT.

(a.) *Authorised Holdings, &c.:*

Number of Gold Mining Leases in force	...	...	...	101
Acreage of same	...	...	...	1,655
Water Rights	...	...	...	8
Residence Areas registered	...	...	...	1
Prospecting Areas	...	...	...	1

(b.) *Gold Mining:*

Yield of Gold from Ore crushed	...	...	...	201ozs. 8dwts. 12grs.
Yield of Alluvial Gold	...	...	...	1,000ozs.
Number of Batteries	...	...	...	8
Other Mills	...	...	...	<i>Nil</i>
Population (approximate)	...	...	...	400

Two alluvial patches were discovered at the Jubilee rush and Nulgabbie.

The former was worked for about six months, and good gold was obtained by some 70 men, but the exact quantity is not known. This place is about 13 miles West of Kurnalpi. Nulgabbie is about 37 miles North-East, and about 150 men have been engaged in prospecting there, and it is known that a few hundred ounces of gold have been obtained, but the true value of the discovery is not yet known.

My remarks regarding the decline of the reefing interests in the Kanowna District also apply to the centres of Balaguindi, Taurus and Mt. Monger, in the Bulong District, and, in a lesser degree, to Kurnalpi, and in most instances the ground has been held by English or colonial companies or syndicates, whose shareholders have tired of subscribing the money required for development work. Extravagance and wild speculation have, no doubt, had much to do with bringing about the present stagnant condition of this branch of the mining industry.

P. TROY, Warden.

15th June, 1898.

NORTH-EAST COOLGARDIE GOLDFIELD, W.A.

Return showing the number of Leases, Mines, Batteries, Crushing Machines, and Miners' Rights, with the total quantity of Gold produced, and other data, for the year ending 31st December, 1897.

	Names of places which contain Warden's or Registrar's Office.		
	Kanowna.	Bulong.	Kurnalpi.
Total Gold yield for year ending 31st December, 1897...	ozs. dwts. grs. 31,609 8 6	oz. dwts. grs. 10,130 0 0	ozs. dwts. grs. 201 8 12
Number of Leases applied for	59 G.M. Leases 2 Ml. Leases	57	39
Area of Leases applied for	857 acres	1,115 acres	269 acres
Number of Residence Areas	117	97	6
Do. Business do.	2	10	1
Do. Machine do.	2	4	Nil
Do. Tailings do.	3	2	Nil
Do. Market Garden Areas	Nil	Nil	Nil
Do. Quartz Claims	5	3	Nil
Do. Alluvial do.	3	Nil	4
Do. Tunnelling Claims	Nil	Nil	Nil
Do. Puddling do.	Nil	Nil	Nil
Do. Water Rights	5	11	4
Do. Miners' do.	1,591	239	155
Approximate number of miners in quartz or other rock	735	800	120
Approximate number of miners in alluvial	3,000	400	100
Number of batteries	11	5	2
Do. heads of stamps	131	65	8
Number and description of other ore-crushing mills	1 Griffin Mill	Nil	Nil
Do. of cyanide plants	Nil	Nil	Nil
State if water for boilers and gold-saving is plentiful	Yes	Fairly	Yes
State average depth at which it is obtainable by sinking, and if such water is salt or fresh	120' to 190' salt	230' salt	(120' to 150' salt and fresh)
Average annual rainfall	6.37 inches	4 inches	4 to 5 inches
Rate of wages—Enginemmen and mechanics	£4 10s. to £5 10s.	£5	£5
Do. Clerks	£4	£4	£4
Do. Miners	£3 10s. to £4 10s.	£4	£4
Do. Labourers	£3 to £3 10s.	£3 10s.	£3 10s.

Warden's Report on the Broad Arrow Goldfield for 1897.

SIR,

Broad Arrow, February 10th, 1898.

I beg to submit, for your information, the following report on the Broad Arrow Goldfield for 1897.

This goldfield was separated from the North-East Coolgardie field in November, 1896, at which date I took charge of it.

The year 1897 opened somewhat brightly for the field, numerous mines were being worked, the building trade was very brisk in the different townsites, and great hopes were entertained that the field would become one of the most important in this locality. I am sorry to say that so far these hopes have not been borne out, as a period of depression set in about the end of the first quarter, and there has not as yet been much of a revival.

The chief cause of the depression was the loss of confidence by the British public in West Australian ventures generally, outside of the neighbourhood of Kalgoorlie, which caused a great lack of the necessary funds for the development of the mines. Also, until the opening of the railway towards the end of the year, the district was handicapped by heavy cartage rates.

In spite of the dark outlook some twenty properties in the district have been worked constantly all through the year, which shows that the owners are tolerably confident of their ultimate success. There are also a large number of undoubtedly good properties, which after having worked for a good part of the year, have had to obtain exemption on account of the difficulty in getting in calls. Lately, however, a better feeling of security seems to have been established, and applications for exemption are comparatively rare.

During the past year a number of new batteries, equal to 70 head of stamps, have been opened, and 60 head more are in course of erection. Several of these batteries, notably those at the Hill End and Lady Bountiful mines, are now turning out good results, and I hope before long to see a decided revival in the prospects of the district generally.

Until August last the amount of gold procured from this field was included in the North-East Coolgardie returns, but since that date our returns have been published separately, and though at the first glance they do not seem to be encouraging on account of the low average, a closer inspection will reveal the fact that this is due to the excessively small returns from the Black Flag Proprietary Mine, which with its 50 head of stamps puts through about half of the stone crushed, and as the average results for the 12 months were only 6dwts. 10grs. per ton, they have the effect of considerably reducing the general average of the district. The Black Flag Proprietary battery has now shut down, though the mine is still being worked.

Tellurides have been discovered in the Credo and Lady Bountiful Mines, and from the former some beautifully rich specimens of telluride and gold, mixed, have been produced. The presence of tellurides here should help to re-establish confidence in the field.

Fresh water has been struck at the Credo, near Broad Arrow, The Lady Bountiful, near Black Flag, and the Wycheproof, near Bardoc. The supply is not large as yet in any case, but it demonstrates the existence of fresh water in the district.

The want of sufficient water for crushing is a serious drawback to the field. Several batteries, which would run full time, are unable to do so for want of water, notably the Hill and Golden Arrow at Broad Arrow, and the Excelsior at Bardoc.

The crushing machinery at present on the field consists of 12-stamp batteries erected at the following properties, viz. :—

Golden Arrow	...	...	...	...	...	10-head
Arrow Proprietary	...	...	...	...	...	10 "
Black Flag Proprietary	...	...	...	...	...	50 "
Nerrin Nerrin	...	...	...	...	...	10 "
Royal Standard	...	...	...	...	...	10 "
Excelsior	...	...	...	...	...	5 "
Crown United	...	...	...	...	...	10 "
Lady Bountiful	...	...	...	...	...	10 "
Black Flag Consols	...	...	...	...	...	10 "
Half-Mile Reef	...	...	...	...	...	10 "
Railway	...	...	...	...	...	10 "
Pakeha	...	...	...	...	...	3 "

There is a Ball Mill at Hill End equal to 10-head, making a total of 158 stamps. In addition there are now being erected at the Try It mine 20-head, at the King of the West 20-head, and an additional 20-head at the Golden Arrow. With all these facilities for crushing, the returns of gold from the district should increase considerably during this year.

On most properties hand-hauling from the mines has been discontinued, and the hauling is done with steam machinery.

The total amount of stone crushed during the year, as per the official returns, is 19,106 tons 12cwts. for a yield of 14,168oz. 8dwts. 7grs. Of this amount 9,955 tons was crushed by the Black Flag Proprietary Co., for a yield of 3,208ozs. A considerable quantity of alluvial gold was obtained, but it is impossible to estimate the amount.

The general health of the goldfield has been good. There are hospitals, supported chiefly by Government subsidy and grant, at the three principal centres, Broad Arrow, Black Flag, and Bardoc.

The estimated population of the goldfield during the last quarter is as follows:—At Broad Arrow 616, at Bardoc 206, at Black Flag 313, at Paddington, 258, at Windanya 115, and at other places 242 making a total of 1,750. Of this number about 750 were miners working on the various leases.

During the year Paddington and Windanya were declared townships, and Broad Arrow became a municipality.

The revenue received for the year is as follows:—

	£	s.	d.
Mines office	4,945	2	0
Survey fees	522	8	0
Exemption fees	1,293	19	0
Total	£6,761	9	0
Water receipts	886	19	9
Internal revenue (licenses)	1,145	10	0
Fines and fees	65	3	9
Local Court fees	148	19	2
Sundries	23	13	0
Total internal revenue	1,383	5	11
Stamps	160	7	10
Land revenue	1,176	16	0
Timber licenses	86	10	0
Grand total	£10,455	8	3

The chief statistics not already dealt with are:—Leases in force at the end of the year 340, representing an area of 4,840 acres. Of these, 70 leases were applied for during the year, 17 of them being for new ground. The mineral leases were taken up to secure quarries for building stone. There were also granted 12 water rights area 39 acres; 3 tailing areas, 1 machine area, 83 residence areas, and 27 business areas; 755 miners' rights and 48 business licenses were issued, 38 caveats, 26 powers of attorney and 15 transfers of leases were registered, 269 Warden's Court complaints, 183 Local Court and 131 Police Court cases were dealt with, and 520 applications for exemption were heard.

I have, etc.,

LIONEL R. DAVIS,
Warden.

Warden's Report on North Coolgardie Goldfield for 1897.

SIR,

I have the honour to submit the following report for the information of the Hon. the Minister for Mines on the North Coolgardie Goldfield during the year 1897:—

AREA UNDER REVIEW AND DIVISION OF OLD GOLDFIELD.

1. In comparing this report with that for 1896, it must be borne in mind that the original North Coolgardie Field has been considerably reduced in area by deducting from it the Mount Margaret Goldfield, which was declared on 1st April, 1897.

The area, therefore, now under review, comprises 33,000 square miles, as against 52,000 square miles in 1896. Table A shows the areas of the subdivision and various districts.

This division has deprived this field of many important centres, such as Mount Malcolm, Mount Leonora, Mount Margaret, Princess Alix, Redcastle, etc., all of which are now included in the Mount Margaret Goldfield.

POPULATION AND NUMBER OF TOWNS INCLUDED IN THIS GOLDFIELD.

2. The total population is 5,566 souls, being a decrease of about 4,000 on the estimated number last year; but as the previous figures could only be approximately obtained a correct comparison cannot be made.

No new towns have been founded since my last report, the nine still in existence, viz., Menzies, Goongarrie, Mulline, Callion, Wansborough (Mount Ida), Niagara, Tampa, Yerilla, and Linden (lat Griffithston) are shown by an asterisk in Table B.

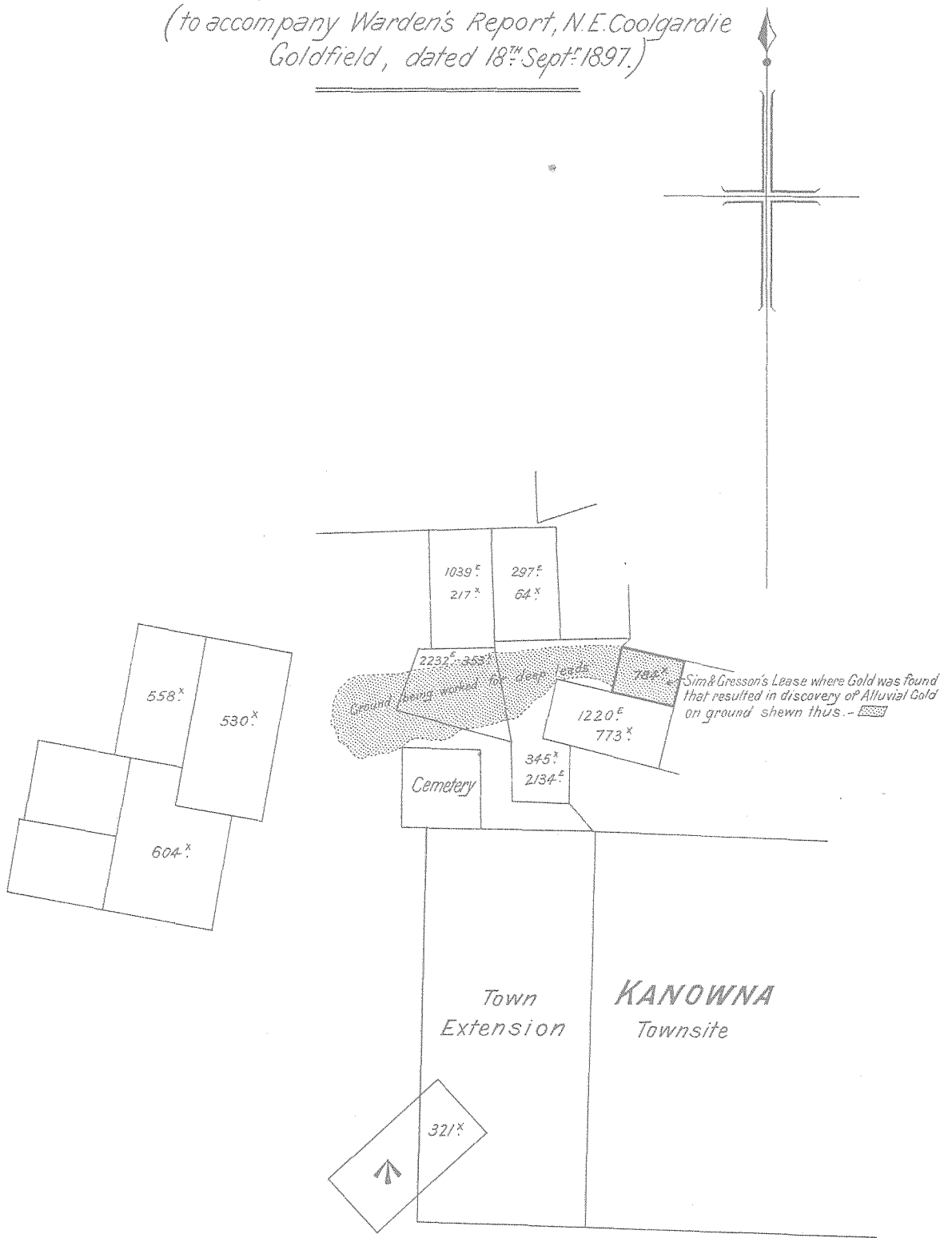
NUMBER OF GOLD MINING LEASES TAKEN UP DURING THE YEAR.

3. It will be observed from a perusal of Table C that there is a decrease of 472 applications for leases as against the number applied for in 1896. Though this falling off is to be deplored, it is accounted for by the field having been split up, reducing the area by 19,000 square miles, and severing large important auriferous tracts of country (enumerated in paragraph No. 1) from this field. Beside this, much less prospecting has been done, prospectors having taken up leases and are working them in a *bonâ fide* manner instead of holding for speculative purposes as heretofore.

— SKETCH —

Shewing Ground Pegged for Alluvial

(to accompany Warden's Report, N.E. Coolgardie Goldfield, dated 18th Sept^r 1897.)



NEW FINDS.

4. No new finds of any importance have been made during the year. There have, however, been small alluvial patches discovered near Niagara and Menzies, but they have only been of limited extent, and soon worked out. At Yerilla a new line of reef was found last August near Mount Catherine, but most of the leases then taken up have since been abandoned.

MACHINERY ON THE FIELD AND PUBLIC CRUSHINGS.

5. Table D shows the machinery now on this field, and indicates a marked increase over last year. Stamps have multiplied from 65 to 200, besides three Huntingdon mills, while rock drills, air compressors, and a cyanide plant are all new since I last reported. A considerable amount of progress has been made during the year, and some of the companies have been enabled to crush trial lots for leaseholders who have not yet erected plants of their own. This supplies a long felt want, and when the public batteries are erected at the various centres they will prove an incalculable benefit.

In addition to the batteries and plants already shown in Table D, 30 head of stamps are now being erected at the Cosmopolitan leases, six miles from Niagara, a 10-head battery at Mount Catherine, near Yerilla, 5-head battery on Westward Ho, Yerilla, and 20 head at the Menzies Mining and Exploration Company's properties at Menzies, besides a large cyanide plant at the Friday battery, Menzies, all of which will be working very shortly.

GOLD YIELD.

6. The gold yield (Table E) shows a great improvement, the output for the year being 62,142ozs. 15dwts. 23grs. of gold from 32,728 tons of stone crushed, giving an average of 1oz. 17dwts. 23grs. per ton, as against 9,471 tons crushed in the previous year, yielding 20,181ozs. 4dwts. 16grs., or an average of 2ozs. 2dwts. 14grs. per ton. In addition to this 134ozs. 19dwts. of gold has been obtained by dollying, making a sum total of 62,277ozs. 14dwts. 23grs. Considering that nearly four times as much stone was treated this year as last, the average, though lower, may be taken as most satisfactory, and proves this to be a permanent and payable field. Two at least of the Menzies mines are paying regular dividends, viz., the Lady Shenton and Queensland Menzies, and more will be added to this list after the railway reaches here. The amount of alluvial gold obtained however is only small, there being only a few scattered dry-blowers around Menzies, Niagara, and Mount Ida.

WATER SUPPLY AND RAINFALL.

7. The Picton Valley, $2\frac{1}{2}$ miles East of Menzies, still produces a plentiful supply of good pure water for domestic purposes, but I regret that many wells are showing signs of drying up, proving that it is only soakage and not spring water; after rains, however, these will be replenished. A tank of 3,000,000 gallons capacity, and lined with cement concrete, has just been completed at the South of the town, and after rain will prove a valuable standby. It is estimated that 270 points of rain will fill this. The Menzies Waterworks Company still continue to supply the batteries with salt water from Lake Barlee, seven miles North of the township; but they have had considerable difficulty in keeping up the supply owing to the dry season, and after prolonged drought the water becomes so dense (often containing 30% of solids) that much gold is lost in the tailings.

In the outlying districts of Yerilla, Niagara, and Mount Ida the supply from wells, producing mostly fresh water, is very good; but at Mulline and Callion the supply is scarce, not for domestic but for crushing purposes. Table F shows the various depths and quality of water obtainable in the various districts.

The rainfall registered at Menzies Post Office for the year was 4.56in., the wettest month being June, when $2\frac{1}{2}$ in. fell.

ACCIDENTS AND APPOINTMENT OF INSPECTOR OF MINES.

8. I am pleased to be able to bring under your notice Table G, which shows that only five accidents occurred during the year, but sorry to say that one proved fatal, the others, however, were comparatively trifling. An Inspector of Mines was appointed for this field last May and has proved, and still is, of great service.

STATISTICS OF BUSINESS DONE.

9. The chief statistics of business done in the Warden's office are given in Table H. There has been a decrease of issues of 876 Miners' Rights, 221 Business Licenses, 206 Residence Areas, 136 Business Areas, 5 Machine Areas, 2 Tailings Areas, 8 Storm Water Rights, 374 Transfers of Leases, 75 Applications for exemption, 121 Powers of Attorney, 138 Caveats, 472 issues of Gold Mining Leases, and 9 Prospecting Areas, but the acreage in proportion is larger. The same note also applies to the falling off in number of 38 Water Rights; but the area is only $11\frac{1}{2}$ acres less than for the year 1896. The only increases are Transfers of areas 299, and objections to leases 16. The decreases in Business and Residence Areas and Miners' Rights is largely accounted for by the townships being gazetted so soon after being founded, and the increased area of the Menzies township, as well as the splitting up of this field. This, however, is not actual loss of revenue, as it is made up in other ways. The falling off in other business is due to the withdrawal of foreign capital, but with the advent of the railway which is now nearly here business will look up considerably.

REVENUE.

10. Though the foregoing paragraph shows a large decrease in mining business the Internal Revenue shown in Table I, points to an increase of £1,712 19s. 6d. The total revenue, however, is £19,400 4s. less than the previous year. Now that this field has assumed a permanent and steady character many

sources of revenue are diverted from the Mines Department (as is the case with all the older fields), to others such as Lands and Customs, hence this falling off, the severing of the centres enumerated in paragraph 1 being the cause of the greater part of this decrease.

WARDEN'S HEAD-QUARTERS AND OFFICES.

11. The Warden's head-quarters are at Menzies, as are also the principal offices for the transaction of Government business for the whole of the Goldfield. There are two outlying Registrars' offices: one at Yerilla, established August, 1896, and one at Niagara, which was opened in June, 1897. Monthly Warden's Courts are held at these places.

CASES DEALT WITH IN WARDEN'S AND OTHER COURTS.

12. Table J shows the number of cases heard in the Warden's and other Courts. Though times generally have been duller than the previous year, litigation has however increased by 162 cases over those adjudicated upon in 1896. The figures quoted in the table include Warden's, Police, and Local Court cases.

RULING RATE OF WAGES.

13. The ruling rate of wages on this field is shown in Table K. Miners from £4 to £4 5s. per week, labourers £3 6s., and artisans and others according to the table referred to.

HEALTH OF DISTRICT.

14. The health of the district has considerably improved, there being very little fever, and much less sickness than formerly. This improvement is due in a great measure to the establishment of proper sanitary systems by the various Health Boards.

PUBLIC FACILITIES AND IMPROVEMENTS.

15. Telegraph lines have been completed to Niagara, Yerilla, Mount Margaret, Mount Malcolm, Mount Leonora, and Lawlers. Direct roads have also been cleared to all these places except Lawlers, and that will soon be commenced. Wells have also been sunk and soaks cleaned out, and placed in charge of caretakers; but the road to Mount Ida (Wansborough) still requires more of these facilities. The railway is now within 30 miles of Menzies and should reach here this month (February). It is already having a beneficial effect, and trade is improving. There is no doubt when it does reach here it will cheapen living considerably, also mining timber and machinery, and stimulate the erection of more plants, besides inducing more people not only to visit but to settle in the district.

Many of the abandoned mines will be re-worked, while several others which are struggling on will be enabled to pay dividends when this much desired means of communication is attained.

There is a marked improvement in all towns on this field, but more particularly in Menzies, where wood and iron structures are being replaced by stone and brick. In Shenton Street the Bank of Australasia has built very commodious and ornamental stone premises, as has also the Western Australian Bank. There is also the Grand Hotel, which is a two-storied brick structure, giving to the town the appearance of permanency. All the principal streets, too, have been macadamised, and the town boundaries have been extended so as to include the residence areas, and now comprises something like 1,360 acres. In the outlying towns more permanent buildings are replacing those first built, and footpaths and streets have been formed, while Local Boards of Health have been established enforcing a proper system of sanitation.

MAGISTRATES AND POLICE.

16. Several new Justices have been appointed during the year, but many have left, causing vacancies at Mulline, Callion, and Goongarrie. I also think it would be a great benefit to have police stationed at Callion to patrol Mulline.

GENERALLY.

17. Considering the withdrawal of foreign capital and consequent "slump" therefrom, this field may be congratulated on the marked improvement all round. A very pleasing feature is the satisfactory manner the mines are opening up at a depth. The deepest shaft is over 400ft., the developments inducing the owners to continue sinking, which speaks volumes. The deeper levels show more settled country and better defined reefs, all tending to show the permanency of this district. I know of another company who are prepared to sink over 600ft. before they expect to get the reef, and this is a good sign as showing the faith established in the field.

Trade, too, has suffered very much, but with the new loan having been so successfully floated, and the public facilities afforded, such as roads, railways, telegraphs, etc., and the gold returns maintaining their average so well, it is only reasonable to anticipate that the present year will be a prosperous one for all.

The greatest drawback to this field is the water question, and it is hoped that the Coolgardie scheme will ere long be extended to here. The railway will do great things, but, until a plentiful and permanent supply of water is assured, this field will labour under a great disadvantage.

I am, etc.,

W. LAMB DEN OWEN,
Warden, North Coolgardie Goldfield.

Menzies, 25th February, 1898.

TABLE A.

Showing Area of Various Districts in North Coolgardie.

District.	Area in Square Miles.	Remarks.
Niagara	771	} The work of these two districts is all carried out at the Menzies Office.
Yerilla	16,747	
Menzies	3,203	
Ularring	12,500	
Total	33,221	

TABLE B.

Showing the Population of the various Centres and the Gross Population of the surrounding district of Menzies.

Centre.	District.	Males.	Females.	Total.
* Menzies, 4 mile radius ...	Menzies	4,000	500	4,500
* Goongarrie and Comet Vale	Do.	100	30	130
* Mulline, 4 mile radius ...	Do.	48	...	48
Ularring, 5 mile radius ...	Do.	21	2	23
* Callion, 4 mile radius ...	Do.	61	10	71
Mount Higgins	Do.	12	1	13
* Mount Ida (Wansborough)	Do.	47	4	51
* Niagara	Niagara	175	25	200
* Tampa	Do.	135	15	150
Hall's	Do.	75	5	80
* Yerilla	Yerilla	70	6	76
Mount Catherine	Do.	28	2	30
Mount Remarkable	Do.	3	1	4
Pyke's Hollow	Pendinnie... ..	30	1	31
Pennyweight Point	Do.	10	6	16
Eucalyptus	Do.	49	1	50
Pendinnie Soak	Do.	2	...	2
* Griffithston (Linden) ...	Lake Carey	6	...	6
Blair Athol	Do.	66	4	70
Penguin	Edjudina	10	...	10
Quandong	Do.	5	...	5
		4,953	613	5,566

* Declared Townsites.

TABLE C.

Showing the Number and Area of the Leases applied for during the year 1897 as against 1896 at Menzies, Niagara, and Yerilla.

1896.			1897.		
Place.	Applications.	Area in acres.	Place.	Applications.	Area in acres.
Menzies	422	7,408	Menzies	64	922
Niagara	121	1,914	Niagara	21	300
Yerilla ...	49	822	Yerilla	35	574
Total ...	592	10,144	Total ...	120	1,796

NOTE.—A decrease of 472 applications for 1897.

TABLE D.

MACHINERY.

Mining Machinery on North Coolgardie Field on 31st December, 1897.

19 Batteries, totalling 200 head of stamps—

Engines	...	...	...	...	...	53
Pumps	...	...	...	...	...	19
Oil Engines	...	...	...	...	...	7

Huntingdon Mills, 3—

Boilers	...	...	...	...	...	58
Stone Breakers	...	...	...	...	...	9
Rock Drills	...	...	...	...	...	9
Air Compressors	...	...	...	...	...	2
Bedan Pans	...	...	...	...	...	21

Four other batteries, totalling 65 head of stamps, now in course of erection.

TABLE E.

Total number of Stamps, tons of Ore crushed, and yield of Gold for 1896 and 1897, North Coolgardie.

District.	No. of Stamps.		Tons treated.		Yield.		Average per ton.	
	1896.	1897.	1896.	1897.	1896.	1897.	1896.	1897.
Goongarrie and Menzies	65	2 Huntingdon Mills, 155	9,471	30,575 $\frac{1}{2}$	ozs. dwts. grs. 20,181 4 16	ozs. dwts. grs. 58,820 6 5	ozs. dwts. grs. 2 2 14	ozs. dwts. grs. 1 18 11
Ularring	Nil	20	...	235 $\frac{1}{20}$	...	644 9 15	...	2 14 20
Niagara	Nil	13	...	389 $\frac{1}{20}$	...	535 17 8	...	1 7 10
Yerilla	Nil	12 & 1 Huntingdon Mill	...	1,528 $\frac{1}{2}$	...	2,142 2 19	...	1 8 0
	65	200 & 3 Huntingdon Mill	9,471	32,727 $\frac{1}{2}$	20,181 4 16	62,142 15 23	2 2 14	1 17 23

1896—9,471 tons crushed for 20,181ozs. 4dwts. 16grs. Average 2ozs. 2dwts. 14grs.

1897—32,727 $\frac{1}{2}$ tons crushed for 62,142ozs. 15dwts. 23grs. Average 1oz. 17dwts. 23grs.

TABLE E—continued.

Showing the number of Heads of Stamps working, and quantity of Stone crushed, and amount of Gold won during 1897, as against 1896.

Name of Mine.	No. of Stamps.		Tons Treated.		Yield.		Average per Ton.		Remarks.	
	1896.	1897.	1896.	1897.	1896.	1897.	1896.	1897.		
MENZIES AND GOONGARRIE.										
					oz.	dwt. grs.	oz.	dwt. grs.	oz.	dwt. grs.
Lady Shenton	10	10	1,749	4,832	7,078	0 0	17,262	0 0	4 0 22	3 11 10
Florence	10	10	300	Nil	449	13 0	Nil		1 9 23	Nil
Friday	20	20	2,272	2,531	3,696	0 0	3,677	15 6	1 12 12	1 9 1
Crusoe	10	10	3,244	4,199	6,960	0 0	6,471	18 0	2 2 21	1 10 19
Queensland Menzies	10	10	41	3,980	310	13 12	15,831	3 6	7 11 13	3 9 13
Gold Estates	10	10	460	460	179	9 10				0 7 19
Menzies Consolidated	20	20	6,395	6,395			6,404	7 16		1 0 0
Maori	5	5	240	75	468	0 0	111	14 8	1 19 0	1 9 19
Menzies Mining and Exploration Corporation, Ltd.	2	2	Huntingdon Mills	396	855		816	15 6	0 14 20	0 19 2
90-Mile Proprietary, Ltd.	20	20		1,135			540	18 12		0 9 12
Hick's Gold Mine, Ltd.	10	10		951			1,033	4 12		1 1 17
Goongarrie Goldfields, Ltd.	20	20	1,229	2,031	925	0 0	1,175	0 0	0 15 2	0 11 1
Ikey Mo	5	5		5			5	0 0		1 0 0
Lady Sherry				299			576	17 0		1 18 14
Alpha Leases				427			1,364	9 16		3 3 21
Menzies Kensington				1,051			1,013	0 18		0 19 6
Craig-y-nos				92½			63	2 3		0 13 0
Daisy Bell				29			32	5 0		1 2 0
Kensington Sunday Gift				12			21	8 0		1 15 0
Lady Main				95			134	10 0		1 8 0
Great Klondyke				16½			44	2 0		2 12 0
Barunga Brave				5			9	4 18		1 16 0
Goodenough				125			124	11 0		0 19 11
Menzies Pioneers, Limited				374			467	11 19		1 5 0
Gem Extended				26			14	0 0		0 10 18
Star of Goongarrie				14			24	0 0		1 14 0
Goongarrie Consolidated				5			5	0 0		1 0 0
Consuello				6			4	5 0		0 14 4
Gold Development				86			84	9 0		0 19 15
Breach of Promise (Prospecting Area)				18			10	15 8		0 11 23
Lady Margaret				72 ⁵ / ₁₆			53	3 0		0 14 18
Crown Cross				11			11	4 0		1 0 8
Lady Mary				14			1	9 0		0 2 1
Resurrection				5			6	3 12		1 4 16
Wallaroo Menzies	5	5		12			2	17 20		0 4 19
Golden Age				245			1,181	10 9		4 16 8
Duke of York				10			11	10 0		1 3 0
Lady Goldina				10			6	10 15		0 13 1½
McClay's Welcome				65			43	0 7		0 13 5
	65	155	9,471	30,575½	20,181	4 16	58,820	6 5	2 2 14	1 18 11

TABLE E—continued.

Showing the number of Heads of Stamps working, and quantity of Stone crushed, and amount of Gold won—continued.

Name of Mine.	No. of Stamps.		Tons Treated.		Yield.		Average per Ton.		Remarks.
	1896.	1897.	1896.	1897.	1896.	1897.	1896.	1897.	
ULARRING.									
British Lion ... ..	...	...	...	6 $\frac{1}{2}$	...	9 5 0	...	1 7 5	Crushed at Friday.
Golden Wonder ... ..	...	...	...	73	...	128 9 10	...	1 15 4	Crushed at Queensland Menzies Battery.
Mount Higgins ... ..	...	...	...	73	...	121 1 12	...	1 13 4	
Oakley ... ..	...	...	...	10	...	44 9 0	...	4 8 21	
Lady Kate ... ..	...	...	...	17 $\frac{7}{10}$	...	196 6 2	...	11 1 17	
Golden Vale ... ..	...	...	...	...	...	74 19 0 ^c	...	...	*Dollied gold.
Lady Dorothy ... ..	...	...	...	$\frac{1}{2}$	...	2 5 0	...	4 10 0	
New Enterprise ... ..	...	...	...	3	...	25 0 0	...	8 7 0	
Gold Standard ... ..	...	...	...	26	...	42 16 15	...	1 12 19	Crushed at Friday.
Albury ... ..	...	...	...	25	...	66 18 0	...	2 13 2	Crushed at Friday.
Welcome Stranger ... ..	...	...	...	$\frac{1}{20}$	...	8 0 0	...	160 0 0	
				235 $\frac{1}{20}$	...	719 8 15	...	3 1 5	
Moant Callion ... ..	...	20	...	...	...	...	...	...	Not having sufficient water to work.
		20	...	235 $\frac{1}{20}$	...	719 8 15	...	...
					Less dollied gold ...	74 19 0 ^c	...	...	Impossible to obtain tonnage of stone dollied.
		20	...	235 $\frac{1}{20}$	...	644 9 15	...	2 14 20	
NIAGARA.									
Mignonette	Nil	10	...	130	...	131 0 0	...	1 0 4	
Golden Treasure	"	3	...	97	...	185 14 3	...	1 18 7	
Warrannie	"	Nil	...	12 $\frac{1}{2}$	...	56 7 12	...	4 10 5	7 tons crushed at Friday.
McTavish	"	"	...	20	...	43 0 0	...	2 3 0	Crushed at Friday.
Trilby	"	"	...	11 $\frac{17}{20}$	...	12 4 0	...	1 0 14	
Gladstone	"	"	...	11	...	14 17 0	...	1 7 0	
Pine Lodge	"	"	...	12 $\frac{1}{2}$	...	15 8 6	...	1 5 6	Crushed at Queensland Menzies Battery.
Desdemona	"	"	...	7	...	6 0 0	...	0 17 3	
Spinaway	"	"	...	12	...	5 11 0	...	0 9 6	
Gillmore	"	"	...	53	...	25 10 11	...	0 9 15	Crushed at Friday.
London	"	"	...	4 $\frac{1}{2}$	...	13 5 0	...	2 18 21	Crushed at Friday.
Commonwealth	"	"	...	18	...	27 0 0	...	1 10 0	
	Nil	13	...	389 $\frac{1}{20}$	...	535 17 8	...	1 7 10	

YERILLA.

			oz. dwts. grs.		oz. dwts. grs.		oz. dwts. grs.
Mount Remarkable ...	...	3	22 0 0	...	11 17 20	...	0 10 19
Lady Gertrude South ...	...	...	9 0 0	...	3 3 0	...	0 7 0
Queen of the Earth ...	...	...	51 3 1	...	309 6 18	...	6 2 0
Young New Zealander ...	...	1 Huntingdon Mill	459 0 0	...	560 6 23	...	1 4 9
Mount Wilgress...	...	...	9 0 0	...	7 10 0	...	0 16 16
Lady Byron ...	...	3	...	...	...	...	...
True Bluejacket...	...	...	12 0 0	...	18 12 0	...	1 11 0
Durham ...	...	...	126 10 0	...	98 17 6	...	0 14 6
The Washington ...	...	...	10 0 0	...	27 12 12	...	2 15 6
Golden Ridge ...	...	...	...	...	...	...	...
Portsea ...	...	6	552 0 0	...	810 15 0	...	1 9 18
Lady Edith ...	...	...	...	...	...	...	...
Black Gin ...	...	...	16 0 0	...	15 11 0	...	0 19 10
Jubilee ...	...	...	14 15 0	...	6 1 0	...	0 8 5
Lady Florence ...	...	...	43 0 0	...	16 9 12	...	0 7 15
Wimmera...	...	...	22 0 0	...	56 12 0	...	2 1 15
The Governor ...	...	...	28 0 0	...	23 10 0	...	0 16 18
Burgess' Luck ...	...	...	...	...	60 0 0*	...	...
The Bonanza ...	...	...	5 0 0	...	17 14 0	...	3 10 0
Golden Grove ...	...	...	10 15 0	...	3 17 0	...	0 7 4
La Tosca...	...	...	16 0 0	...	15 4 0	...	0 19 0
Golden Star ...	...	...	45 0 0	...	28 0 0	...	0 12 10
Crushed Tragodian ...	...	...	19 10 0	...	32 7 0	...	1 13 4
Baby Gertrude ...	...	...	58 0 0	...	138 16 0	...	2 7 20
		12			2,202 2 19		1 8 19
	1 Huntingdon Mill	...	1,528 13 1	Less dollied gold	60 0 0*		
					2,142 2 19		1 8 0

* Dollied.

TABLE F.

Table showing at what depth water is struck in the North Coolgardie Goldfield.

Centre.	Depth.	Remarks.
Lake Carey	20ft. to 70ft. ...	Very salt. Freshens with distance.
Eucalyptus	100ft. to 150ft. ...	Brackish and salt at a depth.
Pennyweight Point	90ft. to 120ft. ...	Brackish. Fresh in places.
Pyke's Hollow	100ft. to 150ft. ...	Brackish and salt at a depth.
Edjudina	100ft. to 150ft. ...	Brackish and salt at a depth.
Penguin		
Quondong		
Yerilla	100ft. to 140ft. ...	Fresh and brackish.
Mount Catherine	100ft. to 200ft. ...	Fresh and brackish.
Mount Remarkable	100ft. to 150ft. ...	Salt.
Niagara (proper)	130ft.	Fresh.
Tampa	85ft.	Fresh.
Menzies	100ft. to 150ft. ...	Fresh and brackish.
Ularring	130ft.	Fresh.
Mulline	150ft.	Fresh and salt.
Mount Ida	80ft. to 100ft. ...	Fresh.
Callion	230ft.	Small supply, salt.
Goongarrie	150ft.	Salt.

TABLE G.

Table showing the Number, Date, and Nature of Mining Accidents on the North Coolgardie Goldfield during 1897, with the name of the sufferer and other particulars:—

Accident No.	Date.	Name of Mine.	Name of Gold-field District.	Name of Sufferer.	Nature of Injuries.	Killed.	Injured.	Cause of Accident.
1	1-6-97	Lady Shenton	Menzies	John Kirkpatrick	Leg bruised	...	1	Caught between cage and side of shaft.
2	26-7-97	Goongarrie Goldfields	..	John Madden	Fractured skull, back and arms broken	1	...	Falling off skeleton cage whilst removing centres.
3	16-9-97	Royal Group	..	Wm. McGee	Bruised leg	...	1	Fall of hanging wall whilst timbering.
4	9-10-97	Lady Shenton	..	Cogan and Simmonds	Slightly cut and bruised	...	2	Fall of portion of hanging wall whilst timbering.
5	9-12-97	Lady Sherry	..	John McKeever	Cut on thigh and calf of leg	...	1	Drill falling from bucket.

NOTE.—Showing five accidents of which one was fatal.

TABLE H.

Showing the chief detailed Statistics of the business done at the Mining Registrar's offices at Menzies, Niagara, and Yerilla in 1897, as compared with 1896:—

Particulars.	1896.		1897.		Remarks.	
	No.	Area.	No.	Area.	Increase.	Decrease.
Miners' Rights	2,298	...	1,422	...	...	876
Business Licenses	323	...	102	...	...	221
Prospecting Areas	12	102	3	30	...	...
Residence Areas	277	69½	71	17¾	...	206
Business Areas	188	49½	52	20½	...	136
Machine Areas	5	23	...	...	...	5
Tailings Areas	2	10	...	...	...	2
Garden Areas	2	7	2	8	...	...
Water Rights, subterranean	71	301	33	289½	...	38, but acreage nearly the same.
Water Rights, storm	10	3,243	2	6	...	8
Transfer of Leases	515	...	141	...	...	374
Transfer of Areas	11	...	310	...	299	...
Exemption Applications	821	...	725	...	...	96
Protection Applications	45*	...	674	...	629	...
Powers of Attorney	185	...	64	...	...	121
Caveats	178	...	40	...	...	138
Gold Mining Leases... ..	592	10,144	120	1,796	...	472
Objections ... ..	...	...	16	...	16	...

* For last quarter of 1896 only.

TABLE I.

Return showing total amount of Revenue received during 1897 as compared with 1896 at Menzies, Niagara, and Yerilla.

Heading.	1896.			1897.					
	Amount.	Total.		Amount.	Total.				
Mines	<i>General</i> .—Menzies... ..	£	s.	d.	£	s.	d.		
		24,264	11	6	...	7,254	7	4	
		...	...	...	...	422	8	6
	Niagara*	...	...	...	...	...	...
	Yerilla	690	1	0	...	1,755	10	0	
	24,954	12	6	9,432	5	10
	<i>Exemptions</i> .—Menzies	1,345	8	0	...	1,765	6	0	
		...	...	...	...	62	11	0
		Yerilla	69	5	0	...	321	11	0
	1,414	13	0	2,149	8	0
<i>Surveys</i> .—Menzies	7,204	10	0	...	771	0	0		
	...	...	...	...	97	0	0	
	Yerilla	451	10	0	...	301	0	0	
...	...	...	7,656	0	0	1,169	0	0
Lands	<i>Total Revenue</i> .—Menzies	1,264	1	0	...	798	18	0	
		...	...	...	...	48	0	0
		Yerilla ... ..	...	...	...	15	0	0
...	...	...	1,264	1	0	861	18	0
Internal	<i>General</i> .—Menzies... ..	1,260	17	0	...	3,973	16	6	
		
		Yerilla ... ..	...	...	...	...	...	...
	1,260	17	0	3,973	16	6
	<i>Revenue Stamps</i> .—Menzies	867	5	9	...	380	6	8	
		
		Yerilla ... ..	...	...	...	30	15	3
	867	5	9	411	1	11
	By certain sundries, Yerilla sheet ... ..	...	...	...	...	19	15	0
	£37,417	9	3	£18,017	5	3

NOTE.—Decrease of £19,400 4s.

* Niagara office only opened 2nd June, 1897. 1896 return includes revenue from Mount Margaret and Mount Malcolm, which are now included in Mount Margaret Goldfields returns.

TABLE J.

Showing the number of cases heard for the year 1897 as compared with 1896.

	1896.	1897.	Total.	
			1896.	1897.
Warden's Court—				
<i>Plaints.</i>				
Menzies	238	215	278	308
Niagara ... ..	...	19		
Yerilla	40	74		
<i>Exemptions.</i>				
Menzies	773	615	821	725
Niagara ... ..	...	14		
Yerilla	48	96		
<i>Small Debts Cases.</i>				
Menzies	65	231	65	242
Niagara ... ..	...	11		
Yerilla ... ..	...	...
<i>Police Court Cases.</i>				
Menzies	326	288	326	377
Niagara ... ..	...	50		
Yerilla ... ..	...	39		
			1,490	1,652

NOTE.—An increase of 162 cases.

TABLE K.

Ruling Rates of Wages.

					Per week.
					£ s.
Miners, wet shafts (for a shift of eight hours)	...	...	...	...	4 5
Do. dry shafts	do.	...	...	...	4 0
Pitmen	do.	...	...	...	5 0
Blacksmith	do.	...	...	...	4 10
Engine Driver	do.	...	...	...	4 10
Fitter	do.	...	...	...	4 10
Carpenter	do.	...	...	...	4 10
Horse Driver	do.	...	...	...	4 0
Bracemen and Platmen	do.	...	...	...	3 10
Tailing Pitmen	do.	...	...	...	4 0
Labourers	do.	...	...	...	3 6
Truckers	do.	...	...	...	3 0
Battery Feeders	do.	...	...	...	3 0
Tool Sharpeners	do.	...	...	...	4 0

Warden's Report on the Mount Margaret Goldfield for 1897.

I have the honour to submit, for the information of the Honourable the Minister, the following report on the Mount Margaret Goldfield, beginning from the 1st April (the date of its declaration as a separate goldfield) to 31st December, 1897.

I left Perth on April 1st, and proceeded to Mount Margaret, arriving there on the 11th of the same month. I held a Court there on the 12th and 13th, and after an inspection of the office returned to Menzies to wait for the teams with the necessary furniture, etc., for opening the head office of the goldfield at Malcolm. I subsequently reached Malcolm on 1st May, and the Registrar and Draftsman having previously arrived, the office was opened for the transaction of business on May the 10th.

This field is divided into two districts, that of Mount Margaret, which comprises an area of 17,150 square miles, and that of Mount Malcolm with an area of 2,516 square miles, and for the purposes of my report I think it best to treat each district separately as regards its development and future prospects.

MOUNT MALCOLM DISTRICT.

Taking, therefore, the Mount Malcolm District first, Schedule A, attached, will give some interesting and valuable information as regards its gold-mining leases, and other holdings, as also the average number of miners employed (which I have based on the Quarterly Returns furnished me), the number of Business Licenses, and Miners' Rights issued since May the 10th.

This district is fast coming into prominence as an important mining centre. The steady, genuine, and systematic development work which is at present going on everywhere, the amount of machinery now being erected, and the great number of good payable reefs which exist throughout the whole length and breadth of the district, bid fair to place this portion of the Mount Margaret Goldfield among the first ranks of gold-producing centres of the Colony. The great progress which has been made during the past six months—a time of general depression—is surely an index of the confidence which those most interested have in the permanency of the reefs and in the future prospects of this district. When I arrived here on 1st May, the North Star had just finished its first “clean up” from its 10-head battery. This and Webster's were the only two batteries then erected, and the only other one in course of erection was a 10-head at the Sons of Gwalia. Now there are seven leases with batteries of 10-head each, two with five head, and one with a Tremain Mill (equal to five head of stamps). These are all finished and in working order, but, unfortunately, several of them cannot crush anything like full time owing to scarcity of water. These leases are now driving for the reef well below water level in order to get a good supply. Another 10-head battery on the Middlesex Lease is nearing completion, and I hope will be at work before long. The North Star has, I believe, ordered an additional 5-head, the Vice Regent a 10-head, the Grattan a 5-head and the Oaklands a 3-head, so that when these are erected there will be 118 stampers at work in this district alone. There are many other good leases for which batteries will be ordered as soon as the requisite capital is forthcoming. The present 10-head at the Sons of Gwalia will be increased to 40 as soon as sufficient water is obtained with which to run them, and I confidently expect, at the end of 1898, to see at least 200 stampers erected in this district alone, and doing good work. Schedule B gives particulars of all batteries erected and in course of erection, etc.

The gold output from this district from April 1st to December 31st is 19,738ozs. from 11,523 tons, averaging 1oz. 14dwts. 6grs. per ton, and 588ozs. of alluvial, making a total of 20,327ozs. (See Schedule C. for full particulars.) This is a most creditable and satisfactory return for such a short period, and speaks volumes for the future of this portion of the field. From present indications it is highly probable that the gold returns from this district at the end of 1898 will reach 10,000ozs. a month.

The chief mining centres of the district are Malcolm, Leonora, Diorite King, Randwick, Bummer's Creek, and Murrin Murrin.

MALCOLM.

The North Star.—This is situated half-a-mile West from the town, and has returned from a 10-head Fraser and Chalmer's battery, since April 1st, 3,494ozs. from 3,435 tons of ore. This is a good 1oz. property with a nice reef running through it, which, at the 200ft. level, averages about 3½ft. in width. Two Berdan pans are worked in connection with this battery, also a rock breaker, automatic feeders, and an ore elevator. An additional five head of stamps have, I believe, been ordered. The reef is a white and laminated quartz, carrying very little sulphides, but the country rock varies. Some 70 men are employed in this mine.

The Richmond Gem.—Situated three-quarters of a mile from Malcolm. This lease has a very good 2oz. reef running through its entire length. It only averages in width at present, about 18in. at 70ft., but is expected to open out at the next level. This property has a 10-head Phoenix battery, with one Berdan pan working. It started in December, but owing to scarcity of water has not yet been able to run quite one shift a day. The machinery, consisting of a Cornish pump, winding gear, and battery engine, is driven by one 6 x 24 Cornish boiler, and is all splendidly and substantially erected and covered in. The country is diorite, and at 100ft. in the main shaft is very hard.

The Malcolm Mohr.—Situating four miles North from Malcolm townsite. This lease as a reef, which, as far as it is opened out, averages about 3ft. in width, and is worth about $1\frac{1}{2}$ ozs. to the ton. It is a good property and the company intend erecting a 10-head battery on it as soon as they possibly can. Its main shaft is down 160ft., and is well timbered for a distance of 100ft. from the surface. A crosscut is being put in at 100ft., at which depth a level will be opened out and a rise put in to connect with present workings at 70ft.

The Dover Castle is half a mile North from Malcolm.

Great Northern two miles North from Malcolm.

East Lynne 20 miles North-East from Malcolm.

Flying Pig 12 miles North from Malcolm.

These are also good properties, and will probably have batteries working before the end of 1898.

LEONORA.

Three miles South from Leonora Townsite is situated the Sons of Gwalia, comprising 168 acres in seven leases. This is really a splendid property, undoubtedly the best, so far, on this goldfield. Its 10-head battery started in June last, but for some time was only able to work one and then two shifts; but I am glad to say it is now working full time and has abundance of water for its 10-head. It has a lode formation, easily crushed, and averaging 4ft. in width at 106ft. level, where it has been driven on for 1,300ft. At this level the lode is highly mineralised, and the tailings in consequence assay high, as much as 37dwts. at times. The total output from this mine, since crushing was commenced in July last to the end of the year, was 6,891ozs. from 4,692 tons, averaging 1oz. 9dwts. 7grs. per ton. A 40-head battery and cyanide works will be erected here as soon as sufficient water is obtainable. The country is soft and easily worked. Two Berdan and two Wheeler pans are worked in conjunction with the battery. 110 men are employed on this mine.

The Forrest, Trump, and Leonora Gold Blocks are all situated within four miles North-North-West of Leonora Townsite. These are also good properties, and there is no reason why they should not have batteries on them during the present year.

DIORITE KING.

There are a good many very promising leases in the vicinity of the Diorite King townsite. Those upon which the most development work has been done are:—

The Diorite King situate three miles North-West of the town, and owned by the Diorite King Gold Mining Company, Limited. It has a fairly rich reef, which, at the 75ft. level, has been opened out for a distance of 215ft., and averages about 18in. in width. The country is hard diorite, which accounts for the small size of the reef, and is very costly to work. The workings are situated on top of a diorite range; so there is a probability that, when the level of the surrounding country is reached, the rock will become softer. Three of Ingersoll & Sergeant's Rock Drills are now being erected, and will very soon be in use. A 5-head battery is at work on the plain about two miles from the mine, where the company has a water shaft. The ore is carted on camels to it. The crushings up to date have averaged 1oz. 18dwts. to the ton. The ore contained a very large amount of sulphides, and the tailings necessarily assay very high.

The Vice-Regent adjoins the Diorite King on the South, and has what is believed to be a continuation of its reef running through it, but the main workings are confined to an altogether different reef, which has been opened out at 100ft. for a distance of over 150ft., and averages 3ft. to $3\frac{1}{2}$ ft. in width. It is a hard brown quartz, which, as depth is attained, becomes heavily charged with sulphides. From this level a winze has been sunk for 50ft., and the reef is being driven on at this depth to connect with the main shaft, which has been sunk to a depth of 160ft. The ore is of a high grade, but rather hard. The country is much more easily and less costly worked than that of the Diorite King, but is hardening at the bottom of the main shaft. Rock drills and a 10-head battery have been ordered for this property, and water will be supplied by pipes from a well three-quarters of a mile off. This mine is at present looking particularly well.

The Middlesex (recently floated) is situated about four miles South-East of the townsite, and is a very good lease. It has a reef 2ft. wide at 50ft., which has been opened out at that level for some distance, and gives an average assay of 25dwts. The country is very soft and easily worked. An abundant supply of water has been struck in each shaft at 50ft., and no more sinking can be done until a pump has been erected. This and a 10-head battery are now in course of erection, and will be at work in February.

The King of the Hills, situated about two miles North of the Middlesex, has three reefs running through it. Several shafts have been put down to water level (60ft.), and in each a certain amount of driving has been done; in all about 300ft. The main reef at 60ft. averages from 3ft. to 4ft. in the various shafts and drives. This lease is still in the hands of the prospectors. The country is soft and easily worked, and the reefs are composed of a brown quartz heavily impregnated with iron.

The Grattan, eight miles South-East; the Moynalty, seven miles South-East, and the Chicago, $2\frac{1}{2}$ miles South-West of townsite, are still at the prospecting stage, but promise to turn out payable mines judging from their present appearance.

The Little Wonder, two miles West, has a very rich leader, from which the holders have obtained several thousand ounces.

Several leases have been taken up during the year in the vicinity of Mount Stirling, and some of them are developing remarkably well.

The Derby has practically been abandoned, as its reef is too poor to pay under present circumstances. Its Tremain mill has lately been crushing for the public.

RANDWICK.

The principal lease at Randwick at present is the Waite Kauri, situated 20 miles from Malcolm, which has a 10-head battery working, but owing to want of water it has not been able to run anything like full time. It has a fair reef, which is expected to average an ounce.

BUMMER'S CREEK.

On Bummer's Creek is situated the Australia United, East-North-East of Malcolm, which can boast of a very good reef, averaging about 2ft. in width. It has been opened out at the 92ft. level for a distance of 250ft., and at the 135ft. level for a distance of 360ft. These are connected with the main shaft (which is down 195ft.) at the 135ft. level. A battery of 10 stamps commenced work about the 1st November, but for want of water could only crush on an average from eight to twelve hours per day. However, the return for the month has been 758ozs. from 200 tons, which is extremely good. (See Schedule C. for full return to 31st December.) A crosscut was put in from main shaft at 180ft., to hit the reef in the hope of getting a supply of water, but very little more was obtained when the reef was cut. Driving is now being done along the reef at this level, and I am glad to say the supply is improving. The plant, including a Cornish pump, winding gear, and compound engine are all driven from two 12ft. Cornish boilers built in side by side in solid masonry. The country down to 180ft. is easily worked, but below that it is hard diorite. The reef is a brown iron-stained quartz at lower level, but is white near the surface.

Webster's Find, Limited, is situated 11 miles North-East of Malcolm, and has a very large low grade reef. The company is at present sinking with a view of testing the reef at the 200ft. level, and its battery has, for the last few months, been crushing for the public.

The Possible and Bow Bells, situated 25 miles North-East of Malcolm, are developing very well, and should turn out good leases. They are still in the original prospector's hands. Trial crushings from each have given very satisfactory results. (See Schedule C.)

MURRIN MURRIN.

This lies 22 miles East from Malcolm. Around this centre are situated some fairly good leases, notably the Golden Prince, three miles South-East of the townsite of Murrin Murrin, with a reef which, at 80ft., averages over 2ft., and gives an average assay return of 30dwts. to the ton. A 5-head battery is at work here, and another five is to be erected shortly I believe. The country is good working ground and the reef is a white laminated quartz, low grade near surface, but improving at depth.

The Malcolm Proprietary, one mile North of townsite, has a very large reef of brown quartz running through it. At 100ft. it has been opened out for a distance of 500ft. and averages 8ft. in width. At the 160ft. level it has been driven on for 150ft., and also averages here fully 8ft. in width. The whole reef, as far as it has been exposed, will average 15dwts. to the ton. Up to date it has averaged very much more. A 10-head battery is working and tailings pump. As soon as the reef has been thoroughly opened it is the intention of the company to erect a battery of 40 head of stamps and cyanide plant. This is a really good payable property and has been well managed from the start. (See Schedule C for returns to end of December.)

The Victoria, $1\frac{1}{2}$ miles East-South-East of townsite; *Umpire*, adjoining Golden Prince; *Oaklands*, four miles South of townsite, and several others in the vicinity are developing well, and some of them should turn out payable properties.

The chief townsites of this district are Malcolm, with a population of about 200, and Leonora, with a population of about 100.

MOUNT MARGARET DISTRICT.

There are some very promising properties in the various centres of this large district, but the great majority are still in the hands of the prospectors. A large amount of capital has been, as usual, most recklessly squandered by English companies in this district on leases which have since proved valueless; machinery (carted up and erected at great cost) having in many instances been erected before the developments justified such an expenditure. This has naturally done the district considerable harm, but, nevertheless, there are many leases throughout the different centres which will pay well if properly managed and economically worked. The features of the country everywhere are highly auriferous, and I confidently expect that, in time, this district will become an important and thriving mining centre.

The chief town is Mount Margaret, with a resident population of about 50. A Registrar's office and Warden's Court are established here, and a Court is held once a month. The distance from Malcolm is 50 miles.

Carting at present is being done direct from Coolgardie *via* Yerilla, and is very expensive. The railway to Menzies will, however, reduce this considerably, and should give a fresh impetus to mining operations. Schedules A, B, and C give valuable information concerning the leases and other holdings, the number of batteries, and the gold output.

The following is a list of the principal leases, with a few particulars about each :—

WESTRALIA MOUNT MORGAN.

Gold Mining Lease, 321T (24 acres).

The above property is owned by the Westralia Mount Morgan Gold Mines, Limited, and is situated about seven miles North of Mount Margaret, in slate country, reef running 30° West with large outcrop in places on surface, from 10ft. to 16ft. in width. The reef can be traced on the surface from eight to 10 miles, deepest shaft 106ft., lode 20ft. to 25ft. wide, composed of quartz of a rubbly nature, good fresh water at 100ft. on the flat below the hill, though the supply is small at present. A trial crushing of four tons from the dump yielded six ounces. A Tremain mill has been erected for the purpose of testing this lode, and it is the company's intention very shortly to have a large plant erected. There are 13 leases on this line of reef, consisting of 300 acres.

CHILDE HAROLD.

Gold Mining Lease, 761T (24 acres).

This lease is situated 12 miles East of Mount Margaret, and is being worked by Clarke Bros. Deepest shaft 56ft., which is water level. Large supply of fresh water. Reef at this depth is 26ft. wide, and gives an average assay of 17½dwts. to 1oz.

No. 2 shaft is 35ft.; average assay 15dwts. The country consists of schist and slate. A crushing will shortly be put through at Hawk's Nest battery, and an average of 1oz. is expected.

AUGUSTA.

371T (24 acres).

This is situated about eight miles North-East of Hawk's Nest, and is being worked by S. Crawford and party. One shaft down 100ft. Width of reef at 40ft. level 4ft. At 100ft. level there is a crosscut of 9ft., which is not yet through the lode formation; 30ft. of driving at 40ft. level. Schist country. 30 tons lately crushed at Hawk's Nest battery averaged 3oz. 13dwts. to the ton.

PRIDE OF MOUNT MARGARET.

Gold Mining Leases 23T, 242T, 243T, and 458T.

These leases are situated about one mile South of Mount Margaret townsite on the edge of Lake Carey, and comprise 48 acres. They are being developed by the Pride of Mount Margaret, Limited. There are five shafts down to water level, 23ft. (salt water); width of reef 1ft. to 15in. Further work impossible without more powerful machinery to cope with water, which is expected shortly. Assays from 3½ to 14ozs.

MOUNT MARGARET REWARD.

Gold Mining Lease 35T, (19 acres).

Situated half-a-mile North-East from surveyed townsite of Mount Margaret. Country composed of decomposed schist and diorite. No. of shafts, seven, comprising 600ft. of sinking and 518ft. of driving. Main shaft: depth 125ft., with 193ft. of driving; width of reef 1ft. to 8ft. General average of stone about 10dwts., though the manager considers that the mine is not as yet sufficiently opened up to give a true average.

BRITISH FLAG.

This is situated about 20 miles North-East of Mount Margaret. The line of country which has been pegged out extends for about two miles, running North-East and South-West, and consists of a large ironstone formation, which at 100ft. level in several shafts, averages 50ft.

Craegiemoore (592T) on this line of reef, has crushed two trial parcels of five tons each at Hawk's Nest battery averaging 1oz. 15dwts. Reef and formation is estimated at a width of 50ft. Two shafts sunk to 100ft.

Enniskillen (453T).—One shaft 175ft., large supply of fresh water struck at that depth; 40ft. of driving 175ft. level; reef formation 50ft. wide.

British Flag (358T).—Crushed 15 tons for 83ozs. 6dwts.

Population of this centre about 100.

EARLSTON.

Earlston Proprietary Leases (697T, 698T, and 699T).—Situated at Earlston about 70 miles North of Mount Margaret. There are six shafts sunk to water level (50ft.), and about 600ft. of driving; width of reef 10in. to 8ft. There are four reefs running North and South, and underlaying to the West, with large outcrops for three-quarters of a mile on surface. Stone estimated at 30dwts. A very large supply of good stock water. Further development impossible without powerful pumping machinery. Population about 50.

Earlston Proprietary, 543T (C. Brown, Esq.), 24 acres.—There are two shafts sunk on this property, one 40ft., the other a water shaft 110ft. Salt water struck 70ft., making about 700 to 800 gallons in 24 hours. Three-head battery now crushing, and a 2oz. result is expected. The reef is 6ft. wide. The country consists of slate and schist. There is a fair amount of gum and mulga timber in vicinity. This lease is situated five miles South from Leases 697T and 698T, and close to Mt. Amy.

MOUNT WELD.

This is situated 33 miles East of Mount Margaret, and consists of ironstone country, with small reefs, and has been very little prospected.

The property which is most developed is the *Mount Weld* (673T), 18 acres. A 5-head battery has been erected, and a 2oz. crushing is expected. The shaft is 120ft. deep, and the reef at surface is 3ft. wide. At 120ft. a lode formation has been struck 20ft. wide. Small supply of fresh water at 90ft.

Edinburgh Castle (271T) and *Queen of the North* (221T) are situated five miles South-West from Lease 673T. Slate country with break-away hills, and are owned by the same company, being adjoining leases. Depth of shafts 110ft.; salt water struck. There are several small leaders running through these leases, which seem to be making into a big reef as depth is attained. The manager expects to strike a big lode similar to that in Lease 673T. Crushings: 56 tons averaging 2oz. 7dwts, and 22 tons averaging 3oz.

HAWK'S NEST,

Situated about 12 miles North-East of Mount Margaret, has been one of the best alluvial patches in the Colony, having been worked for the last five years. No payable reef has yet been found. The battery (10-head) erected on Gold Mining Lease 3T has been crushing for the public. Population here is 150.

LANCEFIELD GROUP.

This is situated six miles North-North-West of British Flag, and comprises six 24-acre blocks. Fresh water obtained at 35 feet. Schist and slate country, reef averages 12ft. No stone has yet been crushed; ore expected to give crushing result of 1oz. There are about 12 men working on these leases.

KORONG.

Korong Leases are situated about 20 miles North-West of Mount Margaret. The country consists of diorite, with lodes of ironstone formation and quartz.

Gold Mining Lease 461T, Korong.—One shaft sunk to a depth of 60ft., where the lode is 20ft. wide, averaging $\frac{1}{2}$ oz. No. 2 shaft, on another reef, is 70ft. deep on underlay. Width of reef here is 2ft. 6in. No. 3 shaft, also on second reef, 40ft. deep. Crushing taken from No. 2 and No. 3 shafts, 10 tons, yielded 63ozs. 16dwts. 6grs.; nearly $6\frac{1}{2}$ ozs. to the ton.

Gold Mining Lease 735T, Corona Broken Hill.—One shaft 80ft. with 80ft. driving. 13 tons treated for 33ozs. 6dwts., width of reef at bottom of shaft 4ft. Diorite country.

GENERAL REMARKS.

Notwithstanding the number of good mines which are now being worked, this field has as yet only been superficially prospected. As prospecting is at any time a costly undertaking, the prospectors have, up to the present, confined their efforts only to opening out with a view of testing such reefs as give prospects on the outcrop. One or two good leases have been accidentally discovered which gave no surface indications whatever, and there can be no doubt that many such exist. Sir John Forrest's remarks at the banquet tendered him in London, that "We in Western Australia had only two wants—more men and more money" apply in a marked degree to this goldfield, for more capital is required to develop the many good leases which are still in the hands of the prospectors, and more capital and more men of the right sort are also necessary in order to thoroughly prospect the large area of auriferous country which undoubtedly exists within the boundaries of this goldfield. A railway from Menzies, a distance of 64 miles from Malcolm by road, would assist materially in the development of this field, for very much more machinery would then be erected, and the timber required for mining purposes could be imported at a reasonable cost. There is very little growing on the field which could be used for such a purpose, and even firewood is getting scarce and expensive.

The health of the field has been exceptionally good.

The water supply throughout the field is fresh, and is obtainable almost anywhere at depths ranging from 50 to 100ft. By sinking on it good supplies are obtained for mining purposes.

Two Banks, the Western Australian and the National, have opened branches at Malcolm, and the latter an agency at Leonora.

Schedule D gives some interesting information as regards the revenue from each district, the number and nature of all licenses, and the number of cases heard in each Court.

Schedule E gives the rate of wages, cost of living, rainfall, depth at which water is obtained, and population of each district.

ARCHD. E. BURT,

Warden, Mount Margaret Goldfield.

1st February, 1898.

A (1).

MOUNT MALCOLM DISTRICT.

	1894.	1895.	1896.	1897.	Total.	Remarks.
Number of Leases applied for	17	107	285	60	469	
Do. do. abandoned and since re-applied for	...	1	1	...	...
Number of Leases abandoned and not re-applied for	2	3	44	1	...	
Number of Leases forfeited and since re-applied for	...	5	14	...	...
Number of Leases forfeited and not re-applied for	2	7	13	...	...
Number of Leases voided non-payment rent and since re-applied for	1	2	2	...	...
Number of Leases voided non-payment rent and not re-applied for	1	42	100	...	...
Number of Leases refused	2	1	3	...	
Do. do. in force on 31st December, 1897	11	45	110	56	222	
Area of Leases applied for	9,049	
Do. do. in force on 31st December, 1897	4,114	
Average number of Miners employed during year	550	...	As per Quarterly Return.
Number of Water Rights applied for	7	6	13	26	
Area of Water Rights applied for (in acres)	...	10	25½	37	72½	
Number of Water Rights in force on 31st December, 1897	22	
Area of Water Rights in force on 31st December, 1897 (in acres)	56½	
Number of Residence Areas applied for	28	28	
Do. do. in force on 31st December, 1897	26	
Number of Business Areas applied for	40	109	149	
Do. do. in force on 31st December, 1897	120	
Number of Machine Areas applied for	1	2	3	
Do. do. in force on 31st December, 1897	2	
Number of Tailings Areas applied for	1	...	1	
Do. do. in force on 31st December, 1897	1	
Number of Garden Areas applied for	2	2	
Do. do. in force on 31st December, 1897	2	
Claims applied for	
Protection Areas applied for	2	2	
Number of Business Licenses issued since May 10th	43	
Number of Miners' Rights issued since May 10th	237	

A (2).

MOUNT MARGARET DISTRICT.

	1894.	1895.	1896.	1897.	Total.	Remarks.
Number of Leases applied for	17	63	165	90	335	
Do. do. abandoned and since re-applied for	1	...	5	1	7	
Number of Leases abandoned and not re-applied for	...	7	39	6	52	
Number of Leases refused ... ..	...	1	2	...	3	
Do. do. forfeited and since re-applied for	1	3	3	...	7	
Number of Leases forfeited and not re-applied for	...	9	6	...	15	
Number of Leases voided non-payment rent and not re-applied for	9	31	54	3	97	
Number of Leases voided non-payment rent and since re-applied for	...	...	2	...	2	
Number of Leases in force on 31st December, 1897	6	12	54	80	152	
Area of Leases in force on 31st December, 1897 (in acres)	...	...	...	3236	3236	
Average No. of miners employed during year	...	...	...	...	450	As per Quarterly Returns
Number of Water Rights applied for ... ..	...	2	7	9	18	

A (2).—MOUNT MARGARET DISTRICT—continued.

	1894.	1895.	1896.	1897.	Total.	Remarks.
Number of Water Rights in force on 31st December, 1897	17	17	
Area of Water Rights in force on 31st December, 1897 (in acres)	78	78	
Number of Residence Areas applied for	44	44	
Do. do. in force on 31st December, 1897	2	2	
Number of Business Areas applied for	66	66	Mount Morgan town-site.
Do. do. in force on 31st December, 1897	60	60	14 Business Areas applied for 1897.
Number of Machine Areas applied for	* 1	1	British Flag, Earlston
Do. do. in force on 31st December, 1897	* 1	1	
Number of Tailings Areas applied for	1	1	
Do. do. in force on 31st December, 1897	1	1	
Number of Garden Areas applied for	
Do. do. in force on 31st December, 1897	
Claims applied for	2	2	
Protection Areas applied for	9	9	
Number of Business Licenses issued since April 1st	16	16	
Number of Miners' Rights issued since April 1st	210	210	

* Containing five acres.

B.

BATTERIES ERECTED AND IN COURSE OF ERECTION.

Lease No.	Name.	No. of Stampers erected.	Being erected.	Ordered.	Remarks.
MOUNT MALCOLM DISTRICT.					
26c	North Star	10	...	5	
207c	Sons of Gwalia	10	...		
12c	Richmond Gem	10	...		
125c	Australia United	10	...		
142c	Golden Prince	5	...		
11c	Malcolm Proprietary	10	...		
52c	Waite Kauri	10	...		
65c	Webster's Find, Limited	10	...		
18c	Diorite King	5	...		
403c	Derby (Tremain Mill)	= 5	...		
291c	Middlesex	...	10		
24c	Vice-Regent	...	...	10	
308c	Grattan	...	...	5	
282c	Oaklands	...	...	5	
MOUNT MARGARET DISTRICT.					
249T	Golden Cliffs	20	...	...	Not working.
35T	Mount Margaret Reward	10	...	...
673T	Mount Weld Proprietary	5	...	...
321T	Westralia Mount Morgan	(Trm.)=5	...	...
271T	Edinburgh Castle	3	...	...
543T	Earlston Proprietary	5	...	...

C.

MOUNT MALCOLM DISTRICT.

Battery Return from 1st May to 31st December, 1897.

Lease No.	Name.	No. of Stamps.	Tons treated.			Gold won.			Average.	Remarks.
			tons	cwt.	qr.	ozs.	dwt.	grs.	ozs. dwt. grs.	
207c & 190c	Sons of Gwalia ...	10	4,692	0	0	6,891	14	0	1 9 7	
26c	North Star ...	10	3,435	15	0	3,494	1	12	1 0 9	
65c	Webster's ...	10	1,062	0	0	361	3	13	0 6 19	
18c	Diorite King ...	5	162	0	0	309	0	0	1 18 0	
125c	Australia United ...	10	363	0	0	1,199	0	0	3 6 2	
11c	Malcolm Proprietary ...	10	512	0	0	692	10	0	1 7 1	
52c	Waite Kauri ...	10	319	0	0	294	0	0	0 18 10	
142c	Golden Prince ...	10	180	0	0	111	9	18	0 12 9	
195c	Leonora Gold Blocks ...	...	154	0	0	847	0	0	5 10 0	North Star Battery.
259c	Possible ...	...	75	0	0	259	15	6	3 9 6	Webster's Battery.
452c	Flying Pig ...	...	41	1	2	243	4	5	8 6 10	Do.
263c	Trump ...	...	8	0	0	944	0	21	118 0 2	Menzies Friday Battery.
78c	Keep it Dark ...	...	26	0	0	509	16	0	19 12 3	Webster's Battery.
385c	Pride of the North ...	...	9	2	0	54	1	3	5 18 19	Do.
355c	Golden Sunset ...	...	0	2	0	2	13	0	...	Dollied.
227c	East Lynne ...	...	10	0	3	63	6	4	6 6 5	Webster's Battery.
388c	Alicia ...	...	20	0	0	40	7	12	2 0 9	Menzies Battery.
368c	Bow Bells ...	...	24	0	0	52	8	0	2 3 6	Webster's Battery.
418c	King Hills No. 1 Consolidated	...	30	0	0	38	17	0	1 5 22	Derby Tremain Battery.
201c	Black Chief Extended ...	...	4	0	0	4	0	0	1 0 0	Webster's Battery.
210c	Forrest ...	...	20	10	0	350	6	0	17 1 11	North Star Battery.
335c	King of the Hills ...	...	0	6	0	133	17	12	446 5 8	Derby Tremain Battery.
342c	King of the Hills North	...	19	10	0	16	15	0	0 17 4	Do.
455c	Rajah ...	...	5	12	0	23	17	9	4 5 0	Webster's Battery.
435c	Kilkenny Queen ...	...	0	1	0	15	0	0	...	Dollied.
306c	Young Australian ...	...	12	14	0	29	15	1	2 7 0	Diorite King and Derby Battery.
403c	Derby ...	2	20	0	0	20	5	12	1 0 12	2-head Tremain Stamp.
127c	Black Chief ...	...	8	8	0	14	11	15	1 14 17	Webster's Battery.
256c	Great Surprise ...	...	10	0	0	16	6	0	1 12 6	Unknown.
58c	Victorian ...	...	31	0	0	90	6	0	2 18 6	Webster's Battery.
364c	Queen Mary ...	...	10	0	0	35	0	0	3 10 0	Crushed at Webster's Battery.
240c	Leonidas ...	...	27	0	0	53	3	12	1 19 9	Do.
458c	Bung Eye ...	...	5	0	0	16	3	0	3 4 14	Derby Tremain Battery.
458c	Do. ...	...	0	2	0	60	0	0	...	Dollied.
88c	Bohemian ...	...	5	0	0	11	8	0	2 15 13	Webster's Battery.
459c	Gwalia Bach ...	...	30	0	0	50	2	0	1 13 9	North Star Battery.
146c	Sunday ...	...	28	0	0	32	18	13	1 3 12	Webster's Battery.
462c	Glen Lyon ...	...	15	0	0	41	0	0	2 14 16	Do.
305c	The Wonder ...	...	0	6	0	182	10	0	608 6 16	Derby Battery.
305c	Do. ...	...	3	5	0	70	0	0	20 0 0	
438c	Chicago East ...	...	7	0	0	22	16	0	3 5 3	Diorite King Battery.
467c	Worcester ...	...	23	0	0	18	0	0	0 15 18	Do.
212c	Dover Castle ...	...	40	0	0	49	3	10	1 4 14	Webster's Battery.
75c	Federal No. 1 ...	...	7	0	0	10	6	0	1 9 10	Do.
433c	Rose of Tralee ...	...	16	0	0	36	7	0	2 5 10	Diorite King Battery.
291c	Middlesex ...	...	15	0	0	26	0	0	1 14 16	Do.
443c	Terrible Blow ...	...	16	0	0	38	5	0	2 7 13	Do.
441c	Mount Stirling ...	...	10	0	0	43	0	0	4 6 0	Do.
259c	Possible ...	...	1	0	0	1,800	0	0	...	Dollied.
1c	Protection Area 1c ...	...	10	0	0	18	15	0	1 17 12	
Alluvial gold to 31st December, 1897			11,523	15	1	19,738	5	10	*	
						588	16	20		
						20,327	2	6		

* As many of the lots included were evidently parcels of specimens, this average has not been given as it would be misleading.

MOUNT MARGARET DISTRICT.

Battery Returns from 1st May to 31st December, 1897.

Lease No.	Name.	No. of Stamps.	Tons treated.	Gold Won.			Average.			Remarks.
				ozs.	dwts.	grs.	ozs.	dwts.	grs.	
35r	Mount Margaret Reward ...	10	25	23	11	0	0	18	0	Quarter ending 30th June.
475r	Mount Barnicoat ...	...	18	36	0	0	2	0	0	Do. do.
717r	Terlinga ...	...	2	2	10	0	1	5	0	Do. do.
688r	Rosie Lydington ...	...	25	31	15	0	1	6	0	Do. do.
271r	Edinburgh Castle ...	...	50	118	0	0	2	7	5	Do. do.
3r	Eagles' Nest ...	10	100	5	0	0	0	1	0	Quarter ending 30th September.
478r	Queen of the North, Extd. ...	...	20	47	0	0	2	7	0	Do. do.
171r	Altunga ...	...	4	4	16	0	1	4	0	Quarter ending 31st December.
610r	Leap Year ...	...	100	100	6	0	1	0	1	Do. do.
723r	British Admiral ...	...	5	10	2	0	2	0	9	Do. do.
760r	Nil Desperandum ...	...	15	15	10	0	1	0	16	Do. do.
592r	Craggiemore ...	...	5	5	17	0	1	3	5	Do. do.
371r	Augusta ...	...	50	183	6	0	3	13	7	Do. do.
461r	Korong ...	...	10	63	16	16	6	7	16	Do. do.
271r	Edinburgh Castle ...	3	22	62	0	0	2	16	9	Do. do.
592r	Craggiemore ...	...	5	8	8	2	1	13	15	Do. do.
762r	Gladys ...	...	4 $\frac{3}{4}$	9	0	0	2	2	18	Do. do.
358r	British Flag ...	...	15	83	6	0	5	11	1	Do. do.
751r	Redcastle Reward ...	...	4 $\frac{1}{2}$	9	15	0	2	4	10	Do. do.
321r	Westralia Mount Morgan ...	...	4	6	0	0	1	10	0	Tremaine Mill, 2 head.
755r	Corona Broken Hill ...	...	13	33	6	12	2	11	6	Do. do.
478r	Queen of the North, East ...	...	20	47	0	0	2	7	0	Do. do.
35r	Mount Margaret Reward ...	10	318	109	16	12	0	6	20	Do. do.
717r	Terlinga ...	...	21	43	15	0	2	1	16	Do. do.
593r	Alicia ...	...	8 $\frac{3}{4}$	12	16	16	1	9	8	Do. do.
754r	Crescent ...	...	4	22	0	0	5	10	0	
			869	1094	13	10	1	5	4	

NOTE.—No alluvial reported.

D.

		£	s.	d.
Mining Revenue—Margaret,	1-4-97 to 31-12-97*	2,248	4	0
„ „ Malcolm	10-5-97 to 31-12-97*	1,689	3	0
Internal Revenue	10-5-97 to 31-12-97	750	19	8
Land Revenue	„ „ Do. „	24	15	0
Stamp Revenue	„ „ Do. „	20	0	10

* Does not include rents and fees paid at Head Office.

	Margaret.	Malcolm.	Total.
No. of Public General Licenses	4	10	14
„ Wayside House	0	3	3
„ Spirit Merchants	0	3	3
„ Eating and Boarding-house Licenses	0	1	1
„ Billiard-table Licenses	0	0	0
„ Gallon Licenses	2	0	2
„ Auctioneers' Licenses	1	2	3
Warden's Court Cases (Plaints)	58	61	139
„ „ (Exemptions)	55	131	186
Local Court Cases	...	13	13
Police Court Cases	...	...	25
Examination of Lunatics	...	...	2

Wages—	Mt. Margaret District.			Mt. Malcolm District.		
	£	s.	d.	£	s.	d.
Engine Drivers	5	0	0	4	10	0
Mechanics	4	10	0	4	10	0
Miners (above ground)	4	0	0	3	10	0
„ (below „)	4	0	0	4	0	0
Miners (in wet ground)	4	10	0	4	10	0
Labourers	3	10	0	3	10	0

Cost of living.—

	Mount Margaret.	Mount Malcolm District.
Beef, per lb.	None.	1s.
Mutton, per lb.	1s.	1s.
Flour, wholesale per ton	£35	£30
Flour, retail, per lb.	6d.	4d.
Tea, retail, per lb.	2s.	1s. 4d. to 1s. 6d.
Sugar, retail, per lb.	6d.	4½d.
Potatoes	6d.	4d.
Onions	6d.	4d.
Water, fresh, per 100 gallons, delivered... ..	15s.	7s. 6d.
Rainfall since 1st April, 1897	2½ inches	3 inches
Depth at which water is ob- tained	55 to 100	50 to 100
Population	450	1,400

Warden's Report on Dundas Goldfield for 1897.

SIR,

For the information of the Honourable the Minister of Mines, I have the honour to submit my Report on the Dundas Goldfields for the year 1897.

Although the past year has not in some particulars realised all the prosperity I had anticipated, still there has been a steady progress and development of many properties, most encouraging to those who have at heart the interests of the Dundas field and the Colony at large.

GOLD MINING LEASES.

During the year there have been 87 leases registered, comprising an area of 1,066 acres 3 roods 33 perches; and of this amount 643 acres 1 rood 38 perches were entirely new ground, the balance, 423 acres 1 rood 35 perches, having been previously applied for. There are now 218 leases in force.

The number of men employed on these leases is considerably less than was the case in the previous year; but, from the brighter outlook, it is fair to assume that the next year will see a marked increase in the number of workers on the field.

The following schedule shows the statistics, arranged under various headings:—

Leases in force	218
Acreage of above	2,670
Water rights in use, of 1 acre each	29
Do. with a total area of 461 acres	25
Machine areas, comprising 77 acres	16
Tailing areas, comprising 50 acres	10
Residence areas (occupied)	52
Business areas (occupied)	14
Miners' Rights issued	502
Business licenses issued	17
Warden's Court plaints	140
Exemption applications	245

JUDICIAL.

Cases in Petty Sessions	144
Local Court Actions	52

MINING.

Several batteries and cyanide plants, which were in course of erection towards the end of the year 1896, have been duly installed during the last 12 months, and in many instances have given substantial returns to the companies for whom they have been erected.

During the year the following batteries have been crushing with cyanide plants where noted. Some of the stamps enumerated below were only working for a portion of the year :—

Princess Royal	10 head and cyanide
St. Agnes	10 „
All Nations	10 „
Bevilaqua's	10 head and cyanide
Desirable	10 „
Mount Barker	10 „
Mawson's Reward	15 „
Norseman Reward	5 „ (equal to)
Norseman Gold Mines. Limited	20 „
Mount Benson	8 „
Little Wonder	6 „
Buldanía	5 „
Total	119 „

Regarding the plants enumerated above, the following explanatory remarks may be of interest :— The Princess Royal battery, aided by the cyanide process, turned out sufficient gold to enable the company, towards the end of the year, to declare a dividend of one shilling per share—the first dividend paid by any company on the Dundas Goldfield. The Norseman Gold Mines, Limited, have been steadily working since the starting of their machinery (Krupp Ball Mills), but occasional breaks occurred in the crushings at St. Agnes, Desirable, and Mount Benson, whilst the batteries at Mawson's Reward and All Nations were compelled, temporarily, to close down, owing to the unsatisfactory results obtained. Mount Barker, which crushed for the No. 1 North Norseman, as well as itself, stopped work in order to allow the proposed reconstruction of the two companies, but will probably start early in the year.

In addition to the batteries enumerated, the following gold mining companies are erecting plants as under :—Lady Mary Gold Mining Company, 10 head; Desirable Gold Mining Company, 10 head; Fowler Syndicate, 5 head. This machinery should be in full work within three months from date.

THE GOLD OUTPUT.

The output of gold during the past twelve months, so far as reported, amounted to 17,092ozs. 13dwts. 4grs., obtained from 13,690 tons of ore, and showing an average of 1oz. 4dwts. 23grs per ton.

In addition to the yield from the ordinary processes of amalgamation, the cyanide precipitation applied to the tailings has given the following result :—1,565 tons yielding 992ozs. 19dwts. 14grs.; this, with 77½ozs. (dollied), brings the total for the year up to 18,163ozs. 2dwts. 18grs.

A comparative statement of the figures recorded above with those of 1896 show very clearly the great advance that has been made during the past year :—

Year.	Tons Ore Crushed.	Yield of Gold.			Average Yield.		
		Tons.	ozs.	dwts.	grs.	ozs.	dwts.	grs.
1896	3,387	4,271	17	2	1	5	22
1897	13,690	17,092	13	4	1	4	23

It is quite impossible to estimate, with any degree of accuracy, the amount of alluvial that has been obtained, since there is no official return of the same; but, from personal knowledge, I can vouch for at least 200oz. having been obtained, and, if the truth were really known, the probability is that three times that amount was actually won, especially as the gold export figures for the year are 19,308oz. —nearly 1,200oz. more than the official returns from the field. Much assistance would be rendered in compiling reliable statistics if the banks were compelled to report the amount of all gold lodged with them for export under its proper heading.

The coming year should see a considerable augmentation of these returns, as several of the leading companies are arranging for increased crushing plants, most of which should be at work during the first half of next year. I have every confidence that these new installations will more than compensate for some of the disappointments in the past.

REVENUE STATISTICS.

The receipts under various headings enumerated below do not make so large a total as in 1896, but a steady increase is likely to occur in a short time, as new leases are taken up and the field becomes more systematically developed. The returns are as follow :—

Mining Revenue	£	s.	d.
Survey Fees	3,358	14	9
Exemption Fees	718	13	0
Judicial Fees (Mines)	527	2	0
Deposit in Plaints for Forfeiture	29	15	6
Land Revenue	350	0	0
Internal Revenue	435	8	5
Stamps	947	4	3
	92	10	0
	£6,459	7	11

WATER SUPPLY.

The question of an adequate water supply has been the occasion of no little difficulty to the managers of mines on the Dundas Goldfield, but after some disappointing delays the initial difficulties were overcome, and most of the batteries now working have a sufficient supply, enabling them to carry on their operations without any hitch. In the early part of the year considerable delay was caused before some of the batteries could start crushing, but once the proposed scheme was inaugurated no difficulty has arisen. Up to the present time a good supply has been obtained from Lake Cowan, and crushings have continued unimpeded. Some of the mines have been able to secure all the water required upon their own property, but others are dependent upon the supply obtained from the Lake, either through the medium of the Water Supply Company or by means of their own pumping arrangements. In many cases, however, this has necessitated a very large and expensive outlay for pipes and pumping plant, which has in some instances otherwise hampered the companies in the development of their properties.

COMMERCIAL PROGRESS.

The diminished population has naturally somewhat affected the trade of the town, one result being the withdrawal of the Commercial Bank, the West Australian alone remaining in the town. There are, however, five hotels and many stores, all doing fairly good business.

The cost of living averages from 30s. to 35s. per week at hotels and restaurants (for board only).

VITAL STATISTICS.

The health of the town during the year 1897 was exceptionally good, there having been no cases of infectious disease of any moment. The following statistics will speak for themselves:—Births, 18; deaths, 6 (of whom four were infants); marriages, 10.

During the second week in November an informal census was taken by the police, showing that the total population of the district amounted to 1,341, distributed as follows:—

Norseman Townsite and residential area:—Men and boys, 320; women and girls, 190.

Dundas Townsite and locality:—Men and boys, 71; women and girls, 28.

The mines, including condensers, bores, and Government tank under construction (50-Mile Rocks):—Men and boys, 662; women and girls, 70.

The district comprised in the Dundas Goldfield, extends from Keyser's (45-Mile), on the Esperance-Norseman Road, to the 50-Mile Rocks on the Coolgardie-Norseman Road, and includes Buldania, Peninsula, and Killaloe.

EDUCATION.

At the close of the year there were 55 children on the roll of the Public School, with an average attendance of 38. This school was first opened on October 27th, 1896, with a roll of eight children. On December 7th Inspector Robertson examined the school, when all but two passed in the Standard Classes, and the percentage calculated from that was exactly the same as the Perth Boys' School. In the Infants' classes the results were equally good.

MUNICIPAL MATTERS.

The Municipal Council during the year has not been inactive. The very excellent state of the health of the town (referred to elsewhere) is in no small measure due to the good sanitary arrangements, of which special mention was made in last year's report. The incinerator system, adopted from the outset, has worked with excellent effect. The principal streets of the town have had footpaths provided, and arrangements have been made for metalling the roadways, constructing drains, etc., so soon as the funds of the municipality admit of the expenditure; considerable improvements have also been made to the public recreation reserve.

PUBLIC BUILDINGS.

The Post and Telegraph Office, with Postmaster's quarters, the Hospital, Police Quarters and Lock-up, and Mechanics' Institute have all now been completed, but apart from these no buildings of any importance have been erected in the town during the past year.

GENERAL REMARKS.

In spite of certain drawbacks and a diminished population the fields have advanced, and, although certain anticipations in my report for the year 1896 have not been as thoroughly realised as could have been wished, the increased output of gold is a matter for congratulation.

In face of this increased gold return, however, during the last three months of the past year business generally was very dull and disappointing, but there are undoubted evidences that the outlook for 1898 is distinctly favourable, and the silver lining which is said to be a part of even the blackest cloud is now well in sight.

Of course the want of alluvial gold, to any extent, considerably handicaps the field, and until more crushing plants are erected on the properties justly estimated to be gold-producing, no great advance can be expected. It is known, however, that several companies will be putting on additional plant early in the year, and not working simply with the lowest limit of men required by the Act.

Early in the year the field was brought under the Mines Regulation Act, and Inspector Rankine took up his duties in May. Fortunately the accidents reported during the year have been of very limited number. Only three cases have been reported from the mines, each being the result of a fall of earth; one of the three cases terminated fatally.

The rainfall for the year, as reported by the Resident Engineer, was 883 points, of which 278 fell on the 10th and 11th August and 229 on 30th December. On the Coolgardie Road a large tank, at a cost of £16,000, is being constructed at the 50-Mile Rocks, and surveys and plans have been completed for a tank for the use of Norseman outside the town boundary. It is understood that several thousand pounds will be spent upon this work as soon as it can be taken in hand. At present the town is mainly dependent upon condensed water, the average price varying from 12s. to 20s. per 100 gallons.

There have been no new discoveries during the year, but a knowledge that existing properties are to be more thoroughly developed gives a more prosperous future for the Dundas Goldfield than might be expected from the depression which has latterly prevailed.

I have little doubt that the year 1898 will be distinctly more prosperous than that which has recently closed.

I have, etc.,

A. HICKS,

Warden, Dundas Goldfield.

31st December, 1897.

Mining Registrar's Report on Collie Coalfield for 1897.

Collie Coalfield,

January 31st, 1898.

SIR,

I have the honour to submit the following Report on the Collie Coalfield for the information of the Honourable the Minister for Mines:—

The progress of the Collie Coalfield during the year 1897 has been retarded by the difficulty of obtaining machinery. It has been found impossible to cope with the large quantity of water, met with at a comparatively shallow depth, without heavy pumping machinery, and this machinery has had to be carted over about twenty-eight miles of as difficult road as there is in the Colony. However, at the present time (January, 1898) the rails of the branch line connecting with the South-Western Railway at the Brunswick are laid into the township, and there will soon be no further ground for delay on this score. The leases are, for the most part, held in blocks of a dozen or more, each lease containing usually 320 acres, so that the labour conditions, even under the amended regulations, have proved onerous to the lessees who, for this reason and the difficulty of transport mentioned above, have applied for and obtained liberal periods of exemption.

Coal has been raised on the West Collie Company's leases, but only in sufficient quantities, so far as to enable some experiments as to its value to be made on the Eastern railway. Coal has also been struck in trial shafts put down by the Collie Proprietary Company, who are now (January, 1898) sinking to work one of their seams on the underlay, and expect to be producing coal in a few weeks' time, and also by Mr. John Evans, who is working some leases to the East of the Collie Proprietary, on which the Company he represents have erected pumping machinery. This, with the exception of the brick-making at the West Collie, is the only work at present going on.

During the year a large number of residence and business areas were applied for at the Collie, and on December 2nd the townsite of Collie, since called "Colliefields," was declared; but so far there has been no sale of town lots.

The population of the field, excluding the men at present employed on the railway, is estimated at 130.

I append statistics of leases, revenue, etc.

	No.	Area.
Leases in force, December, 1897 ...	90	28,243 acres.
Leases applied for during 1897 ...	67	21,320 do.
Residence Areas applied for, 1897	...	No. 236
Business " " "	...	34
Mining Licenses issued	...	284
Business " " "	...	38
Revenue for Year—		
Mining Revenue	...	£ 1,027 6 6
Exemption Fees	...	186 19 0
Survey Fees	...	691 10 0
		1,905 15 6

As to the prospects of the field, it would be presumptuous in me to express a decided opinion with the limited experience at my command. However, there seems to be no question as to the existence of coal in payable quantity, nor as to the suitability of the coal for many purposes; the only problem that now awaits solution is the profitable working of the seams, and I have every confidence that, with the advent of the Railway, this will be solved satisfactorily.

I have, etc.,

RAYMOND GEE,

Mining Registrar.

From the Mining Registrar, Greenbushes, to the Under Secretary for Mines.

Greenbushes, 7th June, 1898.

I beg to report on this field, for your information, as follows:—

There has been a steady decline in mining and business of all kinds here for some years past, owing principally to the low price of tin ore; until now the business here has almost reached a vanishing point, and I see no chance of a revival for the present. There has, it is true, been a slight rise in the price of tin ore lately; it now stands at 11s. 6d. a unit; but this is not sufficient to cause any revival here. None is likely to take place unless there is a rise to 13s. or 14s. at least. The figures as to revenue, holdings, etc., which are appended, will speak for themselves as to the depressed state of the tin mining industry:—

Mining Revenue during 1897	...	...	...	...	£27 7s. 6d.
Land Revenue	...	...	...	...	<i>Nil.</i>
Internal Revenue	...	...	...	...	<i>Nil.</i>
Stamp Revenue	...	...	...	...	<i>Nil.</i>
Leases in force at end of 1897	...	...	...	...	2*
Leases voided for Non-payment of Rent	...	...	...	...	<i>Nil.</i>
Miners' Rights issued	...	...	...	...	2.
Mining Licenses issued	...	...	...	...	27.
Liens...	...	...	...	...	<i>Nil.</i>
Caveats	...	...	...	...	<i>Nil.</i>
Exemptions	...	...	...	...	11.
Concentrations	...	...	...	...	<i>Nil.</i>
Claims Registered	...	...	...	...	} 13 (all extended claims for ground previously worked and abandoned).
Transfers Registered	...	...	...	...
Water Rights Registered	...	...	...	...	1.
Machine Areas	...	...	...	...	2.
Market Garden Areas Registered	...	...	...	...	1.
Stacks of Earth Registered	...	...	...	...	1.
Powers of Attorney Registered	...	...	...	...	3.
	...	...	...	...	<i>Nil.</i>

No batteries, mills, or engines at work during the year.

* Virtually abandoned. No rent paid for 1898.

W. A. G. WALTER,
Registrar.

The Under Secretary for Mines, Perth.

SIR,

Northampton, 25th May, 1898.

I have the honour to acknowledge receipt of your letter ⁵³/₇₀₄, 18/5/98, and to submit the following report accompanied by the items asked for:—

REPORT.

The Northampton Mining District attracted attention during the latter part of 1896, and applications for leases were first made in February, 1897. Little or no work was done during that year upon the Crown leases. Since that time, however, the opening up of the mines has been vigorously pushed forward, and the outlook has steadily though somewhat slowly improved. The unsettled condition of affairs in Europe has considerably militated against the welfare of the district and is being severely felt at the present time, London speculators appear very chary of investing, and without a large outlay of capital satisfactory developments cannot be made. There is no doubt in the minds of the various experts who have visited the district that it abounds in copper and lead of a very rich quality, and will well repay developments. With but three exceptions the mines have not been more than prospected, and those three are only down to a depth of 300ft.; 80ft. of sinking would be about the average for the rest of the mines. The West Australian Smelting Company and Mr. Vanzetti, of Perth, hold by far the greater number of the Crown leases, and they are making strenuous efforts to bring their properties into prominence. There are also very valuable private properties held and being worked by the Smelting Company and the Derby Syndicate, the latter being now engaged in the further development of the well-known Waneranooka Mine. A large amount of money has been spent in the district, and all being well the present year should witness a prosperous revival of the copper

and lead mining industry in this part of the Colony. The erection of smelting works both at Geraldine and Northampton will evidently become a necessity, and, as a matter of course, the successful working of the mines will attract a moderately large population. It cannot be expected that a very large output will take place yet, owing to the fact that new shafts have to be sunk on most of the mines; the old workings being in a ruinous and dangerous condition. In one or two instances the old shafts have been repaired at considerable expense and danger, and it seems to be considered advisable to re-open the mines in a proper and workmanlike manner by sinking vertical shafts and cross-cutting into the lode. This will satisfactorily account for the small quantity of ore available at present for smelting.

NORTHAMPTON MINING DISTRICT, 1897.

	£	s.	d.
Mining Revenue	487	18	6
Stamp Revenue	365	10	0
			No.
Leases applied for			41
Leases now in force			36
Mining Licenses issued			63
Exemptions granted			81
Total applications for exemptions			81

I have, etc.,

GUSTAVUS VARLEY,

Mining Registrar, Northampton.

Report by the Inspector of Mines, Central Goldfields, for 1897.

SIR,

I have the honour to submit my first annual report on the administration and working of the Mines Regulation Act, and on the condition of mining, so far as the safe working is concerned of those mines which come under my control, on the Central Goldfields during the year 1897.

1. During my preliminary visits of inspection of the mines at the beginning of the year I found that the state of the mines generally, so far as precautionary measures taken to avoid accidents go, was in most cases all that could be desired. I drew the attention of the mine managers to any defects I observed, and I am glad to state that, as a rule, they were, and are, trying to comply in detail with the requirements of the Act; so that there is now a great improvement in the condition of the mines in the direction of safety. I regret to state that during the year 1897, upon the Central Goldfields, there has been one (1) person killed and seven (7) injured, although this is a good percentage as compared with all the other centres; in fact, it is quite a record, and I think speaks well for the Act, which has only been in force for the last two years. With reference to Section 13 of the Act, which requires that the address of the Mine Manager be sent to the nearest Inspector, Warden, or Mining Registrar, my predecessor made a strong point of enforcing this section, and the managers comply with it generally as a whole.

VENTILATION.

2. In most of the mines that are in an advanced state adequate means for ventilation has been made but in more of the smaller mines I notice that no attempt has been made to obtain a supply of fresh air. The light air obtained while sinking in this country is not of a very dangerous nature; but at the same time, in the interest of the miner's health, it is necessary to enforce proper ventilation to be given any underground working.

EXPLOSIVES.

3. Nearly every mine on the Murchison has a splendid magazine, erected on the most approved principle. I find that, as a rule, explosives are very carefully handled by the managers; but the men themselves appear to be very lax in the handling of dynamite, and do not seem to realise what a dangerous explosive it is. I am strictly enforcing tamping bars and other safety appliances, as required by the Mines Regulation Act for the use of explosives.

SAFETY APPLIANCES.

4. Safety hooks, safety cages, and winding indicators, as required by the Mines Regulation Act, are being strictly enforced, and in many cases, on the Central Goldfields, have shown that they are a very necessary article.

LADDER WAYS.

5. In large mines I found these in excellent travelling order, but in the smaller mines I found no ladders whatever, and as timber has been such a big item here, it has been necessary to extend a little leniency in this direction; but I am gradually enforcing a ladder travelling way for the men in each mine, so that should anything happen to the winding or hauling gear, the men would still have a chance of getting out of the mine.

ABANDONED SHAFTS AND CUTTINGS.

6. These are a constant source of danger, both to the miner employed and the general public. Notices have been served on every lessee and claimholder on the Central Goldfields to the effect that they must either fill in, log up, or otherwise make these shafts safe. There was often great difficulty in finding out who was responsible for this work, but things are gradually getting more ship-shape.

WATER FOR BOILERS.

7. The water tapped in the majority of mines on the Central Goldfields does not contain much saline matter or solids; but there is some chemical in it that affects multitubular boilers considerably. I cannot too strongly recommend those wanting boilers to purchase only Cornish boilers. The hydraulic test every twelve months, as required by the Mines Regulation Act, is not, in my opinion, a thing that does much good; in fact, in some instances it does harm; but I believe in a thorough overhauling and inspection, and think that it will give the best result.

EXAMINATION OF ENGINE DRIVERS.

8. Immediately on my arrival here in June last, so that the Board of Examiners should not have to travel, and to save the expense incurred thereby, I recommended that Local Boards be formed for each of the different centres, viz., Nannine, Cue, Mount Magnet, and Yalgoo, which has been done, and I think works exceedingly well. We have held two half-yearly examinations at each of the above-named centres. The Board have decided on a new mode of examination for the coming year; for instance, at the examination held at Nannine on 10th February, in addition to the old mode of examination, each candidate, after giving the Board satisfaction theoretically, was taken to a battery, where he was requested to give a practical demonstration of his knowledge *re* the winding-engine, boiler, etc. It was with the Minister's consent that this was done, and both managers and drivers are exceedingly pleased to think that this mode of examination has been adopted, as it gives the man with an ounce of practice a chance against the man who is all theory. I myself feel confident that it will have to be generally adopted throughout the fields, as this is the only way or means by which we can ascertain if a man is competent to drive or take charge of a winding-engine. Ninety-two candidates obtained certificates of competency, and seventeen of service during the year 1897.

PUBLIC BATTERIES.

9. During the year I have reported on Lennonville and Tuckanarra, *re* their capability of keeping a Government battery going, and I reported to the department *re* the necessity, or otherwise, of having public batteries. I also gave evidence before the Royal Mining Commission *re* public batteries, the working of Mines Regulation Act, etc.

MINING GENERALLY.

10. At Nannine we have two of the most complete crushing machines on the field, viz., Champion and Champion Extended, and, as a lesson on economic mining, these two mines are setting an object lesson to the district. The cost of raising the ore is about 13s. 4d., and of reducing it by the battery power is 7s. 10d., the total cost per ton being 21s. 2d. I have seen the figures, so am able to verify this statement. This is an object lesson as to what can be done in this district with good management. Here all the reefs continue to show vast improvements as sunk upon, and will, in my opinion, improve below water level considerably.

At the Star of the East developments are of a very encouraging nature. I anticipate this part of the Nannine District to give a good account of itself during the ensuing year.

At Abbot's, the Murchison King is also at water level, turning out well, and giving promise of developing into a good mine. There is every credit due to the four miners—Messrs. McKay and party—for the systematic and workmanlike manner in which the mine has been opened up since the London Company gave it up. These districts are living on their output, and must improve vastly in the ensuing year.

At Cue and Day Dawn mining developments generally bear a healthy appearance. The output of gold for this year speaks volumes as to the permanency of the mines in this district. The Cue One, Light of Asia, Lady Mary, and one or two outside leases under the well known mining engineers, Messrs. Bewick, Moreing & Co., are to be amalgamated, and with these able mining engineers at their head and on the field, I feel sure that this will be a very successful venture, and give Cue a good lift in the right direction.

At Jones' Well and Lennonville. You have already, during the year, received a report by me on these districts, which report speaks for itself, and developments since are fully bearing it out. I anticipate great things from Jones' Well (Booardie) district for the coming year. (*See Report following.*)

YALGOO GOLDFIELD.

11. Yalgoo is at present under a cloud, but I am sure that with the introduction of a little capital and good management things must improve, and I am informed on good authority that capital is being raised in London for the Emerald Reward.

Melville and *Carlamina*.—There are several reefs in this district being held by the working miners, and I am sure there is sufficient low-grade ore to keep a population of miners who care to work if they had the facilities to crush the ore when raised.

Pinyalling, Field's Find, and the Baron, are doing good development work, and there is every indication of permanency, and I feel sure that this district will give a good account of itself when it has the chance of obtaining crushings.

Gullewa.—The miners here are every day turning out gold, and you must see by the results that Gullewa has a most promising future, although at present there is no crushing machinery on the spot.

I have, etc.,

N. F. GREENARD,

Inspector of Mines,
Central Goldfields.

Special Report on Jones' Well and Lennonville Mining Centres, Murchison Goldfield, by the Inspector of Mines.

JONES' WELL

Boogardie

Is situated about three and a half miles West of the township of Mount Magnet, and about one mile from the Morning Star Mine, which, under the able management of Mr. Jos. Bryant, is an object lesson to the mining community as to what can be done in Western Australia with low grade ore of from 10 to 12 dwts. Most of these claims are held by prospectors. The country in the vicinity of Jones' Well consists of granitic and schistose rocks, with ironstone a predominant feature; the reefs, lodes, or dykes are strikingly similar to Kalgoorlie. In the Venus, Havelock, Exchange, Lady Bunbury, and O.K. Leases the lodes and formations, when first opened, have a width of from 10 to 20 feet—in fact, in most instances, up to 30 feet. Shafts ranging from 50 to 100 feet have been sunk on all these leases, and the greater number of them have improved as depth has been attained. The owners have also, in most places, driven through the reefs or lodes, showing them to be permanent. To prove them without a doubt, and which I have strongly impressed upon owners, one thing remains to be done, that is to drive along the course of lode to find the length of the chutes of gold, so that a correct estimate might be made of their value. The dykes or lodes have a strike generally North-West by South-East, with a dip to the West. They consist of a ferruginous quartz associated with kaolin ironstone and chloritic schist, with traces of iron with arsenical pyrites; in fact it should be termed a volcanic complex. I did not sample the reefs, but for obvious reasons preferred to take the actual battery returns, which I append. I am confident that there is any quantity of low grade ore in these properties, besides there is from 1,500 to 2,000 tons of ore at grass in this district, all of which can be made to pay handsomely. A plentiful supply of water can be got in any part of this district. In conclusion, I am astonished to find that this place has not attracted more notice from capital, as it gives promise of developing into a large and remunerative field.

LENNONVILLE AND TEN-MILE DISTRICTS.

There is a great deal of development going on in these districts, at present mostly by prospectors, who, in most cases, are getting good results. The reefs in these localities present quite a different formation to those of Jones' Well district, that massive dyke-like formation, so prominent a feature at Jones' Well, has changed, and the granitic schistose rocks show up more extensively. The reefs consist almost wholly of quartz (pure silica mixed with iron pyrites); they vary in width from ten inches to ten feet as far as developed or sunk upon, and show every appearance of permanency, in fact most of them have improved as depth has been attained. Shafts varying from sixty to one hundred feet have been sunk on the following reefs:—The Yule Tide, Grand Gorge, Gambrel, Magnet Gem, Burra Burra, Lila, and numerous other properties which I have inspected. All the above-mentioned reefs are raising ore every day, and I can safely say there is any amount of ore in these reefs besides, as at Jones' Well, there is quite fifteen hundred tons at grass in this district that will yield good returns if treated at a reasonable rate. These reefs are, without a doubt, true fissure lodes, and will go down to endless depths, but so far the energies of the owners of these mines, with the limited amount of capital at their command, have been of a desultory nature. As I noted before, the chutes of gold along the line of reef have not been driven along sufficiently to prove their extent, so that a correct estimate might be formed of their value. Here again I did not take samples, but preferred the battery test, which I append, and which, I think, speaks for itself. Taken as a whole, they are phenomenally good, and are another unmistakable testimony of the value of the mines in this district, particularly denoting a highly encouraging future. The water question in this district has not yet been solved, but I see no reason why a plentiful supply should not be obtained by sinking and driving.

I have, etc.,

W. F. GREENARD, Inspector of Mines.

Gold Return from Jones' Well.

	Tons.	ozs.	dwts.	grs.	Average.			For Quarter ending 30th June 1897.
					ozs.	dwts.	grs.	
Venus	139	849	17	0	6	2	6	
Lady Bunbury	25	13	10	0	0	10	15	
Golden Crown	60	180	0	0	3	0	0	"
Jupiter	43	33	2	0	0	15	9	"
Rock of Cashel	24	8	11	0	0	7	3	"
Havelock	25	64	1	12	2	11	6	"
with tailings assaying	—	2	10	0	...	...	...	"

Gold Returns from Lennonville.

	Tons.	ozs.	dwts.	grs.	Average.		
					ozs.	dwts.	grs.
Grand Gorge	96	549	10	0	5	14	10
Burra Burra	13	32	0	0	2	9	5
Yule Tide	29	29	10	0	1	0	6
Lila (now Wah Wah)	42	32	0	0	0	15	5
Occidental	20	55	0	0	2	15	0
Princess Royal	83	104	7	0	1	5	3
Wheel of Fortune North	40	70	0	0	1	15	0
Wheel of Fortune Extended	34	57	15	0	1	13	10
Royal Surprise	12	6	15	9	0	11	3
Golden Treasure	24	52	8	12	2	3	16
Pearl	71	73	4	0	1	0	15

INSPECTION OF MINES.

Table showing the Number, Date, and Nature of Mining Accidents on the Murchison and Yalgoo Goldfields during 1897, with the Name of the Sufferer, and other particulars.

Accident No.	Date.	Name of Mine.	Name of Goldfields District.	Name of Sufferer.	Nature of Injuries.	Killed.	Injured.	Cause of Accident.
1	1897. Feb. 6 ...	Polar Star	Cue, Murchison ...	John Cantelo ...	A severe scalp wound ...	...	1	Ascending a winze by means of stubs in the sides, no ladder-way being provided; about three or four feet from bottom he slipped and fell.
2	May 25 ...	Victory United ...	Cuumingwarra ...	John Harris ...	... ..	1	...	A piece of timber had been loosened by shot previous to Harris going below to send up the mullock; he had not noticed it when descending; then when he started work it fell, striking him on the head and breaking his neck.
3	Aug. 23 ...	Waringee Gold Mine	Mount Magnet ...	G. H. Coatman ...	Leg broken ... ..	...	1	Coatman was stoping and working near a prop used to support the earth above; he loosened the prop, which fell across his leg, breaking it.
4	Sept. 23 ...	Gullewa Queen Mine	Yalgoo	Archibald McCulloch	A severe shaking ...	...	1	Was crossing the mine by night, walked down an unprotected shaft, about seven feet deep; was unconscious when found.
5	Sept. 26 ...	Mainland Consols ...	Lake Austin ...	H. Faulkner ...	Eye-sight injured, and hand cut very badly	...	1	Braceman sent down fuse with cap on, ready to fire; Faulkner did not notice it, put another cap on opposite end, rammed it down the hole, then fired the other end (with cap on) with the candle.
6	Oct. 12 ...	Young Colonial ...	Cue	John T. Bray*	A very severe squeeze across the loins	...	1	Was stoping out in very greasy country; instead of using timber he worked on, when a piece of stone, about 10 cwt., slipped away, fell about three feet, and jammed Bray against the foot-wall.
7	Nov. 6 ...	Havelock Gold Mine	Mount Magnet ...	W. F. Downey ...	Dislocated right knee, and also sustained a compound fracture to small bone in his foot	...	1	Was descending a 100ft. shaft by means of windlass and rope. Mr. Downey descended on end of rope, not taking the precaution to fasten the other end; after descending about 70ft., absence of weight on other end caused the rope to slip on windlass barrel and precipitated Mr. Downey to bottom of shaft.
8	Dec. 31 ...	Champion Mine ...	Nannine	Percy E. Bleakley ...	Severe cut over the eye, dislocation of right shoulder and left ankle	...	1	Was stoping in Black-Snake shaft, had just fired a shot, examined the wall and found it quite sound, started to put in another hole, when part of the hanging wall came away and fell three feet, jamming him against the foot-wall.
SUMMARY—								
Fatal Accidents ...						1		
Injured ...						...	7	

* Since reported dead in general table of accidents by Chief Inspector of Mines.

76

Report by the Inspector of Mines, East Coolgardie Goldfield, for 1897.

1. I beg to report that since taking office as Inspector of Mines for the East Coolgardie (Kalgoorlie) Goldfield, in March, 1897, visits to one or more of the mines that fall under my supervision have been of almost daily occurrence. These visits have been recorded in the weekly statements that have been sent to you.

2. In those cases in which defects have been observed at any of the mines, notification to remedy them has been served on the Mining Manager, or on the person who at the time was in charge of the mine, and almost invariably the requirements of such notifications have at once been complied with.

3. The fatal accidents that have occurred on the field since my arrival upon it have been twelve. Estimating the working mining population at 6,000, this gives a rate of two deaths per thousand. In itself this cannot be regarded as being an abnormally high average; but that it is as high as it is, is due to the Mount Charlotte disaster. At that mine, in April last, six men succumbed to the effects that resulted from an inhalation of the fumes of burning nitro-glycerine compounds. Some quantity of this material was accidentally set on fire in the mine, and the men, in making their escape, were exposed to the resulting fumes. Eliminating these six deaths, the rate is reduced to one per thousand of mining population.

4. In September and October last an examination of candidates for Engine Drivers' certificates was held at Kalgoorlie. This was the first examination that had been conducted by the then recently appointed Board of Examiners for this district, and the examination was for first-class certificates only. The Board sat, in all, 12 days. One hundred and fifty-six candidates were examined, 81 of whom satisfied the Board as to their qualifications. The remaining ones were rejected.

5. In connection with the question of Engine Drivers' certificates, I beg to direct your attention to the necessity that exists of vesting in the Examining Board power to grant certificates of a lower grade than that of first-class only. At present the Board has not this power.

6. With regard to the productiveness of the field, probably the most simple method of illustrating how rapid and how satisfactory this has been will be the production of figures.

The output of gold from the Kalgoorlie mines for 1896 (this has nothing to do with alluvial) is set down at, in round numbers, 100,000 ounces. For 1897, it has been 299,000 ounces.

7. From the character of the works and developments that are now in progress on the field, coupled with the energy that is being displayed in the equipment of so many of the mines with machinery, it seems to be beyond question that for the current year the output of gold will be considerably in excess of what it has been for the past year.

8. With respect to machinery for the reduction of the ore, there are now two hundred heads of stampers in operation on the field, and nine Huntingdon mills, together with Krupp mills, stone breakers, etc.

Cyaniding is in active operation on a large scale at two of the chief mines of the district, and the process will, in all probability, be very shortly in operation at at least four other mines.

9. A diamond drill has been on the field for the last five or six months, and has been continuously employed. At present it is being made use of for the purpose of putting a horizontal prospecting bore in the underground working of one of the mines.

10. The question of a future water supply need not be referred to in this, unless it be to emphasise the positive necessity there is for the completion of the work within the shortest possible limit of time.

GEORGE LIGHTLY,

Inspector of Mines, Kalgoorlie.

January 14, 1898.

Report by the Inspector of Mines, Dundas Goldfield, for 1897.

The Under Secretary for Mines, Perth.

SIR,

I have the honour to submit to you, in compliance with your instructions, the following general report of the work done by me, as Inspector of Mines for the Dundas Goldfield, during the year 1897.

APPOINTMENT.

1. My appointment was made on May 14th, 1897, but my duties were not entered upon until the 4th day of June.

CONDITION OF THE MINES.

2. My first and hurried preliminary inspection of the mines actively worked upon this field revealed, in several instances, a very unsystematic method of mining, and which must have been attended with grave risk to the men so employed had the same been allowed to continue unchecked for a much further period.

The underground workings in one particular mine which I inspected, and wherein a large number of men were employed, were of such a serious and dangerous nature that immediate steps and measures had to be taken to secure the ground for the safety of the men so employed.

Without here entering into the question of culpability I desire to place upon record the fact that the manager in this case, and also in nearly all the other instances, have shown a readiness and willingness to carry out my instructions and also to remedy any defects which I may have occasion to point out.

ENGINE DRIVERS AND MACHINERY.

3. During this inspection I also found that another and very important matter was in a very unsatisfactory condition. I refer to the requirements of the Mines Regulation Act regarding certificated engine drivers. At that time while there were a few men holding certificates from the other colonies, yet the large majority of the men employed as drivers were uncertificated, and in no instance was there one so employed holding a certificate under the above-mentioned regulations.

It is only just to add, in extenuation of such circumstances, that the Act regarding engine drivers did not apply to this field until the latter part of July of the present year.

ENGINE DRIVERS' EXAMINATION.

4. I am pleased to inform you that a Board of Examiners was appointed on the 15th July, 1897, and it is my duty as chairman of that Board to report that we held our first examination at Norseman on the 10th, 11th, and 12th of August.

For this examination 56 candidates entered, with the following result:—

Succeeded in obtaining Certificates of Service	...	12
Succeeded in obtaining Certificates of Competency	...	26
	—	
Total	...	38

SECOND EXAMINATION.

It was found necessary, in order to satisfy the immediate wants of the field, to hold a second examination on November 30th, for which 15 candidates entered, while 14 of the number obtained certificates.

Obtained Certificates of Service	...	7
Obtained Certificates of Competency	...	7
	—	
Total	...	14

INSPECTION OF BOILERS.

5. During the present year I have also given attention, as far as possible, to an inspection of the steam boilers in use upon the mines. So far, I have been enabled to make hydraulic tests of the majority of those in use, and I contemplate completing this work early in the new year, which will be a more favourable opportunity owing to the fact that most of the plants will undergo overhauling during the exemption.

MINES INSPECTION.

6. In dealing with the matter of the inspection of the mines, I beg to state that I have endeavoured to make a monthly inspection of each mine upon the field operating under the provisions of the Mines Regulation Act, and at the same time making occasional visits, as opportunity afforded, to those mines operating outside the provisions of that Act. Such distinction is due to the fact that the latter mines are employing a less number of men than six underground.

It is a matter for much concern in many instances that such a distinction should thus place these mines outside the operation of the Mines Regulation Act, for it is evident that, owing often to the lack of skilled working, combined with the insufficiency of capital, the sources of danger must be largely increased. Nevertheless I must admit that even in such of these mines where I have had occasion to point out any defects, or where I have made any recommendations for the more efficient and safe working of the same, the managers in charge have most willingly endeavoured to carry out my recommendations.

The number of official visits of inspection I have made to those mines operating under the provisions of the Mines Regulation Act is fifty-six (56), and the number of visits made to those mines operating outside the Mines Regulation Act totals 67; thus making a total of 123 inspections.

ACCIDENTS.

7. It is with regret that I have to include in this report the occurrence of two accidents during the earlier part of the year.

The first took place on the 26th day of April at the Desirable Proprietary Mine, by which one of the miners had his leg broken through some ground falling upon it.

The second accident took place on May 31st, at the United Scotchmen Mine, by which one M. Gollan, a miner, received an injury to his spine through a fall of earth, from the effects of which he has since died.

Since that date it is pleasing to report no accidents have occurred in any of the mines.

CODE OF SIGNALS.

8. The adoption of a uniform code of signalling being a matter of such vital importance towards the prevention of accidents, I deemed it wise to obtain the opinions of the principal managers upon the field, most of whom attended a meeting called for that purpose. Their unanimous opinions and recommendations have already been forwarded to your office.

PUBLIC BATTERIES.

9. By request of the Hon. the Minister for Mines, I have inspected the different localities on this field where mining operations are carried on. This has been done with the view of recommending any suitable sites for the erection of a public battery or batteries.

PROSECUTIONS.

10. I have also, during the year, conducted prosecutions in several instances against certain companies for neglecting to comply with the provisions of the 13th section of the Mines Regulation Act *re* notification of the appointment of managers.

In five cases nominal fines and costs were inflicted.

Proceedings were also instituted against the manager of the All Nations Mine for employing uncertificated engine drivers. Similar proceedings were also taken against the driver for taking charge of machinery driven by steam, not being the holder of a certificate as required by the Act. In each case a fine of 10s. was inflicted with costs.

11. So far, in this report, you will observe that I have confined my remarks to the work done as Inspector, and have studiously avoided making remarks upon the field either in the light of its industrial progressiveness and possibilities, or viewed from a point of geological interest.

While such is the case, I have not been unmindful to avail myself of the opportunity of collecting useful data which have come under observation during my periodical visits to the different mines in operation, and I trust, when better facilities are acquired, and a suitable opportunity presents itself, that I shall be able to include some information having some bearing upon the points above referred to.

I have, etc.,

J. B. RANKINE,

Inspector of Mines,
Dundas Goldfield.

December 20th, 1897.

Report by the Inspector of Mines, North Coolgardie Goldfield, for 1897.

SIR,

Menzies, December 15, 1897.

I have the honour to submit my report for Year ending 31st December, 1897.

1. I took charge of this district on the 27th May, 1897, and in consequence of instructions received to report on suitable sites for Public Batteries I have, with the exception of Mount Margaret district, visited all parts of this field. The area over which I have travelled, or rather, which comes under inspection, is approximately 34,737 square miles, made up as follows:—Mount Malcolm, 2,516 square miles; Menzies, 3,203 $\frac{1}{4}$ square miles; Niagara, 771 square miles; Ularring, 12,500 square miles; Yerilla, 15,746 square miles. (Mount Margaret has an area of 17,150 square miles.)

2. The mines in and around Menzies, I am pleased to state, are under thoroughly competent management. In the outlying districts, with one or two exceptions, the working is very unsatisfactory, and I shall endeavour during the ensuing year to visit them more frequently. The necessary precautions to ensure safety are in many cases entirely disregarded.

3. The lack of water is one of the drawbacks at Callion, Mount Higgins, and Menzies. To the latter place it has to be pumped from a lake seven miles distant. It contains 22 per cent. solids. At the Royal Group four miles distant South of Menzies, 30,000 gallons per day are raised, containing 2 $\frac{1}{2}$ per cent. solids. Leonora, Ida, Mulline, Niagara, Yerilla, Malcolm, and Murrin, are well supplied with both salt and fresh water. Large supplies can be obtained at from 80ft. to 100ft.

4. The absence of timber suitable for mining purposes is keenly felt in several districts. Large quantities of oregon are imported and used for timbering shafts; mulga, the principal timber procurable, being too small and weak. Mulline appears to be about the only district where really first-class mining timber can be obtained.

5. Legal proceedings were instituted against the Manager of the Goongarrie Gold Fields Gold Mining Company on 30th September, 1897, for negligence, but the case was dismissed owing to the prosecuting counsel neglecting to produce the Order-in-Council proclaiming Menzies a gold district, and to show that Goongarrie was within the 40 mile radius.

6. I would respectfully point out the difficulty of working under the present Act. In the case of less than five men being employed underground I am powerless. Cases of negligence to comply with instructions given for the safe working of the mine are disregarded if outside the radius, or when less than five men are employed underground. I have drawn the attention of the Warden to several cases.

7. An examination of engine-drivers was held in Menzies by the Coolgardie Board of Examiners in June, 1897. On the 29th and 30th November, 1897, another was held by the Menzies Board. Thirteen service certificates were issued, four competency, eleven were recommended 2nd class, and five failed. The recommendations for 2nd class were given to men who, though theoretically efficient, require practice. There is urgent necessity for more stringent regulations respecting the driving of a winding-engine. There are many cases outside the radius of men working a winch without a certificate, and I am powerless to prevent it.

8. The storage of explosives is, as a rule, carefully attended to. Where any defects were noticed they were promptly remedied.

9. Attached is the accident return for the year. Four were killed and five injured. The cases at Mount Malcolm, being outside the radius, were investigated by Warden Burt.

10. A pleasing feature in the development of this field is the cutting of the Friday reef by the Menzies United Gold Mining Company at a depth of 410ft., thus proving beyond doubt that the reefs live at a depth. Several mines are thoroughly equipped with rock drills, and on others the electric light is installed for the purpose of lighting battery-sheds and engine-houses.

I have, etc.,

(signed) J. O. HUDSON,

Assistant Inspector of Mines,
North Coolgardie Goldfield.

Report by the Inspector of Mines, Broad Arrow Goldfield, for 1897.

SIR,

I have the honour to submit my report on the Broad Arrow Goldfield for half-year ending December, 1897; also of my administration of the Mines Regulation Act, which I have enforced in so far as I deemed it practicable without harassing mining companies.

1. In making my preliminary inspection of the mines, immediately upon taking charge in June, I found that in the majority of them there were much needed reforms necessary for safe and proper working. I particularly noticed that there was an utter disregard on the part of managers paid to the proper timbering of ground, and the protection of old costeens and abandoned shafts, being in one or two instances decidedly dangerous. The requirements of the Act in these cases I rigorously enforced. But on the other hand I am pleased to state that, in most cases upon my recording any observed defect in a mine, the manager was only too pleased to carry out my instructions and suggestions for safer working, and I think the time is not far distant when I shall be able to report the working of the mines in the Broad Arrow district as satisfactory.

ACCIDENTS.

2. I regret to report that the half-year has not passed without accidents. There have been three in my district, most fortunately without fatal results. The first happened to a miner, through the "guide" slipping past a cleat, whilst working in the shaft, and inflicted a slight scalp wound, the man losing about two days' work.

The second was one due to want of presence of mind. It occurred at the Hill End Mine (during blasting operations in the shaft) through the signals being improperly given. The bucket was stopped in the shaft and a man endeavouring to leave it fell down the shaft and broke his leg.

The third one occurred at the Black Flag Proprietary Mine, where a man had both his legs broken by a truck getting away on an incline tramway.

I have also had to investigate the cause of several accidents outside my own district. The first one happened at the Melbourne United Mine, Bulong, where a man was foolishly forcing a plug of gelignite into a hole and it exploded, fortunately doing no very serious injury.

The second occurred at the Robinson Mine, Kanowna, and was due to a fall of earth which the injured man was just about to secure.

The third, unfortunately a fatal one, and the only fatal one that has come under my notice, happened at the Scottish Lass Mine, Kurnalpi. The unfortunate man proceeded below to light a fuse, which he thought had not been lit, 10 minutes after he had previously left the fuse, thereby committing a breach of the Mines Regulation Act.

TABLE OF ACCIDENTS.
BROAD ARROW GOLDFIELD.

	Non-Fatal.	Fatal.	Non-Fatal.	Fatal.
Explosions of blasting compounds ...	...	...	1	1
Shaft accidents	2	...	...	...
Machinery accidents	1	...	...	...
Total	3	...	1	1

It will be noticed by the foregoing table that all the accidents excepting two happened in the shaft.

3. I have taken legal proceedings against several mine managers for employing uncertificated engine drivers, and in all cases obtained a conviction and pressed for light fines. In one case, that of James Henderson, of the Hit or Miss Mine, Mulgarrie, the decision of the local Warden was successfully appealed against, the miners at the time being employed in an open cut on the lease, the contention being that an open cut was not a mine, and the men were not employed under ground. I may here state that the section dealing with such cases should be amended, as there could be fifty men employed in the same manner, and yet the Act would not apply according to the ruling of the Supreme Court.

4. The hydraulic pump supplied me by the Department I think is most essential, and has been the means of testing the majority of the boilers in my district, otherwise I think it would have been harsh to enforce the requirements of the Act relating to boilers, as I do not think there is another one in the district.

BROAD ARROW.

5. The principal mine, the "Hill End," is looking most promising. There has just been completed the erection of a new Ball mill, costing about £10,000, and which is working satisfactorily, the last ore milled averaging over 1½ozs. to the ton.

The Reison's Reward claim owners have just obtained exemption. The Half Mile Reef, Railway Venture, Duke Surbiton, and most others are either sinking or crosscutting, and will not show much further results until after the holidays.

PADDINGTON.

6. The mines here, contrary to most others on the goldfields, have quite as much water as is required, and in some cases the ground is very heavy and requires close timbering, the cause being, I consider, the proximity to the Arrow Lake.

BLACK FLAG.

7. The same might be said of some of the mines here. In sinking a shaft on the Black Flag Proprietary lease considerable difficulty was experienced owing to the bad nature of the country passed through. The same company has a most extensive and complete plant, a battery of 50 heads which have been in full work crushing for themselves and the public. They are now engaged in sinking the main shaft, which it is intended to carry down deeper than any now existing.

BARDOC.

8. The mining around this district is at present quiet, the principal mine, the Nerrin Nerrin, being shut down for three months; but I predict a good future for this place. Another mine, the Zoroastrian is the property of a newly formed company, which has decided to sink a main shaft 500ft.

SMITHFIELD.

9. At the King of the West a 20-head battery is in course of erection, and will soon be completed. The Kingsley Hall Reward and King of Kings are confined to crosscutting and developing.

10. There have been two examinations held in Broad Arrow for engine drivers' certificates.

11. Since taking control of the Broad Arrow field, I have made in all 150 visits of inspection.

I have, etc.,

(Signed) GEORGE JENKYN,

Inspector of Mines,

Broad Arrow Goldfield.

Broad Arrow, 7th December, 1897.

Report by the Inspecting Surveyor, Eastern Goldfield.

To the Under Secretary for Mines, Perth.

Survey Office, Coolgardie,
15th June, 1898.

SIR,

1. I have the honour to submit, for your information, a summary of and report on the survey work done on the Eastern Goldfields during the year 1897.

SURVEYS.—Leases surveyed	...	...	...	...	790
Leases inspected	...	...	...	...	311
Machine, tailings, garden areas, and water rights surveyed	...	...	...	...	151
Mineral leases surveyed	...	...	...	...	25
Residence and business areas surveyed	...	...	...	...	1,784

The above surveys were made at a total cost of £8,705 10s.

Traverses and connections, 341 miles 73 chains, costing £1,186 14s. 2d.

Special surveys (including reference marks, survey of reserved lots among residence areas, etc.), costing £221 14s.

Trig. stations and cairns erected (48), costing £256.

2. During the year more surveys were done in the Mount Margaret Goldfield than in any other, several new centres having been opened up. Surveys of the leases at Bates' find, sometimes known as the Erlistoun leases, were made, and some business areas laid out there. This is, I think, the furthest inland mining centre in Western Australia.

3. I am very well satisfied with the general quality of the survey work done by various surveyors on these fields, and I think it will compare favourably with any work done in the Colony.

4. BUSINESS AND RESIDENCE AREAS.—1,784 of these areas were laid out during the year, about a third of this number being in the vicinity of Kalgoorlie. Great difficulty is experienced in obtaining suitable land in that neighbourhood for residential purposes, the Crown land available being low and dusty, the higher and harder land being either occupied by mining leases or too remote, in the absence of cheap public conveyances, to be convenient for those whose business takes them daily to Kalgoorlie, or who are working on the mines.

5. In comparatively few cases is the whole of the surface of a lease utilised for mining purposes, and a provision in future leases enabling the Government to resume certain portions of the surface of a lease for residence purposes, without compensation (the interests of mining being, of course, carefully guarded), would, I think, be a wise one. I would also, in the interests both of the Government and the residents of these fields, suggest that the desirability be considered of a modification of Clause 30 of the Act under which it is held, that the Government can insist on the purchase by the holder, and the holder can insist on the right to purchase his holding from the Government.

6. INQUIRY DRAFTSMEN.—During the year draftsmen have been maintained in connection with the Wardens' Offices at Coolgardie, Kalgoorlie, Kanowna, Broad Arrow, Dundas, and Menzies. Draftsmen have been appointed at Yerilla, Mt. Malcolm, and Mt. Margaret, and arrangements made for the periodical visits of draftsmen to Bulong and Niagara. The duty of these draftsmen is, principally, to record on the plans all applications for gold mining leases and other holdings under the Goldfields Act, and to give the public every assistance in connection with plans, etc. These branch draftsmen's offices would be of great value if utilised to their fullest extent by the Lands Department to make known the land resources of the Colony.

7. COOLGARDIE STAFF.—The staff in the Coolgardie Office during 1897 consisted of an assistant inspecting surveyor, five draftsmen, and two clerks. These have been fully employed in examining and charting diagrams, and in making and adding to tracings of the various groups of mining leases for transmission to the head office for lithography. I do not anticipate the same amount of work during 1898, and shall probably be able to reduce the number of draftsmen. During the year 1,632 diagrams have been sent to the head office, and duplicate tracings of these to the branch offices.

8. FIELD SURVEYOR.—As the large extent of this district necessitated more inspection work than could be done by the Inspecting Surveyor, and as a good deal of work was constantly needed that was inadvisable to have done by contract, the Hon. the Minister appointed Mr. G. W. Ellis as Field Surveyor towards the end of the year. His first work was the fixing of thirty-nine bench marks in connection with a series of levels in the Kalgoorlie belt, that the underground surveys of the various mines could be referred to a common datum. He also made a traverse of fifty-two miles of the well-known chain of lakes running from Black Flag to the Gordon, in many of which large quantities of water remain for a long time after heavy rain. A field surveyor will be of great use to the Department, and the work he does in the course of a year will, I consider, fully justify the expenditure.

I have, etc.,

H. S. KING,

Inspecting Surveyor, Eastern Goldfields.

Annual Report of the Chief Draftsman, for the Year 1897.

H. C. Prinsep, Esq., the Under Secretary for Mines.

SIR,

Mines Department, April 30th, 1898.

I have the honour to report on the work and progress of the Drafting and Litho. Branches under my charge for the year ending 31st December, 1897.

Although there have not been so many surveys made this year, the fact of a great number of leases having been forfeited and taken up again under new numbers has had a tendency to increase rather than minimise our work. The officers have all been working hard to keep up to date recording this work on our standard plans.

2,532 survey diagrams have been received in head office during the year, all of which have to be recorded in the register books and redrawn on the lease instruments and in the lease register books.

504 lease instruments have been prepared ready for issue.

40 new plans on the "Sixteener" system, showing leases in various mining centres with Eastern Goldfields, have been compiled, besides various compilation sheets showing leases in outlying districts, which will be replaced by "Sixteeners" as time permits, and thus do away with a dual system of charting which is at present unavoidable.

A map of the Colony, on a scale of 10 miles to an inch, is in progress and is used as an index to the "Sixteener" system.

Mr. Hossack, who compiled this map, has since computed the actual bearings and distances of each "Sixteener" sheet, connecting them where possible to some survey mark within their boundaries; by this means we have a direct connection from one plan to another, *i.e.*, from the surveyor's original diagram of four chains to an inch to a "Sixteener" of 20 chains—to a T G of 80 chains—to an M or G plan of 300 chains, and on to our Colony map of 10 miles to an inch; the whole of which are directly connected to the Standard plans of the Crown Lands Department.

It would be as well to state here that an M or G plan is divided into nine T G plans, and that one T G plan is divided into sixteen, hence the term "Sixteener."*

With reference to the lithographic plans, 90,064 plans, diagrams, official forms, etc., etc., have been printed by our own machinery, including plans with many colours, and I am proud to say that the work will compare very favourably with that done in other Departments, both in this and other Colonies.

We were greatly retarded in our work through the removal of our machinery and stock to the present premises, and also through sickness on numerous occasions, which, owing to the very small staff, caused great inconveniences; however, our printing returns are by no means small.

The lease maps have to be corrected and altered on the stone, and new editions printed every quarter; 10,000 of these have been distributed for sale all over the world.

A new map, on a scale of 10 miles to an inch, in four sheets has been printed (in two colours) showing Goldfields, Mining Districts, and groups of surveyed leases. About 50 of these have been mounted and varnished for the use of the various Government Offices and Public Institutions, and some have been bound in book form. This plan includes the area between.

In the beginning of the year we purchased a small Pearl Platen printing press at a cost of £45, which has been a great boon to the Department in expediting the production of Official forms, Circulars, and Indices for lease maps, of which we have printed no less than 40,000.

I have, etc.,

ALAN H. BARLEE,

Chief Draftsman.

* A "T G" plan is one of the Lands Department's standard plans on a scale of 80 chains to one inch. "M" and "G" plans comprise nine of the "T G" plans, and are on a scale of 300 chains to one inch. "Sixteeners" each comprise one-sixteenth part of a "T G" plan, and are on a scale of 20 chains to one inch. It has been found impossible yet to issue lithographic copies of the "sixteeners," but when possible it is intended that they shall be substituted for the present promiscuous plans of mining centres which overlap and also leave gaps, so that no general plan of any district showing mining leases can be put together so far. (H.C.P., U.S.M.)

LIST OF PLANS AND MAPS FOR SALE.

Mining Centres.		Gold felds.	
35	Bardoc	}	Broad Arrow Goldfield. (W.)
24	Black Flag		
32	Broad Arrow		
103	Paddington		
13	Coolgardie	}	Coolgardie Goldfield.
87	Bullabulling and Gibraltar		
26	Lake Lefroy		
31	Londonderry		
9	Mt. Burges		
104	Red Hill		
64	Barker's Find	}	Kunanalling District. (S.)
93	Carbine and Carnage		
95-6	Cashman's (two sheets)		
33	Dunnsville		
66	Kintore Group and Hands Across the Sea		
10	Kunanalling (25-Mile)		
71	Siberia		
60-1	Dundas (two sheets)	}	Dundas Goldfield.
97	Lake Cowan		
27	Norseman		
75	North Dandalup		Dandalup Goldfield.
51	Corsair Group	}	East Coolgardie Goldfield. (E.)
109-110-15	Kalgoorlie and Great Boulder (three sheets, with index)		
78	Mt. Shea and Feysville		
65	Ballagundi	}	Bulong District. (Y.)
25	Bulong (I.O.U.)		
52	Mt. Monger		
74	Taurus		
16	Kanowna (White Feather)	}	North-East Coolgardie Goldfield.
68	Lindsay's Group and Hayes' New Find		
70	Mulgarrie and Mt. Eba		
28	Kurnalpi		Kurnalpi District. (K.)
11	Goongarrie (90-Mile)	}	Menzies District. (Z.)
30	Menzies		
43-44-77	Niagara—three sheets (Tampa)		Niagara District. (G.)
81	Mt. Ida	}	North Coolgardie Goldfield.
88-98	Mulline (two sheets) showing Ularring		
83	Speakman's (Callion)		
38	Edjudina	}	Yerilla District. (R.)
76	Lake Carey		
36	Yerilla and Mt. Catherine		
100	Pike's Hollow, Pennyweight Point, and Eucalyptus		
111	Peak Hill		Peak Hill Goldfield. (P.)
22	Cuddingwarra	}	Cue District.
37	Cue		
37	Day Dawn	}	Day Dawn District. (D.)
29	Island and Mainland		
21	West Mt. Magnet, Lennonville, and Jones' Well (Boogardie)		Mt. Magnet District. (M.)
69*	Nannine, Abbot's, Creggs' Well, Tuckanara, Meka- tharra, Quinn's, Star of the East, Burnakura, Weld Range		Nannine District. (N.)
45	Lawler's, McCaffrey's, and Ogilvie's	}	East Murchison Goldfield. (E.M.)
47	Lake Darlôt		
92	Lake Way and Barlow's		
67	Mt. Sir Samuel, Anderson's, Abbot's, and Kathleen Valley		
72	Wilson's Patch		

* All shown on one Sheet—Scale 40 chains to 1 inch.

Mining Centres.		Goldfields.	
90	Mt. Margaret and Eagle's Nest	... ..	} Mt. Margaret District. (T.)
99	Mt. McKenzie	... ..
80	Redcastle	... ..
84	Diorite King, Mt. Davis, and Mt. Ross	... ..	} Mt. Malcolm District. (C.)
82	Mt. Malcolm, Benalla, and Randwick	... ..
86	Princess Alix	... ..
112	Mt. Leonora	... ..
23	Marble Bar	... ..	} Pilbarra Goldfield.
79*	Bamboo Creek, Just in Time, Talga Talga, Tambourah Creek, Western Shaw, North Shaw	... ..
	* All shown on one Sheet.		
101	Nullagine	... ..	} Nullagine District. (L.)
79*	Egina, Glen Roebourne, Mallina, Pilbarra, Towranna, Whim Creek, Weerianna	... ..	} West Pilbarra Goldfield.
	* All shown on one Sheet.		
41*	Bilberatha, Cagacaron, Carlaminda, Field's Find, Gullewa, Lang's Find, Melville, Naiaunda Hill, Pinyalling, Rothsay, Wadgin-garra, Yalgoo	... ..	} Yalgoo Goldfield.
	* All shown on one Sheet—Scale 40 chains to 1 inch.		
91	Golden Valley	... ..	} Yilgarn Goldfield.
39	Mt. Jackson	... ..
2	Parker's Range	... ..
1	Southern Cross	... ..

ROUTE MAPS.

- 12 Eastern Route Map.
 94 Coolgardie Route Map No. 1.
 6 Murchison and Yalgoo Route Map.
 102 Pilbarra and West Pilbarra Route Map.
 89 Mining Centres and Districts North of Coolgardie.

MISCELLANEOUS.

- 40 Collie River Coal Mining Leases.
 Geological Map of the Colony.
-

230,000 OZ.

OF GOLD

W. A.

220,000 OZ.

210,000 OZ.

200,000 OZ.

190,000 OZ.

180,000 OZ.

170,000 OZ.

160,000 OZ.

150,000 OZ.

140,000 OZ.

130,000 OZ.

120,000 OZ.

110,000 OZ.

100,000 OZ.

90,000 OZ.

80,000 OZ.

70,000 OZ.

60,000 OZ.

50,000 OZ.

40,000 OZ.

30,000 OZ.

20,000 OZ.

10,000 OZ.

1886

1887

1888

1889

1890

1891

1892

1893

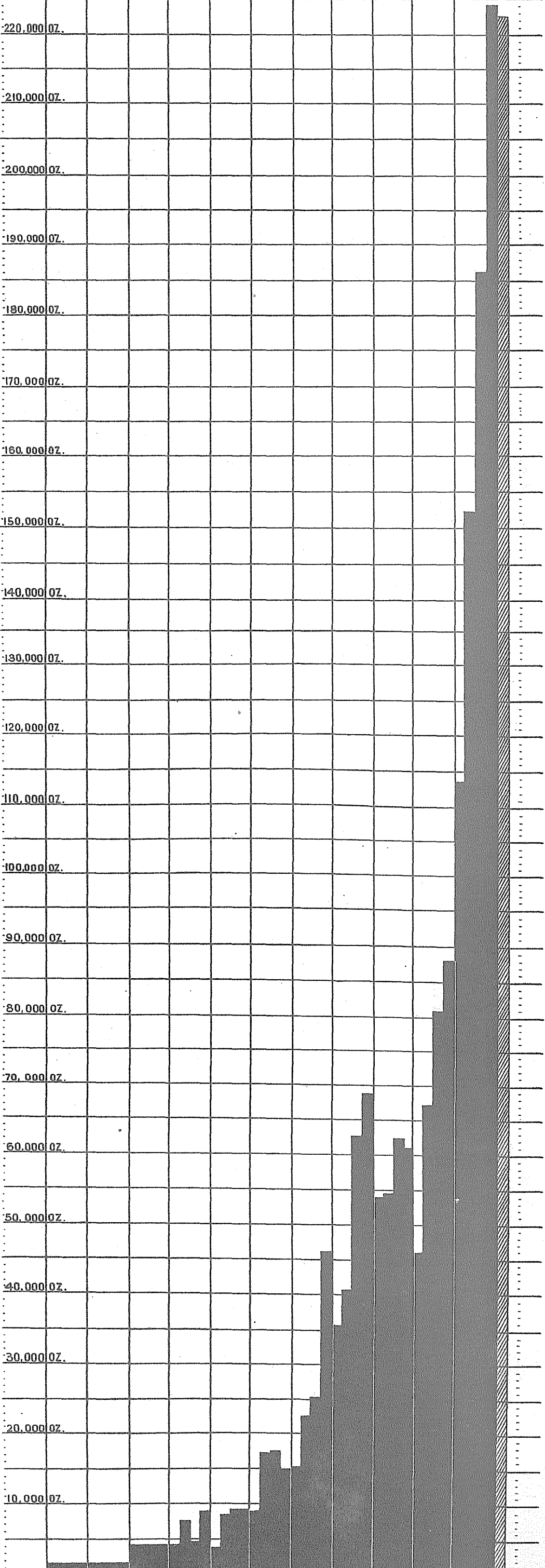
1894

1895

1896

1897

1898



GOLD MINING STATISTICS

TO 31ST DECEMBER, 1897.

To the Hon. Minister for Mines.

SIR,

Department of Mines, Perth, 31st March, 1898.

I have the honour to submit, herewith, the Gold Mining Statistics of 1897, and of all the years previous thereto since the initiation of the Gold Mining Industry in Western Australia.

The information submitted consists of:—

TABLE I.—A General Return showing, for each Goldfield and Goldfield District, the number and area of leases in force, the number of persons employed, with the quantity of ore treated and gold yielded to the 31st December, 1897.

No alluvial is included in this table; but, wherever it has been reported, a note to that effect, showing amounts won, has been made at the foot of the several pages forming Table II.

TABLE II.—A Return of all ore treated and gold yielded from every gold-producing mine in the Colony to the same date; the return from each mine being shown separately.

Careful research has been made in the preparation of these tables, and no data have been used the accuracy of which is at all doubtful.

415,424 tons of ore were operated on during 1897, giving a return of 624,201 ounces of gold, showing an average of 1oz. 10dwts. 1gr. per ton. To this is added 7,059 ounces of gold from dollying and from specimens, bringing the total yield to 631,260 ounces. The results are eminently satisfactory, showing that the present average yield throughout the Colony stands at 1oz. 8dwts. 4grs. per ton of ore—the total output having been 829,209 tons, and the gold yield therefrom 1,169,504 ounces. When to this is added 9,031 ounces, reported without any tonnage being given, and 13,189 ounces from specimens and dollyed, a grand total of 1,191,724 ounces of treated gold is obtained.

TABLE III.—A return of gold exported from the Colony during 1897, showing each month's totals separately, compiled from the *Government Gazette* as published by the Customs Department.

TABLE IV.—A return showing the quantity and estimated value of mining machinery.

TABLE V.—A directory of miscellaneous information which will be found useful, not only departmentally, but by the public in general.

In Table I., for purposes of comparison, the total amount of gold exported has been shown in juxtaposition with the totals of gold treated, and it may fairly be assumed that the fact of a large quantity of alluvial being unreported will account for the difference disclosed, viz., 450,896 ounces.

A study of the above stated facts will reveal the magnitude attained by the mining industry, and its importance as a factor in the advancement of the Colony; and it is a matter for congratulation that the returns, as hereunder exhibited, instead of showing any diminution, continue to be of a highly progressive character.

		Ounces.		Value.
1894	...	207,130	...	£787,099
1895	...	231,513	...	£879,748
1896	...	281,265	...	£1,068,808
1897	...	674,993	...	£2,564,976

The gold exported from Western Australia to 31st December, 1897, amounts to 1,642,620 ounces, of an estimated value of £6,241,957.

The Statist, Mr. Wallace, has expended a great amount of care and time on these tables, which are far more comprehensive than any previous issue.

I have, &c.,

HENRY C. PRINSEP,

Under Secretary for Mines.

CONTENTS.

	PAGE
TABLE No. I.—A General Return showing, for each Goldfield and Goldfield District, the Number and Area of Leases in force, the Number of Persons employed, with the Quantity of Ore Milled and Gold Yield	91
TABLE No. II.—A Return of all Ore Milled and Gold Yielded from every Gold-producing Mine in the Colony :—	
Kimberley Goldfield	94
Pilbarra Goldfield	98
West Pilbarra Goldfield	104
Ashburton Goldfield	106
Gascoyne Goldfield	108
Peak Hill Goldfield	108
East Murchison Goldfield	110
Murchison Goldfield	112
Yalgoo Goldfield	132
Mount Margaret Goldfield	136
North Coolgardie Goldfield	146
Broad Arrow Goldfield	160
North-East Coolgardie Goldfield	166
East Coolgardie Goldfield	176
Coolgardie Goldfield	182
Yilgarn Goldfield	198
Dundas Goldfield	200
TABLE No. III.—A Return of Gold exported from the Colony during 1897, showing each Month's Total separately	206
TABLE No. IV.—Return showing Quantity and Estimated Value of Mining Machinery erected to 31st December, 1897	207
TABLE No. V.—A Directory of Miscellaneous Information	209

TABLE No. I.

WEST AUSTRALIAN GOLDFIELDS.

A General Return showing the Number of Leases, Persons Employed, and the Quantity of Ore treated, with Gold Yield, to 31st December, 1897.

GOLDFIELD.	DISTRICT.	No. of Leases in Force.	Area of Leases in Force.	No. of Persons Employed.	DURING FIRST HALF OF 1897.							DURING THIRD QUARTER OF 1897.								
					Dollied and Specimens.	Concen- trates.	Tailings.		Milled.		Average Milled.	Dollied and Specimens.	Concen- trates.	Tailings.		Smelted.		Milled.		Average Milled.
							Tailings treated.	Gold there- from.	Ore Milled.	Gold there- from.				Tailings treated.	Gold there- from.	Ore Smelted.	Gold there- from.	Ore Milled.	Gold there- from.	
			A. R. P.		ozs.	ozs.	tons	ozs.	tons	ozs.	oz. dwt. gr.	ozs.	ozs.	tons	ozs.	tons	ozs.	tons	ozs.	oz. dwt. gr.
Kimberley	Hall's Creek	72	384	229	0 11 22
Pilbarra	Marble Bar	73	785 3 11	180	...	...	...	...	2,657	3,068	1 3 2	...	...	...	...	...	851	925	1 1 17
Do.	Bamboo Creek (sub-div.)	††	†	...	...	...	...	...	...	...	...	...	...	...	...	...	150	222	1 9 14
Do.	Nullagine	21	224 0 0	200	...	...	...	...	285	480	1 13 16	...	...	...	...	...	212	343	1 12 18
West Pilbarra	Roebourn	28	383 0 0	80	...	...	...	...	194	277	1 8 13	...	...	...	...	...	248	256	1 0 15
Do.	Mallina (sub-division)	§	§	...	...	...	...	...	20	33	1 13 0	...	...	...	...	...	...	...	...
Ashburton	Mount Mortimer	3	42 0 0	10	...	...	...	...	...	...	...	* 147	...	...	...	...	...	...	...
Gascoyne	Bangemall	7	94 0 0	30	...	...	...	...	1	7	7 0 0	...	* 7	...	...	...	...	...	...
Peak Hill	Peak Hill	25	167 3 29	175	...	...	...	...	...	...	...	...	* 332	...	...	...	2,384	8,709	3 13 1
East Murchison	Lawlers	142	2,247 1 22	350	* 183	...	...	...	2,985	6,200	2 1 12	...	* 181	...	...	...	2,749	4,621	1 13 14
Murchison	Cue	103	1,120 0 0	1,980	...	...	...	...	9,553	7,331	0 15 8	...	|| 40	...	...	...	7,182	5,941	0 16 13
Do.	Nannine	81	828 3 0	340	* 85	...	...	...	4,929	3,245	0 13 3	...	* 144	...	...	...	6,540	4,252	0 13 0
Do.	Day Dawn	67	663 2 0	494	...	...	3,000	338	3,747	3,185	0 17 0	...	* 154	...	...	...	2,494	2,821	1 2 14
Do.	Mount Magnet	113	1,109 2 35	390	...	...	...	...	7,587	6,413	0 16 21	...	* 65	...	...	...	3,642	2,831	0 15 13
Yalgoo	Yalgoo	83	912 1 20	500	...	...	...	...	1,581	1,193	0 15 2	...	...	...	...	...	1,109	1,104	0 19 21
Mount Margaret	Mount Malcolm	199	3,594 0 11	550	* 1,800	...	...	...	3,012	4,805	1 11 21	...	† 158	...	...	...	3,764	4,950	1 6 4
Do.	Mount Margaret	99	1,718 1 15	400	...	...	...	...	235	293	1 4 22	...	...	...	...	...	275	67	0 4 20
North Coolgardie	Menzies	203	2,955 0 0	750	...	59	...	...	13,589	31,291	2 6 1	...	...	...	...	...	10,151	14,404	1 8 9
Do.	Ularring	119	1,964 0 0	150	* 24	...	...	...	...	...	...	...	* 48	...	...	...	154	457	2 19 8
Do.	Niagara	96	1,465 3 38	173	...	...	...	...	22	58	2 12 17	...	...	...	...	...	80	161	2 0 6
Do.	Yerilla	140	2,523 3 10	400	† 254	...	...	...	434	733	1 13 18	...	* 23	...	...	...	787	776	0 19 17
Broad Arrow	Broad Arrow	329	4,733 0 37	720	...	...	...	...	7,596	6,378	0 16 19	...	* 27	...	...	...	5,981	4,029	0 13 11
North-East Coolgardie	Kanowna	221	3,343 2 5	735	...	...	...	...	7,644	8,398	1 1 23	...	* 195	...	...	...	7,298	6,537	0 17 21
Do.	Bulong	148	2,128 0 0	635	† 400	...	...	...	2,010	3,130	1 11 3	...	† 170	...	...	...	2,039	2,812	1 7 13
Do.	Kurnalpi	61	952 0 0	120	...	...	...	...	158	57	0 7 5	...	...	...	...	...	6	3	0 10 0
East Coolgardie	Kalgoorlie	690	12,066 2 38	5,000	* 16	39,719	120,021	3 0 10	...	1,169	5,769	6,658	88	276	27,803	62,086	2 4 15
Coolgardie	Coolgardie	455	6,469 3 33	1,500	...	...	...	...	10,739	14,208	1 6 11	...	† 662	...	...	...	11,345	14,414	1 5 9
Do.	Kumanalling	216	2,881 0 0	494	5,513	10,432	1 17 20	...	89	...	862	162	...	6,001	4,281	0 14 6
Yilgarn	Southern Cross	75	1,122 0 38	475	...	66	...	...	18,733	8,923	0 9 12	...	...	...	...	...	8,965	4,512	0 10 0
Dundas	Norseman	204	2,611 3 38	1,000	...	...	...	...	5,798	5,837	1 0 3	...	21	40	44	...	5,814	5,854	1 0 3
		4,001	59,108 1 20	17,903	762	125	3,000	338	149,125	246,225	1 13 0	2,442	1,190	6,671	6,864	88	276	118,024	157,368	1 6 16

* Dollied † Specimens. ‡ Included in Marble Bar. § Included in Roebourn. || Sluicing.

WEST AUSTRALIAN GOLDFIELDS—continued.

APPENDIX E.—A General Return showing the Number of Leases, Persons Employed, and the Quantity of Ore treated, with Gold Yield, to 31st December, 1897—continued.

GOLDFIELD.	DISTRICT.	DURING FOURTH QUARTER OF 1897.									TOTAL FOR 1897.			TOTAL PREVIOUS TO 1897.				
		Dollied and Specimens.	Concentrates.	Tailings.		Smelted.		Milled.		Average Milled.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Ounces from unknown Tons.	Dollied and Specimens.	Ore treated.	Gold therefrom.	
				Tailings treated.	Gold therefrom.	Ore Smelted.	Gold therefrom.	Ore Milled.	Gold therefrom.									
Kimberley	Hall's Creek	ozs.	ozs.	tons.	ozs.	tons.	ozs.	tons.	ozs.	oz. dwt. gr.	ozs.	tons.	ozs.	ozs.	tons.	ozs.	tons.	ozs.
Pilbarra	Marble Bar ... ..	...	...	...	...	...	...	362	769	2 2 11	...	384	229	...	...	13,200	12,734	...
Do.	Bamboo Ck. (sub-division)	...	...	...	...	...	...	538	951	1 15 8	...	3,870	4,762	2,082	...	5,343	12,899	...
Do.	Nullagine ... ..	...	...	...	...	...	...	84	69	0 16 10	...	688	1,173	...	...	5,195	12,085	...
West Pilbarra	Roebourne ... ..	...	...	...	...	...	...	147	294	2 0 0	...	581	892	...	...	583	1,402	...
Do.	Mallina (sub-division)	...	...	...	...	...	...	...	...	...	...	20	33	...	...	160	338	...
Ashburton	Mount Mortimer	*50	...	...	...	...	...	...	...	...	...	197	...	...	...	...	...	...
Gascoyne	Bangemall ... ..	...	...	...	...	...	...	...	...	...	...	7	1	...	...	...	...	...
Peak Hill	Peak Hill	*67	...	...	14	...	...	468	1,762	3 15 7	399	2,852	10,485	4,552	...	1,044	6,519	...
East Murchison	Lawlers	*79	...	...	...	...	...	6,029	9,109	1 10 1	443	11,763	19,930	...	...	1,467	2,576	...
Murchison	Cue ... ..	...	...	...	...	...	...	9,536	8,683	0 18 5	40	26,271	21,955	1,072	...	16,882	21,940	...
Do.	Nannine	*192	...	...	...	...	...	4,657	3,305	0 14 4	421	16,126	10,802	...	...	20,740	24,297	...
Do.	Day Dawn	*448	...	...	...	...	...	6,885	9,883	1 8 17	602	13,126	16,227	...	142	51,465	57,826	...
Do.	Mount Magnet	*273	...	...	...	...	...	5,254	2,687	0 10 5	338	16,483	11,931	...	2,199	21,718	32,956	...
Yalgoo	Yalgoo ... ..	...	...	...	...	...	...	977	1,158	1 3 16	...	3,667	3,455	...	...	2,488	7,227	...
Mount Margaret	Mount Malcolm	†60	...	16	13	...	...	5,284	9,026	1 14 3	2,018	12,060	18,794	...	...	6	4,362	...
Do.	Mount Margaret ... ..	...	...	...	...	...	...	629	831	1 6 10	...	1,139	1,191	300	...	225	330	...
North Coolgardie	Menzies ... ..	...	668	39	7	...	...	7,009	11,381	1 12 11	...	30,749	57,810	...	...	9,849	22,024	...
Do.	Ularring	*17	...	...	...	...	...	108	195	1 16 2	89	262	652	...	15	5	49	...
Do.	Niagara ... ..	...	...	...	...	...	...	287	317	1 2 2	...	389	536	...	...	2,602	206	...
Do.	Yerilla	*26	...	...	...	...	...	221	345	1 11 5	303	1,442	1,854	275	2,886	959	1,123	...
Broad Arrow	Broad Arrow ... ..	...	103	...	...	...	...	6,059	3,927	0 12 23	27	19,636	14,437	250	...	1,536	8,879	...
North-East Coolgardie	Kanowna	*101	...	...	...	...	...	6,866	4,981	0 14 12	296	21,808	19,916	...	...	5,557	8,328	...
Do.	Bulong ... ..	...	...	...	...	...	...	2,526	2,751	1 1 18	570	6,575	8,693	...	150	95	398	...
Do.	Kurnalpi ... ..	...	...	...	...	...	...	...	...	...	...	164	60	...	...	30	100	...
East Coolgardie	Kalgoorlie	*31	...	6,156	6,228	6,417	24,529	43,540	75,751	1 14 19	47	117,567	296,718	500	...	43,271	142,573	...
Coolgardie	Coolgardie	†363	...	222	22	5	17	15,799	16,841	1 1 7	1,025	37,888	45,502	...	...	27,744	59,631	...
Do.	Kunanalling	†70	...	240	135	...	...	4,841	4,042	0 16 16	159	16,355	19,052	...	...	3,676	7,061	...
Yilgarn	Southern Cross ... ..	...	68	...	...	...	...	8,290	3,503	0 8 10	...	35,988	17,072	...	738	174,925	93,456	...
Dundas	Norseman	78	...	1,757	1,037	...	...	5,369	6,413	1 3 21	78	16,981	19,206	...	...	3,020	3,984	...
		1,855	839	8,430	7,456	6,422	24,546	141,765	178,974	1 5 5	7,059	415,424	624,201	9,031	6,130	413,785	545,303	

* Dollied.

† Specimens.

WEST AUSTRALIAN GOLDFIELDS—continued.

APPENDIX E.—A General Return showing the Number of Leases, Persons Employed, and the Quantity of Ore treated, with Gold Yield, to 31st December, 1897—continued.

GOLDFIELD.	DISTRICT.	TOTAL GOLD PRODUCTION.				Average.	QUANTITY OF GOLD EXPORTED.†		
		Ounces from unknown Tons.	Dolled and Specimens.	Ore treated.	Gold therefrom.		During 1897.	Previous to 1897.	Total.
Kimberley	Hall's Creek	ozs.	tons.	ozs.	ozs. dwts. grs.	ozs. dwts. grs.	ozs.	ozs.
Pilbarra	Marble Bar	2,082	...	13,584	12,963	0 19 2	554 1 12	23,373	23,927
Do.	Bamboo Creek (sub-division)	9,213	17,661	1 18 8	} 11,955 17 9	} 111,279	} 123,235
Do.	Nullagine ... ..	...	...	5,883	13,258	2 5 2	
West Pilbarra	Roebourne ... ..	...	...	1,164	2,294	1 19 9	
Do.	Mallina (sub-division) ... ..	...	...	589	827	1 8 2	
Ashburton	Mount Mortimer ... ..	...	197	...	371	2 1 5		
Gascoyne	Bangemall	7	1	7	...	1,038 3 13	2,802	3,840
Peak Hill	Peak Hill	4,552	399	3,896	17,004	4 7 6	} 99,489 17 22	} 237,338	} 336,828
East Murchison	Lawlers ... ..	...	443	13,230	22,506	1 14 0		
Murchison	Cue	1,072	40	43,153	43,895	1 0 8			
Do.	Nannine ... ..	...	421	36,866	35,099	0 19 0		
Do.	Day Dawn ... ..	...	744	64,591	74,053	1 2 22		
Do.	Mount Magnet	2,537	38,201	44,887	1 3 12	} 83,241 17 2	} 17,161	} 100,403
Yalgoo	Yalgoo ... ..	...	...	5,155	10,682	1 14 17	
Mount Margaret	Mount Malcolm ... ..	...	2,018	12,066	23,156	1 18 9		
Do.	Mount Margaret	300	...	1,364	1,521	1 2 7			
North Coolgardie	Menzies ... ..	...	...	40,598	79,834	1 19 7	
Do.	Ularring	104	267	701	2 12 12	} 37,065 1 17	} 4,113	} 41,178
Do.	Niagara ... ..	...	...	2,991	742	0 4 22	
Do.	Yerilla	275	3,189	2,401	2,977	1 4 19			
Broad Arrow	Broad Arrow	250	27	21,172	23,316	1 2 0			
North-East Coolgardie	Kanowna ... ..	...	296	27,365	28,244	1 0 15		
Do.	Bulong	720	6,670	9,091	1 7 6	} 300,037 4 18	} 85,287	} 385,324
Do.	Kurnalpi ... ..	...	...	194	160	0 16 11	
East Coolgardie	Kalgoorlie	500	47	160,838	439,291	2 14 15			
Coolgardie	Coolgardie ... ..	...	1,025	65,632	105,133	1 12 0		
Do.	Kunanalling ... ..	...	159	20,031	26,113	1 6 1		
Yilgarn... ..	Southern Cross	738	210,913	110,528	0 10 11	17,994 9 13	181,734	199,729
Dundas... ..	Norseman	78	20,001	23,190	1 3 4	19,310 16 7	4,968	24,279
		9,031	13,189	829,209	1,169,504	1 8 4	674,993 17 2	967,626	1,642,620
Official Valuation, at £3 16s. 0d. per oz. ...							£2,564,976 12 9	£3,676,980	£6,241,957

† The Returns of Gold exported are from the Registers of the Customs Department.

NOTE.—Fractions of tons and ounces are omitted in the above Table. When the fraction of any total contained in Table II. equals or exceeds a half, it is here reckoned as a whole.

TABLE NO. II.—Return of

Kimberley

Official Numbers of Leases.	Name of Lease.	Name of Company	TOTALS PREVIOUS TO 1897.		
			Ounces from Unknown Tons.	Dollied and Specimens. ozs. dwts. grs.]	Ore Treated. tons cwt. qrs. lbs.
THE BROCKMAN—					
48	Afghan				94 0 0 0
40	Brockman King				24 5 0 0
30	Faugh-a-Ballah				6 0 0 0
53	Golden Crown				1148 0 0 0
	Lady Margaret				97 0 0 0
	Do. No. 1 N.				20 10 0 0
	Do. No. 5 N.				6 10 0 0
141A Claim	Mt. Bradley Tunnelling Co.				1971 0 0 0
	Right Bower				...
10	Southern Cross				5 0 0 0
HALL'S CREEK—					
	Black Mount				8 11 0 0
	Gladstone				2 0 0 0
	Jackson's Reef				78 0 0 0
43	Jubilee				23 0 0 0
1	Lady Broome				400 0 0 0
	Do. No. 1 N.				6 0 0 0
THE MARY—					
60	Reform				399 0 0 0
MT. DOCKRELL—					
47	Lady Hopetoun				40 0 0 0
7	Victoria				4 0 0 0
THE PANTON—					
54	Comet				28 14 0 0
58	Perseverance				5 0 0 0
59	Star of Kimberley	Panton River United G.M. Co.			1 0 0 0
RUBY CREEK—					
61 (late 16)	Ruby Queen				6000 0 0 0
44	Do. No. 1 N.				191 0 0 0
42	Rising Sun				577 0 0 0
	Rose				...
31	Sunny Corner				22 0 0 0
46	St. Lawrence				1275 10 0 0
141 Claim	Union				87 0 0 0
24	West and Left				679 10 0 0
					13199 10 0 0

Ore Milled, etc.—continued.

Goldfields—continued.

Gold Yield. ozs. dwts. grs.	TOTAL GOLD PRODUCTION.					Mint Value of Gold per Ounce.	
	Ounces from Unknown Tons.	Dollied and Specimens. ozs. dwts. grs.	Ore Treated. tons cwt. qrs. lbs.	Gold Yield. ozs. dwts. grs.	Average. ozs. dwts. grs.	£	s. d.
74 10 0	94 0 0 0	74 10 0	0 15 2		
17 17 8	85 5 0 0	39 4 8	0 9 4		
6 5 0	15 0 0 0	17 9 0	1 3 6		
1389 10 4	1153 10 0 0	1396 1 4	1 4 4		
251 14 9	97 0 0 0	251 14 9	2 11 21		
16 6 12	20 10 0 0	16 6 12	0 15 22		
9 6 0	6 10 0 0	9 6 0	1 8 15		
1578 18 6	2041 0 0 0	1612 14 6	0 15 19	3	15 0
...	5 0 0 0	3 0 0	0 12 0		
3 5 0	5 0 0 0	3 5 0	0 13 0		
3 8 0	8 11 0 0	3 8 0	0 7 19		
3 17 0	2 0 0 0	3 17 0	1 18 12		
56 18 0	78 0 0 0	56 18 0	0 14 14		
490 11 12	23 0 0 0	490 11 12	21 6 14		
30 0 0	400 0 0 0	30 0 0	0 1 12		
4 3 0	6 0 0 0	4 3 0	0 13 20		
228 17 0	399 0 0 0	228 17 0	0 11 11		
351 14 0	40 0 0 0	351 14 0	8 15 20		
123 6 0	4 0 0 0	123 6 0	30 16 12		
147 6 20	28 14 0 0	147 6 20	5 2 16		
3 0 0	5 0 0 0	3 0 0	0 12 0		
0 16 0	1 0 0 0	0 16 0			
4500 0 0	6067 0 0 0	4531 10 0	0 7 15	3	19 0
202 15 0	191 0 0 0	202 15 0	1 1 5		
535 6 0	577 0 0 0	535 6 0	0 9 6		
...	64 0 0 0	30 18 0	0 9 15		
64 11 12	22 0 0 0	64 11 12	2 18 16		
1497 19 12	1377 10 0 0	1588 19 12	1 3 1	3	18 0
107 19 0	87 0 0 0	107 19 0	1 4 19		
1033 19 0	679 10 0 0	1033 19 0	1 1 10		
12733 19 23			13583 0 0 0	12963 5 23	0 19 2		

TABLE NO. II.—Return of

Pilbarra

MARBLE BAR

Official Numbers of Leases.	Name of Lease.	Name of Company.	FIRST HALF OF 1897.				
			Dollied and Specimens. oz. dwt. gr.	Concentrates.		Tailings.	
				tons.	ozs. dwts. grs.	tons.	ozs. dwts. grs.
Amalgamated Leases, 7, 280	...	Consolidated, G.Ms., ²² W.A., Ltd.	...	...	...	...	...
401	Augusta No. 1 South	...	...	...	...	...	...
394	Auraria	...	...	...	...	...	...
446	Cremorne	...	...	...	...	...	...
	Campbell & others P.A.	...	...	...	...	...	...
	Carlsen's P.A. No. 92	...	...	...	...	...	...
223	Eldorado No. 1 W.	...	...	...	...	...	...
	Farrington's Reward	...	...	...	...	...	...
	Harper's P.A.	...	...	...	...	...	...
213, 214, 215, 230, 290, 291	...	Imp. W.A. Corporation, Ltd.	...	...	...	...	...
155, 164, 165	Just in Time	Just in Time G.M.s., Ltd.	...	...	...	...	...
458	Jubilee	...	...	...	...	...	...
455	Kushmattie	...	...	...	...	...	...
147, 148	McPhee's Reward	McPhee's Reward, Ltd.	...	...	...	...	...
105	...	Pilbarra United G.M.s., Ltd.	...	...	...	...	...
470	Pillindinni	...	...	...	...	...	...
	Protection Area, The General	...	...	...	...	...	...
457	Robert Bruce	...	...	...	...	...	...
	Rintoul's P.A.	...	...	...	...	...	...
	Stray Shot	...	...	...	...	...	...
3, 21, 160, 157	Excelsior	} Stray Shot and Excelsior } Gold Mines, Ltd. }	...	...	...	...	...
	Shamrock		...	...	...	...	...
	True Blue United	...	...	...	...	...	...
124	Star of the North	Imp. W.A. Corporation, Ltd.	...	...	...	...	...
404	Star of the North-West	...	...	...	...	...	...
	Salgash (Pros. Area)	...	...	...	...	...	...
338	Trafalgar	...	...	...	...	...	...
252	Tambourah King	...	...	...	...	...	...
459	The Great Unknown	...	...	...	...	...	...
210	The White Angel	...	...	...	...	...	...

MARBLE BAR

Official Numbers of Leases.	Name of Lease.	Name of Company.	FOURTH QUARTER OF 1897.				
			Dollied and Specimens. oz. dwt. gr.	Concentrates.		Tailings.	
				tons.	ozs. dwts. grs.	tons.	ozs. dwts. grs.
Amalgamated Leases, 7, 280	...	Consolidated G.M.s., W.A., Ltd.	...	...	...	...	...
401	Augusta No. 1 South	...	...	...	...	...	...
394	Auraria	...	...	...	...	...	...
446	Cremorne	...	...	...	...	...	...
	Campbell & others P.A.	...	...	...	...	...	...
	Carlsen's P.A. No. 92	...	...	...	...	...	...
223	Eldorado No. 1 W.	...	...	...	...	...	...
	Farrington's Reward	...	...	...	...	...	...
	Harper's P.A.	...	...	...	...	...	...
213, 214, 215, 230, 290, 291	...	Imp. W.A. Corporation, Ltd.	...	...	...	...	...
155, 164, 165	Just in Time	Just in Time G.M.s., Ltd.	...	...	...	...	...
458	Jubilee	...	...	...	...	...	...
455	Kushmattie	...	...	...	...	...	...
147, 148	McPhee's Reward	McPhee's Reward, Ltd.	...	...	...	...	...
105	...	Pilbarra United G.M.s., Ltd.	...	...	...	...	...
470	Pillindinni	...	...	...	...	...	...
	Protection Area, The General	...	...	...	...	...	...
457	Robert Bruce	...	...	...	...	...	...
	Rintoul's P.A.	...	...	...	...	...	...
	Stray Shot	...	...	...	...	...	...
3, 21, 160, 157	Excelsior	} Stray Shot and Excelsior } Gold Mines, Ltd. }	...	...	...	...	...
	Shamrock		...	...	...	...	...
	True Blue United	...	...	...	...	...	...
124	Star of the North	Imp. W.A. Corporation, Ltd.	...	...	...	...	...
404	Star of the North-West	...	...	...	...	...	...
	Salgash (Pros. Area)	...	...	...	...	...	...
338	Trafalgar	...	...	...	...	...	...
252	Tambourah King	...	...	...	...	...	...
459	The Great Unknown	...	...	...	...	...	...
210	The White Angel	...	...	...	...	...	...

Ore Milled, etc.—continued.

Goldfield.

DISTRICT.

THIRD QUARTER OF 1897.																			
Ore Milled.				Dollied and Specimens. oz. dwt. gr.	Concentrates.		Tailings.		Ore Smelted.		Ore Milled.								
tons	cwt.	qrs.	lbs.		ozs.	dwt.	grs.	tons.	ozs.	tons.	ozs.	tons.	cwt.	qrs.	lbs.	ozs.	dwt.	grs.	
779	0	0	0	803	9	0	...	...	...	...	...	...	310	10	0	0	275	5	0
66	0	0	0	149	12	0	...	...	...	...	...	...	...	...	...	...	...	...	...
178	0	0	0	411	19	0	...	...	...	...	...	...	25	0	0	0	17	0	0
...	...	...	...	...	...	...	...	...	...	...	...	...	87	0	0	0	137	6	0
...	...	...	...	...	...	...	...	...	...	...	...	...	14	10	0	0	16	13	0
...	...	...	...	...	...	...	...	...	...	...	...	...	9	10	0	0	12	6	0
...	...	...	...	...	...	...	...	...	...	...	...	...	51	0	0	0	32	19	0
...	...	...	...	...	...	...	...	...	...	...	...	...	19	0	0	0	21	16	0
...	...	...	...	...	...	...	...	...	...	...	...	...	10	10	0	0	8	3	0
1057	0	0	0	924	8	0	...	...	...	...	...	...	36	10	0	0	20	15	0
25	0	0	0	1	8	0	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	91	0	0	0	137	0	0
...
65	0	0	0	67	0	0	...	...	...	...	...	...	...	...	...	...	...	...	...
...
...	...	...	...	...	...	...	...	...	...	...	...	...	66	0	0	0	61	0	0
...	...	...	...	...	...	...	...	...	...	...	...	...	8	10	0	0	17	0	0
326	0	0	0	475	15	6	...	...	...	...	...	...	50	0	0	0	37	19	0
57	0	0	0	47	14	20	...	...	...	...	...	...	40	0	0	0	68	0	0
...
...	...	...	...	...	...	...	...	...	...	...	...	...	5	0	0	0	28	18	15
24	0	0	0	54	0	0	...	...	...	...	...	...	...	...	...	...	...	...	...
56	0	0	0	112	0	0	...	...	...	...	...	...	...	...	...	...	...	...	...
...
24	0	0	0	20	6	0	...	...	...	...	...	...	26	10	0	0	33	0	0
...
2657	0	0	0	3067	12	2	...	...	...	...	...	...	850	10	0	0	925	0	15

DISTRICT—continued.

FOURTH QUARTER OF 1897—continued.								TOTALS FOR 1897.										
Ore Smelted.				Ore Milled.				Dollied and Specimens. ozs. dwt. grs.	Ore Treated.		Gold Yield.							
tons	cwt.	qrs.	lbs.	ozs.	dwt.	grs.	tons		cwt.	qrs.	lbs.	ozs.	dwt.	grs.				
...	111	0	0	0	139	4	9	...	1200	10	0	0	1217	18	9
...	66	0	0	0	149	12	0
...	25	0	0	0	13	0	0	...	50	0	0	0	30	0	0
...	265	0	0	0	549	5	0
...	14	10	0	0	16	13	0
...	9	10	0	0	12	6	0
...	51	0	0	0	32	19	0
...	19	0	0	0	21	16	0
...	10	10	0	0	8	3	0
...	1093	10	0	0	945	3	0
...	25	0	0	0	1	8	0
...	91	0	0	0	137	0	0
...	86	0	0	0	193	0	0	...	86	0	0	0	193	0	0
...
...	1	0	0	0	260	0	0	...	65	0	0	0	67	0	0
...	29	0	0	0	43	18	10	...	1	0	0	0	260	0	0
...	29	0	0	0	43	18	10
...	25	0	0	0	33	0	9	...	91	0	0	0	94	0	9
...	8	10	0	0	17	0	0
...	85	4	0	0	86	13	0	...	461	4	0	0	600	7	6
...	97	0	0	0	115	14	20
...
...	5	0	0	0	28	18	15
...	24	0	0	0	54	0	0
...	56	0	0	0	112	0	0
...	26	10	0	0	33	0	0
...	24	0	0	0	20	6	0
...	362	4	0	0	768	16	4	...	3869	14	0	0	4761	8	21

Pilbarra

MARBLE BAR

Official Numbers of Leases.	Name of Lease.	Name of Company	TOTALS PREVIOUS TO 1897.		
			Ounces from Unknown Tons.	Dollied and Specimens. ozs. dwts. grs.	Ore Treated. tons cwt. qrs. lbs.
Amalgamated Leases, 7, 280	...	Consolidated G.Ms., W.A., Ltd.	2082	...	...
401	Augusta No. 1 South	...	...	...	...
394	Auraria	...	...	...	...
446	Cremorne	...	...	...	...
	Campbell & others P.A.	...	...	...	...
	Carlsen's P.A. No. 92	...	...	...	...
223	Eldorado No. 1 W.	...	...	...	...
	Farrington's Reward	...	...	...	...
	Harper's P.A.	...	...	...	...
213, 214, 215, 230, 290, 291	...	Imp. W.A. Corporation, Ltd.	...	...	...
155, 164, 165	Just in Time	Just in Time G.Ms., Ltd.	...	...	30 0 0 0
458	Jubilee	...	...	...	...
455	Kushmattie	...	...	...	...
147, 148	McPhee's Reward	McPhee's Reward, Ltd.	...	...	367 0 0 0
105	...	Pilbarra United G.Ms., Ltd.	...	...	1208 0 0 0
470	Pillindinni	...	...	...	...
	Protection Area, The General	...	...	...	...
457	Robert Bruce	...	...	...	...
	Rintoul's P.A.	...	...	...	...
	Stray Shot	...	...	...	...
3, 21, 160, 157	Excelsior	Stray Shot and Excelsior } Gold Mines, Ltd. }	...	...	3349 0 0 0
	Shamrock		...	...	...
	True Blue United	...	...	...	...
124	Star of the North	Imp. W.A. Corporation, Ltd.	...	...	18 10 0 0
404	Star of the North-West	...	...	...	96 0 0 0
	Salgash (Pros. Area)	...	...	...	...
388	Trafalgar	...	...	...	6 0 0 0
252	Tambourah King	...	...	...	...
459	The Great Unknown	...	...	...	...
210	The White Angel	...	...	...	268 10 0 0
			2082		5343 0 0 0

BAMBOO CREEK (SUB-DISTRICT

Official Numbers of Leases.	Name of Lease.	Name of Company.	FIRST HALF OF 1897.				
			Dollied and Specimens. oz. dwt. gr.	Concentrates.		Tailings.	
				tons.	ozs. dwts. grs.	tons.	ozs. dwts. grs.
Amalgamated Leases, 193, 161	...	Bamboo Con. G.M. Co.	...	...	...	...
462	Federation	...	...	...	...	...
171	Hidden Treasure	Pilbarra Syndicate, Limited	...	...	...	...
46, 49	...	Mount Prophecy and Perseverance G.Ms., Ltd.	...	...	...	...
119	Nil Desperandum	...	...	...	...	...
187	No. 1 Timbuctoo	Proprietary Bamboo Creek G.M. Co.	...	...	...	...
71	Tasmanian		...	...	...	...
76, 406, 407, 408	...	Pilbarra Goldfields, Limited	...	...	...	...
432	Premier	...	...	...	...	...
409	Queen and Bamboo Mines, No. 2.	...	...	...	...	...

BAMBOO CREEK (SUB-DISTRICT

Official Numbers of Leases.	Name of Lease.	Name of Company.	FOURTH QUARTER OF 1897.				
			Dollied and Specimens. oz. dwt. gr.	Concentrates.		Tailings.	
				tons.	ozs. dwts. grs.	tons.	ozs. dwts. grs.
Amalgamated Leases, 193, 161	...	Bamboo Con. G.M. Co.	...	...	...	...
462	Federation	...	...	...	...	...
171	Hidden Treasure	Pilbarra Syndicate, Limited	...	...	...	...
46, 49	...	Mount Prophecy and Perseverance G.Ms., Ltd.	...	...	...	...
119	Nil Desperandum	...	...	...	...	...
187	No. 1 Timbuctoo	Proprietary Bamboo Creek G.M. Co.	...	...	...	...
71	Tasmanian		...	...	...	...
76, 406, 407, 408	...	Pilbarra Goldfields, Limited	...	...	...	...
432	Premier	...	...	...	...	...
409	Queen and Bamboo Mines, No. 2	...	...	...	...	...

Ore Milled, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

Gold Yield. ozs. dwts. grs.	TOTAL GOLD PRODUCTION.						Mint Value of Gold per Ounce.								
	Ounces from Unknown Tons.	Dolled and Specimens. ozs. dwts. grs.	Ore Treated. tons cwt. qrs. lbs.				Gold Yield. ozs. dwts. grs.			Average. ozs. dwts. grs.			£	s.	d.
...	2082	...	1200	10	0	0	1217	18	9	1	0	6	3	5	0
...	66	0	0	0	149	12	0	2	5	8			
...	50	0	0	0	30	0	0	0	12	0	3	5	0
...	265	0	0	0	549	5	0	2	1	10			
...	14	10	0	0	16	13	0	1	2	23			
...	9	10	0	0	12	6	0	1	5	21	3	15	0
...	51	0	0	0	32	19	0	0	12	22			
...	19	0	0	0	21	16	0	1	2	22			
...	10	10	0	0	8	3	0	0	15	12			
...	1093	10	0	0	945	3	0	0	17	6			
45 0 0	55	0	0	0	46	8	0	0	16	20			
...	91	0	0	0	137	0	0	1	10	2			
...	86	0	0	0	193	0	0	2	4	21			
957 0 0	367	0	0	0	957	0	0	2	12	3			
1827 0 0	1273	0	0	0	1894	0	0	1	9	18			
...	1	0	0	0	260	0	0	...	...	...	2	15	0
...	29	0	0	0	43	18	10	1	10	6			
...	91	0	0	0	94	0	9	1	0	15	3	12	6
...	8	10	0	0	17	0	0	0	2	0			
9219 0 0	3810	4	0	0	9819	7	6	2	11	13	3	5	0
19 0 0	115	10	0	0	134	14	20	1	3	7			
456 0 0	96	0	0	0	456	0	0	4	15	0			
...	5	0	0	0	28	18	15	5	15	18			
36 0 0	30	0	0	0	90	0	0	3	0	0			
...	56	0	0	0	112	0	0	2	0	0			
...	26	10	0	0	33	0	0	1	4	21			
340 0 0	292	10	0	0	360	6	0	1	4	15			
12899 0 0	2082	...	9212	14	0	0	17660	8	21	1	18	8			

OF MARBLE BAR).

THIRD QUARTER OF 1897.															
Ore Milled.		Dolled and Specimens.	Concentrates.		Tailings.		Ore Smelted.		Ore Milled.						
tons cwt. qrs. lbs.	ozs. dwts. grs.	oz. dwt. gr.	tons.	ozs.	tons.	ozs.	tons.	ozs.	tons cwt. qrs. lbs.	ozs. dwts. grs.	ozs. dwts. grs.				
...	150	0	0	0	222	0	0
...
...
...
...
...
...
...	150	0	0	0	222	0	0

OF MARBLE BAR)—continued.

FOURTH QUARTER OF 1897—continued.						TOTALS FOR 1897.										
Ore Smelted.		Ore Milled.				Dolled and Specimens.	Ore Treated.		Gold Yield.							
tons cwt. qrs. lbs.	ozs. dwts. grs.	tons cwt. qrs. lbs.	ozs. dwts. grs.	tons cwt. qrs. lbs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwt. qrs. lbs.	ozs. dwts. grs.	ozs. dwts. grs.	ozs. dwts. grs.						
...	...	361	10	0	0	547	0	0	...	511	10	0	0	769	0	0
...	...	34	10	0	0	50	11	0	...	34	10	0	0	50	11	0
...
...	...	142	0	0	0	353	0	0	...	142	0	0	0	353	0	0
...
...
...
...
...	...	538	0	0	0	950	11	0	...	688	0	0	0	1172	11	0

Pilbarra

BAMBOO CREEK (SUB-DISTRICT)

Official Numbers of Leases.	Name of Lease.	Name of Company	TOTALS PREVIOUS TO 1897.		
			Ounces from Unknown Tons.	Dollied and Specimens. ozs. dwts. grs.	Ore Treated. tons cwt. qrs. lbs.
Amalgamated Leases 193, 161	...	Bamboo Con. G.M. Co.	...	...	832 0 0 0
462	Federation	...	...	...	...
171	Hidden Treasure	Pilbarra Syndicate, Limited	...	...	60 0 0 0
46, 49	...	Mount Prophecy and Perseverance G.Ms., Ltd.	...	...	925 0 0 0
119	Nil Desperandum	...	...	...	28 0 0 0
187	No. 1 Timbuctoo	Proprietary Bamboo Creek	...	...	640 0 0 0
71	Tasmanian	G.M. Co.	...	...	671 0 0 0
76, 406, 407, 408	...	Pilbarra Goldfields, Limited	...	...	829 0 0 0
432	Premier	...	...	...	40 0 0 0
409	Queen and Bamboo Mines, No. 2	...	...	...	1170 0 0 0
					5195 0 0 0

NULLAGINE

Official Numbers of Leases.	Name of Lease.	Name of Company.	FIRST HALF OF 1897.				
			Dollied and Specimens. oz. dwt. gr.	Concentrates.		Tailings.	
				tons.	ozs. dwts. grs.	tons.	ozs. dwts. grs.
71L	Alexandra	...	...	...	...	...	...
16L	Barney's Hill United	...	...	...	...	...	...
24L	Barney's Hill No. 1 North	...	...	...	...	...	...
P.A. 22L	...	...	...	...	...	...	...
17L	Day Dawn	...	...	...	...	...	...
Quartz Claim 34L	Dromedary Queen	...	...	...	...	...	...
65L	Fisher's Reward	...	...	...	...	...	...
31L	Golden Crown	...	...	...	...	...	...
67L	Golden Promise No. 1	...	...	...	...	...	...
59L	Great Eastern	...	...	...	...	...	...
27L	Success	N.W. Australian Goldfields, Limited	...	...	...	...	...
2L	Trinity	Do. do. do.	...	...	...	...	...
57L	Sunrise No. 1	...	...	...	...	...	...
42L	Victory	...	...	...	...	...	...
51L	Victory Extended	...	...	...	...	...	...
56L	Victory East Extended	...	...	...	...	...	...
...	Other small parcels from various mines	...	...	...	...	...	...

NULLAGINE

Official Numbers of Leases.	Name of Lease.	Name of Company.	FOURTH QUARTER OF 1897.				
			Dollied and Specimens. oz. dwt. gr.	Concentrates.		Tailings.	
				tons.	ozs. dwts. grs.	tons.	ozs. dwts. grs.
71L	Alexandra	...	...	...	...	...	...
16L	Barney's Hill United	...	...	...	...	...	...
24L	Barney's Hill No. 1 North	...	...	...	...	...	...
P.A. 22L	...	...	...	...	...	...	...
17L	Day Dawn	...	...	...	...	...	...
Quartz Claim 34L	Dromedary Queen	...	...	...	...	...	...
65L	Fisher's Reward	...	...	...	...	...	...
31L	Golden Crown	...	...	...	...	...	...
67L	Golden Promise No. 1	...	...	...	...	...	...
59L	Great Eastern	...	...	...	...	...	...
27L	Success	N.W. Australian Goldfields, Limited	...	...	...	...	...
2L	Trinity	Do. do. do.	...	...	...	...	...
57L	Sunrise No. 1	...	...	...	...	...	...
42L	Victory	...	...	...	...	...	...
51L	Victory Extended	...	...	...	...	...	...
56L	Victory East Extended	...	...	...	...	...	...
...	Other small parcels from various mines	...	...	...	...	...	...

Ore Milled, etc.—continued.

Goldfield—continued.

OF MARBLE BAR)—continued.

Gold Yield. ozs. dwts. grs.	TOTAL GOLD PRODUCTION.						Mint Value of Gold per Ounce.						
	Ounces from Unknown Tons.	Dollied and Specimens. ozs. dwts. grs.	Ore Treated.			Gold Yield.		Average.					
			tons	cwt.	qrs. lbs.	ozs.	dwts.	grs.	ozs.	dwts.	grs.		
2084 0 0	1343	10	0 0	2853	0 0	2	2	11	3	17	6
...	34	10	0 0	50	11 0	1	9	8	3	15	0
85 0 0	60	0	0 0	85	0 0	1	8	8	3	3	0
2350 0 0	1067	0	0 0	2703	0 0	2	1	15	3	3	0
28 6 0	28	0	0 0	28	6 0	1	0	5			
1419 0 0	640	0	0 0	1419	0 0	2	4	8			
1852 0 0	671	0	0 0	1852	0 0	2	15	4			
1948 0 0	829	0	0 0	1948	0 0	2	6	23			
88 0 0	40	0	0 0	88	0 0	2	0	4			
2231 0 0	1170	0	0 0	2231	0 0	1	18	3			
12085 6 0			5883	0	0 0	13257	17 0	2	5	1			

DISTRICT.

THIRD QUARTER OF 1897.												
Ore Milled.		Dollied and Specimens. oz. dwt. gr.	Concentrates.		Tailings.		Ore Smelted.		Ore Milled.			
tons cwt. qrs. lbs.	ozs. dwts. grs.		tons.	ozs.	tons.	ozs.	tons.	ozs.	tons cwt. qrs. lbs.	ozs. dwts. grs.		
...	...	...	...	...	...	...	...	...	21	0 0 0	52	10 0
122 0 0 0	105 18 0	...	...	...	...	...	...	...	124	0 0 0	122	2 0
...	...	...	...	...	...	...	...	...	15	0 0 0	30	1 0
...	...	...	...	...	...	...	...	...	22	0 0 0	30	1 0
...	...	...	...	...	...	...	...	...	20	0 0 0	56	12 10
...
...
46 0 0 0	83 12 0	...	...	...	...	...	...	...	...	...	...	...
22 0 0 0	63 0 0	...	...	...	...	...	...	...	...	...	...	...
32 0 0 0	144 0 0	...	...	...	...	...	...	...	10	0 0 0	51	5 0
63 0 0 0	83 11 0	...	...	...	...	...	...	...	...	...	...	...
285 0 0 0	480 1 0	...	...	...	...	...	...	...	212	0 0 0	342	11 10

DISTRICT—continued.

FOURTH QUARTER OF 1897—continued.				TOTALS FOR 1897.				
Ore Smelted.		Ore Milled.		Dollied and Specimens. ozs. dwts. grs.	Ore Treated. tons cwt. qrs. lbs.	Gold Yield.		
tons cwt. qrs. lbs.	ozs. dwts. grs.	tons cwt. qrs. lbs.	ozs. dwts. grs.			ozs.	dwts. grs.	
...	21	0 0 0	52	10 0
...	246	0 0 0	228	0 0
...	15	0 0 0	30	1 0
...	22	0 0 0	30	1 0
...	20	0 0 0	56	12 10
...	...	84	0 0 0	68	13	0	68	13 0
...
...
...	46	0 0 0	83	12 0
...	22	0 0 0	63	0 0
...	42	0 0 0	195	5 0
...	63	0 0 0	83	11 0
...	...	84	0 0 0	68	13	0	581	0 0 0
...	891	5 10

Pilbarra

NULLAGINE

Official Numbers of Leases.	Name of Lease.	Name of Company.	TOTALS PREVIOUS TO 1897.		
			Ounces from Unknown Tons.	Dollied and Specimens. ozs. dwts. grs.	Ore Treated. tons cwt. qrs. lbs.
71L	Alexandra ... ..	...	...	...	...
16L	Barney's Hill United ... ..	...	...	...	80 0 0 0
24L	Barney's Hill No. 1 North ... ..	...	...	...	20 0 0 0
P.A., 22L ... ..	...	...	...	...	...
17L	Day Dawn ... ..	...	...	...	174 0 0 0
Quartz Claim 34L	Dromedary Queen ... ..	...	...	...	...
65L	Fisher's Reward ... ..	...	...	...	...
31L	Golden Crown ... ..	...	...	...	32 12 0 0
67L	Golden Promise No. 1 ... ..	...	...	...	...
59L	Great Eastern ... ..	...	...	...	20 0 0 0
27L	Success	N.W. Australian Goldfields, Limited	...	...	32 0 0 0
2L	Trinity	Do. do. do.	...	...	109 0 0 0
57L	Sunrise No. 1 ... ..	...	...	...	28 0 0 0
42L	Victory ... ..	...	...	...	75 0 0 0
51L	Victory Extended ... ..	...	...	...	...
56L	Victory East Extended ... ..	...	...	...	12 10 0 0
	Other small parcels from various mines	...	...	...	...
					583 2 0 0

West Pilbarra

ROEBOURNE

Official Numbers of Leases.	Name of Lease.	Name of Company.	FIRST HALF OF 1897.				
			Dollied and Specimens. oz. dwt. gr.	Concentrates.		Tailings.	
				tons.	ozs. dwts. grs.	tons.	ozs. dwts. grs.
36	Yellow Aster... ..	Consolidated G.Ms. of W.A., Limited.	...	...	...	...	...
87	Day Dawn ... ..	...	...	...	...	...	...
101	Diamond Jubilee ... ..	...	...	...	...	...	...
94	Eureka ... ..	...	...	...	...	...	...
74 R.C., No. 5	Herman's R.C., now Roebourne Star	...	...	...	...	...	...
33, now 102	Towranna	Towranna G.M's. of W.A., Ltd.	...	...	...	...	...
49, now 103	Towranna Queen	Do.	...	...	...	...	...

ROEBOURNE

Official Numbers of Leases.	Name of Lease.	Name of Company.	FOURTH QUARTER OF 1897				
			Dollied and Specimens. oz. dwt. gr.	Concentrates.		Tailings.	
				tons.	ozs. dwts. grs.	tons.	ozs. dwts. grs.
36	Yellow Aster	Consolidated G.Ms. of W.A., Limited.	...	...	...	...	...
87	Day Dawn ... ..	...	...	...	...	...	...
101	Diamond Jubilee ... ..	...	...	...	...	...	...
94	Eureka ... ..	...	...	...	...	...	...
74 R.C., No. 5	Herman's R.C., now Roebourne Star	...	...	...	...	...	...
33, now 102	Towranna	Towranna G.Ms. of W.A., Ltd.	...	...	...	...	...
49, now 103	Towranna Queen	Do.	...	...	...	...	...

ROEBOURNE

Official Numbers of Leases.	Name of Lease.	Name of Company.	TOTALS PREVIOUS TO 1897.		
			Ounces from Unknown Tons.	Dollied and Specimens. ozs. dwts. grs.	Ore Treated. tons cwt. qrs. lbs.
36	Yellow Aster	Consolidated G.Ms. of W.A., Limited.	...	...	...
87	Day Dawn ... ..	...	...	...	...
101	Diamond Jubilee ... ..	...	...	...	...
94	Eureka ... ..	...	...	...	...
74 R.C., No. 5	Herman's R.C., now Roebourne Star	...	...	...	...
33, now 102	Towranna	Towranna G.Ms. of W.A., Ltd.	...	...	...
49, now 103	Towranna Queen	Do.	...	...	...

Ore Milled, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

Gold Yield. ozs. dwts. grs.	TOTAL GOLD PRODUCTION.						Mint Value of Gold per Ounce.								
	Ounces from Unknown Tons.	Dollied and Specimens. ozs. dwts. grs.	Ore Treated.			Gold Yield.			Average.						
			tons	cwt.	qrs. lbs.	ozs.	dwts.	grs.	ozs.	dwts.	grs.	£	s.	d.	
...	...	...	21	0	0	0	52	10	0	2	10	0	3	18	0
100	3	0	326	0	0	0	328	3	0	1	0	3			
25	0	0	20	0	0	0	25	0	0	1	5	0			
...	...	...	15	0	0	0	30	1	0	2	0	1			
600	0	0	174	0	0	0	600	0	0	3	8	23			
...	...	...	22	0	0	0	30	1	0	1	7	7			
...	...	...	20	0	0	0	56	12	10	2	16	14			
50	18	0	32	12	0	0	50	18	0	1	11	5			
...	...	...	84	0	0	0	68	13	0	0	16	8	3	17	6
33	16	0	20	0	0	0	33	16	0	1	13	19			
43	0	0	32	0	0	0	43	0	0	1	6	21			
...			
147	0	0	109	0	0	0	147	0	0	1	6	23			
14	0	0	28	0	0	0	14	0	0	0	10	10			
337	10	0	121	0	0	0	421	2	0	3	9	18			
...	...	...	22	0	0	0	63	0	0	2	17	6			
50	18	0	54	10	0	0	246	3	0	4	10	7	3	17	0
...	...	...	63	0	0	0	83	11	0	1	6	12			
1402	5	0	1164	2	0	0	2293	10	10	1	19	9			

Goldfield.

DISTRICT.

THIRD QUARTER OF 1897.													
Ore Milled.		Dollied and Specimens. oz. dwts. gr.	Concentrates.		Tailings.		Ore Smelted.		Ore Milled.				
tons	cwt. qrs. lbs.		tons.	ozs.	tons.	ozs.	tons.	ozs.	tons	cwt. qrs. lbs.	ozs. dwts. grs.		
166	0 0 0	182	0 0	...	...	...	...	...	...	170	0 0 0	158	7 8
10	0 0 0	8	14 4	...	...	...	...	...	...	10	0 0 0	8	12 9
...	...	...	...	...	...	...	...	...	...	11	0 0 0	8	4 18
0	18 0 0	15	0 0	...	...	...	...	...	...	...	...	...	...
4	0 0 0	61	0 0	...	...	...	...	...	...	4	9 0 0	39	10 0
...	...	...	...	...	...	...	...	...	...	35	0 0 0	26	0 0
13	0 0 0	10	5 7	...	...	...	...	...	...	18	0 0 0	15	10 0
193	18 0 0	276	19 11	...	...	...	...	...	...	248	9 0 0	256	4 11

DISTRICT—continued.

FOURTH QUARTER OF 1897—continued.				TOTALS FOR 1897.				
Ore Smelted.		Ore Milled.		Dollied and Specimens. ozs. dwts. grs.	Ore Treated. tons cwt. qrs. lbs.	Gold Yield. oz. dwts. grs.		
tons	cwt. qrs. lbs.	tons	cwt. qrs. lbs.					
...	...	124	0 0 0	...	460	0 0 0	498	7 8
...	20	0 0 0	17	6 13
...	11	0 0 0	8	4 18
...	...	10	0 0 0	...	10	18 0 0	125	0 0
...	8	9 0 0	100	10 0
...	...	12	10 0 0	...	47	10 0 0	52	0 0
...	31	0 0 0	25	15 7
...	...	146	10 0 0	...	588	17 0 0	827	3 22

DISTRICT—continued.

TOTAL GOLD PRODUCTION.							Mint Value of Gold per Ounce.								
Gold Yield. ozs. dwts. grs.	Ounces from Unknown Tons.	Dollied and Specimens. ozs. dwts. grs.	Ore Treated.			Gold Yield.			Average.						
			tons	cwt.	qrs. lbs.	ozs.	dwts.	grs.	ozs.	dwts.	grs.	£	s.	d.	
...	460	0	0	0	498	7	8	1	1	16	3	16	10
...	20	0	0	0	17	6	13	0	17	19			
...	11	0	0	0	8	4	18	0	15	21			
...	10	18	0	0	125	0	0	...	...	...	3	6	8
...	8	9	0	0	100	10	0	...	...	...
...	47	10	0	0	52	0	0	1	1	21	3	10	0
...	31	0	0	0	25	15	7	0	16	14			
...	588	17	0	0	827	3	22	1	8	2			

West Pilbarra

MALLINA (SUB DISTRICT)

Official Numbers of Leases.	Name of Lease.	Name of Company.	FIRST HALF OF 1897.				
			Dollied and Specimens. oz. dwt. gr.	Concentrates.		Tailings.	
				tons.	ozs. dwts. grs.	tons.	ozs. dwts. grs.
82	Britannia ... ..	... ..	...	...	...	...	...
73	Break o' Morn ... ..	... ..	...	...	...	...	...
79	John Bull ... ..	... ..	...	...	...	...	...
28, 46... ..	Pioneer Group ... ..	... ..	...	...	...	...	...
45	Queen Mab ... ..	... ..	...	...	...	...	...
18	Stray Shot ... ..	... ..	...	...	...	...	...

MALLINA (SUB-DISTRICT)

Official Numbers of Leases.	Name of Lease.	Name of Company.	FOURTH QUARTER OF 1897.				
			Dollied and Specimens. oz. dwt. gr.	Concentrates.		Tailings.	
				tons.	ozs. dwts. grs.	tons.	ozs. dwts. grs.
82	Britannia ... ..	... ..	...	...	...	...	...
73	Break o' Morn ... ..	... ..	...	...	...	...	...
79	John Bull ... ..	... ..	...	...	...	...	...
28, 46... ..	Pioneer Group ... ..	... ..	...	...	...	...	...
45	Queen Mab ... ..	... ..	...	...	...	...	...
18	Stray Shot ... ..	... ..	...	...	...	...	...

MALLINA (SUB-DISTRICT)

Official Numbers of Leases.	Name of Lease.	Name of Company.	TOTALS PREVIOUS TO 1897.		
			Ounces from Unknown Tons.	Dollied and Specimens. ozs. dwts. grs.	Ore Treated.
					tons cwt. grs. lbs.
82	Britannia ... ..	... ..	...	...	5 0 0 0
73	Break o' Morn ... ..	... ..	...	...	16 0 0 0
79	John Bull ... ..	... ..	...	...	15 0 0 0
28, 46... ..	Pioneer Group ... ..	... ..	...	...	24 0 0 0
45	Queen Mab ... ..	... ..	...	...	100 0 0 0
18	Stray Shot ... ..	... ..	...	...	...
					160 0 0 0

Ashburton

MOUNT MORTIMER

Official Numbers of Leases.	Name of Lease.	Name of Company.	FIRST HALF OF 1897.				
			Dollied and Specimens. oz. dwt. gr.	Concentrates.		Tailings.	
				tons.	ozs. dwts. grs.	tons.	ozs. dwts. grs.
	Reward Claim No. 2 ...	... ..	...	...	...	...	...
	Reward Claim No. 14 ...	... ..	...	...	...	...	...
	Quartz Claim No. 17 ...	... ..	...	...	...	...	...
	Reward Claim No. 16 ...	... ..	...	...	...	...	...
	From Alluvial Claims ...	... ..	...	...	...	...	...

MOUNT MORTIMER

Official Numbers of Leases.	Name of Lease.	Name of Company.	FOURTH QUARTER OF 1897.				
			Dollied and Specimens. oz. dwt. gr.	Concentrates.		Tailings.	
				tons.	ozs. dwts. grs.	tons.	ozs. dwts. grs.
	Reward Claim No. 2 ...	... ..	...	...	...	...
	Reward Claim No. 14 ...	... ..	...	...	...	...
	Quartz Claim No. 17 ...	... ..	...	...	...	...
	Reward Claim No. 16 ...	... ..	*50 0 0	...	...	...
	From Alluvial Claims ...	... ..	50 0 0	...	...	...
		... ..	105 19 0	...	...	...

* Dollied.

Ore Milled, etc.—continued.

Goldfield—continued.

OF ROEBOURNE).

THIRD QUARTER OF 1897.																		
Ore Milled.				Dollied and Specimens. oz. dwt. gr.	Concentrates.		Tailings.		Ore Smelted.		Ore Milled.							
tons	cwt.	qrs.	lbs.		ozs.	dwt.	grs.	tons.	ozs.	tons.	ozs.	tons.	cwt.	qrs.	lbs.	ozs.	dwt.	grs.
...
...
...
20	0	0	0	32	17	12	...	...	...	...	...	...	...	...	...	...	...	...
20	0	0	0	32	17	12	...	...	...	...	...	...	...	...	...	...	...	...

OF ROEBOURNE)—continued.

FOURTH QUARTER OF 1897—continued.								TOTALS FOR 1897.							
Ore Smelted.				Ore Milled.				Dollied and Specimens. ozs. dwt. grs.	Ore Treated.		Gold Yield.				
tons	cwt.	qrs.	lbs.	ozs.	dwt.	grs.	tons		cwt.	qrs.	lbs.	ozs.	dwt.	grs.	
...		
...		
...		
...		
...	20	0	0	0	32	17	12
...	20	0	0	0	32	17	12

OF ROEBOURNE)—continued.

TOTAL GOLD PRODUCTION.								Mint Value of Gold per Ounce.						
Gold Yield. ozs. dwt. grs.	Ounces from Unknown Tons.	Dollied and Specimens. ozs. dwt. grs.	Ore Treated.			Gold Yield.		Average.		£	s.	d.		
			tons	cwt.	qrs.	lbs.	ozs.	dwt.	grs.				ozs.	dwt.	grs.
17	2	0	...	...	5	0	0	0	17	2	0	3	8	9
26	16	0	...	...	16	0	0	0	26	16	0	1	13	12
227	0	0	...	...	15	0	0	0	227	0	0	15	2	16
35	0	0	...	...	24	0	0	0	35	0	0	1	9	4
32	0	0	...	...	100	0	0	0	32	0	0	0	6	9
...	...	...	...	...	20	0	0	0	32	17	12	1	12	21
337	18	0	...	...	180	0	0	0	370	15	12	2	1	4

Goldfield.

DISTRICT.

THIRD QUARTER OF 1897.																	
Ore Milled.				Dollied and Specimens. oz. dwt. gr.	Concentrates.		Tailings.		Ore Smelted.		Ore Milled.						
tons	cwt.	qrs.	lbs.		ozs.	dwt.	grs.	tons.	ozs.	tons.	ozs.	tons.	cwt.	qrs.	lbs.	ozs.	dwt.	grs.
...	*130	0	0	...	...	...	...	...	...	...	...	...	...	...
...	*16	0	0	...	...	...	...	...	...	...	...	...	...	...
...	*1	0	0	...	...	...	...	...	...	...	...	...	...	...
...
...	147	0	0	...	...	...	...	...	...	...	...	...	...	...

DISTRICT—continued.

FOURTH QUARTER OF 1897—continued.								TOTALS FOR 1897.					
Ore Smelted.				Ore Milled.				Dollied and Specimens. ozs. dwt. grs.	Ore Treated.		Gold Yield.		
tons	cwt.	qrs.	lbs.	ozs.	dwt.	grs.	tons		cwt.	qrs.	lbs.	ozs.	dwt.	grs.
...
...	130	0	0	...	...	...
...	16	0	0	...	...	...
...	1	0	0	...	...	...
...	50	0	0	...	...	...
...	197	0	0	...	...	...
...	105	19	0	...	...	...

* Dollied.

TABLE No. II.—Return of
Ashburton

MOUNT MORTIMER

Official Numbers of Leases.	Name of Lease.	Name of Company	TOTALS PREVIOUS TO 1897.		
			Ounces from Unknown Tons.	Dollied and Specimens. ozs. dwts. grs.	Ore Treated. tons cwt. qrs. lbs.
	Reward Claim-No. 2 ...	...	...	...	...
	Reward Claim No. 14 ...	...	...	...	...
	Quartz Claim No. 17 ...	...	...	...	...
	Reward Claim No. 16 ...	...	...	...	...
	From Alluvial Claims ...	...	...	...	...

Gascoyne

BANGEMALL

Official Numbers of Leases.	Name of Lease.	Name of Company.	FIRST HALF OF 1897.				
			Dollied and Specimens. oz. dwt. gr.	Concentrates.		Tailings.	
				tons.	ozs. dwts. grs.	tons.	ozs. dwts. grs.
1 ...	Carnarvon Gem ...	...	...	...	...	...	...

BANGEMALL

Official Numbers of Leases.	Name of Lease.	Name of Company.	FOURTH QUARTER OF 1897.				
			Dollied and Specimens. oz. dwt. gr.	Concentrates.		Tailings.	
				tons.	ozs. dwts. grs.	tons.	ozs. dwts. grs.
1 ...	Carnarvon Gem ...	...	...	...	...	...	...

BANGEMALL

Official Numbers of Leases.	Name of Lease.	Name of Company.	TOTALS PREVIOUS TO 1897.		
			Ounces from Unknown Tons.	Dollied and Specimens. ozs. dwts. grs.	Ore Treated. tons cwt. qrs. lbs.
1 ...	Carnarvon Gem ...	...	...	...	...

Peak Hill

PEAK HILL

Official Numbers of Leases.	Name of Lease.	Name of Company.	FIRST HALF OF 1897.				
			Dollied and Specimens. oz. dwt. gr.	Concentrates.		Tailings.	
				tons.	ozs. dwts. grs.	tons.	ozs. dwts. grs.
44P ...	Brilliant ...	...	...	...	...	...
45P ...	Brilliant Central ...	...	...	...	...	...
49P ...	Brilliant Central Extended ...	...	...	...	...	...
73P includes 10P ...	Christmas Gift ...	...	...	...	...	...
55P ...	Golden Treasure ...	...	...	...	...	...
56P ...	Golden Treasure East ...	...	...	...	...	...
59P ...	The Jubilee ...	...	...	...	...	...
		Ore ...	...	...	...	...
1P, 2P, 3P, 4P, 5P, 6P, 8P, 9P, 13P, 15P, 16P, 19P, 26P, 27P, 28P, 29P, 35P, 36P, 48P, 53P, 54P, 82P }	...	Peak Hill Goldfield, Ltd. †	...	...	...	...
		Cement ...	...	...	...	...

* Dollied.

† Totals amended by manager since last publication of statistics.

Ore Milled, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

Gold Yield. ozs. dwts. grs.	TOTAL GOLD PRODUCTION.					Mint Value of Gold per Ounce.	
	Ounces from Unknown Tons.	Dollied and Specimens. ozs. dwts. grs.	Ore Treated. tons cwt. qrs. lbs.	Gold Yield. ozs. dwts. grs.	Average. ozs. dwts. grs.	£	s. d.
...	...	130 0 0					
...	...	16 0 0					
...	...	1 0 0					
...	...	50 0 0					
...	...	197 0 0					
...	...	105 19 0					

Goldfield.

DISTRICT.

THIRD QUARTER OF 1897.											
Ore Milled.		Dollied and Specimens. oz. dwt. gr.	Concentrates.		Tailings.		Ore Smelted.		Ore Milled.		
tons cwt. qrs. lbs.	ozs. dwts. grs.		tons.	ozs.	tons.	ozs.	tons.	ozs.	tons cwt. qrs. lbs.	ozs. dwts. grs.	ozs. dwts. grs.
1 7 0 0	6 15 0	*6 16 0	...	...	...	...	...	...	...	...	...
1 7 0 0	6 15 0	6 16 0									

DISTRICT—continued.

FOURTH QUARTER OF 1897—continued.						TOTALS FOR 1897.					
Ore Smelted.		Ore Milled.				Dollied and Specimens. ozs. dwts. grs.	Ore Treated.		Gold Yield.		
tons cwt. qrs. lbs.	ozs. dwts. grs.	tons cwt. qrs. lbs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwt. qrs. lbs.		ozs. dwts. grs.	ozs. dwts. grs.	ozs. dwts. grs.		
...	6 16 0	1 7 0 0	6 15 0	...		
...	6 16 0	1 7 0 0	6 15 0	...		

DISTRICT—continued.

TOTAL GOLD PRODUCTION.							Mint Value of Gold per Ounce.	
Gold Yield. ozs. dwts. grs.	Ounces from Unknown Tons.	Dollied and Specimens. ozs. dwts. grs.	Ore Treated. tons cwt. qrs. lbs.	Gold Yield. ozs. dwts. grs.	Average. ozs. dwts. grs.	£	s.	d.
...	...	6 16 0	1 7 0 0	6 15 0	5 0 0			
...	...	6 16 0	1 7 0 0	6 16 0				

Goldfield.

DISTRICT.

THIRD QUARTER OF 1897.											
Ore Milled.		Dollied and Specimens. oz. dwt. gr.	Concentrates.		Tailings.		Ore Smelted.		Ore Milled.		
tons cwt. qrs. lbs.	ozs. dwts. grs.		tons.	ozs.	tons.	ozs.	tons.	ozs.	tons cwt. qrs. lbs.	ozs. dwts. grs.	ozs. dwts. grs.
...	...	*30 0 0	...	...	...	...	...	...	...	...	...
...	...	*302 5 0	...	...	...	...	...	...	...	...	...
...
...	36 0 0 0	218 0 0	...
...
...	57 0 0 0	92 0 0	...
†	†	†1226 10 0 0	7495 11 3	...
...
†	†	†1064 0 0 0	903 4 0	...
...	...	332 5 0	...	...	...	...	...	...	2383 10 0 0	8708 15 3	...

* Dollied.

† First half and third quarter of 1897.

Peak Hill

PEAK HILL

Official Numbers of Leases.	Name of Lease.	Name of Company	FOURTH QUARTER OF 1897.				
			Dollied and Specimens. oz. dwt. gr.	Concentrates.		Tailings.	
				tons.	ozs. dwts. grs.	tons.	ozs. dwts. grs.
44P	Brilliant ... ..	...	*14 0 0	...	...	...	...
45P	Brilliant Central ... ..	...	...	...	...	...	14 0 0
49P	Brilliant Central Ex- tended	...	*52 10 0	...	...	...	...
73P includes 10P ...	Christmas Gift ... ..	...	...	...	...	...	...
55P	Golden Treasure ... ..	...	...	...	...	...	...
56P	Golden Treasure East... ..	...	...	...	...	...	...
59P	The Jubilee ... ..	...	...	...	...	...	...
1P, 2P, 3P, 4P, 5P, 6P, 8P, 9P, 13P, 15P, 16P, 19P, 26P, 27P, 28P, 29P, 35P, 36P, 48P, 53P, 54P, 82P.	...	Peak Hill Goldfield, Ltd. † Cement ... ..	...	...	...	...	...
			66 10 0				14 0 0

PEAK HILL

Official Numbers of Leases.	Name of Lease.	Name of Company	TOTALS PREVIOUS TO 1897.		
			Ounces from Unknown Tons.	Dollied and Specimens. ozs. dwts. grs.	Ore Treated. tons cwt. qrs. lbs.
44P	Brilliant ... ..	...	...	...	...
45P	Brilliant Central ... ..	...	...	...	...
49P	Brilliant Central Ex- tended	...	...	...	...
73P includes 10P ...	Christmas Gift ... ..	...	...	...	82 0 0 0
55P	Golden Treasure ... ..	...	...	...	...
56P	Golden Treasure East... ..	...	...	...	...
59P	The Jubilee ... ..	...	...	...	...
1P, 2P, 3P, 4P, 5P, 6P, 8P, 9P, 13P, 15P, 16P, 19P, 26P, 27P, 28P, 29P, 35P, 36P, 48P, 53P, 54P, 82P.	...	Ore Peak Hill Goldfield, Ltd. † Cement ... ..	...	...	961 17 0 0
			4551 11 23	...	...
			4551 11 23	...	1043 17 0 0

East Murchison

LAWLERS

Official Numbers of Leases.	Name of Lease.	Name of Company.	FIRST HALF OF 1897.				
			Dollied and Specimens. oz. dwt. gr.	Concentrates.		Tailings.	
				tons.	ozs. dwts. grs.	tons.	ozs. dwts. grs.
24 ... ..	...	Belle Vue Proprietary ... ..	...	...	...	...
155 ... ..	...	East Murchison United, Ltd.	...	...	...	...
169	Dark Horse ... ..	...	...	...	...	...
316	Essex Gold Mine ... ..	...	...	...	...	...
311	Golden Age North No. 1 ... ..	...	...	...	...	...
251	International ... ..	...	...	...	...	...
177 ... ..	...	Kinambla Wealth of Nations ... ..	...	...	...	...
191	Lake Way East ... ..	...	...	...	...	...
314	The Lawless ... ..	...	...	...	...	...
273	St. George ... ..	...	* 183	...	...	...
			183	...	...	...
From Alluvial Claims...			...	...	...	...

LAWLERS

Official Numbers of Leases.	Name of Lease.	Name of Company	FOURTH QUARTER OF 1897.				
			Dollied and Specimens. oz. dwt. gr.	Concentrates.		Tailings.	
				tons.	ozs. dwts. grs.	tons.	ozs. dwts. grs.
24 ... ..	...	Belle Vue Proprietary ... ..	...	...	...	...
155 ... ..	...	East Murchison United, Ltd.	...	...	...	...
169	Dark Horse ... ..	...	...	...	...	...
316	Essex Gold Mine ... ..	...	...	...	...	...
311	Golden Age North No. 1 ... ..	...	...	...	...	...
251	International ... ..	...	...	...	...	...
177 ... ..	...	Kinambla Wealth of Nations ... ..	...	...	...	...
191	Lake Way East ... ..	...	...	...	...	...
314	The Lawless ... ..	...	*56 0 0	...	...	...
273	St. George ... ..	...	*23 0 0	...	...	...
			79 0 0	...	...	...
From Alluvial Claims ...			347 14 20	...	...	...

* Dollied.

† Totals amended by Manager since last publication of statistics.

Ore Milled, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

FOURTH QUARTER OF 1897—continued.				TOTALS FOR 1897.			
Ore Smelted.		Ore Milled.		Dollied and Specimens. ozs. dwts. grs.	Ore Treated. tons cwt. qrs. lbs.	Gold Yield.	
tons cwt. qrs. lbs.	ozs. dwts. grs.	tons cwt. qrs. lbs.	ozs. dwts. grs.			tons cwt. qrs. lbs.	oz. dwts. grs.
...	44 0 0	...	...	...
...	302 5 0	...	14 0 0	...
...	52 10 0	...	...	...
...	36 0 0 0	218 0 0	...
...	...	11 0 0 0	13 12 0	...	11 0 0 0	13 12 0	...
...	...	9 15 0 0	14 7 0	...	9 15 0 0	14 7 0	...
...	57 0 0 0	92 0 0	...
...	...	447 0 0 0	1733 15 12	...	1673 10 0 0	9229 6 15	...
...	1064 0 0 0	903 4 0	...
...	...	467 15 0 0	1761 14 12	398 15 0	2851 5 0 0	10484 9 15	...

DISTRICT—continued.

Gold Yield. ozs. dwts. grs.	Ounces from Unknown Tons.	Dollied and Specimens. ozs. dwts. grs.	Ore Treated. tons cwt. qrs. lbs.	Gold Yield. ozs. dwts. grs.	Average. ozs. dwts. grs.	Mint Value of Gold per Ounce.	
						£	s. d.
...	...	44 0 0	...	14 0 0	...	4	0 0
...	...	302 5 0	...	...	...	...	...
...	...	52 10 0	...	...	...	...	...
81 0 0	118 0 0 0	299 0 0	2 10 16	...	...
...	11 0 0 0	13 12 0	1 4 17	...	...
...	9 15 0 0	14 7 0	1 0 22	...	...
...	57 0 0 0	92 0 0	1 12 6	...	...
6437 11 4	2635 7 0 0	15666 17 19	5 18 21	...	...
...	4551 11 23	...	1064 0 0 0	903 4 0	0 16 23	4	1 0
6518 11 4	4551 11 23	398 15 0	3895 2 0 0	17003 0 19	4 7 7	...	...

Goldfield.

DISTRICT.

THIRD QUARTER OF 1897.											
Ore Milled.		Dollied and Specimens. oz. dwt. gr.	Concentrates.		Tailings.		Ore Smelted.		Ore Milled.		
tons cwt. qrs. lbs.	ozs. dwts. grs.		tons.	ozs.	tons.	ozs.	tons.	ozs.	tons cwt. qrs. lbs.	ozs. dwts. grs.	
2985 0 0 0	6200 8 20	...	...	...	...	...	...	2745 0 0 0	4605 2 5	...	...
...
...	...	*14 0 0	...	...	...	...	...	4 0 0 0	16 0 0	...	...
...	...	*17 3 8	...	...	...	...	...	...	...	...	...
...	...	*120 0 0	...	...	...	...	...	...	...	...	...
2985 0 0 0	6200 8 20	181 3 8	...	...	...	...	...	2749 0 0 0	4621 2 5	...	...
...	...	273 8 20	...	...	...	...	...	...	...	...	...

DISTRICT—continued.

FOURTH QUARTER OF 1897—continued.				TOTALS FOR 1897.			
Ore Smelted.		Ore Milled.		Dollied and Specimens. ozs. dwts. grs.	Ore Treated. tons cwt. qrs. lbs.	Gold Yield.	
tons cwt. qrs. lbs.	ozs. dwts. grs.	tons cwt. qrs. lbs.	ozs. dwts. grs.			tons cwt. qrs. lbs.	oz. dwts. grs.
...	...	943 0 0 0	1968 9 0	...	943 0 0 0	1968 9 0	...
...	...	2913 0 0 0	4413 0 0	...	8643 0 0 0	15218 11 1	...
...	...	10 0 0 0	107 16 0	...	10 0 0 0	107 16 0	...
...	...	10 0 0 0	32 4 0	...	10 0 0 0	32 4 0	...
...	...	10 0 0 0	62 0 0	44 0 0	10 0 0 0	62 0 0	...
...	...	21 0 0 0	79 14 6	...	25 0 0 0	95 14 6	...
...	...	2112 0 0 0	2441 0 0	...	2112 0 0 0	2441 0 0	...
...	17 3 8	...	...	...
...	...	10 0 0 0	5 0 0	56 0 0	10 0 0 0	5 0 0	...
...	326 0 0	...	...	...
...	...	6029 0 0 0	9109 3 6	443 3 8	11763 0 0 0	19980 14 7	...
...	621 3 16	...	...	...

* Dollied.

TABLE NO. II.—Return of

East Murchison

LAWLERS

Official Numbers of Leases.	Name of Lease.	Name of Company	TOTALS PREVIOUS TO 1897.		
			Ounces from Unknown Tons.	Dollied and Specimens. ozs. dwts. grs.	Ore Treated. tons cwt. grs. lbs.
24	...	Belle Vue Proprietary	...	...	...
155	...	East Murchison United, Ltd.	...	...	1467 0 0 0
169	Dark Horse	...	...	...	...
316	Essex Gold Mine	...	...	...	...
311	Golden Age North No. 1	...	...	...	...
251	International	...	...	...	...
177	...	Kinambra Wealth of Nations	...	...	...
191	Lake Way East	...	...	...	...
314	The Lawless	...	...	...	...
273	St. George	...	...	...	...
					1467 0 0 0
	From Alluvial Claims ...	...	...	...	...

Murchison

NANNINE

Official Numbers of Leases.	Name of Lease.	Name of Company.	FIRST HALF OF 1897.				
			Dollied and Specimens. oz. dwt. gr.	Concentrates.		Tailings.	
				tons.	ozs. dwts. grs.	tons.	ozs. dwts. grs.
171N	Abbott's Mount Vranizan	...	...	...	...	...
84N	Alliance	...	...	...	...	...
8N	Caledonian Extended	...	...	...	...	...
10N, 11N	}	Champion Reef (Nannine, W.A.) Gold Mining Co., Ltd.	...	...	...	...
13N, 17N			...	...	...	...
7N			...	...	...	...
27N	Crown	...	...	...	...	...
199N	Douglas Boulder	...	...	...	...	...
102N	Esmeralda	...	...	...	...	...
48N	Gabanintha	...	...	...	...	...
54N, 55N	Home Rule South, Nos. 1 and 2	...	...	...	...	...
109N	Lady Eva	...	*30 0 0	...	...	...
178N	Lady Maud	...	...	...	...	...
204N	Lake Shore	...	...	...	...	...
31N	Martindale	...	...	...	...	...
129N	Munara	...	...	...	...	...
189N	...	Mt. Yagahong G.M. Co.	...	...	...	...
167N	Queen of the Lake	} Murchison Caledonian Co. ...	...	...	...	...
168N	Caledonian		...	...	...	...
166N	...	Nannine G.M. Co., N.L.	...	...	...	...
169N, 170N, 172N	...	New Murchison King Gold Mines	...	...	...	...
160N	Newhaven	...	*55 8 0	...	...	...
18N	New Year	...	...	...	...	...
175N	...	Nowthana G.M. Co.	...	...	...	...
	Protection Area 68N	...	...	...	...	...
	Do. 69N	...	...	...	...	...
25N	Royalist Consolidated...	...	...	...	...	...
50N	St. Albans	...	...	...	...	...
32N	Tumbulgun	...	...	...	...	...
174N	...	Star of the East G.M. Co.	...	...	...	...
134N	Trilby	...	...	...	...	...
122N	Unity	...	...	...	...	...
		Queen of the Lake Battery Public Crushing	...	...	...	...
			85 8 0				

*Dollied.

Ore Milled, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

Gold Yield. ozs. dwts. grs.	TOTAL GOLD PRODUCTION.						Mint Value of Gold per Ounce.						
	Ounces from Unknown Tons.	Dollied and Specimens. ozs. dwts. grs.	Ore Treated.			Gold Yield.			Average.				
			tons	cwt.	qrs.	lbs.	ozs.	dwts.	grs.	ozs.	dwts.	grs.	
...	943	0	0	0	1968	9	0	2	1	17	...
2576 0 0	10110	0	0	0	17794	11	1	1	15	4	3 16 9
...	10	0	0	0	107	16	0	10	15	14	...
...	10	0	0	0	32	4	0	3	4	9	4 3 4½
...	...	44 0 0	10	0	0	0	62	0	0	6	4	0	...
...	25	0	0	0	95	14	6	3	16	13	4 0 1½
...	2112	0	0	0	2441	0	0	1	3	0	4 0 0
...	...	17 3 8	...	...	...	...	...	...	...	...	...	...	...
...	...	56 0 0	10	0	0	0	5	0	0	0	10	0	...
...	...	326 0 0	...	...	...	...	...	...	...	...	...	...	3 12 6
2576 0 0	...	443 3 8	13230	0	0	0	22506	14	7	1	14	0	...
...	...	621 3 16	...	...	...	...	...	...	...	...	...	...	...

Goldfield.

DISTRICT.

THIRD QUARTER OF 1897.											
Ore Milled.		Dollied and Specimens. oz. dwt. gr.	Concentrates.		Tailings.		Ore Smelted.		Ore Milled.		
tons	cwt. qrs. lbs.		tons.	ozs.	tons.	ozs.	tons.	ozs.	tons	cwt. qrs. lbs.	ozs. dwts. grs.
...
3143	0 0 0	1653 4 12	...	...	...	...	...	...	70	0 0 0	440 0 0
102	0 0 0	178 2 0	...	...	...	...	...	...	3430	0 0 0	1911 0 0
...	...	...	...	...	...	...	...	...	321	0 0 0	309 0 0
...	...	*109 6 12	...	...	...	...	...	...	75	0 0 0	153 12 0
...
...	...	...	...	...	...	...	...	...	117	0 0 0	80 4 0
...	...	*84 6 0	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	27	0 0 0	36 15 0
...	...	...	...	...	...	...	...	...	41	10 0 0	28 9 0
...	...	...	...	...	...	...	...	...	26	0 0 0	32 0 0
200	0 0 0	295 5 0	...	...	...	...	...	...	685	0 0 0	428 13 0
735	0 0 0	348 8 0	...	...	...	...	...	...	450	0 0 0	203 0 0
...	...	...	...	...	...	...	...	...	50	0 0 0	20 6 0
719	0 0 0	743 6 0	...	...	...	...	...	...	...	...	...
...
...	...	...	...	...	...	...	...	...	88	0 0 0	95 10 0
...	...	...	...	...	...	...	...	...	122	0 0 0	43 0 0
...
...	...	...	...	...	...	...	...	...	95	10 0 0	106 11 20
...	...	...	...	...	...	...	...	...	606	10 0 0	255 1 8
...	...	...	...	...	...	...	...	...	335	0 0 0	108 8 0
29	10 0 0	26 11 0	...	...	...	...	...	...	...	...	...
...
4928	10 0 0	3244 16 12	143	12	12	...	...	...	6539	10 0 0	4251 10 4

* Dollied,

Murchison

NANNINE

Official Numbers of Leases.	Name of Lease.	Name of Company	FOURTH QUARTER OF 1897.					
			Dollied and Specimens. oz. dwt. gr.	Concentrates.			Tailings.	
				tons.	ozs.	dwt.	grs.	tons.	ozs. dwt. grs.
171N	Abbott's Mount Vranizan	...	...	...	...	...	...
84N	Alliance	...	...	...	...	...	...
8N	Caledonian Extended	...	...	...	...	...	...
10N, 11N	}	Champion Reef (Nannine, W.A.) Gold Mining Co., Ltd.	...	...	...	...	...
13N, 17N			}	Champion Extended Gold Mining Company
7N
27N	Crown	...	...	...	...	...	...
199N	Douglas Boulder	...	*122	4	0	...	...
102N	Esmeralda	...	...	...	...	...	...
48N	Gabanintha	...	...	...	...	...	...
54N, 55N	Home Rule South, Nos. 1 & 2	...	...	...	...	...	...
109N	Lady Eva	...	*6	11	0	...	...
178N	Lady Maud	...	...	...	...	...	...
204N	Lake Shore	...	...	...	...	...	...
31N	Martindale	...	...	...	...	...	...
129N	Munara	...	...	...	...	...	...
189N	...	Mt. Yagahong G.M. Co.	...	...	...	...	...
167N	Queen of the Lake	} Murchison Caledonian Co.	...	...	...	...	...
168N	Caledonian		...	...	...	...	...
166N	...	Nannine G.M. Co.	...	...	...	...	...
169N, 170N, 172N	...	New Murchison King Gold Mines	...	...	...	...	...
160N	Newhaven	...	*63	11	0	...	...
18N	New Year	...	...	...	...	...	...
175N	...	Nowthana G.M. Co.	...	...	...	...	...
	Protection Area 68N	...	...	...	...	...	...
	Do. 69N	...	...	...	...	...	...
25N	Royalist Consolidated	...	...	...	...	...	...
50N	St. Albans	...	...	...	...	...	...
32N	Tumbulgum	...	...	...	...	...	...
174N	...	Star of the East G.M. Co.	...	...	...	...	...
134N	Trilby	...	...	...	...	...	...
122N	Unity	...	...	...	...	...	...
	...	Queen of the Lake Battery Public Crushing	...	...	...	...	...
			192	6	0			

NANNINE

Official Numbers of Leases.	Name of Lease.	Name of Company	TOTALS PREVIOUS TO 1897.					
			Ounces from Unknown Tons.	Dollied and Specimens. ozs. dwt. grs.	Ore Treated.			
					tons	cwt.	qrs. lbs.	
171N	Abbott's Mount Vranizan	...	...	...	372	0	0	0
84N	Alliance	...	...	...	74	0	0	0
8N	Caledonian Extended	...	...	...	...	...	...	...
10N, 11N	}	Champion Reef (Nannine W.A.) Gold Mining Co., Ltd.	...	...	...	...	...	...
13N, 17N			}	Champion Extended Gold Mining Company	24	0	0
7N
27N	Crown	...	...	...	106	0	0	0
199N	Douglas Boulder	...	...	...	...	...	...	...
102N	Esmeralda	...	...	...	...	...	...	...
48N	Gabanintha	...	...	...	...	...	...	...
54N, 55N	Home Rule South, Nos. 1 & 2	...	...	...	25	0	0	0
109N	Lady Eva	...	...	...	...	...	...	...
178N	Lady Maud	...	...	...	60	0	0	0
204N	Lake Shore	...	...	...	...	...	...	...
31N	Martindale	...	...	...	...	...	...	...
129N	Munara	...	...	...	10	0	0	0
189N	...	Mt. Yagahong G.M. Co.	...	...	342	0	0	0
167N	Queen of the Lake	} Murchison Caledonian Co.	...	...	7374	0	0	0
168N	Caledonian		...	...	...	...	...	...
166N	...	Nannine G.M. Co.	...	...	2187	0	0	0
169N, 170N, 172N	...	New Murchison King Gold Mines	...	...	5	0	0	0
160N	Newhaven	...	...	...	...	...	...	...
18N	New Year	...	...	...	30	0	0	0
175N	...	Nowthana G.M. Co.	...	...	...	...	...	...
	Protection Area 68N	...	...	...	...	...	...	...
	Do. 69N	...	...	...	...	...	...	...
25N	Royalist Consolidated	...	...	...	233	0	0	0
50N	St. Albans	...	...	...	...	...	...	...
32N	Tumbulgum	...	...	...	...	...	...	...
174N	...	Star of the East G.M. Co.	...	...	9888	0	0	0
134N	Trilby	...	...	...	...	...	...	...
122N	Unity	...	...	...	...	...	...	...
	...	Queen of the Lake Battery Public Crushing	...	...	10	0	0	0
					20740	0	0	0

* Dollied.

Ore Milled, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

FOURTH QUARTER OF 1897—continued.				TOTALS FOR 1897.			
Ore Smelted.		Ore Milled.		Dolled and Specimens.	Ore Treated.	Gold Yield.	
tons cwt. qrs. lbs.	ozs. dwts. grs.	tons cwt. qrs. lbs.	ozs. dwts. grs.				
...
...	...	101 0 0 0	134 15 0	...	101 0 0 0	134 15 0	...
...	70 0 0 0	440 0 0	...
...	...	{ 2000 0 0 0	948 0 0	...	8573 0 0 0	4512 4 12	...
...	...	{ 730 0 0 0	175 0 0	...	730 0 0 0	175 0 0	...
...	423 0 0 0	487 2 0	...
...	75 0 0 0	153 12 0	...
...	231 10 12	...	...	...
...	...	16 0 0 0	25 4 0	...	16 0 0 0	25 4 0	...
...	117 0 0 0	80 4 0	...
...
...	70 17 0	...	...	...
...
...	27 0 0 0	36 15 0	...
...	41 10 0 0	28 9 0	...
...	26 0 0 0	32 0 0	...
...	...	{ 111 0 0 0	144 14 0	...	...	...	...
...	...	{ 60 0 0 0	77 0 0	...	1056 0 0 0	945 12 0	...
...	1185 0 0 0	551 8 0	...
...	...	36 0 0 0	28 10 0	...	86 0 0 0	48 16 0	...
...	...	271 0 0 0	299 7 0	...	990 0 0 0	1042 13 0	...
...	118 19 0	...	...	...
...	88 0 0 0	95 10 0	...
...	122 0 0 0	43 0 0	...
...	...	21 0 0 0	32 0 0	...	21 0 0 0	32 0 0	...
...	...	30 10 0 0	91 16 0	...	30 10 0 0	91 16 0	...
...	...	146 10 0 0	181 4 12	...	146 10 0 0	181 4 12	...
...	...	26 10 0 0	35 0 0	...	122 0 0 0	141 11 20	...
...	606 10 0 0	255 1 8	...
...	...	{ 789 0 0 0	861 10 0	...	...	...	...
...	...	{ 260 0 0 0	242 16 0	...	1384 0 0 0	1212 14 0	...
...	29 10 0 0	26 11 0	...
...	...	{ 12 0 0 0	5 0 0	...	...	...	...
...	...	{ 46 0 0 0	23 0 0	...	58 0 0 0	28 0 0	...
...
...	...	4656 10 0 0	3304 16 12	421 6 12	16124 10 0 0	10801 3 4	...

DISTRICT—continued.

Gold Yield.	TOTAL GOLD PRODUCTION.					Mint Value of Gold per Ounce.		
	Ounces from Unknown Tons.	Dolled and Specimens.	Ore Treated.	Gold Yield.	Average.			
ozs. dwts. grs.	tons.	ozs. dwts. grs.	tons cwt. qrs. lbs.	ozs. dwts. grs.	ozs. dwts. grs.	£	s.	d.
277 0 0	372 0 0 0	277 0 0	0 14 21	...	...	...
121 0 0	175 0 0 0	255 15 0	1 9 5	...	...	...
...	70 0 0 0	440 0 0	6 5 17	...	...	...
...	8573 0 0 0	4512 4 12	0 10 12	3	10	0
...	730 0 0 0	175 0 0	0 4 19	...	...	...
75 0 0	447 0 0 0	562 2 0	1 5 3	...	...	...
227 0 0	181 0 0 0	380 12 0	2 1 12	...	...	...
...	...	231 10 12	...	...	...	3	15	0
...	16 0 0 0	25 4 0	1 11 12	...	...	...
...	117 0 0 0	80 4 0	0 13 17	...	...	...
20 0 0	25 0 0 0	20 0 0	0 16 0	...	...	...
...	...	70 17 0	...	...	...	3	15	0
130 0 0	60 0 0 0	130 0 0	2 3 8	...	...	...
...	27 0 0 0	36 15 0	1 7 5	...	...	...
...	41 10 0 0	28 9 0	0 13 17	...	...	...
26 0 0	36 0 0 0	58 0 0	1 12 5	...	...	...
660 0 0	1398 0 0 0	1605 12 0	1 2 23	4	0	0
5943 0 0	8559 0 0 0	6494 8 0	0 15 4	...	...	...
3942 0 0	2273 0 0 0	3990 16 0	1 15 2	3	8	6
15 0 0	995 0 0 0	1057 13 0	1 1 6	3	16	0
...	...	118 19 0	...	...	...	3	17	10
9 0 0	118 0 0 0	104 10 0	0 17 17	...	...	...
...	122 0 0 0	43 0 0	0 7 1	...	...	...
...	21 0 0 0	32 0 0	1 10 11	...	...	...
...	30 10 0 0	91 16 0	3 0 4	...	...	...
1251 0 0	379 10 0 0	1432 4 12	3 15 11	3	11	0
...	122 0 0 0	141 11 20	1 3 5	3	7	6
...	606 10 0 0	255 1 8	0 8 9	...	...	...
11575 0 0	11272 0 0 0	12787 14 0	1 2 16	3	0	0
...	29 10 0 0	26 11 0	0 18 0	...	...	...
...	58 0 0 0	28 0 0	0 9 15	3	10	0
26 0 0	10 0 0 0	26 0 0	2 12 0	...	...	...
24297 0 0	...	421 6 12	36864 10 0 0	35098 3 4	0 19 1	...	...	...

Official Numbers of Leases.	Name of Lease.	Name of Company.	FIRST HALF OF 1897.				
			Dolled and Specimens. oz. dwt. gr.	Concentrates.		Tailings.	
				tons.	ozs. dwts. grs.	tons.	ozs. dwts. grs.
1047	Agamemnon	...	...	...	...	...
640, 811, 870, 953	...	Arcadia Gold Mines, Ltd.	...	...	...	...
750	Ashbourne	...	...	...	...	...
1056, 1057	Belgravia, N. and S.	...	...	...	...	...
789	Belgravia Central	...	...	...	...	...
867	Black Swan	...	...	...	...	...
949	Blue Bell, Block No. 1	...	...	...	...	...
1055	Bonanza	...	...	...	...	...
1109	Buttercup	...	...	...	...	...
1068, 1100, 1101	...	Caledonian Hill Sluicing Co.	...	...	...	...
1088	Catalpa	...	...	...	...	...
252, 818, 1082	...	City of Chester Gold Mines, Limited.	...	...	...	...
764	City of St. Petersburg...	...	...	...	...	...
1061	Conscript	...	...	...	...	...
203, 692	Cue No. 1, Princess Ada	Cue One Gold Mines, Ltd.	...	...	...	...
201, 208, 893, 935	...	Cue Victory Gold Mines, Ltd.	...	...	...	...
1115	Deceiver	...	...	...	...	...
1022	Duke of York	...	...	...	...	...
248, 663	Eclipse and Eclipse Extd.	...	...	...	...	...
386	Fairlight	...	...	...	...	...
422	Fleur de Mai	...	...	...	...	...
95	...	Fortune of War G.M. Co., N.L.	...	...	...	...
523, 1020	...	Gem of Cue Gold Mines, Ltd.	...	...	...	...
538, 993	...	Gem of Murchison G.Ms., Ltd.	...	...	...	...
634, 1042, 736	Golden Gate North, and Missing Link	Cuddingwarra Gold Mines, Limited	...	...	...	...
1111	Golden Garter	...	...	...	...	...
873	Golden Fleece	...	...	...	...	...
711	Golden Stream Extended	...	...	...	...	...
889	Golden Leaf	...	...	...	...	...
882	Great White Eye	...	...	...	...	...
968	Greymouth	...	...	...	...	...
718	Highland Mary	...	...	...	...	...
398	Homeward Bound	...	...	...	...	...
1117	Jubilee	...	...	...	...	...
672	Kangaroo	...	...	...	...	...
716	Kallara	...	...	...	...	...
335	Lady Forrest	Lady Forrest (Murchison) Gold Mines, Ltd.	...	...	...	...
1116	Lady Godiva	...	...	...	...	...
60, 170, 674	...	Lady Mary Amalgamated Gold Mines, Limited	...	...	...	...
157	Lady Mary No. 1 South	...	...	...	...	...
790	Lady Rosie	...	...	...	...	...
183	Leviathan	...	...	...	...	...
701	Lily	...	...	...	...	...
1049	Lily North	...	...	...	...	...
697	Lily No. 2 South	...	...	...	...	...
964, 1002	...	Light of Asia Amalgamated Gold Mines Limited	...	...	...	...
1034	Lombardy	...	...	...	...	...
1076	Lone Star	...	...	...	...	...
537	Maori Chief	...	...	...	...	...
1108	Maybell	...	...	...	...	...
599	Marvel	...	...	...	...	...
1045	New Eldorado	...	...	...	...	...
1107	New England	...	...	...	...	...
799	Normanby Consolidated	...	...	...	...	...
920	Polar Star Proprietary	Polar Star Proprietary, Ltd.	...	...	...	...
1059	Princess Ada South	...	...	...	...	...
222, 653, 784	...	Princess Royal, Cue, Ltd.	...	...	...	...
745, 746, 1119, 1121	...	Red, White, and Blue Gold Mining Co., Limited	...	...	...	...
671	Rhinegold	...	...	...	...	...
1110	Rose	...	...	...	...	...
662	Rose of England	...	...	...	...	...
1046	Salisbury	...	...	...	...	...
887	Stanmore	...	...	...	...	...
958	Star of Asia	...	...	...	...	...
483	Tasmania	...	...	...	...	...
691	Treasure Trove North	...	...	...	...	...
836	Treasure Trove Extd.	...	...	...	...	...
774	Twilight	...	...	...	...	...
1113	Two Lilies	...	...	...	...	...
865	Two Nations	...	...	...	...	...
1037	Union Jack	...	...	...	...	...
1118	Victoria	...	...	...	...	...
817	Victoria North	...	...	...	...	...
595	...	Victory United G.M. Co.	...	...	...	...
1070	Volunteer	...	...	...	...	...
1044	Volunteer South	...	...	...	...	...
999	Wallace	...	...	...	...	...
925, 929, 947, 948	West Australian	...	...	...	...	...
1071, 1072, 1074	...	Weld Hercules G.Ms., Ltd.	...	...	...	...
1009	Winchester	...	...	...	...	...
	Other small parcels from various mines	...	...	...	...	...

Ore Milled, etc.—continued.

Goldfield—continued.

DISTRICT.

												THIRD QUARTER OF 1897.								
Ore Milled.				Dolled and Specimens. oz. dwt. gr.	Concentrates.		Tailings.		Ore Smelted.		Ore Milled.									
tons	cwt.	qrs.	lbs.		ozs.	dwt.	grs.	tons.	ozs.	tons.	ozs.	tons.	ozs.	tons	cwt.	qrs.	lbs.	ozs.	dwt.	grs.
100	0	0	0	26	0	0	...	...	...	...	...	...	70	0	0	0	39	0	0
538	0	0	0	403	0	0
...	...	...	...	...	...	...	...	...	...	...	...	...	60	0	0	0	9	0	0
15	0	0	0	21	0	0	...	...	...	...	...	...	25	0	0	0	16	0	0
60	0	0	0	10	0	0
...
...	...	...	...	...	...	...	...	...	...	...	...	...	100	0	0	0	64	0	0
74	0	0	0	33	0	0	† 40
...
{ 1756	0	0	0	917	0	0	...	...	...	...	...	...	{ 1492	0	0	0	1284	0	0
{ 1248	0	0	0	723	0	0	...	...	...	...	...	...	{ 390	0	0	0	319	0	0
...	...	...	...	...	...	...	...	...	...	...	...	...	1316	0	0	0	841	0	0
...
50	0	0	0	27	0	0	...	...	...	...	...	...	100	0	0	0	52	0	0
{ 651	0	0	0	516	15	12
{ From Plates.	219	0	0
60	0	0	0	39	0	0	...	...	...	...	...	...	77	0	0	0	46	0	0
...
...	...	...	...	...	...	...	...	...	...	...	...	...	57	0	0	0	29	0	0
...
20	0	0	0	22	0	0
68	0	0	0	8	0	0
8	10	0	0	6	0	0
...	...	...	...	...	...	...	...	...	...	...	...	...	20	0	0	0	17	0	0
79	0	0	0	35	0	0	...	...	...	...	...	...	57	0	0	0	43	0	0
...
180	0	0	0	111	0	0	...	...	...	...	...	...	125	0	0	0	88	0	0
...
450	0	0	0	415	0	0	...	...	...	...	...	...	248	0	0	0	182	0	0
70	0	0	0	121	0	0	...	...	...	...	...	...	51	0	0	0	95	0	0
...	...	...	...	...	...	...	...	...	...	...	...	...	28	0	0	0	20	0	0
...	...	...	...	...	...	...	...	...	...	...	...	...	130	0	0	0	117	0	0
52	0	0	0	69	0	0	...	...	...	...	...	...	30	0	0	0	56	0	0
56	0	0	0	127	0	0
10	0	0	0	4	0	0
1595	0	0	0	806	0	0	...	...	...	...	...	...	55	0	0	0	17	0	0
...	...	...	...	...	...	...	...	...	...	...	...	...	210	0	0	0	138	0	0
...
50	0	0	0	20	7	0	...	...	...	...	...	...	15	0	0	0	5	0	0
...
116	0	0	0	42	0	0	...	...	...	...	...	...	25	0	0	0	5	0	0
95	0	0	0	182	4	0	...	...	...	...	...	...	7	0	0	0	9	0	0
64	0	0	0	9	11	0	...	...	...	...	...	...	194	0	0	0	177	0	0
917	10	0	0	831	0	0	...	...	...	...	...	...	86	0	0	0	178	0	0
233	0	0	0	98	0	0
175	0	0	0	205	0	0	...	...	...	...	...	...	1055	0	0	0	921	0	0
...
...	...	...	...	...	...	...	...	...	...	...	...	...	50	0	0	0	53	0	0
...	...	...	...	...	...	...	...	...	...	...	...	...	21	0	0	0	12	0	0
...
54	0	0	0	5	0	0	...	...	...	...	...	...	70	0	0	0	71	0	0
...
...
43	0	0	0	70	0	0	...	...	...	...	...	...	50	0	0	0	69	0	0
...	...	...	...	...	...	...	...	...	...	...	...	...	22	0	0	0	27	0	0
55	0	0	0	18	0	0
...
{ 123	0	0	0	303	0	0
{ From plates	447	0	0
54	0	0	0	36	0	0
50	0	0	0	30	1	0	...	...	...	...	...	...	26	0	0	0	20	0	0
...
104	0	0	0	76	10	0	...	...	...	...	...	...	710	0	0	0	741	0	0
279	0	0	0	299	0	0
...	...	...	...	...	...	...	...	...	...	...	...	...	210	0	0	0	181	0	0
9553	0	0	0	7331	8	12	40	...	...	...	...	...	7182	0	0	0	5941	0	0

†Sluicing.

Murchison

CUE

Official Numbers of Leases.	Name of Lease.	Name of Company.	FOURTH QUARTER OF 1897.				
			Dolled and Specimens. oz. dwt. gr.	Concentrates.		Tailings.	
				tons.	ozs. dwts. grs.	tons.	ozs. dwts. grs.
1047	Agamemnon	...	...	...	...	...
640, 811, 870, 953	...	Arcadia Gold Mines, Ltd.	...	...	...	...
750	Ashbourne	...	...	...	...	...
1056, 1057	Belgravia, N. and S.	...	...	...	...	...
789	Belgravia Central	...	...	...	...	...
867	Black Swan	...	...	...	...	...
949	Blue Bell, Block No. 1...	...	...	...	...	...
1055	Bonanza	...	...	...	...	...
1109	Buttercup	...	...	...	...	...
1068, 1100, 1101	...	Caledonian Hill Sluicing Co.	...	...	...	...
1088	Catalpa	...	...	...	...	...
252, 818, 1082	...	City of Chester Gold Mines, Limited.	...	...	...	...
764	City of St. Petersburg	...	...	...	...	...
1061	Conscript	...	...	...	...	...
203, 692	Cue No. 1, Princess Ada	Cue One Gold Mines, Ltd.	...	...	...	...
201, 208, 893, 935	...	Cue Victory Gold Mines, Ltd.	...	...	...	...
1115	Deceiver	...	...	...	...	...
1022	Duke of York	...	...	...	...	...
248, 663	Eclipse and Eclipse Extended	...	...	...	...	...
386	Fairlight	...	...	...	...	...
422	Fleur de Mai	...	...	...	...	...
95	...	Fortune of War G.M. Coy., N.L.	...	...	...	...
523, 1020	...	Gem of Cue Gold Mines, Ltd.	...	...	...	...
538, 993	...	Gem of Murchison	...	...	...	...
634, 736, 1042	Golden Gate North, and Missing Link	Cuddingwarra Gold Mines, Limited.	...	...	...	...
1111	Golden Garter	...	...	...	...	...
873	Golden Fleece	...	...	...	...	...
711	Golden Stream Extended	...	...	...	...	...
889	Golden Leaf	...	...	...	...	...
882	Great White Eye	...	...	...	...	...
968	Greymouth	...	...	...	...	...
718	Highland Mary	...	...	...	...	...
398	Homeward Bound	...	...	...	...	...
1117	Jubilee	...	...	...	...	...
672	Kangaroo	...	...	...	...	...
716	Kallara	...	...	...	...	...
335	Lady Forrest	Lady Forrest (Murchison) Gold Mines, Ltd.	...	...	...	...
1116	Lady Godiva	...	...	...	...	...
60, 170, 674	...	Lady Mary Amalgamated Gold Mines, Limited	...	...	...	...
157	Lady Mary No. 1 South	...	...	...	...	...
790	Lady Rosie	...	...	...	...	...
183	Leviathan	...	...	...	...	...
701	Lily	...	...	...	...	...
1049	Lily North	...	...	...	...	...
697	Lily No. 2 South	...	...	...	...	...
964, 1002	...	Light of Asia Amalgamated Gold Mines, Limited	...	...	...	...
1034	Lombardy	...	...	...	...	...
1076	Lone Star	...	...	...	...	...
537	Maori Chief	...	...	...	...	...
1108	Maybell	...	...	...	...	...
599	Marvel	...	...	...	...	...
1045	New Eldorado	...	...	...	...	...
1107	New England	...	...	...	...	...
799	Normanby Consolidated	...	...	...	...	...
920	Polar Star Proprietary	Polar Star Proprietary, Ltd.	...	...	...	...
1059	Princess Ada South	...	...	...	...	...
222, 653, 784	...	Princess Royal Cue, Ltd.	...	...	...	...
745, 746, 1119, 1121...	...	Red, White, and Blue Gold Mining Co., Limited	...	...	...	...
671	Rhinegold	...	...	...	...	...
1110	Rose	...	...	...	...	...
662	Rose of England	...	...	...	...	...
1046	Salisbury	...	...	...	...	...
887	Stanmore	...	...	...	...	...
958	Star of Asia	...	...	...	...	...
483	Tasmania	...	...	...	...	...
691	Treasure Trove North...	...	...	...	...	...
836	Treasure Trove Extd.	...	...	...	...	...
774	Twilight...	...	...	...	...	...
1113	Two Lilies	...	...	...	...	...
865	Two Nations	...	...	...	...	...
1037	Union Jack	...	...	...	...	...
1118	Victoria	...	...	...	...	...
817	Victoria North	...	...	...	...	...
595	...	Victory United G.M. Co.	...	...	...	...
1970	Volunteer	...	...	...	...	...
1044	Volunteer South	...	...	...	...	...
999	Wallace	...	...	...	...	...
925, 929, 947, 948	West Australian	...	...	...	...	...
1071, 1072, 1074	...	Weld Hercules G.Ms., Ltd.	...	...	...	...
1009	Winchester	...	...	...	...	...
	Other small parcels from various mines	...	...	...	...	...

Ore Milled, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

FOURTH QUARTER OF 1897—continued.				TOTALS FOR 1897.			
Ore Smelted.		Ore Milled.		Dolled and Specimens.	Ore Treated.		Gold Yield.
tons cwt. qrs. lbs.	ozs. dwts. grs.	tons cwt. qrs. lbs.	ozs. dwts. grs.		tons cwt. qrs. lbs.	oz. dwts. grs.	
...	...	806 0 0 0	523 1 10	...	976 0 0 0	588 1 10	
...	...	153 0 0 0	35 2 0	...	691 0 0 0	438 2 0	
...	...	108 0 0 0	48 13 12	...	168 0 0 0	57 13 12	
...	
...	...	50 0 0 0	33 9 6	...	90 0 0 0	70 9 6	
...	60 0 0 0	10 0 0	
...	
...	100 0 0 0	64 0 0	
...	† 40	...	...
...	74 0 0 0	33 0 0	
...	...	116 0 0 0	118 0 0	...	116 0 0 0	118 0 0	
...	
...	
...	...	1802 0 0 0	1654 15 0	...	6688 0 0 0	4897 15 0	
...	...	1502 0 0 0	1092 4 0	...	2818 0 0 0	1933 4 0	
...	...	31 0 0 0	52 15 8	...	31 0 0 0	52 15 8	
...	
...	150 0 0 0	79 0 0	
...	
...	651 0 0 0	735 15 12	
...	...	20 0 0 0	23 5 0	...	20 0 0 0	23 5 0	
...	60 0 0 0	39 0 0	
...	77 0 0 0	46 0 0	
...	
...	...	15 0 0 0	19 17 18	...	72 0 0 0	48 17 18	
...	
...	...	30 0 0 0	69 6 12	...	30 0 0 0	69 6 12	
...	
...	...	59 0 0 0	33 15 0	...	59 0 0 0	33 15 0	
...	20 0 0 0	22 0 0	
...	68 0 0 0	8 0 0	
...	8 10 0 0	6 0 0	
...	...	85 0 0 0	57 8 15	...	105 0 0 0	74 8 15	
...	...	117 0 0 0	80 15 0	...	253 0 0 0	158 15 0	
...	
...	...	615 0 0 0	317 0 2	...	920 0 0 0	516 0 2	
...	
...	...	30 0 0 0	25 0 0	...	30 0 0 0	25 0 0	
...	...	316 0 0 0	309 7 0	...	1014 0 0 0	906 7 0	
...	121 0 0 0	216 0 0	
...	...	62 0 0 0	84 7 0	...	90 0 0 0	104 7 0	
...	130 0 0 0	117 0 0	
...	...	46 0 0 0	22 5 0	...	128 0 0 0	147 5 0	
...	56 0 0 0	127 0 0	
...	10 0 0 0	4 0 0	
...	...	132 0 0 0	102 10 0	...	1782 0 0 0	925 10 0	
...	
...	210 0 0 0	138 0 0	
...	
...	15 0 0 0	5 0 0	
...	50 0 0 0	20 7 0	
...	25 0 0 0	5 0 0	
...	7 0 0 0	9 0 0	
...	310 0 0 0	219 0 0	
...	...	158 0 0 0	185 10 0	...	339 0 0 0	545 14 0	
...	64 0 0 0	9 11 0	
...	...	1160 0 0 0	1012 17 17	...	3132 10 0 0	2764 17 17	
...	...	8 0 0 0	4 0 0	...	241 0 0 0	102 0 0	
...	
...	225 0 0 0	258 0 0	
...	21 0 0 0	12 0 0	
...	...	389 10 0 0	801 14 9	...	459 10 0 0	872 14 9	
...	
...	54 0 0 0	5 0 0	
...	
...	...	45 0 0 0	52 17 0	...	138 0 0 0	191 17 0	
...	...	33 0 0 0	45 7 12	...	55 0 0 0	72 7 12	
...	
...	...	11 0 0 0	23 19 0	...	55 0 0 0	18 0 0	
...	11 0 0 0	23 19 0	
...	...	578 0 0 0	1016 2 0	...	701 0 0 0	1766 2 0	
...	54 0 0 0	36 0 0	
...	76 0 0 0	50 1 0	
...	
...	...	572 0 0 0	325 19 15	...	1282 0 0 0	1066 19 15	
...	104 0 0 0	76 10 0	
...	...	486 0 0 0	512 4 20	...	975 0 0 0	992 4 20	
...	
...	...	9535 10 0 0	8683 9 12	40	26270 10 0 0	21955 18 0	

† Sluicing.

Murchison

CUE

Official Numbers of Leases.	Name of Lease.	Name of Company.	TOTALS PREVIOUS TO 1897.		
			Ounces from Unknown Tons.	Dollied and Specimens. ozs. dwts. grs.	Ore Treated. tons cwt. qrs. lbs.
1047	Agamemnon	...	...	...	50 0 0 0
640, 811, 870, 953	...	Arcadia Gold Mines, Ltd.	...	...	565 0 0 0
750	Ashbourne	...	...	...	501 0 0 0
1056, 1057	Belgravia, N. and S.	...	...	...	102 0 0 0
789	Belgravia Central	...	...	...	...
867	Black Swan	...	128	...	...
949	Blue Bell, Block No. 1	...	...	...	80 0 0 0
1055	Bonanza	...	...	...	42 0 0 0
1109	Buttercup	...	...	...	...
1068, 1100, 1101	...	Caledonian Hill Sluicing Co.	...	...	...
1088	Catalpa	...	...	...	...
252, 818, 1082	...	City of Chester Gold Mines, Limited.	...	...	...
764	City of St. Petersburg	...	...	...	10 0 0 0
1061	Conscript	...	...	...	12 0 0 0
203, 692	Cue No. 1, Princess Ada	Cue One Gold Mine, Ltd.	...	...	3815 0 0 0
201, 208, 893, 935	...	Cue Victory Gold Mines, Ltd.	...	...	448 0 0 0
1115	Deceiver	...	...	...	...
1022	Duke of York	...	...	...	30 0 0 0
248, 663	Eclipse and Eclipse Extd.	...	...	...	72 0 0 0
386	Fairlight	...	...	...	...
422	Fleur de Mai	...	...	...	422 0 0 0
95	...	Fortune of War G.M. Co., No-Liability.	...	...	1580 0 0 0
523, 1020	...	Gem of Cue Gold Mines, Ltd.	...	...	40 0 0 0
538, 993	...	Gem of Murchison G.Ms. Ltd.	...	...	...
634, 1042	Golden Gate North and Missing Link	Cuddingwarra Gold Mines, Limited.	...	...	238 0 0 0
1111	Golden Garter	...	...	...	...
873	Golden Fleece	...	...	...	84 0 0 0
711	Golden Stream Extended	...	...	...	20 0 0 0
889	Golden Leaf	...	...	...	33 0 0 0
882	Great White Eye	...	...	...	190 0 0 0
968	Greymouth	...	...	...	150 0 0 0
718	Highland Mary	...	...	...	...
398	Homeward Bound	...	...	...	39 0 0 0
1117	Jubilee	...	...	...	...
672	Kangaroo	...	...	...	...
716	Kallara	...	36	...	...
335	Lady Forrest	Lady Forrest (Murchison) Gold Mines, Ltd.	...	...	...
1116	Lady Godiva	...	...	...	...
60, 170, 674	...	Lady Mary Amalgamated Gold Mines, Ltd.	...	...	2099 0 0 0
157	Lady Mary No. 1 South	...	...	...	147 0 0 0
790	Lady Rosie	...	...	...	85 0 0 0
183	Leviathan	...	...	...	...
701	Lily	...	...	...	480 0 0 0
1049	Lily North	...	...	...	14 0 0 0
697	Lily No. 2 South	...	...	...	25 0 0 0
964, 1002	...	Light of Asia Amalgamated Gold Mines, Limited	...	...	942 0 0 0
1034	Lombardy	...	...	...	...
1076	Lone Star	...	...	...	17 0 0 0
537	Maori Chief	...	59	...	...
1108	Maybell	...	...	...	...
599	Marvel	...	...	...	...
1045	New Eldorado	...	...	...	...
1107	New England	...	...	...	...
799	Normanby Consolidated	...	...	...	295 0 0 0
920	Polar Star Proprietary	Polar Star Proprietary, Ltd.	...	...	179 0 0 0
1059	Princess Ada South	...	...	...	...
222, 653, 784	...	Princess Royal, Cue, Ltd.	...	...	414 0 0 0
745, 746 1119, 1121	...	Red, White, and Blue Gold Mining Co., Limited	...	...	100 0 0 0
671	Rhinegold	...	...	...	108 0 0 0
1110	Rose	...	...	...	...
662	Rose of England	...	...	...	300 0 0 0
1046	Salisbury	...	...	...	138 0 0 0
887	Stanmore	...	...	...	63 0 0 0
958	Star of Asia	...	...	...	...
483	Tasmania	...	...	...	55 0 0 0
691	Treasure Trove North	...	...	...	31 0 0 0
836	Treasure Trove Extd.	...	...	...	43 0 0 0
774	Twilight	...	...	...	110 0 0 0
1113	Two Lilies	...	...	...	...
865	Two Nations	...	...	...	10 0 0 0
1037	Union Jack	...	...	...	...
1118	Victoria	...	277	...	...
817	Victoria North	...	...	...	203 0 0 0
595	...	Victory United G.M. Co.	...	...	2272 0 0 0
1070	Volunteer	...	...	...	108 0 0 0
1044	Volunteer South	...	...	...	50 0 0 0
999	Wallace	...	...	...	18 0 0 0
925, 929, 947, 948	West Australian	...	...	...	4 0 0 0
1071, 1072, 1074	...	Weld Hercules G.Ms., Ltd.	...	...	...
1009	Winchester	...	...	...	49 0 0 0
	Other small parcels from various mines	...	572	...	...
			1072		16882 0 0 0

Ore Milled, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

Gold Yield.	TOTAL GOLD PRODUCTION.						Mint Value of Gold per Ounce.		
	Ounces from Unknown Tons.	Dollied and Specimens.	Ore Treated.	Gold Yield.	Average.				
	ozs. dwts. grs.	ozs. dwts. grs.	tons cwt. qrs. lbs.	ozs. dwts. grs.	ozs. dwts. grs.	£ s. d.			
51 0 0	1026 0 0 0	639 1 10	0 12 10	3 15 6			
739 0 0	1256 0 0 0	1177 2 0	0 18 17	3 12 0			
499 0 0	669 0 0 0	556 13 12	0 16 15	3 15 0			
77 0 0	102 0 0 0	77 0 0	0 15 2				
...	90 0 0 0	70 9 6	0 15 15	3 12 6			
...	128	...	60 0 0 0	10 0 0	0 3 8				
25 0 0	80 0 0 0	25 0 0	0 6 6				
42 0 0	42 0 0 0	42 0 0	1 0 0				
...	100 0 0 0	64 0 0	0 12 19				
...	...	† 40	...	...	...	
...	74 0 0 0	33 0 0	0 8 22				
...	116 0 0 0	118 0 0	1 0 8	3 12 6			
5 0 0	10 0 0 0	5 0 0	0 10 0				
11 0 0	12 0 0 0	11 0 0	0 18 8				
4340 0 0	10503 0 0 0	9237 15 0	0 17 4	3 18 0			
650 0 0	3266 0 0 0	2583 4 0	0 15 19	4 0 0			
...	31 0 0 0	52 15 8	1 14 1	3 18 6			
30 0 0	30 0 0 0	30 0 0	1 0 0				
32 0 0	72 0 0 0	32 0 0	0 8 21				
...	150 0 0 0	79 0 0	0 10 12				
235 0 0	422 0 0 0	235 0 0	0 11 3				
1512 0 0	2231 0 0 0	2247 15 12	1 0 3				
54 0 0	60 0 0 0	77 5 0	1 5 18	4 0 0			
...	60 0 0 0	39 0 0	0 13 0				
131 0 0	315 0 0 0	177 0 0	0 11 5				
...	72 0 0 0	48 17 18	0 13 14				
65 0 0	84 0 0 0	65 0 0	0 15 11				
20 0 0	50 0 0 0	89 6 12	1 15 17	4 0 6			
47 0 0	33 0 0 0	47 0 0	1 8 11				
115 0 0	249 0 0 0	148 15 0	0 11 22	4 1 11			
470 0 0	170 0 0 0	492 0 0	2 17 21				
...	68 0 0 0	8 0 0	0 2 8				
75 0 0	47 10 0 0	81 0 0	1 14 2				
...	105 0 0 0	74 8 15	0 14 4	3 13 6			
...	253 0 0 0	158 15 0	0 12 13	3 10 0			
...	36	...	920 0 0 0	516 0 2	0 11 5				
...	30 0 0 0	25 0 0	0 16 16	3 17 6			
2225 10 0	3113 0 0 0	3131 17 0	1 0 2	4 0 0			
263 16 0	268 0 0 0	479 16 0	1 15 19				
97 0 0	175 0 0 0	201 7 0	1 3 0				
...	130 0 0 0	117 0 0	0 18 0				
800 0 0	608 0 0 0	947 5 0	1 11 3				
83 0 0	70 0 0 0	210 0 0	3 0 0				
22 0 0	35 0 0 0	26 0 0	0 14 20				
628 0 0	2724 0 0 0	1553 10 0	0 11 9				
...	210 0 0 0	138 0 0	0 13 3				
7 0 0	17 0 0 0	7 0 0	0 8 5				
...	59	...	15 0 0 0	5 0 0	0 6 16				
...	50 0 0 0	20 7 0	0 8 3				
...	25 0 0 0	5 0 0	0 4 0				
...	7 0 0 0	9 0 0	1 5 17				
269 0 0	605 0 0 0	488 0 0	0 16 3				
409 7 12	518 0 0 0	955 1 12	1 16 21	4 0 0			
...	64 0 0 0	9 11 0	0 2 23				
879 0 0	3546 10 0 0	3643 17 17	1 0 13	4 0 0			
97 0 0	341 0 0 0	199 0 0	0 11 13	3 18 0			
118 0 0	333 0 0 0	376 0 0	1 2 14				
...	21 0 0 0	12 0 0	0 11 10				
42 0 0	300 0 0 0	42 0 0	0 2 19				
175 0 0	597 10 0 0	1047 14 9	1 15 1				
66 0 0	63 0 0 0	66 0 0	1 0 22				
...	54 0 0 0	5 0 0	0 1 20				
24 0 0	55 0 0 0	24 0 0	0 8 17				
17 0 0	31 0 0 0	17 0 0	0 10 23				
44 0 0	43 0 0 0	44 0 0	1 0 11				
138 0 0	248 0 0 0	329 17 0	1 6 14				
...	55 0 0 0	72 7 12	1 6 7	3 18 6			
10 0 0	10 0 0 0	10 0 0	1 0 0				
...	55 0 0 0	18 0 0	0 6 13				
...	277	...	11 0 0 0	23 19 0	2 3 13	4 0 0			
313 0 0	203 0 0 0	313 0 0	1 10 20				
5485 0 0	2973 0 0 0	7251 2 0	2 8 18	3 14 4			
158 0 0	162 0 0 0	194 0 0	1 3 22				
30 0 0	126 0 0 0	80 1 0	0 12 16				
14 0 0	18 0 0 0	14 0 0	0 15 13				
244 0 0	4 0 0 0	244 0 0					
...	1282 0 0 0	1066 19 15	0 16 15	3 15 0			
56 10 0	153 0 0 0	133 0 0	0 17 9				
...	572	...	975 0 0 0	992 4 20	1 0 8				
21940 3 12	1072	40	43152 10 0 0	43896 1 12	1 0 8				

† Sluicing.

Murchison

DAY DAWN

Official Numbers of Leases.	Name of Lease.	Name of Company.	FIRST HALF OF 1897.				
			Dollied and Specimens. oz. dwt. gr.	Concentrates.		Tailings.	
				tons.	ozs. dwts. grs.	tons.	ozs. dwts. grs.
28D	Cooya						
22D	Crème d'Or						
14D	Cræsus						
4D	Chicago						
1D	Day Dawn	Consolidated Murchison Gold Mines, Ltd.				3000	337 10 0
2D	Day Dawn North						
7D	Day Dawn West						
15D		Emperor Gold Mines, Ltd.					
9D	Eureka						
26D	Eureka No. 5						
35D	Evening Star						
42D, 68D, 69D, 70D, 74D		Golconda Gold Mines, Ltd.					
78D	Golden Crown						
125D	Great Western						
8D, 40D	{ Ironclad North Island Lake Austin	Island Lake Austin Gold Mining Co., Ltd.					
106D	Island Lake Austin South						
6D, 60D, 61D		Mainland Consols, Ltd.					
5D	Island Queen	Island Eureka G.Ms., Ltd.					
27D, 49D, 50D	Kinsella						
97D	Mainland East						
100D (16D)	New Caledonia						
155D (38D)	Orient						
101D	Pelican						
46D	Perseverance (Day Dawn)						
85D	Perseverance (Mainland)						
66D	Queen's Birthday South						
151D (36D)	Richmond						
138D (24D)	Rubicon						
134D (41D)	Sailor Lad						
146D (114D)	Smith's United						
115D	Southdown						
119D	St. Alban's						
23D	Trenton						
135D	Wild Cat						
12D	Phoenix	Yalgoo Proprietary and Prospecting Syndicate, Ltd.					
3D	Day Dawn South	Public Battery					
						3000	337 10 0

DAY DAWN

Official Numbers of Leases.	Name of Lease.	Name of Company.	FOURTH QUARTER OF 1897.				
			Dollied and Specimens. oz. dwt. gr.	Concentrates.		Tailings.	
				tons.	ozs. dwts. grs.	tons.	ozs. dwts. grs.
28D	Cooya						
22D	Crème d'Or						
14D	Cræsus						
4D	Chicago						
1D	Day Dawn	Consolidated Murchison Gold Mines, Ltd.					
2D	Day Dawn North						
7D	Day Dawn West						
15D		Emperor Gold Mines, Ltd.					
9D	Eureka						
26D	Eureka No. 5						
35D	Evening Star						
42D, 68D, 69D, 70D, 74D		Golconda Gold Mines, Ltd.					
78D	Golden Crown						
125D	Great Western						
8D, 40D	{ Ironclad North Island Lake Austin	Island Lake Austin Gold Mining Co., Ltd.					
106D	Island Lake Austin South						
6D, 60D, 61D		Mainland Consols, Ltd.					
5D	Island Queen	Island Eureka G.Ms., Ltd.					
27D, 49D, 50D	Kinsella						
97D	Mainland East						
100D (16D)	New Caledonia						
155D (38D)	Orient						
101D	Pelican						
46D	Perseverance (Day Dawn)						
85D	Perseverance (Mainland)		‡328 10 0				
66D	Queen's Birthday South						
151D (36D)	Richmond						
138D (24D)	Rubicon						
134D (41D)	Sailor Lad						
146D (114D)	Smith's United						
115D	Southdown						
119D	St. Alban's						
23D	Trenton						
135D	Wild Cat		*119 0 0				
12D	Phoenix	Yalgoo Proprietary and Prospecting Syndicate, Ltd.					
3D	Day Dawn South	Public Battery					
			447 10 0				

Ore Milled, etc.—continued.

Goldfield—continued.

DISTRICT.

Ore Milled.		THIRD QUARTER OF 1897.										
		Dollied and Specimens.	Concentrates.		Tailings.		Ore Smelted.		Ore Milled.			
tons	cwt. qrs. lbs.	ozs. dwts. grs.	oz. dwt. gr.	tons.	ozs.	tons.	ozs.	tons.	ozs.	tons.	cwt. qrs. lbs.	ozs. dwts. grs.
35	0 0 0	16 7 0	...	...	...	...	...	...	...	...	...	...
21	10 0 0	19 6 0	...	...	...	...	...	...	...	...	...	...
0	2 0 0	58 3 0	...	...	...	...	...	...	...	...	...	...
2046	0 0 0	834 0 0	...	...	...	...	...	...	...	...	...	...
226	0 0 0	145 9 18	...	...	...	...	...	...	...	1029	0 0 0	1212 2 0
685	0 0 0	544 11 0	...	...	...	...	...	...	...	158	19 0 0	187 2 14
0	2 0 0	67 0 0	...	...	...	...	...	...	...	129	2 0 0	437 0 0
90	15 0 0	170 8 0	...	...	...	...	...	...	...	26	0 0 0	26 10 9
50	0 0 0	34 0 0	...	...	...	...	...	...	...	...	...	...
17	0 0 0	11 11 11	...	...	...	...	...	...	...	...	...	...
20	0 0 0	2 0 0	...	...	...	...	...	...	...	720	0 0 0	198 4 0
409	3 0 0	880 3 9	...	...	...	...	...	...	...	...	...	...
0	2 0 0	131 10 0	...	...	...	...	...	...	...	76	2 0 0	449 0 0
35	0 0 0	10 0 0	...	...	...	...	...	...	...	50	0 0 0	12 5 6
0	2 0 0	152 18 0	*28 7 0	...	...	...	...	...	...	187	0 0 0	174 3 0
42	0 0 0	10 0 0	...	...	...	...	...	...	...	118	0 0 0	124 10 0
10	0 0 0	22 7 0	...	...	...	...	...	...	...	...	...	...
8	0 0 0	4 16 0	...	...	...	...	...	...	...	...	...	...
0	1 0 0	50 0 0	*125 5 0	...	...	...	...	...	...	...	...	...
51	0 0 0	20 10 0	...	...	...	...	...	...	...	...	...	...
3746	17 0 0	3185 0 14	153 12 0	...	...	...	...	...	...	2494	3 0 0	2820 17 5

DISTRICT—continued.

FOURTH QUARTER OF 1897—continued.				TOTALS FOR 1897.							
Ore Smelted.		Ore Milled.		Dollied and Specimens.	Ore Treated.	Gold Yield.					
tons	cwt. qrs. lbs.	tons	cwt. qrs. lbs.			ozs. dwts. grs.	tons	cwt. qrs. lbs.	ozs. dwts. grs.		
...	35	0 0 0	16 7 0				
...	21	10 0 0	19 6 0				
...	...	5	0 0 0	285	0 0	5	2 0 0	343 3 0			
...	...	292	0 0 0	295	13 0	...	...	...
...	...	2293	0 0 0	2489	2 0	5886	0 0 0	5313 16 18			
...	...	108	10 0 0	63	3 2	952	9 0 0	794 16 16			
...	...	35	0 0 0	32	0 0	129	4 0 0	504 0 0			
...	...	1335	0 0 0	3244	5 0	151	15 0 0	228 18 9			
...	...	782	0 0 0	270	1 0	...	...	...
...	...	1317	0 0 0	2244	9 0	1335	0 0 0	3244 5 0			
...	...	201	0 0 0	282	15 0	50	0 0 0	34 0 0			
...	...	20	0 0 0	69	15 15	17	0 0 0	11 11 11			
...	...	37	0 0 0	24	6 0	1502	0 0 0	468 5 0			
...	...	287	0 0 0	196	1 0	...	...	...
...	...	31	10 0 0	226	6 0	20	0 0 0	2 0 0			
...	...	44	0 0 0	64	10 0	1726	3 0 0	3124 12 9			
...	277	4 0 0	863 5 0			
...			
...	...	97	0 0 0	95	17 0	...	...	...
...	20	0 0 0	69 15 15			
...	85	0 0 0	22 5 6			
...	187	0 0 0	174 3 0			
...			
...	37	0 0 0	24 6 0			
...	356	17 0	0	2 0 0	152 18 0			
...			
...	405	0 0 0	320 11 0			
...			
...	73	10 0 0	236 6 0			
...	54	0 0 0	86 17 0			
...	8	0 0 0	4 16 0			
...			
...	244	5 0	0	1 0 0	50 0 0			
...	97	0 0 0	95 17 0			
...	51	0 0 0	20 10 0			
...	...	6885	0 0 0	9883	3 17	601	2 0	13126	0 0 0	16226	11 12

* Dollied.

TABLE NO. II.—Return of

Murchison

DAY DAWN

Official Numbers of Leases.	Name of Lease.	Name of Company	TOTALS PREVIOUS TO 1897.		
			Ounces from Unknown Tons.	Dolled and Specimens. ozs. dwts. grs.	Ore Treated. tons cwt. qrs. lbs.
28D	Cooya				50 0 0 0
22D	Crème d'Or				...
14D	Cræsus				762 0 0 0
4D	Chicago				...
1D	Day Dawn	Consolidated Murchison Gold Mines, Ltd.			
2D	Day Dawn North				
7D	Day Dawn West				
15D		Emperor Gold Mines, Ltd.			651 0 0 0
9D	Eureka				14 0 0 0
26D	Eureka No. 5				...
35D	Evening Star				1253 0 0 0
42D, 68D, 69D, 70D, 74D		Golconda Gold Mines, Ltd.			3447 0 0 0
78D	Golden Crown				60 0 0 0
125D	Great Western				20 0 0 0
8D, 40D	(Ironclad North Island Lake Austin	Island Lake Austin Gold Mining Co., Ltd.			102 0 0 0
106D	Island Lake Austin South				
6D, 60D, 61D		Mainland Consols, Ltd.			1373 0 0 0
5D	Island Queen	Island Eureka G.Ms., Ltd.			3 0 0 0
27D, 49D, 50D	Kinsella		142 0 0		7312 0 0 0
97D	Mainland East				...
100D (16D)	New Caledonia				70 0 0 0
155D (38D)	Orient				154 0 0 0
101D	Pelican				25 0 0 0
46D	Perseverance (Day Dawn)				...
85D	Perseverance (Mainland)				10 0 0 0
66D	Queen's Birthday South				33 0 0 0
151D (36D)	Richmond				48 0 0 0
138D (24D)	Rubicon				396 0 0 0
134D (41D)	Sailor Lad				40 0 0 0
146D (114D)	Smith's United				44 0 0 0
115D	Southdown				267 0 0 0
119D	St. Albans				35 0 0 0
23D	Trenton				7732 0 0 0
135D	Wild Cat				...
12D	Phoenix	Yalgoo Proprietary and Prospecting Syndicate, Ltd.			569 0 0 0
3D	Day Dawn South	Public Battery			329 0 0 0
				142 0 0	51465 0 0 0

Ore Milled, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

Gold Yield. ozs. dwts. grs.	TOTAL GOLD PRODUCTION.					Mint Value of Gold per Ounce.		
	Ounces from Unknown Tons.	Dolled and Specimens. ozs. dwts. grs.	Ore Treated. tons cwt. qrs. lbs.	Gold Yield. ozs. dwts. grs.	Average. ozs. dwts. grs.	£	s.	d.
40 0 0	85 0 0 0	56 7 0	0 13 6			
...	21 10 0 0	19 6 0	0 17 22			
1428 0 0	762 0 0 0	1428 0 0	1 17 0			
...	5 2 0 0	343 3 0	...	3	19	6
14229 0 0	23744 0 0 0	14229 0 0	0 11 23			
2222 0 0	8808 0 0 0	7535 16 18	0 17 2	3	12	6
1964 0 0	1603 9 0 0	2758 16 16	1 14 9	4	0	0
25 0 0	143 4 0 0	529 0 0	3 13 21	3	17	6
...	151 15 0 0	228 18 9	1 10 4			
429 0 0	1253 0 0 0	429 0 0	0 6 20			
7108 0 0	4782 0 0 0	10352 5 0	2 3 7	3	17	10
109 0 0	110 0 0 0	143 0 0	1 6 0			
16 0 0	37 0 0 0	27 11 11	0 14 21			
...	1502 0 0 0	468 5 0	0 6 5			
45 0 0	102 0 0 0	45 0 0	0 8 19	4	1	0
...	20 0 0 0	2 0 0	0 2 0			
14612 0 0	3099 3 0 0	17736 12 9	5 14 11	3	18	0
1022 0 0	280 4 0 0	1885 5 0	6 14 13	3	19	10½
3357 2 10	...	142 0 0	7312 0 0 0	3357 2 10	0 9 4			
...	20 0 0 0	69 15 15	3 9 18	3	18	0
66 0 0	155 0 0 0	88 5 6	0 1 9			
2860 0 0	341 0 0 0	3034 3 0	8 17 22			
29 0 0	25 0 0 0	29 0 0	1 3 4			
...	37 0 0 0	24 6 0	0 13 3	3	18	0
133 0 0	...	356 17 0	10 2 0 0	285 18 0	...	4	1	3
8 0 0	33 0 0 0	8 0 0	0 4 20			
150 0 0	48 0 0 0	150 0 0	3 2 12			
223 0 0	801 0 0 0	543 11 0	0 13 13	3	19	6
55 0 0	40 0 0 0	55 0 0	1 7 12			
44 0 0	117 10 0 0	280 6 0	2 7 17	3	16	6
437 18 17	321 0 0 0	524 15 17	1 12 16	4	0	0
12 0 0	43 0 0 0	16 16 0	0 7 19			
6007 0 0	7732 0 0 0	6007 0 0	0 15 12			
...	...	244 5 0	0 1 0 0	50 0 0				
710 0 0	666 0 0 0	805 17 0	1 4 4	3	10	0
485 0 0	380 0 0 0	505 10 0	1 6 14			
57826 1 3		743 2 0	64591 0 0 0	74052 12 15	1 2 22			

TABLE No. II.—Return of

Murchison

MOUNT MAGNET

Official Numbers of Leases.	Name of Lease.	Name of Company.	FIRST HALF OF 1897.				
			Dolled and Specimens. oz. dwt. gr.	Concentrates.		Tailings.	
				tons.	ozs. dwts. grs.	tons.	ozs. dwts. grs.
304M	Black Diamond...	...	...	...	...	...
184M	Bonanza	...	...	...	...	...
43M	Bungarrow	...	...	...	...	...
74M, 78M	...	British Exploration Co., Ltd.	...	...	...	...
48M	Chalk's Brilliant	...	...	...	...	...
80M	...	Corsair Consolidated G.M. Ltd.	...	...	...	...
172M	Eclipse	...	...	...	...	...
281M	Edith Ellen	...	...	...	...	...
185M	Exchange	...	...	...	...	...
833M	Fair Play	...	...	...	...	...
343M	Galtee Moore	...	...	...	...	...
327M	Gibson's Choice...	...	...	...	...	...
173M	Golden Crown	...	...	...	...	...
47M	Golden Giant	...	...	...	...	...
143M	Golden Giant West	...	...	...	...	...
201M	Golden Gem	...	...	...	...	...
224M	Golden Point	...	...	...	...	...
162M	Golden Stream	...	...	...	...	...
41M	Golden Treasure	...	...	...	...	...
225M	Grand Gorge	...	...	...	...	...
239M	Havelock	...	...	...	...	...
328M	Havelock Proprietary	...	...	...	...	...
189M, 190M, 191M	Jupiter 1, 2 and 3	...	...	...	...	...
169M	Lady Bunbury	...	...	...	...	...
31M	Long Reef North	...	...	...	...	...
322M	Magnet Gem	...	...	...	...	...
9M, 11M	...	Mayflower G. Mines, Ltd.	...	...	...	...
34M, 54M	Monarch	...	...	...	...	...
155M, 314M, 320M	...	Morning Star Quartz Crushing Co., N.L.	...	...	...	...
60M, 64M, 319M	...	Mount Magnet G.M. Co., Ltd.	...	...	...	...
7M, 65M, 92M, 136M, 148M, 171M, 206M, 213M, 257M, 301M, 313M, 315M, 316M, 324M, 355M, 356M	...	Murchison New Chum Gold Mines, Limited	...	...	...	...
26M	New Chum South Extended	...	...	...	...	...
347M	National	...	...	...	...	...
292M	New Year's Gift	...	...	...	...	...
23M	North Yule Tide	...	...	...	...	...
66M, 40M	Occidental and Occidental Extended	...	...	...	...	...
160M	O.K.	...	...	...	...	...
45M	Pearl of Ben Rose	...	...	...	...	...
32M	Primrose	...	...	...	...	...
35M	Rock of Ages	...	...	...	...	...
307M	Rock of Cashel	...	...	...	...	...
278M	Royal Surprise	...	...	...	...	...
2M	South Pearl	...	...	...	...	...
336M	Star of the West	...	...	...	...	...
63M	Tarquin	...	...	...	...	...
332M	Three Stars	...	...	...	...	...
127M	Venus	...	...	...	...	...
262M	Wah-Wah	...	...	...	...	...
57M	Welcome	...	...	...	...	...
334M	Wrayfield	...	...	...	...	...
109M	Wheel of Fortune North Extended	...	...	...	...	...
103M	Wheel of Fortune North	...	...	...	...	...
353M	Wellington	...	...	...	...	...
...	Quartz Claim, 33M	...	...	...	...	...
...	Public Crushings	...	...	...	...	...

Ore Milled, etc.—continued.

Goldfield—continued.

DISTRICT.

THIRD QUARTER OF 1897.											
Ore Milled.		Dollied and Specimens. oz. dwt. gr.	Concentrates.		Tailings.		Ore Smelted.		Ore Milled.		
tons	cwt. qrs. lbs.		tons.	ozs.	tons.	ozs.	tons.	ozs.	tons	cwt. qrs. lbs.	ozs. dwts. grs.
...
40	0 0 0	20 0 0	...	...	...	...	...	...	18	0 0 0	9 18 0
70	0 0 0	50 0 0	...	...	...	...	...	...	27	0 0 0	40 6 0
83	0 0 0	104 7 0	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	88	0 0 0	138 12 0
...
...
...
...	...	...	...	...	...	...	...	...	25	0 0 0	128 3 0
60	0 0 0	180 0 0	...	...	...	...	...	...	32	0 0 0	36 14 0
...
...	...	...	...	...	...	...	...	...	40	0 0 0	10 7 0
...	...	...	...	...	...	...	...	...	14	0 0 0	7 10 0
...	...	3 0 0	*4	12 0	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	34	0 0 0	23 14 0
24	0 0 0	52 8 12	...	...	...	...	...	...	...	...	...
49	0 0 0	228 0 0	...	...	...	...	...	...	45	0 0 0	213 0 0
25	0 0 0	64 1 12	...	...	...	...	...	...	...	...	...
...
...
...
...
25	0 0 0	33 2 3	...	...	...	...	...	...	10	0 0 0	5 15 0
25	0 0 0	13 10 0	...	...	...	...	...	...	...	...	...
153	0 0 0	206 16 0	...	...	...	...	...	...	...	...	...
...
...
25	0 0 0	54 7 12	...	...	...	...	...	...	56	0 0 0	113 15 0
206	0 0 0	135 2 0	...	...	...	...	...	...	22	0 0 0	14 18 0
5593	0 0 0	3861 1 0	...	...	...	...	...	...	2608	0 0 0	1362 0 0
485	0 0 0	620 0 0	...	...	...	...	...	...	140	0 0 0	140 3 0
(112	0 0 0	100 3 12 )	...	...	...	...	...	...	...	...	...
(104	0 0 0	118 9 0 )	...	...	...	...	...	...	219	0 0 0	77 7 0
20	0 0 0	8 0 0	...	...	...	...	...	...	...	...	...
...
...
21	0 0 0	29 11 0	...	...	...	...	...	...	100	0 0 0	40 5 0
20	0 0 0	55 0 0	...	...	...	...	...	...	26	16 0 0	81 13 0
...
50	0 0 0	16 5 0	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	54	0 0 0	50 9 0
35	0 0 0	23 0 0	...	...	...	...	...	...	...	...	...
24	0 0 0	8 11 0	...	...	...	...	...	...	...	...	...
12	0 0 0	6 15 9	...	...	...	...	...	...	...	...	...
11	0 0 0	12 9 0	...	...	...	...	...	...	...	...	...
...
50	0 0 0	25 0 0	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	11	0 0 0	218 18 0
109	0 0 0	176 0 0	...	...	...	...	...	...	...	...	...
64	0 0 0	80 12 12	...	...	...	...	...	...	22	0 0 0	48 0 0
...	...	...	*60	14 0	...	...	...	...	...	...	...
...
34	0 0 0	57 15 0	...	...	...	...	...	...	...	...	...
40	0 0 0	70 0 0	...	...	...	...	...	...	50	0 0 0	70 0 0
...
...
...
7587	0 0 0	6413 7 0	65	6 0	...	...	...	...	3641	16 0 0	2831 7 0

* Dollied.

TABLE No. II.—Return of

Murchison

MOUNT MAGNET

Official Numbers of Leases.	Name of Lease.	Name of Company.	FOURTH QUARTER OF 1897.				
			Dollied and Specimens. oz. dwt. gr.	Concentrates.		Tailings.	
				tons.	ozs. dwts. grs.	tons.	ozs. dwts. grs.
304M	Black Diamond...	...	...	...	...	...
184M	Bonanza	...	...	...	...	...
43M	Bungarrow	...	...	...	...	...
74M, 78M	...	British Exploration Co., Ltd.	...	...	...	...
48M	Chalk's Brilliant	...	...	...	...	...
80M	...	Corsair Consolidated G.M. Co., Ltd.	...	...	...	...
172M	Eclipse	...	* 4	16	0	...	
281M	Edith Ellen	...	...	...	...	...
185M	Exchange	...	...	...	...	...
333M	Fair Play	...	...	...	...	...
343M	Galtee Moore	...	...	...	...	...
327M	Gibson's Choice	...	...	...	...	...
173M	Golden Crown	...	...	...	...	...
47M	Golden Giant	...	...	...	...	...
143M	Golden Giant West	...	...	...	...	...
201M	Golden Gem	...	...	...	...	...
224M	Golden Point	...	...	...	...	...
162M	Golden Stream	...	...	...	...	...
41M	Golden Treasure	...	...	...	...	...
225M	Grand Gorge	...	...	...	...	...
239M	Havelock	...	...	...	...	...
328M	Havelock Proprietary	...	*45	3	0	...	
189M, 190M, 191M	Jupiter 1, 2, and 3	...	...	...	...	...
169M	Lady Bunbury	...	...	...	...	...
31M	Long Reef North	...	...	...	...	...
322M	Magnet Gem	...	...	...	...	...
9M, 11M	...	Mayflower G. Mines, Ltd.	...	...	...	...
34M, 54M	Monarch	...	...	...	...	...
155M, 314M, 320M	...	Morning Star Quartz Crushing Co., N.L.	...	...	...	...
60M, 64M, 319M	...	Mt. Magnet G.M. Co., Ltd.	...	...	...	...
7M, 65M, 92M, 136M, 148M, 171M, 206M, 213M, 257M, 301M, 313M, 315M, 316M, 324M, 355M, 356M	...	Murchison New Chum Gold Mines, Limited	...	...	...	...
26M	New Chum South Extended	...	...	...	...	...
347M	National	...	...	...	...	...
292M	New Year's Gift	...	...	...	...	...
23M	North Yule Tide	...	...	...	...	...
66M, 40M	Occidental and Occidental Extended	...	...	...	...	...
160M	O.K.	...	*38	0	0	...	
45M	Pearl of Ben Rose	...	...	...	...	...
32M	Primrose	...	...	...	...	...
35M	Rock of Ages	...	...	...	...	...
307M	Rock of Cashel	...	...	...	...	...
278M	Royal Surprise	...	...	...	...	...
2M	South Pearl	...	...	...	...	...
336M	Star of the West	...	*18	0	0	...	
63M	Tarquin	...	...	...	...	...
332M	Three Stars	...	*61	0	0	...	
127M	Venus	...	...	...	...	...
262M	Wah-Wah	...	...	...	...	...
57M	Welcome	...	*100	0	0	...	
334M	Wrayfield	...	...	...	...	...
109M	Wheel of Fortune North Extended	...	...	...	...	...
103M	Wheel of Fortune North	...	...	...	...	...
353M	Wellington	...	*6	0	0	...	
...	Quartz Claim, 33M Public Crashings	...	...	...	...	...
			272	19	0		

*Dollied.

Ore Milled, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

FOURTH QUARTER OF 1897—continued.				TOTALS FOR 1897.		
Ore Smelted.		Ore Milled.		Dolled and Specimens.	Ore Treated.	Gold Yield.
tons cwt. qrs. lbs.	ozs. dwts. grs.	tons cwt. qrs. lbs.	ozs. dwts. grs.			
...	...	29 0 0 0	25 9 0	...	29 0 0 0	25 9 0
...	40 0 0 0	20 0 0
...	88 0 0 0	59 18 0
...	110 0 0 0	114 13 0
...
...	88 0 0 0	138 12 0
...	4 16 0	...	...
...
...	...	11 0 0 0	5 14 0	...	11 0 0 0	5 14 0
...	...	50 0 0 0	70 14 0	...	50 0 0 0	70 14 0
...	...	27 0 0 0	8 14 17	...	27 0 0 0	8 14 17
...	...	87 0 0 0	176 9 0	...	112 0 0 0	304 12 0
...	92 0 0 0	216 14 0
...	...	21 0 0 0	26 3 0	...	21 0 0 0	26 3 0
...	40 0 0 0	10 7 0
...	14 0 0 0	7 10 0
...	4 12 0	...	3 0 0
...	...	170 0 0 0	150 0 0	...	204 0 0 0	173 14 0
...	24 0 0 0	52 8 12
...	...	23 0 0 0	138 15 0	...	117 0 0 0	579 15 0
...	...	50 0 0 0	45 0 0	...	75 0 0 0	109 1 12
...	...	12 0 0 0	45 15 0	...	12 0 0 0	45 15 0
...	...	32 0 0 0	28 14 0	45 3 0	75 0 0 0	61 16 3
...	35 0 0 0	19 5 0
...	153 0 0 0	206 16 0
...	...	22 0 0 0	14 3 12	...	22 0 0 0	14 3 12
...	...	25 0 0 0	43 14 0	...	106 0 0 0	211 16 12
...	...	70 0 0 0	30 10 0	...	298 0 0 0	180 10 0
...	...	3903 0 0 0	1311 4 0	...	12104 0 0 0	6534 5 0
...	...	118 0 0 0	54 11 0	...	743 0 0 0	814 14 0
...	...	{ 202 0 0 0	{ 105 12 0 }	...	747 0 0 0	455 13 0
...	...	{ 110 0 0 0	{ 54 1 12 }	...	...	...
...	...	42 0 0 0	13 1 0	...	62 0 0 0	21 1 0
...	...	11 0 0 0	5 3 0	...	11 0 0 0	5 3 0
...	...	20 0 0 0	20 12 0	...	20 0 0 0	20 12 0
...	121 0 0 0	69 16 0
...	46 16 0 0	136 13 0
...	...	31 0 0 0	95 0 0	38 0 0	31 0 0 0	95 0 0
...	50 0 0 0	16 5 0
...	54 0 0 0	50 9 0
...	35 0 0 0	23 0 0
...	24 0 0 0	8 11 0
...	12 0 0 0	6 15 9
...	11 0 0 0	12 9 0
...	...	16 0 0 0	2 11 0	18 0 0	16 0 0 0	2 11 0
...	50 0 0 0	25 0 0
...	...	55 0 0 0	74 13 0	61 0 0	66 0 0 0	293 11 0
...	109 0 0 0	176 0 0
...	...	18 0 0 0	32 7 0	...	104 0 0 0	160 19 12
...	160 14 0	...	...
...	...	55 0 0 0	71 13 0	...	55 0 0 0	74 13 0
...	34 0 0 0	57 15 0
...	90 0 0 0	140 0 0
...	6 0 0	...	...
...	...	44 0 0 0	34 0 0	...	44 0 0 0	34 0 0
...
...	...	5254 0 0 0	2687 3 17	338 5 0	16482 16 0 0	11931 17 17

TABLE NO. II.—Return of

Murchison
MOUNT MAGNET

Official Numbers of Leases.	Name of Lease.	Name of Company.	TOTALS PREVIOUS TO 1897.		
			Ounces from Unknown Tons.	Dolled and Specimens. ozs. dwts. grs.	Ore Treated. tons cwt. qrs. lbs.
304M	Black Diamond...	...	...	...	...
184M	Bonanza	...	...	...	...
43M	Bungarow	...	...	...	...
71M, 78M	...	British Exploration Co., Ltd.	...	...	...
48M	Chalk's Brilliant	...	...	...	100 0 0 0
80M	...	Corsair Consolidated G.M., Ltd.	...	...	...
172M	Eclipse	...	...	...	...
281M	Edith Ellen	...	...	...	...
185M	Exchange	...	...	...	...
333M	Fair Play	...	...	...	...
343M	Galtee Moore	...	...	...	...
327M	Gibson's Choice	...	...	...	...
173M	Golden Crown	...	...	...	...
47M	Golden Giant	...	...	...	...
143M	Golden Giant West	...	...	...	...
201M	Golden Gem	...	...	...	...
224M	Golden Point	...	...	...	...
162M	Golden Stream	...	...	...	...
41M	Golden Treasure	...	...	...	...
225M	Grand Gorge	...	...	...	...
239M	Havelock	...	...	...	...
328M	Havelock Proprietary	...	...	...	...
189M, 190M, 191M	Jupiter, 1, 2, and 3	...	...	...	...
169M	Lady Bunbury	...	...	...	...
31M	Long Reef North	...	...	...	...
322M	Magnet Gem	...	...	...	...
9M, 11M	...	Mayflower Gold Mines, Ltd.	...	...	...
34M, 54M	Monarch	...	...	...	...
155M, 314M, 320M	...	Morning Star Quartz Crushing Co., N.L.	...	...	15251 0 0 0
60M, 64M, 319M	...	Mt. Magnet G.M. Co., Ltd.	...	...	127 0 0 0
7M, 65M, 92M, 136M, 148M, 171M, 206M, 213M, 257M, 301M, 313M, 315M, 316M, 324M, 355M, 356M	...	Murchison New Chum Gold Mines, Limited	...	...	5376 0 0 0
26M	New Chum South Extended	...	...	...	...
347M	National	...	...	...	...
292M	New Year's Gift	...	...	...	...
23M	North Yule Tide	...	...	...	...
66M, 40M	Occidental and Occidental Extended	...	...	...	...
160M	O.K.	...	...	...	...
45M	Pearl of Ben Rose	...	...	...	16 0 0 0
32M	Primrose	...	...	...	...
35M	Rock of Ages	...	...	...	...
307M	Rock of Cashel	...	...	...	...
278M	Royal Surprise	...	...	...	...
2M	South Pearl	...	...	...	...
336M	Star of the West	...	...	...	...
63M	Tarquin	...	...	...	...
332M	Three Stars	...	...	...	...
127M	Venus	...	...	...	31 0 0 0
262M	Wah-Wah	...	...	...	...
57M	Welcome	...	...	...	...
334M	Wrayfield	...	...	...	...
109M	Wheel of Fortune North Extended	...	...	...	...
103M	Wheel of Fortune North	...	...	...	...
353M	Wellington	...	...	...	...
...	Quartz Claim, 33M	...	...	...	...
...	Public Crushings	...	...	...	817 0 0 0
				2199 0 0	21718 0 0 0

† Specimens.

Ore Milled, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

Gold Yield. ozs. dwts. grs.	TOTAL GOLD PRODUCTION.					Mint Value of Gold per Ounce.		
	Ounces from Unknown Tons.	Dolled and Specimens.	Ore Treated.	Gold Yield.	Average.			
	ozs. dwts. grs.	ozs. dwts. grs.	tons cwt. qrs. lbs.	ozs. dwts. grs.	ozs. dwts. grs.	£	s.	d.
...	29 0 0 0	25 9 0	0 17 13			
...	40 0 0 0	20 0 0	0 10 0			
...	88 0 0 0	59 18 0	0 13 14			
...	110 0 0 0	144 13 0	1 6 7			
167 0 0	100 0 0 0	167 0 0	1 13 9			
...	88 0 0 0	138 12 0	1 11 12			
...	...	4 16 0	...	...	...
...	11 0 0 0	5 14 0	0 10 8	3	13	0
...	50 0 0 0	70 14 0	1 8 6			
...	27 0 0 0	8 14 17	0 6 11			
...	112 0 0 0	304 12 0	2 14 9			
...	92 0 0 0	216 14 0	2 7 2			
...	21 0 0 0	26 3 0	1 4 21			
...	40 0 0 0	10 7 0	0 5 10			
...	14 0 0 0	7 10 0	0 10 17			
...	...	4 12 0	...	3 0 0	...			
...	204 0 0 0	173 4 0	0 16 23	4	0	0
...	24 0 0 0	52 8 12	2 3 16			
...	117 0 0 0	579 15 0	4 19 2	4	0	0
...	75 0 0 0	109 1 12	1 9 2			
...	...	45 3 0	12 0 0 0	45 15 0	3 16 6			
...	75 0 0 0	61 16 3	0 16 11	4	0	0
...	35 0 0 0	19 5 0	0 11 0			
...	153 0 0 0	206 16 0	1 7 0			
...	22 0 0 0	14 3 12	0 12 21			
...	106 0 0 0	211 16 12	1 19 23	3	19	10
...	298 0 0 0	180 10 0	0 12 2			
10449 1 0	27355 0 0 0	16983 6 0	0 12 10			
187 0 0	870 0 0 0	1001 14 0	1 3 0	3	10	0
19114 0 0	6123 0 0 0	19569 13 0	3 3 22	4	0	0
...	62 0 0 0	21 1 0	0 6 19	4	0	0
...	11 0 0 0	5 3 0	...			
...	20 0 0 0	20 12 0	1 0 14			
...	121 0 0 0	69 16 0	0 11 12			
...	46 16 0 0	136 13 0	2 18 9			
...	...	38 0 0	31 0 0 0	95 0 0	...	3	18	10
17 0 0	66 0 0 0	33 5 0	0 10 1			
...	54 0 0 0	50 9 0	0 18 16			
...	35 0 0 0	23 0 0	0 13 3			
...	24 0 0 0	8 11 0	0 7 3			
...	12 0 0 0	6 15 9	0 11 6			
...	11 0 0 0	12 9 0	1 2 15			
...	...	18 0 0	16 0 0 0	2 11 0	0 3 4			
...	50 0 0 0	25 0 0	0 10 0			
...	...	61 0 0	66 0 0 0	293 11 0	4 8 22			
1184 0 0	140 0 0 0	1360 0 0	9 14 6			
...	104 0 0 0	160 19 12	1 10 22	3	17	10½
...	...	2359 14 0	...	...	...
...	55 0 0 0	74 13 0	1 7 3			
...	34 0 0 0	57 15 0	1 13 23			
...	90 0 0 0	140 0 0	1 11 2			
...	...	6 0 0	...	...	...
...	44 0 0 0	34 0 0	0 15 10			
1838 0 0	817 0 0 0	1838 0 0	2 4 23			
32956 1 0	...	2537 5 0	38200 16 0 0	44887 8 17	1 3 12			

TABLE No. II.—Return of

Yalgoo

YALGOO

Official Numbers of Leases.	Name of Lease.	Name of Company.	FIRST HALF OF 1897.				
			Dolled and Specimens. oz. dwt. gr.	Concentrates.		Tailings.	
				tons.	ozs. dwts. grs.	tons.	ozs. dwts. grs.
316	Adelaide...	...	...	...	...	...	...
383	Crescent...	...	...	...	...	...	...
199	Carlisle ...	...	...	...	...	...	...
228, 230, 26, 27	...	Dollar Gold Mines, Ltd.	...	...	...	...	...
129, 189, 196	...	Emerald Reward, G.M. Co., Ltd.	...	...	...	...	...
57	...	Empire G.M. Co.	...	...	...	...	...
279	...	Enterprise G.M. Co.	...	...	...	...	...
388	Gladstone ...	...	...	...	...	...	...
R.C. 5, 6, 7, 34, 53, 54	...	Gullewa G.M. Co., Ltd.	...	...	...	...	...
17	Gullewa Queen ...	...	...	...	...	...	...
235, 95, 146, 76, 211, 212	King of Spades...	Joker (Yalgoo) G. Mines, Ltd.	...	...	...	...	...
59	Lady Elizabeth ...	...	...	...	...	...	...
4, 21	May Queen ...	...	...	...	...	...	...
75	Miner's Right ...	Joker (Yalgoo) G. Mines, Ltd.	...	...	...	...	...
41	Mystery ...	...	...	...	...	...	...
159	Nyngan ...	...	...	...	...	...	...
367	Royal Standard...	...	...	...	...	...	...
9, 85, 233...	Sovereign ...	Yalgoo Proprietary, G.Ms., Ltd.	...	...	...	...	...
231	Victoria United ...	W.A. Venture Syndicate, Ltd.	...	...	...	...	...
261	Queen of Yalgoo ...	...	...	...	...	...	...
	Public crushings from other mines	...	...	...	...	...	...

YALGOO

Official Numbers of Leases.	Name of Lease.	Name of Company.	FOURTH QUARTER OF 1897.				
			Dolled and Specimens. oz. dwt. gr.	Concentrates.		Tailings.	
				tons.	ozs. dwts. grs.	tons.	ozs. dwts. grs.
316	Adelaide...	...	...	...	...	...	...
383	Crescent...	...	...	...	...	...	...
199	Carlisle ...	...	...	...	...	...	...
228, 230, 26, 27	...	Dollar Gold Mines, Ltd.	...	...	...	...	...
129, 189, 196	...	Emerald Reward G.M. Co., Ltd.	...	...	...	...	...
57	...	Empire G.M. Co.	...	...	...	...	...
279	...	Enterprise G.M. Co.	...	...	...	...	...
388	Gladstone ...	...	...	...	...	...	...
R.C. 5, 6, 7, 34, 53, 54	...	Gullewa G.M. Co., Ltd.	...	...	...	...	...
17	Gullewa Queen ...	...	...	...	...	...	...
235, 95, 146, 76, 211, 212	King of Spades...	Joker (Yalgoo) G. Mines, Ltd.	...	...	...	...	...
59	Lady Elizabeth...	...	...	...	...	...	...
4, 21	May Queen ...	...	...	...	...	...	...
75	Miner's Right ...	Joker (Yalgoo) G. Mines, Ltd.	...	...	...	...	...
41	Mystery ...	...	...	...	...	...	...
159	Nyngan ...	...	...	...	...	...	...
367	Royal Standard...	...	...	...	...	...	...
9, 85, 233 ...	Sovereign ...	Yalgoo Proprietary G.Ms., Ltd.	...	...	...	...	...
231	Victoria United ...	W.A. Venture Syndicate, Ltd.	...	...	...	...	...
261	Queen of Yalgoo ...	...	...	...	...	...	...
	Public crushings from other mines	...	...	...	...	...	...

Ore Milled, etc.—continued.

Goldfield.

DISTRICT.

THIRD QUARTER OF 1897.											
Ore Milled.		Dollied and Specimens. oz. dwt. gr.	Concentrate.		Tailings.		Ore Smelted.		Ore Milled.		
tons cwt. qrs. lbs.	ozs. dwts. grs.		tons.	ozs.	tons.	ozs.	tons.	ozs.	tons cwt. qrs. lbs.	ozs. dwts. grs.	
...	...	...	...	...	...	...	...	...	...	10 0 0 0	2 0 15
...	...	...	...	...	...	...	...	...	...	12 0 0 0	4 16 0
45 0 0 0	21 13 0	...	...	...	...	...	...	...	...	...	...
0 7 0 0	0 13 0	...	...	...	...	...	...	...	...	...	...
95 0 0 0	53 3 0	...	...	...	...	...	...	...	...	140 0 0 0	200 0 0
...	...	...	...	...	...	...	...	...	...	10 0 0 0	10 0 0
...
...	...	...	...	...	...	...	...	...	...	8 0 0 0	12 7 0
290 0 0 0	488 19 0	...	...	...	...	...	...	...	...	380 0 0 0	529 0 0
120 0 0 0	80 3 0	...	...	...	...	...	...	...	...	...	...
490 0 0 0	204 0 6	...	...	...	...	...	...	...	...	...	...
...
...	...	...	...	...	...	...	...	...	...	64 0 0 0	5 10 0
...
...	...	...	...	...	...	...	...	...	...	64 0 0 0	17 10 4
...	...	...	...	...	...	...	...	...	...	88 0 0 0	80 10 0
1 0 0 0	7 0 0	...	...	...	...	...	...	...	...	...	...
25 0 0 0	26 0 0	...	...	...	...	...	...	...	...	52 0 0 0	52 0 0
25 0 0 0	5 0 0	...	...	...	...	...	...	...	...	...	...
490 0 0 0	306 9 15	...	...	...	...	...	...	...	...	275 0 0 0	184 11 12
...	...	...	...	...	...	...	...	...	...	6 0 0 0	6 0 0
...
1581 7 0 0	1193 0 21	...	...	...	...	...	...	...	...	1109 0 0 0	1104 5 7

DISTRICT—continued.

FOURTH QUARTER OF 1897—continued.				TOTALS FOR 1897.		
Ore Smelted.		Ore Milled.		Dollied and Specimens. ozs. dwts. grs.	Ore Treated.	Gold Yield.
tons cwt. qrs. lbs.	ozs. dwts. grs.	tons cwt. qrs. lbs.	ozs. dwts. grs.				tons cwt. qrs. lbs.	ozs. dwts. grs.
...	10 0 0 0	2 0 15
...	12 0 0 0	4 16 0
...	45 0 0 0	21 13 0
...	...	0 2 1 12	0 9 17	...	0 9 1 12	1 2 17
...	...	328 0 0 0	335 0 0	...	563 0 0 0	588 3 0
...	10 0 0 0	10 0 0
...	...	39 10 0 0	15 10 0	...	39 10 0 0	15 10 0
...	...	8 0 0 0	4 0 0	...	16 0 0 0	16 7 0
...	...	525 0 0 0	730 10 0	...	1195 0 0 0	1748 9 0
...	120 0 0 0	80 3 0
...	490 0 0 0	204 0 6
...
...	64 0 0 0	5 10 0
...
...	64 0 0 0	17 10 4
...	...	53 0 0 0	48 16 0	...	141 0 0 0	129 6 0
...	1 0 0 0	7 0 0
...	...	23 0 0 0	24 4 0	...	100 0 0 0	102 4 0
...	25 0 0 0	5 0 0
...	765 0 0 0	491 1 3
...	6 0 0 0	6 0 0
...
...	...	976 12 1 12	1158 9 17	...	3666 19 1 12	3455 15 21

TABLE No. II.—Return of

Yalgoo

YALGOO

Official Numbers of Leases.	Name of Lease.	Name of Company	TOTALS PREVIOUS TO 1897.		
			Ounces from Unknown Tons.	Dolled and Specimens. ozs. dwts. grs.	Ore Treated. tons cwt. qrs. lbs.
316	Adelaide...	...	...	...	...
383	Crescent...	...	...	...	...
199	Carlisle	...	...	...	...
228, 230, 26, 27	...	Dollar Gold Mines, Ltd.	...	...	...
129, 189, 196	...	Emerald Reward G.M. Co., Ltd.	...	...	1731 0 0 0
57	...	Empire G.M. Co.	...	...	...
279	...	Enterprise G.M. Co.	...	...	...
388	Gladstone	...	...	...	...
E.C. 5, 6, 7, 34, 53, 54	...	Gullewa G.M. Co., Ltd.	...	...	80 0 0 0
17	Gullewa Queen	...	...	...	...
235, 95, 146, 76, 211, 212	King of Spades	Joker (Yalgoo) G. Mines, Ltd.	...	...	...
59	Lady Elizabeth	...	...	...	...
4, 21	May Queen	...	...	...	68 0 0 0
75	Miner's Right	Joker (Yalgoo) G. Mines, Ltd.	...	...	...
41	Mystery	...	...	...	...
159	Nyngan	...	...	...	...
367	Royal Standard	...	...	...	...
9, 85, 233	Sovereign	Yalgoo Proprietary G.Ms., Ltd.	...	...	...
231	Victoria United	W.A. Venture Syndicate, Ltd.	...	...	...
261	Queen of Yalgoo	...	...	...	...
	Public crushings from other mines	...	...	...	609 0 0 0
					2488 0 0 0

Ore Milled, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

Gold Yield. ozs. dwts. grs.	TOTAL GOLD PRODUCTION.					Mint Value of Gold per Ounce.		
	Ounces from Unknown Tons.	Dolled and Specimens. ozs. dwts. grs.	Ore Treated. tons cwt. qrs. lbs.	Gold Yield. ozs. dwts. grs.	Average. ozs. dwts. grs.	£	s.	d.
...	10 0 0 0	2 0 15	0 4 1			
...	12 0 0 0	4 16 0	0 8 0			
...	45 0 0 0	21 13 0	0 9 14			
...	0 9 1 12	1 2 17	...	4	0	0
6344 0 0	2294 0 0 0	6932 3 0	3 0 10	3	14	0
...	10 0 0 0	10 0 0	1 0 0			
...	39 10 0 0	15 10 0	0 7 20	3	14	0
...	16 0 0 0	16 7 0	1 1 1	4	0	0
135 0 0	1275 0 0 0	1883 9 0	1 9 13	3	17	10½
...	120 0 0 0	80 3 0	0 13 8			
...	490 0 0 0	204 0 6	0 8 7			
...	64 0 0 0	5 10 0	0 1 17			
29 0 0	68 0 0 0	29 0 0	0 8 12			
...	64 0 0 0	17 10 4	0 5 11			
...	141 0 0 0	129 6 0	0 18 8	3	15	0
...	1 0 0 0	7 0 0				
...	100 0 0 0	102 4 0	1 0 10	3	15	0
...	25 0 0 0	5 0 0	0 4 0			
...	765 0 0 0	491 1 3	0 12 20			
...	6 0 0 0	6 0 0	1 0 0			
719 0 0	609 0 0 0	719 0 0	1 3 14			
7227 0 0			6154 19 1 12	10682 15 21	1 14 17			

TABLE NO. II.—Return of

Mount Margaret

MOUNT MALCOLM

Official Numbers of Leases.	Name of Lease.	Name of Company.	FIRST HALF OF 1897.				
			Dollied and Specimens. oz. dwt. gr.	Concentrates.		Tailings.	
				tons.	ozs. dwts. grs.	tons.	ozs. dwts. grs.
388c	Alicia	...	...	...	...	...
52c, 53c	...	Arrow Brown Hill Gold Mining Co., Limited	...	...	...	...
125c	...	Australian United Gold Mining Co., Limited	...	...	...	...
201c	Black Chief Extended	...	...	...	...	...
127c	Black Chief	...	...	...	...	...
88c	Bohemians	...	...	...	...	...
368c	Bow Bells	...	...	...	...	...
458c	Bung Eye	...	...	...	...	...
438c	Chicago East	...	...	...	...	...
403c	Derby	...	...	...	...	...
18c	Diorite King	...	...	...	...	...
212c	Dover Castle	...	...	...	...	...
227c	East Lynne	...	...	...	...	...
75c	Federal No. 1	...	...	...	...	...
452c	Flying Pig	...	...	...	...	...
210c	Forest	...	...	...	...	...
462c	Glen Lyon	...	...	...	...	...
142c, 164c	...	Golden Prince G.M. Co., N.L.	...	...	...	...
355c	Golden Sunset	...	...	...	...	...
256c	Great Surprise	...	...	...	...	...
459c	Gwalia Bach	...	...	...	...	...
78c	Keep it Dark	...	...	...	...	...
335c	King of the Hills	...	...	...	...	...
342c	King of the Hills North	...	...	...	...	...
418c	King of the Hills No. 1 Consolidated	...	...	...	...	...
435c	Kilkenny Queen	...	...	...	...	...
240c	Leonidas	...	...	...	...	...
195c	Leonora Gold Blocks	...	...	...	...	...
190c, 207c	...	Sons of Gwalia, Ltd.	...	...	...	...
36c, 11c	...	Mount Malcolm Proprietary Gold Mining Co., Ltd.	...	...	...	...
441c	Mt. Stirling	...	...	...	...	...
291c	Middlesex Gold Mines (W.A.), Ltd.	...	...	...	...	...
2c, 3c, 26c	...	North Star Gold Mines, Ltd.	...	...	...	...
385c	Pride of the North	...	...	...	...	...
259c	Possible	...	...	...	...	...
364c	Queen Mary	...	...	...	...	...
443c	Rose of Tralee	...	...	...	...	...
455c	Rajah	...	...	...	...	...
146c	Sunday	...	...	...	...	...
263c	Trump	...	...	...	...	...
432c	Terrible Blow	...	...	...	...	...
58c	Victorian	...	...	...	...	...
65c	Webster's Syndicate No. 1	...	...	...	...	...
66c	Do. No. 2	...	...	...	...	...
115c	Do. South	...	...	...	...	...
305c	Wonder	...	...	...	...	...
467c	Worcester	...	...	...	...	...
306c	Young Australian	...	...	...	...	...
			* 1800	...	...	...
			* 1800	...	...	...
	From Alluvial Claims	...	...	...	...	...

* Dollied.

Ore Milled, etc.—continued.

Goldfield.

DISTRICT.

THIRD QUARTER OF 1897.

Ore Milled.		Dolled and Specimens. oz. dwt. gr.	Concentrates.		Tailings.		Ore Smelted.		Ore Milled.			
tons	cwt. qrs. lbs.		tons.	ozs.	tons.	ozs.	tons.	ozs.	tons	cwt. qrs. lbs.	ozs. dwts. grs.	
20	0 0 0	40 7 12	...	...	...	...	...	...	...	...	...	...
...
...
...	...	...	...	...	...	...	...	...	...	4	0 0 0	4 0 0
...	...	...	...	...	...	...	...	...	...	8	8 0 0	14 11 15
...	...	...	...	...	...	...	...	...	...	24	0 0 0	52 8 0
...	...	...	...	...	...	...	...	...	...	7	0 0 0	22 16 0
...	...	...	...	...	...	...	...	...	...	20	0 0 0	20 5 12
3	4 0 0	27 4 16	...	...	...	...	...	...	...	160	0 0 0	614 1 0
0	0 3 0	40 0 0	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	6	1 2 0	64 3 17
...	...	...	+66	5 0	...	...	...	...	...	...	...	...
0	1 0 0	1 7 0	...	...	...	...	...	...	...	25	0 0 0	30 10 0
...	...	...	...	...	...	...	...	...	...	10	0 0 0	16 6 0
3	10 0 0	375 0 0	...	...	...	...	...	...	...	...	...	...
...	...	...	+77	0 0	...	...	...	...	...	9	10 0 0	11 0 0
...	...	...	...	...	...	...	...	...	...	10	0 0 0	14 17 0
...	...	...	+15	0 0	...	...	...	...	...	...	...	...
0	18 2 0	20 18 0	...	...	...	...	...	...	...	...	...	...
751	0 0 0	2110 0 0	...	...	...	...	...	...	...	100	0 0 0	522 4 0
...	...	...	...	...	...	...	...	...	...	1920	0 0 0	1782 0 0
...	...	...	...	...	...	...	...	...	...	312	0 0 0	441 4 0
...
...	...	...	...	...	...	...	...	...	...	15	0 0 0	26 0 0
1397	0 0 0	1602 0 0	...	...	...	...	...	...	...	917	0 0 0	925 6 0
0	4 0 0	19 14 12	...	...	...	...	...	...	...	5	2 0 0	34 5 15
...	...	...	...	...	...	...	...	...	...	50	0 0 0	201 18 0
...
...	...	...	...	...	...	...	...	...	...	16	0 0 0	36 7 0
...	...	...	...	...	...	...	...	...	...	5	12 0 0	23 17 9
1	15 0 0	185 3 21	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	16	0 0 0	38 5 0
...
881	0 0 0	313 5 13	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	117	0 0 0	41 17 0
3	10 0 0	70 0 0	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	6	0 0 0	12 3 4
...
3012	3 1 0	4805 1 2	+158	5 0	...	...	...	...	...	3763	13 2 0	4950 6 0
...	...	...	374	14 9	...	...	...	...	...	...	...	...

† Specimens.

TABLE No. II.—Return of

Mount Margaret

MOUNT MALCOLM

Official Numbers of Leases.	Name of Lease.	Name of Company	FOURTH QUARTER OF 1897.						
			Dolled and Specimens. oz. dwt. gr.	Concentrates.			Tailings.		
				tons.	ozs.	dwt.	grs.	tons.	ozs. dwt. grs.
388c	Alicia	...	...	...	...	...	...	...	...
52c, 53c	...	Arrow Brown Hill Gold Mining Co., Limited	...	...	...	...	...	...	...
125c	...	Australian United Gold Mining Co., Limited	...	...	...	...	...	...	...
201c	Black Chief Extended	...	...	...	...	...	...	...	...
127c	Black Chief	...	...	...	...	...	...	...	...
88c	Bohemians	...	...	...	...	...	...	...	...
368c	Bow Bells	...	...	...	...	...	...	...	...
458c	Bung Eye	...	...	...	...	...	...	...	...
438c	Chicago East	...	...	...	...	...	...	...	...
403c	Derby	...	...	...	...	...	...	...	...
18c	Diorite King	...	...	...	...	...	...	...	...
212c	Dover Castle	...	...	...	...	...	...	...	...
227c	East Lynne	...	...	...	...	...	...	...	...
75c	Federal No. 1	...	...	...	...	...	...	...	...
452c	Flying Pig	...	...	...	...	...	...	...	...
210c	Forest	...	...	...	...	...	...	...	...
462c	Glen Lyon	...	...	...	...	...	...	...	...
142c, 164c	...	Golden Prince G.M. Co., N.L.	...	...	...	...	...	...	...
355c	Golden Sunset	...	...	...	...	...	...	...	...
250c	Great Surprise	...	...	...	...	...	...	...	...
459c	Gwalia Bach	...	...	...	...	...	...	...	...
78c	Keep it Dark	...	...	...	...	...	...	...	...
335c	King of the Hills	...	...	...	...	...	...	...	...
342c	King of the Hills North	...	...	...	...	...	...	...	...
418c	King of the Hills No. 1 Consolidated	...	...	...	...	...	...	...	...
435c	Kilkenny Queen	...	...	...	...	...	...	...	...
240c	Leonidas	...	...	...	...	...	...	...	...
195c	Leonora Gold Blocks	...	...	...	...	...	...	...	...
190c, 207c	...	Sons of Gwalia, Ltd.	...	...	...	...	...	...	...
36c, 11c	...	Mount Malcolm Proprietary Gold Mining Co., Ltd.	...	...	...	...	...	...	...
441c	Mt. Stirling	...	...	...	...	...	...	...	...
291c	Middlesex Gold Mines (W.A.), Ltd.	...	...	...	...	...	...	...	...
2c, 3c, 26c	...	North Star Gold Mines, Ltd.	...	...	...	...	...	...	...
885c	Pride of the North	...	...	...	...	...	...	...	...
259c	Possible	...	...	...	...	...	...	...	...
364c	Queen Mary	...	...	...	...	...	...	...	...
443c	Rose of Tralee	...	...	...	...	...	...	...	...
455c	Rajah	...	...	...	...	...	...	...	...
146c	Sunday	...	...	...	...	...	...	...	...
263c	Trump	...	...	...	...	...	...	16	12 10 0
432c	Terrible Blow	...	...	...	...	...	...	...	...
58c	Victorian	...	...	...	...	...	...	...	...
65c	Webster's Syndicate No. 1	}	...	...	...	...	...	...	...
66c	Do. No. 2		...	...	...	...	...	...	...
115c	Do. South		...	...	...	...	...	...	...
305c	Wonder	...	...	...	...	...	...	...	...
467c	Worcester	...	...	...	...	...	...	...	...
306c	Young Australian	...	...	...	...	...	...	...	...
			† 60 0 0	...	...	...	...	16	12 10 0
	From Alluvial Claims...	...	214 2 11	...	...	...	...	...	...

† Specimens.

Ore Milled, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

FOURTH QUARTER OF 1897—continued.				TOTALS FOR 1897.				
Ore Smelted.		Ore Milled.		Dolled and Specimens.	Ore Treated.		Gold Yield.	
tons cwt. qrs. lbs.	ozs. dwts. grs.	tons cwt. qrs. lbs.	ozs. dwts. grs.		tons cwt. qrs. lbs.	ozs. dwts. grs.	ozs. dwts. grs.	
...	20 0 0 0	40 7 12	
...	...	319 0 0 0	294 0 0	...	...	319 0 0 0	294 0 0
...	...	363 0 0 0	1199 0 0	...	...	363 0 0 0	1199 0 0
...	...	5 0 0 0	6 5 0	...	...	9 0 0 0	10 5 0
...	8 8 0 0	14 11 15	
...	...	5 0 0 0	11 8 0	...	...	5 0 0 0	11 8 0
...	24 0 0 0	52 8 0	
...	...	5 0 0 0	16 3 0	60 0 0	...	5 0 0 0	16 3 0	
...	...	7 0 0 0	22 17 0	...	...	14 0 0 0	45 13 0
...	20 0 0 0	20 5 12	
...	...	162 0 0 0	309 0 0	...	...	325 4 0 0	950 5 16
...	...	40 0 0 0	49 3 10	...	...	40 0 0 0	49 3 10
...	...	10 0 0 0	23 6 4	...	...	10 0 3 0	63 6 4
...	...	7 0 0 0	10 6 0	...	...	7 0 0 0	10 6 0
...	...	35 0 0 0	179 0 12	...	...	41 1 2 0	243 4 5
...	...	20 0 0 0	284 1 0	66 5 0	...	20 0 0 0	284 1 0	
...	...	15 0 0 0	40 17 0	...	...	15 0 0 0	40 17 0
...	...	155 0 0 0	81 4 15	...	...	180 0 0 0	111 14 15
...	0 1 0 0	1 7 0	
...	10 0 0 0	16 6 0	
...	...	30 0 0 0	50 2 0	...	...	30 0 0 0	50 2 0
...	...	11 10 0 0	67 8 0	...	...	15 0 0 0	442 8 0
...	...	0 5 0 0	56 17 12	77 0 0	...	0 5 0 0	56 17 12	
...	9 10 0 0	11 0 0	
...	...	20 0 0 0	24 0 0	...	...	30 0 0 0	38 17 0
...	15 0 0	...	...	...
...	...	27 0 0 0	53 3 12	...	...	27 18 2 0	74 1 12
...	...	54 0 0 0	324 16 0	...	...	154 0 0 0	847 0 0
...	...	2021 0 0 0	2999 14 0	...	...	4692 0 0 0	6891 14 0
...	...	700 0 0 0	799 17 0	...	...	1012 0 0 0	1241 1 0
...	...	10 0 0 0	43 0 0	...	...	10 0 0 0	43 0 0
...	15 0 0 0	26 0 0	
...	...	1121 15 0 0	966 16 12	...	...	3435 15 0 0	3494 2 12
...	5 6 0 0	54 0 3	
...	...	25 0 0 0	57 17 6	1800 0 0	...	75 0 0 0	259 15 6	
...	...	7 0 0 0	14 0 0	...	...	7 0 0 0	14 0 0
...	16 0 0 0	36 7 0	
...	5 12 0 0	23 17 9	
...	...	28 0 0 0	32 18 13	...	...	28 0 0 0	32 18 13
...	...	5 9 0 0	746 7 0	...	...	7 4 0 0	944 0 21
...	16 0 0 0	38 5 0	
...	...	31 0 0 0	90 6 0	...	...	31 0 0 0	90 6 0
...	
...	...	14 0 0 0	6 1 0	...	...	831 0 0 0	313 5 13
...	...	0 5 0 0	131 0 0	...	...	131 0 0 0	47 18 0
...	...	23 0 0 0	18 0 0	...	...	3 15 0 0	201 0 0
...	...	6 14 0 0	17 11 21	...	...	23 0 0 0	18 0 0
...	12 14 0 0	29 15 1	
...	...	5283 18 0 0	9026 7 21	2018 5 0	...	12059 14 3 0	18794 4 23	
...	588 16 20	...	...	...

TABLE No. II.—Return of

Mount Margaret

MOUNT MALCOLM

Official Numbers of Leases.	Name of Lease.	Name of Company	TOTALS PREVIOUS TO 1897.		
			Ounces from Unknown Tons.	Dolled and Specimens. ozs. dwts. grs.	Ore Treated. tons cwt. qrs. lbs.
388c	Alicia	...	...	...	...
52c, 53c	...	Arrow Brown Hill Gold Mining Co., Limited	...	...	...
125c	...	Australian United Gold Mining Co., Limited	...	...	...
201c	Black Chief Extended...	...	...	...	...
127c	Black Chief	...	...	...	...
88c	Bohemians	...	...	...	...
368c	Bow Bells	...	...	...	...
458c	Bung Eye	...	...	...	...
438c	Chicago East	...	...	...	...
403c	Derby	...	...	...	...
18c	Diorite King	...	...	...	...
212c	Dover Castle	...	...	...	...
227c	East Lynne	...	...	...	...
75c	Federal No. 1	...	...	...	...
452c	Flying Pig	...	...	...	...
210c	Forest	...	...	...	...
462c	Glen Lyon	...	...	...	...
142c, 164c	...	Golden Prince G.M. Co., N.L.	...	...	...
355c	Golden Sunset	...	...	...	...
256c	Great Surprise	...	...	...	...
459c	Gwalia Bach	...	...	...	...
78c	Keep it Dark	...	...	...	...
335c	King of the Hills	...	...	...	...
342c	King of the Hills North	...	...	...	...
418c	King of the Hills No. 1 Consolidated	...	...	...	...
435c	Kilkenny Queen	...	...	...	...
240c	Leonidas	...	...	...	...
195c	Leonora Gold Blocks	...	...	...	...
190c, 207c	...	Sons of Gwalia, Ltd.	...	...	...
36c, 11c	...	Mount Malcolm Proprietary Gold Mining Co., Ltd.	...	...	...
441c	Mt. Stirling	...	...	...	...
291c	Middlesex Gold Mines (W.A.) Ltd.	...	...	...	...
2c, 3c, 26c	...	North Star Gold Mines, Ltd.	...	...	...
385c	Pride of the North	...	...	...	...
259c	Possible	...	...	...	...
364c	Queen Mary	...	...	...	...
443c	Rose of Tralee	...	...	...	...
455c	Rajah	...	...	...	...
146c	Sunday	...	...	...	...
263c	Trump	...	...	...	1 0 0 0
432c	Terrible Blow	...	...	...	...
58c	Victoria	...	...	...	...
65c	Webster's Syndicate No. 1	...	...	...	...
66c	Do. No. 2	...	...	...	...
115c	Do. South	...	...	...	...
305c	Wonder	...	...	...	5 0 0 0
467c	Worcester	...	...	...	...
306c	Young Australian	...	...	...	...
					6 0 0 0
	From Alluvial Claims...	...	...	...	...

Ore, Milled, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

Gold Yield. ozs. dwts. grs.	TOTAL GOLD PRODUCTION.						Mint Value of Gold per Ounce.								
	Ounces from Unknown Tons.	Dolled and Specimens. ozs. dwts. grs.	Ore Treated.				Gold Yield.			Average.			£	s.	d.
			tons	cwt.	qrs.	lbs.	ozs.	dwts.	grs.	ozs.	dwts.	grs.			
...	20	0	0	0	40	7	12	2	0	9	3	13	6
...	319	0	0	0	294	0	0	18	10				
...	363	0	0	0	1199	0	0	3	6	1	3	12	6
...	9	0	0	0	10	5	0	1	2	18	3	12	6
...	8	8	0	0	14	11	15	1	14	17			
...	5	0	0	0	11	8	0	2	5	14	3	14	6
...	24	0	0	0	52	8	0	2	3	15			
...	...	60 0 0	5	0	0	0	16	3	0	3	4	14	3	17	10
...	14	0	0	0	45	13	0	3	5	5	3	13	0
...	20	0	0	0	20	5	12	1	0	6			
...	325	4	0	0	950	5	16	2	18	10	3	13	0
...	40	0	0	0	49	3	10	1	4	14	3	17	10½
...	10	0	3	0	63	6	4	6	6	14	3	12	6
...	7	0	0	0	10	6	0	1	9	10	3	12	6
...	41	1	2	0	243	4	5	5	18	15	3	17	10½
...	...	66 5 0	20	0	0	0	284	1	0	14	4	1	3	17	0
...	15	0	0	0	40	17	0	2	14	11	3	12	6
...	180	0	0	0	111	14	15	0	12	9	3	15	0
...	0	1	0	0	1	7	0						
...	10	0	0	0	16	6	0	1	12	14			
...	30	0	0	0	50	2	0	1	13	9	3	15	0
...	15	0	0	0	442	8	0	29	9	20	3	17	0
...	0	5	0	0	56	17	12	...	...	...	3	12	6
...	...	77 0 0	9	10	0	0	11	0	0	1	3	11			
...	30	0	0	0	38	17	0	1	5	21	3	10	0
...	...	15 0 0													
...	27	18	2	0	74	1	12	2	12	21	3	15	0
...	154	0	0	0	847	0	0	5	10	0	3	3	0
...	4692	0	0	0	6891	14	0	1	9	9	3	6	0
...	1012	0	0	0	1241	1	0	1	4	12	3	17	0
...	10	0	0	0	43	0	0	4	6	0	3	12	6
...	15	0	0	0	26	0	0	1	14	16			
...	3435	15	0	0	3494	2	12	1	0	8	3	16	6
...	5	6	0	0	54	0	3	10	3	19			
...	...	1800 0 0	75	0	0	0	259	15	6	3	9	6	3	17	10½
...	7	0	0	0	14	0	0	2	0	0	3	19	6
...	16	0	0	0	36	7	0	2	5	10			
...	5	12	0	0	23	17	9	4	5	6			
...	28	0	0	0	32	18	13	1	3	12	3	16	7
112 2 2	8	4	0	0	1056	2	23	...	...	...	3	10	8
...	16	0	0	0	38	5	0	2	7	19			
...	31	0	0	0	90	6	0	2	18	6	3	17	6
...	831	0	0	0	313	5	13	0	7	12			
4250 0 0	131	0	0	0	47	18	0	0	7	7	3	5	0
...	8	15	0	0	4451	0	0	...	...	...	3	12	6
...	23	0	0	0	18	0	0	0	15	15	3	10	0
...	12	14	0	0	29	15	1	2	6	20	3	10	0
4362 2 2	...	2018 5 0	12065	14	3	0	23156	7	1	1	18	9			
...	...	588 16 20	...	...	...	...	...	...	...	...	...	...

TABLE NO. II.—Return of

Mount Margaret

MOUNT MARGARET

Official Numbers of Leases.	Name of Lease.	Name of Company.	FIRST HALF OF 1897.				
			Dolled and Specimens. oz. dwt. gr.	Concentrates.		Tailings.	
				tons.	ozs. dwts. grs.	tons.	ozs. dwts. grs.
171T	Aeltunga						
593T	Alicia						
371T	Augusta						
723T	British Admiral						
358T	British Flag						
592T	Craggiemore						
755T	Corona Broken Hill						
754T	Crescent						
3T	Eagle Nest						
271T	Edinburgh Castle						
762T	Gladys						
249T	Golden Cliffs						
461T	Korong						
610T	Leap Year						
35T	Mt. Margaret Reward						
475T	Mount Barnicoat						
760T	Nil Desperandum						
478T	Queen of N. Extended						
38T	Redcastle No. 1 West						
751T	Redcastle Reward						
688T	Rosie Lidington						
717T	Terlinga						
321T		Westralia Mt. Morgan Gold Mines, Ltd.					

MOUNT MARGARET

Official Numbers of Leases.	Name of Lease.	Name of Company.	FOURTH QUARTER OF 1897.				
			Dolled and Specimens. oz. dwt. gr.	Concentrates.		Tailings.	
				tons.	ozs. dwts. grs.	tons.	ozs. dwts. grs.
171T	Aeltunga						
593T	Alicia						
371T	Augusta						
723T	British Admiral						
358T	British Flag						
592T	Craggiemore						
755T	Corona Broken Hill						
754T	Crescent						
3T	Eagle Nest						
271T	Edinburgh Castle						
762T	Gladys						
249T	Golden Cliffs						
461T	Korong						
610T	Leap Year						
35T	Mt. Margaret Reward						
475T	Mount Barnicoat						
760T	Nil Desperandum						
478T	Queen of N. Extended						
38T	Redcastle No. 1 West						
751T	Redcastle Reward						
688T	Rosie Lidington						
717T	Terlinga						
321T		Westralia Mt. Morgan Gold Mines, Ltd.					

Ore Milled, etc.—continued.

Goldfield—continued.

DISTRICT.

THIRD QUARTER OF 1897.																
Ore Milled.		Dolled and Specimens. oz. dwt. gr.	Concentrates.		Tailings.		Ore Smelted.		Ore Milled.							
tons	cwt. qrs. lbs.		tons.	ozs.	tons.	ozs.	tons.	ozs.	tons	cwt. qrs. lbs.	ozs. dwts. grs.					
...					
...					
...	...	...	...	...	...	...	...	...	5	0	0	0	10	2	0	
...	
...	
...	
50	0	0	0	118	0	0	...	...	...	100	0	0	0	5	0	0
...
...	...	...	...	...	...	...	...	...	...	150	0	0	0	5	0	0
...
135	0	0	0	98	11	0	...	...	...	...	...	...	...	...	...	...
18	0	0	0	36	0	0	...	...	...	...	...	...	...	...	...	...
...
...
...	...	...	...	...	...	...	...	...	...	20	0	0	0	47	0	0
...
25	0	0	0	31	15	0	...	...	...	...	...	...	...	...	...	...
7	0	0	0	8	10	0	...	...	...	...	...	...	...	...	...	...
...
235	0	0	0	292	16	0	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	275	0	0	0	67	2	0

DISTRICT—continued.

FOURTH QUARTER OF 1897—continued.				TOTALS FOR 1897.												
Ore Smelted.		Ore Milled.		Dolled and Specimens. ozs. dwts. grs.	Ore Treated.	Gold Yield.										
tons	cwt. qrs. lbs.	tons	cwt. qrs. lbs.				tons	cwt. qrs. lbs.	ozs. dwts. grs.							
...	...	4	0	0	0	4	16	0	...	4	0	0	0	4	16	0
...	...	8	15	0	0	12	16	16	...	8	15	0	0	12	16	16
...	...	50	0	0	0	183	6	0	...	50	0	0	0	183	6	0
...	...	5	0	0	0	10	2	0	...	10	0	0	0	20	4	0
...	...	15	0	0	0	83	6	0	...	15	0	0	0	83	6	0
...	...	10	0	0	0	14	5	2	...	10	0	0	0	14	5	2
...	...	13	0	0	0	33	6	12	...	13	0	0	0	33	6	12
...	...	4	0	0	0	22	0	0	...	4	0	0	0	22	0	0
...	100	0	0	0	5	0	0
...	...	22	0	0	0	62	0	0	...	72	0	0	0	180	0	0
...	...	4	15	0	0	9	0	0	...	4	15	0	0	9	0	0
...	150	0	0	0	5	0	0
...	...	10	0	0	0	63	16	6	...	10	0	0	0	63	16	6
...	...	100	0	0	0	100	6	0	...	100	0	0	0	100	6	0
...	...	318	0	0	0	109	16	12	...	453	0	0	0	208	7	12
...	18	0	0	0	36	0	0
...	...	15	0	0	0	15	10	0	...	15	0	0	0	15	10	0
...	...	20	0	0	0	47	0	0	...	40	0	0	0	94	0	0
...	...	4	10	0	0	9	15	0	...	4	10	0	0	9	15	0
...	25	0	0	0	31	15	0
...	...	21	0	0	0	43	15	0	...	28	0	0	0	52	5	0
...	...	4	0	0	0	6	0	0	...	4	0	0	0	6	0	0
...	...	629	0	0	0	830	17	0	...	1139	0	0	0	1190	15	0

TABLE No. II.—Return of

Mount Margaret

MOUNT MARGARET

Official Numbers of Leases.	Name of Lease.	Name of Company.	TOTALS PREVIOUS TO 1897.		
			Ounces from Unknown Tons.	Dolled and Specimens. ozs. dwts. grs.	Ore Treated. tons cwt. qrs. lbs.
171T	Aeltunga				
593T	Alicia				
371T	Augusta				
723T	British Admiral				
358T	British Flag			300 0 0	
592T	Craggiemore				
755T	Corona Broken Hill				
754T	Crescent				
3T	Eagle Nest				
271T	Edinburgh Castle				
762T	Gladys				
249T	Golden Cliffs				
461T	Korong				
610T	Leap Year				
35T	Mt. Margaret Reward				225 0 0 0
475T	Mount Barnicoat				
760T	Nil Desperandum				
478T	Queen of N. Extended				
38T	Redcastle No. 1 West				
751T	Redcastle Reward				
688T	Rosie Lidington				
717T	Terlinga				
321T		Westralia Mt. Morgan Gold Mines, Ltd.			
				300 0 0	225 0 0 0

Ore Milled, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

Gold Yield. ozs. dwts. grs.	TOTAL GOLD PRODUCTION.					Mint Value of Gold per Ounce.						
	Ounces from Unknown Tons.	Dolled and Specimens. ozs. dwts. grs.	Ore Treated. tons cwt. qrs. lbs.		Gold Yield. ozs. dwts. grs.	Average. ozs. dwts. grs.		£ s. d.				
...	4	0	0	0	4	16	0	1	4	0
...	8	15	0	0	12	16	16	1	9	8
...	50	0	0	0	183	6	0	3	13	7
...	10	0	0	0	20	4	0	2	0	9
...	...	300 0 0	15	0	0	0	83	6	0	5	11	1
...	10	0	0	0	14	5	2	1	8	12
...	13	0	0	0	33	6	12	2	11	6
...	4	0	0	0	22	0	0	5	10	0
...	100	0	0	0	5	0	0	0	1	0
...	72	0	0	0	180	0	0	2	10	0
...	4	15	0	0	9	0	0	1	17	20
...	150	0	0	0	5	0	0	0	0	16
...	10	0	0	0	63	16	6	6	7	15
...	100	0	0	0	100	6	0	1	0	1
330 0 0	678	0	0	0	538	7	12	0	15	21
...	18	0	0	0	36	0	0	2	0	0
...	15	0	0	0	15	10	0	1	0	16
...	40	0	0	0	94	0	0	2	7	0
...	4	10	0	0	9	15	0	2	3	8
...	25	0	0	0	31	15	0	1	5	9
...	28	0	0	0	52	5	0	1	17	7
...	4	0	0	0	6	0	0	1	10	0
330 0 0		300 0 0	1364	0	0	0	1520	15	0	1	2	7

3 17 6

North Coolgardie

MENZIES

Official Numbers of Leases.	Name of Lease.	Name of Company.	FIRST HALF OF 1897.				
			Dollied and Specimens. oz. dwt. gr.	Concentrates.		Tailings.	
				tons.	ozs. dwts. grs.	tons.	ozs. dwts. grs.
Prospecting Area ...	Breach of Promise ...	...	...	...	...	...	...
4691z ...	...	Barunga Proprietary Gold Mining Syndicate, Ltd.	...	...	...	...	...
4860z ...	Crown Cross ...	...	...	...	...	...	...
2776z ...	...	Consuelo Gold Mines	...	...	...	...	...
4782z ...	Duke of York ...	...	...	...	...	...	...
4061z ...	Daisy Bell ...	...	...	...	...	...	...
2821z ...	...	Florence Gold Mines, Ltd.	...	...	...	...	...
4849z ...	Gem Extended ...	...	...	...	...	...	...
4855z ...	Goodenough ...	...	...	...	...	...	...
3480z, 3481z ...	...	Goongarrie Goldfields, Ltd.	...	...	...	...	...
4853z ...	Great Klondyke ...	...	...	...	...	...	...
2731z, 2732z, 2751z, 2756z, 3636z ...	...	Hicks' Gold Mine Co., Ltd.	...	...	...	...	...
2809z ...	Ikey Mo ...	...	...	...	...	...	...
4819z ...	Kensington Sunday Gift ...	...	...	...	...	...	...
3482z ...	Kurrajong ...	...	...	...	...	...	...
4802z ...	Lady Dorothy ...	...	...	...	...	...	...
3459z ...	Lady Goldina ...	...	...	...	...	...	...
3963z ...	Lady Main ...	...	...	...	...	...	...
2730z, 2736z ...	...	Lady Montiflore United Gold Mines, Ltd.	...	...	...	...	...
2820z, 3006z ...	...	Lady Shenton Gold Mines, Ltd.	...	...	...	...	...
3125z, 3126z ...	...	Lady Margaret Gold Mines, Ltd.	...	...	...	...	...
3011z, 3031z ...	...	Menzies Alpha Leases, Ltd.	...	...	...	...	...
3024z, 3066z, 3103z, 3104z, 3113z, 3122z, 3123z, 3295z, 3335z, 3412z, 3413z, 4843z ...	...	Menzies Consolidated Gold Mines, Ltd.	...	...	...	...	...
2823z, 3009z ...	...	Menzies Crusoe Gold Claims, Ltd.	...	...	...	...	...
2830z ...	...	Menzies Golden Age Gold Mines, Ltd.	...	...	...	...	...
3042z, 3046z, 3054z ...	...	Menzies Gold Estates, Ltd.	...	...	...	...	...
2824z, 2825z, 2842z ...	...	Menzies Gold Reefs Proprietary, Ltd.	...	...	...	...	...
2843z, 2844z, 3100z, 3203z, 3269z ...	...	Menzies Mining and Exploration Corporation, Ltd.	...	2.5	58 14 0	...	...
2822z ...	...	Menzies Pioneers, Limited ...	...	...	...	...	...
3277z, 4457z, 4751z ...	...	Menzies Kensington Gold Mines, Limited	...	...	...	...	...
3121z ...	...	Menzies Lady Mary Gold Mining Company, Limited	...	...	...	...	...
2835z ...	...	Menzies Lady Sherry Gold Mining Company	...	...	...	...	...
3059z, 3119z, 3120z ...	Maori ...	...	...	...	...	...	...
3744z ...	...	Macleay's Welcome G.M. Co., N.L.	...	...	...	...	...
2733z, 2734z, 2759z, 2760z, 2779z, 2785z ...	...	Ninety-Mile Proprietary G.Ms., Limited	...	...	...	...	...
2763z ...	...	Ninety-Mile Goongarrie Consolidated Gold Mines, Limited	...	...	...	...	...
2836z ...	...	Queensland Menzies Gold Mining Company (No-Liability)	...	...	...	...	...
4859z ...	Resurrection ...	...	...	...	...	...	...
4847z ...	Star of Goongarrie ...	...	...	...	...	...	...
3235z, 3398z ...	...	Walleroo Menzies Gold Mining Company, N.L.	...	...	...	...	...
3205z ...	Nick of Time ...	W.A. Venture Corporation, Limited	...	...	...	...	...
		Crushed for other claims at 90-Mile Proprietary	...	...	...	...	...
				2.5	58 14 0		

Ore Milled, etc.—continued.

Goldfield.

DISTRICT.

Ore Milled.		THIRD QUARTER OF 1897.									
		Dolled and Specimens. oz. dwt. gr.	Concentrates.		Tailings.		Ore Smelted.		Ore Milled.		
tons cwt. qrs. lbs.	ozs. dwts. grs.		tons.	ozs.	tons.	ozs.	tons.	ozs.	tons cwt. qrs. lbs.	ozs. dwts. grs.	
...	...	...	...	...	...	...	...	...	5 0 0 0	9 4 18
...	...	...	...	...	...	...	...	...	6 0 0 0	4 5 0
10 0 0 0	11 10 0	...	...	...	...	...	...	...	29 0 0 0	32 5 0
...	...	...	...	...	...	...	...	...	From plates ...	138 0 0
...	...	...	...	...	...	...	...	...	26 0 0 0	14 0 0
...	...	...	...	...	...	...	...	...	125 0 0 0	124 11 0
...	...	...	...	...	...	...	...	...	1800 0 0 0	908 0 0
...	...	...	...	...	...	...	...	...	16 16 0 0	44 2 0
75 0 0 0	242 0 0	...	...	...	...	...	...	...	305 0 0 0	330 2 0
9 0 0 0	9 0 0	...	...	...	...	...	...	...	12 0 0 0	21 8 0
...	
0 13 0 0	19 0 0	...	...	...	...	...	...	...	...	...
20 0 0 0	10 12 16	...	...	...	...	...	...	...	95 0 0 0	134 10 0
...	
2229 0 0 0	9082 6 0	...	...	...	...	...	...	...	1136 0 0 0	3684 0 0
24 0 0 0	21 7 0	...	...	...	...	...	...	...	48 18 0 0	31 16 0
283 0 0 0	890 2 15	...	...	...	...	...	...	...	90 0 0 0	249 7 0
2000 0 0 0	2018 12 0	...	...	...	...	...	...	...	2420 0 0 0	2133 0 0
2764 0 0 0	4663 4 5	...	...	...	...	...	...	...	863 0 0 0	1037 10 12
152 10 0 0	737 17 18	...	...	...	...	...	...	...	...	...
400 0 0 0	156 13 13	...	...	...	...	...	...	...	590 0 0 0	573 2 12
1656 0 0 0	2403 17 21	...	...	...	...	...	...	...	377 8 0 0	262 7 19
291 0 0 0	303 4 19	...	...	...	...	...	...	...	379 0 0 0	467 4 19
234 0 0 0	355 17 6	...	...	...	...	...	...	...	...	...
51 0 0 0	55 5 18	...	...	...	...	...	...	...	...	...
...	
200 0 0 0	296 0 0	...	...	...	...	...	...	...	51 0 0 0	85 17 0
30 0 0 0	46 14 6	...	...	...	...	...	...	...	...	...
65 0 0 0	43 0 7	...	...	...	...	...	...	...	...	...
1076 0 0 0	524 18 12	...	...	...	...	...	...	...	488 0 0 0	197 15 0
...	...	...	...	...	...	...	...	...	5 0 0 0	5 0 0
1917 0 0 0	9323 0 0	...	...	...	...	...	...	...	1176 0 0 0	3829 12 0
...	...	...	...	...	...	...	...	...	14 0 0 0	24 0 0
...	
...	...	...	...	...	...	...	...	...	92 10 0 0	63 2 8
102 0 0 0	77 0 0	...	...	...	...	...	...	...	...	...
13589 3 0 0	31291 4 12	...	...	...	...	...	...	...	10150 12 0 0	14404 2 16

TABLE NO. II.—Return of

North Coolgardie

MENZIES

Official Numbers of Leases.	Name of Lease.	Name of Company.	FOURTH QUARTER OF 1897.						
			Dolled and Specimens. oz. dwt. gr.	Concentrates.		Tailings.			
				tons.	ozs. dwts. grs.	tons.	ozs. dwts. grs.		
Prospecting Area ...	Breach of Promise ...	...	...	...	...	...	...	...	...
4691z ...	...	Barunga Proprietary Gold Mining Syndicate, Ltd.	...	...	...	...	...	...	...
4860z ...	Crown Cross ...	...	...	...	...	...	...	...	...
2776z ...	...	Consuelo Gold Mines	...	...	...	...	...	...	...
4782z ...	Duke of York ...	...	...	...	...	...	...	...	...
4061z ...	Daisy Bell ...	...	...	...	...	...	...	...	...
2821z ...	...	Florence Gold Mines, Ltd.	...	...	17 0 0	...	...	...	...
4849z ...	Gem Extended ...	...	...	...	...	...	...	...	...
4855z ...	Goodenough ...	...	...	...	...	...	...	...	...
3480z, 3481z...	...	Goongarrie Goldfields, Ltd.	...	...	...	...	...	...	...
4853z ...	Great Klondyke ...	...	...	...	...	...	...	...	...
2731z, 2732z, 2751z, 2756z, 3636z	...	Hicks' Gold Mine Co., Ltd.	...	...	...	...	...	...	...
2809z ...	Ikey Mo ...	...	...	...	...	...	...	...	...
4819z ...	Kensington Sunday Gift	...	...	...	...	...	...	...	...
3482z ...	Kurrajong ...	...	...	...	...	...	...	...	...
4802z ...	Lady Dorothy ...	...	...	...	...	...	...	...	...
3459z ...	Lady Goldina ...	...	...	...	...	...	...	...	...
3963z ...	Lady Main ...	...	...	...	...	...	...	...	...
2730z, 2736z...	...	Lady Montifiore United Gold Mines, Ltd.	...	...	...	...	...	...	...
2820z, 3006z...	...	Lady Shenton Gold Mines, Ltd.	...	2	555 0 0	...	...	...	...
3125z, 3126z...	...	Lady Margaret Gold Mines, Ltd.	...	...	...	...	...	...	...
3011z, 3031z...	...	Menzies Alpha Leases, Ltd.	...	...	...	...	...	...	...
3024z, 3066z, 3103z, 3104z, 3113z, 3122z, 3123z, 3295z, 3335z, 3412z, 3413z, 4843z	...	Menzies Consolidated Gold Mines, Ltd.	...	39	86 3 10	...	...	...	...
2823z, 3009z...	...	Menzies Crusoe Gold Claims, Ltd.	...	...	...	...	...	...	...
2830z ...	...	Menzies Golden Age Gold Mines, Ltd.	...	...	...	...	...	...	...
3042z, 3046z, 3054z...	...	Menzies Gold Estates, Ltd.	...	...	...	...	...	...	...
2824z, 2825z, 2842z...	...	Menzies Gold Reefs Proprietary, Ltd.	...	...	...	...	...	...	...
2843z, 2844z, 3100z, 3203z, 3269z	...	Menzies Mining and Exploration Corporation, Ltd.	...	2½	9 10 0	39	7 0 12	...	...
2822z ...	...	Menzies Pioneers, Limited	...	...	...	...	...	...	...
3277z, 4457z, 4751z	...	Menzies Kensington Gold Mines, Limited	...	...	...	...	...	...	...
3121z ...	...	Menzies Lady Mary Gold Mining Company, Limited	...	...	...	...	...	...	...
2835z ...	...	Menzies Lady Sherry Gold Mining Company	...	...	...	...	...	...	...
3059z, 3119z, 3120z...	Maori ...	...	...	...	...	...	...	...	...
3744z ...	...	Macclay's Welcome G.M. Co., N.L.	...	...	...	...	...	...	...
2733z, 2734z, 2759z, 2760z, 2779z, 2785z	...	Ninety-Mile Proprietary G.M., Limited	...	...	...	...	...	...	...
2763z ...	...	Ninety-Mile Goongarrie Consolidated Gold Mine, Limited	...	...	...	...	...	...	...
2836z ...	...	Queensland Menzies Gold Mining Company, (No-Liability)	...	...	...	...	...	...	...
4859z ...	Resurrection ...	...	...	...	...	...	...	...	...
4847z ...	Star of Goongarrie	...	...	...	...	...	...	...	...
3235z, 3398z...	...	Wallaroo Menzies Gold Mining Company, N.L.	...	...	...	...	...	...	...
3205z ...	Nick of Time ...	W.A. Venture Corporation, Limited Crushed for other claims at 90-Mile Proprietary	...	...	...	...	...	...	...
			44·5		667 13 10	39		7 0 12	

Ore Milled, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

FOURTH QUARTER OF 1897—continued.				TOTALS FOR 1897.		
Ore Smelted.		Ore Milled.		Dollied and Specimens.	Ore Treated.	Gold Yield.
tons cwt. qrs. lbs.	ozs. dwts. grs.	tons cwt. qrs. lbs.	ozs. dwts. grs.			
...	...	18 0 0 0	10 15 8	...	18 0 0 0	10 15 8
...	5 0 0 0	9 4 18
...	...	11 0 0 0	11 4 0	...	11 0 0 0	11 4 0
...	6 0 0 0	4 5 0
...	10 0 0 0	11 10 0
...	...	20 0 0 0	24 0 0	...	49 0 0 0	56 5 0
...	155 0 0
...	...	26 0 0 0	14 0 0	...	52 0 0 0	28 0 0
...	125 0 0 0	124 11 0
...	1800 0 0 0	908 0 0
...	16 16 0 0	44 2 0
...	...	566 0 0 0	456 2 12	...	946 0 0 0	1028 4 12
...	9 0 0 0	9 0 0
...	...	14 0 0 0	11 16 0	...	26 0 0 0	33 4 0
...
...	0 13 0 0	19 0 0
...	20 0 0 0	10 12 16
...	95 0 0 0	134 10 0
...
...	...	1467 0 0 0	3838 9 0	...	4832 0 0 0	17159 15 0
...	72 18 0 0	53 3 0
...	...	54 0 0 0	225 6 0	...	427 0 0 0	1364 15 15
...	...	2105 0 0 0	1881 14 6	...	6525 0 0 0	6119 9 16
...
...	...	572 0 0 0	593 19 0	...	4199 0 0 0	6294 13 17
...	...	50 0 0 0	145 0 0	...	202 10 0 0	882 17 18
...	400 0 0 0	156 13 13
...	...	285 0 0 0	346 1 21	...	2531 0 0 0	3323 2 6
...	...	258 10 0 0	318 17 18	...	926 18 0 0	959 14 20
...	613 0 0 0	823 2 1
...	...	415 0 0 0	433 0 0	...	466 0 0 0	488 5 18
...	...	14 0 0 0	1 9 0	...	14 0 0 0	1 9 0
...	...	48 0 0 0	195 0 0	...	299 0 0 0	576 17 0
...	...	45 0 0 0	65 0 0	...	75 0 0 0	111 14 6
...	65 0 0 0	43 0 7
...	...	Magnet Irons	51 15 0	...	1564 0 0 0	774 8 12
...	5 0 0 0	5 0 0
...	...	938 0 0 0	2676 1 0	...	4031 0 0 0	15828 13 0
...	...	5 0 0 0	6 3 12	...	5 0 0 0	6 3 12
...	14 0 0 0	24 0 0
...	...	12 0 0 0	2 17 20	...	12 0 0 0	2 17 20
...	...	85 0 0 0	72 0 0	...	177 10 0 0	135 2 8
...	102 0 0 0	77 0 0
...	...	7008 10 0 0	11380 12 1	...	30748 5 0 0	57809 7 3

TABLE No. II.—Return of

North Coolgardie

MENZIES

Official Numbers of Leases.	Name of Lease.	Name of Company.	TOTALS PREVIOUS TO 1897.		
			Ounces from Unknown Tons.	Dolled and Specimens. ozs. dwts. grs.	Ore Treated. tons cwt. qrs. lbs.
Prospecting Area ...	Breach of Promise ...	...	...	...	...
4691z ...	...	Barunga Proprietary Gold Mining Syndicate, Ltd.	...	...	...
4860z ...	Crown Cross ...	...	...	...	...
2776z ...	...	Consuelo Gold Mines	...	...	...
4782z ...	Duke of York ...	...	...	...	...
4061z ...	Daisy Bell ...	...	...	...	...
2821z ...	...	Florence Gold Mines, Ltd.	...	...	300 0 0 0
4849z ...	Gem Extended ...	...	...	...	...
4855z ...	Goodenough ...	...	...	...	...
3480z, 3481z...	...	Goongarrie Goldfields, Ltd.	...	...	100 0 0 0
4853z ...	Great Klondyke ...	...	...	...	...
2731z, 2732z, 2751z, 2756z, 3636z	...	Hicks' Gold Mine Co., Ltd.	...	...	...
2809z ...	Ikey Mo ...	...	...	...	59 0 0 0
4819z ...	Kensington Sunday Gift	...	...	...	...
3482z ...	Kurrajong ...	...	...	...	5 0 0 0
4802z ...	Lady Dorothy ...	...	...	...	...
3459z ...	Lady Goldina ...	...	...	...	...
3963z ...	Lady Main ...	...	...	...	...
2730z, 2736z...	...	Lady Montiflore United Gold Mines, Ltd.	...	...	10 0 0 0
2820z, 3006z...	...	Lady Shenton Gold Mines, Ltd.	...	...	1749 0 0 0
3125z, 3126z...	...	Lady Margaret Gold Mines, Ltd.	...	...	...
3011z, 3031z...	...	Menzies Alpha Leases, Ltd.	...	...	53 0 0 0
3024z, 3066z, 3103z, 3104z, 3113z, 3122z, 3123z, 3295z, 3335z, 3412z, 3413z, 4843z	...	Menzies Consolidated Gold Mines, Ltd.	...	...	...
2823z, 3009z...	...	Menzies Crusoe Gold Claims, Ltd.	...	...	3244 0 0 0
2830z ...	...	Menzies Golden Age Gold Mines, Ltd.	...	...	50 0 0 0
3042z, 3046z, 3054z...	...	Menzies Gold Estates, Ltd.	...	...	...
2824z, 2825z, 2842z...	...	Menzies Gold Reefs Proprietary, Ltd.	...	...	2272 0 0 0
2843z, 2844z, 3100z, 3203z, 3269z	...	Menzies Mining and Exploration Corporation, Ltd.	...	...	262 0 0 0
2822z ...	...	Menzies Pioneers, Limited	...	...	...
3277z, 4457z, 4751z...	...	Menzies Kensington Gold Mines, Limited	...	...	...
3121z ...	...	Menzies Lady Mary Gold Mining Company, Limited	...	...	...
2835z ...	...	Menzies Lady Sherry Gold Mining Company	...	...	...
3059z, 3119z, 3120z...	Maori ...	...	...	...	496 0 0 0
3744z ...	...	Macclay's Welcome G.M. Co., N.L.	...	...	...
2733z, 2734z, 2759z, 2760z, 2779z, 2785z	...	Ninety-Mile Proprietary G.M., Limited	...	...	1208 0 0 0
2763z ...	...	Ninety-Mile Goongarrie Consolidated Gold Mine, Limited	...	...	...
2836z ...	...	Queensland Menzies Gold Mining Company (No-Liability)	...	...	41 0 0 0
4859z ...	Resurrection ...	...	...	...	...
4847z ...	Star of Goongarrie ...	...	...	...	...
3235z, 3398z...	...	Wallaroo Menzies Gold Mining Company, N.L.	...	...	...
3205z ...	Nick of Time ...	W.A. Venture Corporation, Limited	...	...	...
		Crushed for other claims at 90-Mile Proprietary	...	...	...
					9849 0 0 0

Ore Milled, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

Gold Yield. ozs. dwts. grs.	TOTAL GOLD PRODUCTION.					Mint Value of Gold per Ounce.	
	Ounces from Unknown Tons.	Dollied and Specimens. ozs. dwts. grs.	Ore Treated. tons cwt. qrs. lbs.	Gold Yield. ozs. dwts. grs.	Average. ozs. dwts. grs.	£	s. d.
...	18 0 0 0	10 15 8	0 11 23		
...	5 0 0 0	9 4 18	1 16 22		
...	11 0 0 0	11 4 0	1 0 8	3	10 10
...	6 0 0 0	4 5 0	0 14 4		
...	10 0 0 0	11 10 0	1 3 0		
...	49 0 0 0	56 5 0	1 2 23		
551 0 0	300 0 0 0	706 0 0	2 7 1		
...	52 0 0 0	28 0 0	0 10 18	3	18 9
...	125 0 0 0	124 11 0	0 19 22		
110 0 0	1900 0 0 0	1018 0 0	0 10 17		
...	16 16 0 0	44 2 0	2 12 12		
...	946 0 0 0	1028 4 12	1 1 17	3	18 6
100 0 0	68 0 0 0	109 0 0	1 12 1		
...	26 0 0 0	33 4 0	1 5 13		
11 0 0	5 0 0 0	11 0 0	2 4 0		
...	0 13 0 0	19 0 0			
...	20 0 0 0	10 12 16	0 10 15		
...	95 0 0 0	134 10 0	1 8 7		
600 0 0	10 0 0 0	600 0 0	60 0 0		
7078 0 0	6581 0 0 0	24237 15 0	3 13 15	3	10 0
...	72 18 0 0	53 3 0	0 14 3		
380 7 0	480 0 0 0	1745 2 15	3 12 17	3	12 6
...	6525 0 0 0	6119 9 16	0 18 18	3	15 9
6960 0 0	7443 0 0 0	13254 13 17	1 15 14	3	16 0
349 0 0	252 10 0 0	1231 17 18	4 17 17	3	9 6
...	400 0 0 0	156 13 13	0 7 20		
3696 0 0	4803 0 0 0	7019 2 6	1 9 5	3	7 6
293 14 0	1188 18 0 0	1253 8 20	1 1 2	3	10 0
...	613 0 0 0	823 2 1	1 6 20		
...	466 0 0 0	488 5 18	1 0 22		
...	14 0 0 0	1 9 0	0 2 1		
...	299 0 0 0	576 17 0	1 18 14	3	11 4
663 15 0	571 0 0 0	775 9 6	1 7 3		
...	65 0 0 0	43 0 7	0 13 5		
921 0 0	2772 0 0 0	1695 8 12	0 12 5		
...	5 0 0 0	5 0 0	1 0 0		
310 0 0	4072 0 0 0	16138 13 0	3 19 7	3	9 0
...	5 0 0 0	6 3 12	1 4 16	3	14 0
...	14 0 0 0	24 0 0	1 14 6		
...	12 0 0 0	2 17 20	0 4 8		
...	177 10 0 0	135 2 8	0 15 5		
...	102 0 0 0	77 0 0	0 15 4		
22023 16 0			40597 5 0 0	79833 3 3	1 19 7		

TABLE No. II.—Return of
North Coolgardie

ULARRING

Official Numbers of Leases.	Name of Lease.	Name of Company.	FIRST HALF OF 1897.				
			Dollied and Specimens. oz. dwt. gr.	Concentrates.		Tailings.	
				tons.	ozs. dwts. grs.	tons.	ozs. dwts. grs.
74u	Albury						
162u	British Lion						
298u	Golden Vale						
95u (4006z)	Golden Wonder						
315u	Gold Standard						
285u	Lady Dorothy						
86u	Lady Kate						
252u (4722z)	Mt. Egans Big Gun						
8u	Mt. Higgins Property						
308u	Oakley						
123u	Riverina						
192u	Snowdrop						
59u (3720z)	Welcome Stranger		*24 0 0				
			*24 0 0				

ULARRING

Official Numbers of Leases.	Name of Lease.	Name of Company.	FOURTH QUARTER OF 1897.				
			Dollied and Specimens. oz. dwt. gr.	Concentrates.		Tailings.	
				tons.	ozs. dwts. grs.	tons.	ozs. dwts. grs.
74u	Albury						
162u	British Lion						
298u	Golden Vale		*16 14 12				
95u (4006z)	Golden Wonder						
315u	Gold Standard						
285u	Lady Dorothy						
86u	Lady Kate						
252u (4722z)	Mt. Egans Big Gun						
8u	Mt. Higgins Property						
308u	Oakley						
123u	Riverina						
192u	Snowdrop						
59u (3720z)	Welcome Stranger						
			*16 14 12				

ULARRING

Official Numbers of Leases.	Name of Lease.	Name of Company.	TOTALS PREVIOUS TO 1897.		
			Ounces from Unknown Tons.	Dollied and Specimens. ozs. dwts. grs.	Ore Treated. tons cwt. qrs. lbs.
74u	Albury				
162u	British Lion				
298u	Golden Vale				
95u (4006z)	Golden Wonder				2 10 0 0
315u	Gold Standard				
285u	Lady Dorothy				0 10 0
86u	Lady Kate				
252u (4722z)	Mt. Egans Big Gun				2 0 0 0
8u	Mt. Higgins Property				
308u	Oakley				
123u	Riverina				
192u	Snowdrop				
59u (3720z)	Welcome Stranger			15 0 0	
				15 0 0	5 0 0 0

* Dollied.

Ore Milled, etc.—continued.

Goldfield—continued.

DISTRICT.

THIRD QUARTER OF 1897.											
Ore Milled.		Dollied and Specimens. oz. dwt. grs.	Concentrates.		Tailings.		Ore Smelted.		Ore Milled.		
tons cwt. qrs. lbs.	ozs. dwts. grs.		tons.	ozs.	tons.	ozs.	tons.	ozs.	tons cwt. qrs. lbs.	ozs. dwts. grs.	
...
...	...	*48 5 0	...	...	...	...	...	...	6 16 0 0	...	9 5 0
...	73 0 0 0	...	128 9 10
...	0 10 0 0	...	2 5 0
...	17 14 0 0	...	196 6 2
...	46 0 0 0	...	76 10 12
...	10 0 0 0	...	44 9 0
...
...
...
...	...	*48 5 0	...	...	...	...	...	...	154 0 0 0	...	457 5 0

DISTRICT—continued.

FOURTH QUARTER OF 1897—continued.				TOTALS FOR 1897.				
Ore Smelted.		Ore Milled.		Dollied and Specimens. ozs. dwts. grs.	Ore Treated.		Gold Yield.	
tons cwt. qrs. lbs.	ozs. dwts. grs.	tons cwt. qrs. lbs.	ozs. dwts. grs.		tons cwt. qrs. lbs.	ozs. dwts. grs.		
...	...	25 0 0 0	66 18 0	...	25 0 0 0	66 18 0		
...	6 16 0 0	9 5 0		
...	64 19 12	...	...
...	73 0 0 0	128 9 10		
...	...	26 0 0 0	42 16 15	...	26 0 0 0	42 16 15		
...	0 10 0 0	2 5 0		
...	17 14 0 0	196 6 2		
...		
...	...	27 0 0 0	44 11 0	...	73 0 0 0	121 1 12		
...	10 0 0 0	44 9 0		
...	...	25 0 0 0	30 0 0	...	25 0 0 0	30 0 0		
...	...	5 0 0 0	10 15 0	...	5 0 0 0	10 15 0		
...	24 0 0	...	...
...	...	108 0 0 0	195 0 15	88 19 12	262 0 0 0	652 5 15		

DISTRICT—continued.

TOTAL GOLD PRODUCTION.							Mint Value of Gold per Ounce.		
Gold Yield. ozs. dwts. grs.	Ounces from Unknown Tons.	Dollied and Specimens. ozs. dwts. grs.	Ore Treated. tons cwt. qrs. lbs.	Gold Yield. ozs. dwts. grs.	Average. ozs. dwts. grs.	£ s. d.			
						£	s.	d.	
...	25 0 0 0	66 18 0	2 13 12	3	16	0	
...	6 16 0 0	9 5 0	1 7 5	...	...	...
...	...	64 19 12	...	...	...	3	18	0
24 10 0	75 10 0 0	152 19 10	2 0 9	...	...	...
...	26 0 0 0	42 16 15	1 12 22	3	16	4	
18 0 0	1 0 0 0	20 5 0	...	...	...	...
...	17 14 0 0	196 6 2	11 1 19	...	...	...
6 14 0	2 0 0 0	6 14 0	3 7 0	...	...	...
...	73 0 0 0	121 1 12	1 13 4	3	15	0	
...	10 0 0 0	44 9 0	4 8 21	...	...	...
...	25 0 0 0	30 0 0	1 4 0	3	5	0	
...	5 0 0 0	10 15 0	2 3 0	...	...	...
...	...	39 0 0	...	...	...	...	...	...
49 4 0	...	103 19 12	267 0 0 0	701 9 15	2 12 13	...	...	...

* Dollied.

TABLE NO. II.—Return of
North Coolgardie

NIAGARA

Official Numbers of Leases.	Name of Lease.	Name of Company.	FIRST HALF OF 1897.				
			Dollied and Specimens. oz. dwt. gr.	Concentrates.		Tailings.	
				tons.	ozs. dwts. grs.	tons.	ozs. dwts. grs.
38g ... ..	... ..	Blevin's Find G.M. Co., Ltd.	...	...	...	...	...
49g (3291z)	Commonwealth	Niagara Commonwealth Exp. Co., Ltd.	...	...	...	...	...
260g	Desdemona ... ..	...	...	...	...	...	...
17g	Gillmore ... ..	...	...	...	...	...	...
29g (3209z)	Gladstone ... ..	...	...	...	...	...	...
249g	Golden Treasure ... ..	...	...	...	...	...	...
85g (3619z)	Hoffman ... ..	...	...	...	...	...	...
264g	London ... ..	...	...	...	...	...	...
223g, 224g, 225g, 226g	Mount McTavish	Hannan's Gold Estates, Ltd.	...	...	...	...	...
100g	Pine Lodge ... ..	...	...	...	...	...	...
18g	Spinaway ... ..	...	...	...	...	...	...
146g	Trilby, now Ballarat ... ..	...	...	...	...	...	...
52g (3301z)	Warinni ... ..	...	...	...	...	...	...
	From Alluvial Claims...	...	...	...	...	...	...

NIAGARA

Official Numbers of Leases.	Name of Lease.	Name of Company.	FOURTH QUARTER OF 1897.				
			Dollied and Specimens. oz. dwt. gr.	Concentrates.		Tailings.	
				tons.	ozs. dwts. grs.	tons.	ozs. dwts. grs.
38g ... ..	... ..	Blevin's Find G.M. Co., Ltd.	...	...	...	...	...
49g (3291z)	Commonwealth	Niagara Commonwealth Exp. Co., Ltd.	...	...	...	...	...
260g	Desdemona ... ..	...	...	...	...	...	...
17g	Gillmore ... ..	...	...	...	...	...	...
29g (3209z)	Gladstone ... ..	...	...	...	...	...	...
249g	Golden Treasure ... ..	...	...	...	...	...	...
85g (3619z)	Hoffman ... ..	...	...	...	...	...	...
264g	London ... ..	...	...	...	...	...	...
223g, 224g, 225g, 226g	Mount McTavish	Hannan's Gold Estates, Ltd.	...	...	...	...	...
100g	Pine Lodge ... ..	...	...	...	...	...	...
18g	Spinaway ... ..	...	...	...	...	...	...
146g	Trilby, now Ballarat ... ..	...	...	...	...	...	...
52g (3301z)	Warinni ... ..	...	...	...	...	...	...
	From Alluvial Claims...	...	...	...	...	...	...

NIAGARA

Official Numbers of Leases.	Name of Lease.	Name of Company.	TOTALS PREVIOUS TO 1897.			
			Ounces from Unknown Tons.	Dollied and Specimens. ozs. dwts. grs.	Ore Treated.	
					tons	cwt. qrs. lbs.
38g ... ..	... ..	Blevin's Find G.M. Co., Ltd.	...	...	...	...
49g (3291z)	Commonwealth	Niagara Commonwealth Exp. Co., Ltd.	...	...	...	...
260g	Desdemona ... ..	...	...	...	...	...
17g	Gillmore ... ..	...	...	...	...	...
29g (3209z)	Gladstone ... ..	...	...	...	1	10 0 0
249g	Golden Treasure ... ..	...	...	...	...	...
85g (3619z)	Hoffman ... ..	...	...	...	2,600	0 0 0
264g	London ... ..	...	...	...	...	...
223g, 224g, 225g, 226g	Mount McTavish	Hannan's Gold Estates, Ltd.	...	...	...	...
100g	Pine Lodge ... ..	...	...	...	...	...
18g	Spinaway ... ..	...	...	...	...	...
146g	Trilby, now Ballarat ... ..	...	...	...	...	...
52g (3301z)	Warinni ... ..	...	...	...	...	...
	From Alluvial Claims...	...	...	...	2,601	10 0 0

Ore Milled, etc.—continued.

Goldfield—continued.

DISTRICT.

THIRD QUARTER OF 1897.											
Ore Milled.		Dollied and Specimens. oz. dwt. gr.	Concentrates.		Tailings.		Ore Smelted.		Ore Milled.		
tons cwt. qrs. lbs.	ozs. dwts. grs.		tons.	ozs.	tons.	ozs.	tons.	ozs.	tons cwt. qrs. lbs.	ozs. dwts. grs.	
...
18 0 0 0	27 0 0	...	...	...	...	...	...	...	...	...	...
...
...
...	...	...	...	...	...	...	...	...	40 0 0 0	80 0 0	0
...
...	...	...	...	...	...	...	...	...	20 0 0 0	43 0 0	0
...
...	...	...	...	...	...	...	...	...	11 17 0 0	12 4 0	0
4 0 0 0	30 17 12	...	...	...	...	...	...	...	8 10 0 0	25 10 0	0
22 0 0 0	57 17 12	...	...	...	...	...	...	...	80 7 0 0	160 14 0	0
...	...	60 0 0	...	...	...	...	...	...	...	...	...

DISTRICT—continued.

FOURTH QUARTER OF 1897—continued.				TOTALS FOR 1897.			
Ore Smelted.		Ore Milled.		Dollied and Specimens. ozs. dwts. grs.	Ore Treated.		Gold Yield.
tons cwt. qrs. lbs.	ozs. dwts. grs.	tons cwt. qrs. lbs.	ozs. dwts. grs.		tons cwt. qrs. lbs.	ozs. dwts. grs.	ozs. dwts. grs.
...	...	130 0 0 0	131 0 0	...	130 0 0 0	131 0 0	0
...	18 0 0 0	27 0 0	0
...	...	7 0 0 0	6 0 0	...	7 0 0 0	6 0 0	0
...	...	53 0 0 0	25 10 11	...	53 0 0 0	25 10 11	0
...	...	11 0 0 0	14 17 0	...	11 0 0 0	14 17 0	0
...	...	57 0 0 0	105 14 3	...	97 0 0 0	185 14 3	0
...
...	...	4 10 0 0	13 5 0	...	4 10 0 0	13 5 0	0
...	20 0 0 0	43 0 0	0
...	...	12 4 0 0	15 8 6	...	12 4 0 0	15 8 6	0
...	...	12 0 0 0	5 11 0	...	12 0 0 0	5 11 0	0
...	11 17 0 0	12 4 0	0
...	12 10 0 0	56 7 12	0
...	...	286 14 0 0	317 5 20	...	389 1 0 0	535 17 8	0
...	60 0 0	...	...	...

DISTRICT—continued.

TOTAL GOLD PRODUCTION.							Mint Value of Gold per Ounce.		
Gold Yield.	Ounces from Unknown Tons.	Dollied and Specimens.	Ore Treated.	Gold Yield.	Average.		£	s.	d.
ozs. dwts. grs.		ozs. dwts. grs.	tons cwt. qrs. lbs.	ozs. dwts. grs.	ozs. dwts. grs.				
...	130 0 0 0	131 0 0	1 0 3	3 12 8			
...	18 0 0 0	27 0 0	1 10 0				
...	7 0 0 0	6 0 0	0 17 3	3 15 6			
...	53 0 0 0	25 10 11	0 9 15	3 17 10½			
6 0 0	12 10 0 0	20 17 0	1 13 9	3 18 0			
...	97 0 0 0	185 14 3	1 18 7	3 9 5			
200 0 0	2600 0 0 0	200 0 0					
...	4 10 0 0	13 5 0	2 18 21	3 15 6			
...	20 0 0 0	43 0 0	2 3 0				
...	12 4 0 0	15 8 6	1 5 6	3 12 0			
...	12 0 0 0	5 11 0	0 9 6	3 17 10½			
...	11 17 0 0	12 4 0	1 0 12				
...	12 10 0 0	56 7 12	4 10 4				
206 0 0	2990 11 0 0	741 17 8	0 4 23				
...	...	60 0 0	...	...	...	

TABLE No. II.—Return of

North Coolgardie

YERILLA

Official Numbers of Leases.	Name of Lease.	Name of Company.	FIRST HALF OF 1897.				
			Dollied and Specimens. oz. dwt. gr.	Concentrates.		Tailings.	
				tons.	ozs. dwts. grs.	tons.	ozs. dwts. grs.
87R	Black Gin ... ..	...	...	...	...	...	...
376R	Bonanza ... ..	...	...	...	...	...	...
399R	Burgess' Luck ... ..	...	...	...	...	...	...
117R	Bound to Rise ... ..	...	...	...	...	...	...
286R, 285R	Crushed Tragedian and True Blue	...	...	...	...	...	...
13R, 14R, 15R, 16R, 17R, 18R	...	Edjudina G.M. Co., Ltd.	...	...	...	...	...
204R	Governor	Anglo-Saxon G.M. Co., N.L.	...	...	...	...	...
98R	Golden Grove ... ..	...	...	...	...	...	...
118R	George Washington ... ..	...	...	...	...	...	...
378R	Jubilee ... ..	...	...	...	...	...	...
372R	Lady Florence ... ..	...	...	...	...	...	...
264R	Lady Gertrude ... ..	...	...	...	...	...	...
354R	Lady Gertrude South ... ..	...	...	...	...	...	...
123R, 188R, 196R, 320R, 384R	...	Lake View and Boulder East G.M., Ltd.	...	...	...	...	...
397R	La Tosca ... ..	...	...	...	...	...	...
305R	Lombard ... ..	...	...	...	...	...	...
374R	Mt. Remarkable S. ... ..	...	...	...	...	...	...
357R	Mt. Wilgress ... ..	...	...	...	...	...	...
70R	Queen of the Earth ... ..	...	...	...	...	...	...
88R	Queen of the Earth, No. 8, N.	...	...	...	...	...	...
89R	Queen of the Earth, No. 9, N.	...	...	...	...	...	...
180R	Rise Again ... ..	...	...	...	...	...	...
295R	True Blue Jacket ... ..	...	...	...	...	...	...
358R	Wimmera ... ..	...	...	...	...	...	...
154R	Westward Ho	Yerilla G.M. Co., N.L.	...	...	...	...	...
64R, 65R, 93R, 105R	Yerilla Claims	Yerilla Claims, Ltd.	...	...	...	...	...
			253 18 6				

YERILLA

Official Numbers of Leases.	Name of Lease.	Name of Company.	FOURTH QUARTER OF 1897.				
			Dollied and Specimens. oz. dwt. gr.	Concentrates.		Tailings.	
				tons.	ozs. dwts. grs.	tons.	ozs. dwts. grs.
87R	Black Gin ... ..	...	...	...	...	...	...
376R	Bonanza ... ..	...	...	...	...	...	...
399R	Burgess' Luck ... ..	...	...	...	...	...	...
117R	Bound to Rise ... ..	...	...	...	...	...	...
286R, 285R	Crushed Tragedian and True Blue	...	...	...	...	...	...
13R, 14R, 15R, 16R, 17R, 18R	...	Edjudina G.M. Co., Ltd.	...	...	...	...	...
204R	Governor	Anglo-Saxon G.M. Co., N.L.	...	...	...	...	...
98R	Golden Grove ... ..	...	...	...	...	...	...
118R	George Washington ... ..	...	...	...	...	...	...
378R	Jubilee ... ..	...	...	...	...	...	...
372R	Lady Florence ... ..	...	...	...	...	...	...
264R	Lady Gertrude ... ..	...	...	...	...	...	...
354R	Lady Gertrude South ... ..	...	...	...	...	...	...
123R, 188R, 196R, 320R, 384R	...	Lake View and Boulder East G.M., Ltd.	...	...	...	...	...
397R	La Tosca ... ..	...	...	...	...	...	...
305R	Lombard ... ..	...	...	...	...	...	...
374R	Mt. Remarkable S. ... ..	...	...	...	...	...	...
357R	Mt. Wilgress ... ..	...	...	...	...	...	...
70R	Queen of the Earth ... ..	...	...	...	...	...	...
88R	Queen of the Earth, No. 8, N.	...	...	...	...	...	...
89R	Queen of the Earth, No. 9, N.	...	...	...	...	...	...
180R	Rise Again ... ..	...	...	...	...	...	...
295R	True Blue Jacket ... ..	...	...	...	...	...	...
358R	Wimmera ... ..	...	...	...	...	...	...
154R	Westward Ho	Yerilla G.M. Co., N.L.	...	...	...	...	...
64R, 65R, 93R, 105R	Yerilla Claims	Yerilla Claims, Ltd.	...	...	...	...	...
			*7 10 0				
			*18 0 0				
			25 10 0				
	From Alluvial Claims ...	...	60 0 0				

* Dollied.

† Specimens.

Ore Milled, etc.—continued.

Goldfield—continued.

DISTRICT.

THIRD QUARTER OF 1897.											
Ore Milled.		Dollied and Specimens. oz. dwt. gr.	Concentrates.		Tailings.		Ore Smelted.		Ore Milled.		
tons cwt. qrs. lbs.	ozs. dwts. grs.		tons.	ozs.	tons.	ozs.	tons.	ozs.	tons cwt. qrs. lbs.	ozs. dwts. grs.	ozs. dwts. grs.
5 0 0 0	4 11 0	...	...	...	...	...	...	...	...	11 0 0 0	11 0 0 0
...	...	*20 10 0	...	...	...	...	...	...	...	...	...
0 10 0 0	39 0 0	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	19 0 0 0	23 7 0
...
...
...	...	...	...	...	...	...	...	...	...	10 0 0 0	27 12 12
...	...	...	...	...	...	...	...	...	...	14 15 0 0	6 1 0
...	...	...	...	...	...	...	...	...	...	43 0 0 0	16 9 12
58 0 0 0	138 16 0	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	9 0 0 0	3 3 0
165 0 0 0	332 7 12	...	...	...	...	...	...	...	...	216 0 0 0	223 17 12
...
...	...	...	...	...	...	...	...	...	...	22 0 0 0	11 17 20
...	...	...	...	...	...	...	...	...	...	9 0 0 0	7 10 0
...	...	*2 4 18	...	...	...	...	...	...	...	...	...
18 8 0 0	18 13 18	...	...	...	...	...	...	...	...	30 15 0 0	34 0 0
...	...	...	...	...	...	...	...	...	...	20 0 0 0	7 10 0
...	...	...	...	...	...	...	...	...	...	12 0 0 0	18 12 0
...	...	...	...	...	...	...	...	...	...	12 0 0 0	36 0 0
10 0 0 0	13 6 6	...	...	...	...	...	...	...	...	86 0 0 0	68 5 0
177 0 0 0	186 14 0	...	...	...	...	...	...	...	...	272 10 0 0	280 7 0
433 18 0 0	733 8 12	22 14 18	...	...	...	...	...	...	...	787 0 0 0	775 12 8

DISTRICT—continued.

FOURTH QUARTER OF 1897—continued.				TOTALS FOR 1897.			
Ore Smelted.		Ore Milled.		Dollied and Specimens. ozs. dwts. grs.	Ore Treated.		Gold Yield.
tons cwt. qrs. lbs.	ozs. dwts. grs.	tons cwt. qrs. lbs.	ozs. dwts. grs.		tons cwt. qrs. lbs.	ozs. dwts. grs.	ozs. dwts. grs.
...	16 0 0 0	15 11 0	...
...	...	5 0 0 0	17 14 0	28 0 0	5 0 0 0	17 14 0	...
...	0 10 0 0	39 0 0	...
...	18 0 0	19 0 0 0	23 7 0	...
...
...	...	28 0 0 0	23 10 0	...	28 0 0 0	23 10 0	...
...	...	10 15 0 0	3 17 0	...	10 15 0 0	3 17 0	...
...	10 0 0 0	27 12 12	...
...	14 15 0 0	6 1 0	...
...	43 0 0 0	16 9 12	...
...	58 0 0 0	138 16 0	...
...	9 0 0 0	3 3 0	...
...	...	141 0 0 0	254 10 0	...	522 0 0 0	810 15 0	...
...	...	16 0 0 0	15 4 0	...	16 0 0 0	15 4 0	...
...
...	22 0 0 0	11 17 20	...
...	9 0 0 0	7 10 0	...
...	253 18 6	...	...	...
...	2 4 18	...	...	...
...	49 3 0 0	52 13 18	...
...	...	10 0 0 0	9 16 0	...	30 0 0 0	17 6 0	...
...	12 0 0 0	18 12 0	...
...	...	10 0 0 0	20 12 0	...	22 0 0 0	56 12 0	...
...	96 0 0 0	81 11 6	...
...	449 10 0 0	467 1 0	...
...	...	220 15 0 0	345 3 0	302 3 0	1441 13 0 0	1854 3 20	...
...	60 0 0	...	...	...

* Dollied.

TABLE No. II.—Return of

North Coolgardie

YERILLA

Official Numbers of Leases.	Name of Lease.	Name of Company.	TOTALS PREVIOUS TO 1897.		
			Ounces from Unknown Tons.	Dolled and Specimens. ozs. dwts. grs.	Ore Treated. tons cwt. qrs. lbs.
87R	Black Gin ... ..	...	...	...	...
376R	Bonanza ... ..	...	...	...	...
399R	Burgess' Luck ... ..	...	...	...	...
117R	Bound to Rise ... ..	...	240 0 0	...	...
286R, 285R	Crushed Tragedian and True Blue	...	...	...	...
13R, 14R, 15R, 16R, 17R, 18R	...	Edjudina G.M. Co., Ltd.	...	...	959 0 0 0
204R	Governor	Anglo Saxon G.M. Co., N.L.	...	...	...
98R	Golden Grove ... ..	...	...	...	...
118R	George Washington ... ..	...	...	...	...
378R	Jubilee ... ..	...	...	...	...
372R	Lady Florence ... ..	...	...	...	...
264R	Lady Gertrude ... ..	...	...	...	...
354R	Lady Gertrude South ... ..	...	...	...	...
123R, 188R, 196R, 320R, 384R	...	Lake View and Boulder East G.M., Ltd.	...	...	...
397R	La Tosca ... ..	...	...	...	...
305R	Lombard ... ..	...	35 0 0	...	...
374R	Mt. Remarkable S. ... ..	...	...	...	...
357R	Mt. Wilgress ... ..	...	...	...	...
70R	Queen of the Earth ... ..	...	...	†2885 15 10	...
88R	Queen of the Earth No. 8, N.	...	...	...	...
80R	Queen of the Earth No. 9, N.	...	...	...	...
180R	Rise Again ... ..	...	...	...	...
295R	True Blue Jacket ... ..	...	...	...	...
358R	Wimmera ... ..	...	...	...	...
154R	Westward Ho	Yerilla G.M. Co., N.L.	...	...	...
64R, 65R, 93R, 105R	Yerilla Claims	Yerilla Claims, Ltd.	...	...	...
	From Alluvial Claims ... ..	...	275 0 0	2885 15 10	959 0 0 0

†Specimens.

Ore Milled, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

Gold Yield. ozs. dwts. grs.	TOTAL GOLD PRODUCTION.					Mint Value of Gold per Ounce.		
	Ounces from Unknown Tons.	Dolled and Specimens. ozs. dwts. grs.	Ore Treated. tons cwt. qrs. lbs.	Gold Yield. ozs. dwts. grs.	Average. ozs. dwts. grs.	£	s.	d.
...	16 0 0 0	15 11 0	0 19 10			
...	...	28 0 0	5 0 0 0	17 14 0	3 10 19	3	12	6
...	240 0 0	...	0 10 0 0	39 0 0				
...	...	18 0 0	19 0 0 0	23 7 0	1 4 13			
1123 0 0	959 0 0 0	1123 0 0	1 3 10			
...	28 0 0 0	23 10 0	0 16 18	3	12	6
...	10 15 0 0	3 17 0	0 7 3	3	10	0
...	10 0 0 0	27 12 12	2 15 6			
...	14 15 0 0	6 1 0	0 8 4			
...	43 0 0 0	16 9 12	0 7 15			
...	58 0 0 0	138 16 0	2 7 20			
...	9 0 0 0	3 3 0	0 7 0			
...	522 0 0 0	810 15 0	1 11 1			
...	16 0 0 0	15 4 0	0 19 0			
...	35 0 0	...	22 0 0 0	11 17 20	0 10 19			
...	9 0 0 0	7 10 0	0 16 16			
...	...	3139 13 16						
...	...	2 4 18						
...	49 3 0 0	52 13 18	1 1 12			
...	30 0 0 0	17 6 0	0 11 12			
...	12 0 0 0	18 12 0	1 11 0			
...	22 0 0 0	56 12 0	2 11 10	4	0	0
...	96 0 0 0	81 11 6	0 16 23			
...	449 10 0 0	467 1 0	1 0 19			
1123 0 0	275 0 0	3187 18 10	2400 13 0 0	2977 3 20	1 4 19			
...	...	60 0 0	...					

Broad Arrow

BROAD ARROW

Official Numbers of Leases.	Name of Lease.	Name of Company.	FIRST HALF OF 1897.				
			Dollied and Specimens.	Concentrates.		Tailings.	
				oz. dwt. gr.	tons.	ozs. dwts. grs.	tons.	ozs. dwts. grs.
1006w	Arrow Queen ... ..	...	...	...	...	...
58w, 59w	Arrow Proprietary ... ..	...	...	...	...	...
107w, 108w	Australasia ... ..	...	...	...	...	...
42w	Barrier ... ..	...	...	...	...	...
287w	Beers ... ..	...	...	...	...	...
499w, 500w ... ..	...	Black Flag Central G.M. Co.	...	...	...	...
43w, 52w, 62w, 546w	...	Black Flag Proprietary Co., Limited	...	...	...	...
1021w	Black Flag Junction ... ..	...	...	...	...	...
142w, 225w, 226w ... ..	...	Credo Gold Mines, Limited	...	...	...	...
12w, 157w, 185w, 534w	...	Crown United G.M. Co., Ltd.	...	...	...	...
960w, 995w ... ..	...	Dixie Gold Mines, Limited...	...	...	...	...
1001w	Diamond Jubilee ... ..	...	...	...	...	...
427w, 548w, 552w	Devon Consuls ... ..	...	...	...	...	...
993w	Eureka ... ..	...	...	...	...	...
1004w	Eureka North ... ..	...	...	...	...	...
36w	Eva ... ..	...	...	...	...	...
25w, 33w	Excelsior ... ..	...	...	...	...	...
3w, 138w ... ..	...	Golden Arrow Mines, Ltd....	...	...	...	...
139w, 173w, 1000w... ..	...	...	...	...	...	...
1020w	Golden Buckle ... ..	...	...	...	...	...
997w	Golden Coin ... ..	...	...	...	...	...
765w	Golden Crown ... ..	...	...	...	...	...
41w	Golden King ... ..	...	...	...	...	...
107w, 108w, 109w, 887w, 956w	...	Half-Mile Reef G.M. Co., Ltd.	...	...	...	...
2w	Hill End ... ..	...	...	...	...	...
690w	Hill End West ... ..	...	...	...	...	...
999w	Jubilee ... ..	...	...	...	...	...
1037w	Kent ... ..	...	...	...	...	...
755w	Kingsley Hall Junction ... ..	...	...	...	...	...
172w ... ..	...	Kingsley Hall Reward Gold Mining Co. (N.L.)	...	...	...	...
47w, 48w, 49w ... ..	...	Lady Bountiful G.M. Co. ...	...	...	...	...
56w, 75w, 87w, 122w	Liberty Lease ... ..	...	...	...	...	...
19w, 864w ... ..	...	Nerrin Nerrin G.M. Co. ...	...	...	...	...
165w	Meteor ... ..	...	...	...	...	...
45w	Mt. Corlic ... ..	...	...	...	...	...
979w, 980w ... ..	...	New Flag G.M. Co. ....	...	...	...	...
998w	Ophir ... ..	...	...	...	...	...
736w	Pleasure Bound ... ..	...	...	...	...	...
911w	Pootilla ... ..	...	...	...	...	...
291w	Pride of Arrow ... ..	...	...	...	...	...
227w	Queen of Beauty ... ..	...	...	...	...	...
888w	Queen of Queens ... ..	...	...	...	...	...
82w, 84w, 85w, 119w	...	Royal Standard Gold Mines	...	...	...	...
134w, 135w ... ..	...	Railway G.M. Co. ...	...	...	...	...
603w, 617w	Stacks of Gold and Golden Stacks	...	...	...	...	...
19w, 73w	Star of W.A. ... ..	...	...	...	...	...
613w	South Star ... ..	...	...	...	...	...
1043w	Struck Oil ... ..	...	...	...	...	...
70w	Surprise ... ..	...	...	...	...	...
417w (909E)... ..	Surbiton ... ..	...	...	...	...	...
14w, 745w, 803w	...	Talisman Mines, Ltd.	...	...	...	...
7127w	Valhalla ... ..	...	...	...	...	...
968w	Vettersburg ... ..	...	...	...	...	...
1013w	Wainui ... ..	...	...	...	...	...
39w	Zororastrian ... ..	...	...	...	...	...

Ore Milled, etc.—continued.

Goldfield.

DISTRICT.

		THIRD QUARTER OF 1897.									
Ore Milled.		Dolled and Specimens. oz. dwt. gr.	Concentrates.		Tailings.		Ore Smelted.		Ore Milled.		
tons cwt. qrs. lbs.	ozs. dwts. grs.		tons.	ozs.	tons.	ozs.	tons.	ozs.	tons cwt. qrs. lbs.	ozs. dwts. grs.	
...	
835 0 0 0	650 0 0	...	...	...	...	...	...	...	...	...
51 0 0 0	113 15 0	...	...	...	...	...	...	56 0 0 0	72 0 0	...
...	...	...	...	...	...	...	...	55 0 0 0	8 7 0	...
4010 0 0 0	1872 14 8	...	...	...	...	...	...	3041 0 0 0	796 9 12	...
...	...	...	...	...	...	...	...	50 0 0 0	21 14 22	...
42 0 0 0	168 14 0	...	...	...	...	...	...	100 0 0 0	205 0 0	...
...	...	...	...	...	...	...	...	40 0 0 0	25 19 0	...
399 0 0 0	1213 2 3	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	20 0 0 0	60 0 0	...
...	
11 0 0 0	6 0 0	...	...	...	...	...	...	...	...	...
70 0 0 0	72 0 0	...	...	...	...	...	...	52 0 0 0	74 9 0	...
...	
115 15 0 0	42 9 0	...	...	...	...	...	...	144 0 0 0	251 1 0	...
...	
130 0 0 0	243 0 12	...	...	...	...	...	...	40 0 0 0	83 12 6	...
...	
...	...	...	...	...	...	...	...	157 0 0 0	137 16 0	...
...	...	...	...	...	...	...	...	326 0 0 0	293 10 0	...
537 0 0 0	641 12 0	...	...	...	...	...	...	...	...	...
4 0 0 0	31 16 9	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	4 10 0 0	3 18 0	...
...	
...	...	...	...	...	...	...	...	30 0 0 0	16 0 0	...
680 0 0 0	953 9 23	...	...	...	...	...	...	1030 0 0 0	1104 10 0	...
...	...	...	...	...	...	...	...	223 0 0 0	335 0 0	...
...	
24 0 0 0	29 0 0	...	...	...	...	...	...	...	...	...
45 0 0 0	52 12 0	...	...	...	...	...	...	50 0 0 0	50 9 12	...
...	...	*20 0 0	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	30 0 0 0	15 0 0	...
...	...	...	...	...	...	...	...	10 0 0 0	20 18 6	...
...	...	...	...	...	...	...	...	25 0 0 0	26 8 0	...
10 0 0 0	10 15 0	...	...	...	...	...	...	...	...	...
50 0 0 0	50 0 0	...	...	...	...	...	...	324 0 0 0	104 0 0	...
...	
48 0 0 0	39 16 0	...	...	...	...	...	...	...	...	...
...	
...	...	...	...	...	...	...	...	100 0 0 0	72 14 0	...
28 0 0 0	123 1 0	...	...	...	...	...	...	38 15 0 0	219 14 0	...
...	
...	...	...	...	...	...	...	...	35 0 0 0	30 8 0	...
...	
506 0 0 0	64 0 0	...	...	...	...	...	...	...	...	...
...	
...	...	*7 4 0	...	...	...	...	...	...	...	...
...	
...	
7595 15 0 0	6377 17 7	27 4 0	...	...	...	...	...	5981 5 0 0	4028 18 10	...

* Dollied.

TABLE NO. II.—Return of

Broad Arrow

BROAD ARROW

Official Numbers of Leases.	Name of Lease.	Name of Company.	FOURTH QUARTER OF 1897.					
			Dolled and Specimens. oz. dwt. gr.	Concentrates.			Tailings.	
				tons.	ozs.	dwt.	grs.	tons.	ozs. dwt.	grs.
1006w	Arrow Queen ... ..	...	...	...	...	...	...	...
58w, 59w	Arrow Proprietary ... ..	...	...	...	...	...	...	...
107w, 108w	Australasia ... ..	...	...	...	...	...	...	...
42w	Barrier ... ..	...	...	...	...	...	...	...
287w	Beers ... ..	...	...	...	...	...	...	...
499w, 500w ... ..	...	Black Flag Central G.M. Co.	...	...	...	...	...	...
43w, 52w, 62w, 546w	...	Black Flag Proprietary Co., Limited	...	...	...	...	...	...
1021w	Black Flag Junction ... ..	...	...	...	...	...	...	...
142w, 225w, 226w ... ..	...	Credo Gold Mines, Limited	...	8.5	3	4	0	...
12w, 157w, 185w, 534w	...	Crown United G.M. Co., Ltd.	...	...	...	...	...	...
960w, 995w ... ..	...	Dixie Gold Mines, Limited...	...	...	...	...	...	...
1001w	Diamond Jubilee ... ..	...	...	1.5	5	0	0	...
427w, 548w, 552w	Devon Consols ... ..	...	...	...	...	...	...	...
993w	Eureka ... ..	...	...	...	...	...	...	...
1004w	Eureka North ... ..	...	...	...	...	...	...	...
36w	Eva ... ..	...	...	...	...	...	...	...
25w, 33w	Excelsior ... ..	...	...	...	...	...	...	...
3w, 138w ... ..	...	Golden Arrow Mines, Ltd. ...	...	...	...	...	...	...
139w, 173w, 1000w ... ..	...	...	...	...	...	...	...	...
1020w	Golden Buckle ... ..	...	...	...	...	...	...	...
997w	Golden Coin ... ..	...	...	...	...	...	...	...
765w	Golden Crown ... ..	...	...	...	...	...	...	...
41w	Golden King ... ..	...	...	...	...	...	...	...
107w, 108w, 109w, 887w, 956w	...	Half-Mile Reef G.M. Co., Ltd.	...	...	...	...	...	...
2w	Hill End... ..	...	...	...	...	...	...	...
690w	Hill End West ... ..	...	...	...	...	...	...	...
999w	Jubilee ... ..	...	...	...	...	...	...	...
1037w	Kent ... ..	...	...	...	...	...	...	...
755w	Kingsley Hall Junction ... ..	...	...	...	...	...	...	...
172w ... ..	...	Kingsley Hall Reward Gold Mining Co., N.L.	...	...	...	...	...	...
47w, 48w, 49w ... ..	...	Lady Bountiful G.M. Co. ...	...	9.75	95	0	0	...
56w, 75w, 87w, 122w	Liberty Lease ... ..	...	...	...	...	...	...	...
19w, 864w ... ..	...	Nerrin Nerrin G.M. Co. ...	...	...	...	...	...	...
165w	Meteor ... ..	...	...	...	...	...	...	...
45w	Mt. Corlie ... ..	...	...	...	...	...	...	...
979w, 980w ... ..	...	New Flag G.M. Co. ...	...	...	...	...	...	...
998w	Ophir ... ..	...	...	...	...	...	...	...
736w	Pleasure Bound ... ..	...	...	...	...	...	...	...
911w	Pootilla ... ..	...	...	...	...	...	...	...
291w	Pride of Arrow ... ..	...	...	...	...	...	...	...
227w	Queen of Beauty ... ..	...	...	...	...	...	...	...
888w	Queen of Queens ... ..	...	...	...	...	...	...	...
82w, 84w, 85w, 119w	...	Royal Standard Gold Mines	...	...	...	...	...	...
134w, 135w ... ..	...	Railway G.M. Co. ...	...	...	...	...	...	...
603w, 617w	Stacks of Gold and Golden Stacks	...	...	...	...	...	...	...
69w, 73w	Star of W.A. ... ..	...	...	...	...	...	...	...
131w	South Star ... ..	...	...	...	...	...	...	...
1043w	Struck Oil ... ..	...	...	...	...	...	...	...
77w	Surprise ... ..	...	...	...	...	...	...	...
147w (909E)	Surbiton ... ..	...	...	...	...	...	...	...
14w, 745w, 803w	...	Talisman Mines, Ltd. ...	...	...	...	...	...	...
1027w	Valhalla ... ..	...	...	...	...	...	...	...
968w	Vettersburg ... ..	...	...	...	...	...	...	...
1013w	Wainui ... ..	...	...	...	...	...	...	...
39w	Zororastrian ... ..	...	...	...	...	...	...	...
				19.75	103	4	0	

Ores Milled, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

FOURTH QUARTER OF 1897—continued.				TOTALS FOR 1897.		
Ore Smelted.		Ore Milled.		Dolled and Specimens. ozs. dwts. grs.	Ore Treated. tons cwt. qrs. lbs.	Gold Yield. oz. dwts. grs.
tons cwt. qrs. lbs.	ozs. dwts. grs.	tons cwt. qrs. lbs.	ozs. dwts. grs.			
...	...	20 0 0 0	4 11 21	...	20 0 0 0	4 11 21
...
...	...	109 0 0 0	67 15 0	...	835 0 0 0	650 0 0
...	216 0 0 0	253 10 0
...
...	...	2904 0 0 0	538 16 0	...	55 0 0 0	8 7 0
...	9955 0 0 0	3207 19 20
...
...	...	50 0 0 0	29 1 21	...	50 0 0 0	21 14 22
...	142 0 0 0	376 18 0
...	90 0 0 0	55 0 21
...	...	143 15 0 0	136 5 0	...	542 15 0 0	1349 7 3
...	...	16 15 0 0	43 0 0	...	36 15 0 0	108 0 0
...
...	...	7 0 0 0	5 17 6	...	7 0 0 0	5 17 6
...	...	1 0 0 0	1 7 0	...	1 0 0 0	1 7 0
...	11 0 0 0	6 0 0
...	122 0 0 0	146 9 0
...	...	208 0 0 0	190 9 12	...	...	...
...	...	180 0 0 0	31 0 0	...	647 15 0 0	514 19 12
...	...	35 0 0 0	20 4 0	...	35 0 0 0	20 4 0
...	40 0 0 0	83 12 6
...	...	100 0 0 0	47 19 0	...	230 0 0 0	290 19 12
...	157 0 0 0	137 16 0
...	...	251 0 0 0	194 16 0	...	577 0 0 0	488 6 0
...
...	...	688 0 0 0	1082 16 0	...	1225 0 0 0	1724 8 0
...	...	13 10 0 0	226 7 0	...	17 10 0 0	258 3 9
...	...	4 3 0 0	4 3 0	...	8 13 0 0	8 1 0
...	...	5 0 0 0	5 5 0	...	5 0 0 0	5 5 0
...
...	30 0 0 0	16 0 0
...	...	477 0 0 0	404 12 10	...	2187 0 0 0	2557 12 9
...	...	75 18 0 0	90 18 0	...	298 18 0 0	425 18 0
...	...	326 0 0 0	88 8 0	...	326 0 0 0	88 8 0
...	...	28 0 0 0	36 5 12	...	28 0 0 0	36 5 12
...	24 0 0 0	29 0 0
...	...	10 0 0 0	11 4 0	...	105 0 0 0	114 5 12
...	20 0 0	...	...
...	30 0 0 0	15 0 0
...	10 0 0 0	20 18 6
...	25 0 0 0	26 8 0
...	10 0 0 0	10 15 0
...	50 0 0 0	50 0 0
...	324 0 0 0	104 0 0
...	...	74 0 0 0	37 11 0	...	122 0 0 0	77 7 0
...
...	100 0 0 0	72 14 0
...	...	58 5 0 0	234 17 0	...	125 0 0 0	577 12 0
...	...	51 0 0 0	74 0 0	...	51 0 0 0	74 0 0
...	35 0 0 0	30 8 0
...
...	...	100 0 0 0	185 6 0	...	506 0 0 0	64 0 0
...	7 4 0	100 0 0 0	185 6 0
...	...	23 0 0 0	14 11 15	...	...	...
...	...	100 0 0 0	120 0 0	...	23 0 0 0	14 11 15
...	100 0 0 0	120 0 0
6059 6 0 0		3927 7 1		27 4 0	19636 6 0 0	14437 6 18

TABLE No. II.—Return of

Broad Arrow

BROAD ARROW

Official Numbers of Leases.	Name of Lease.	Name of Company.	TOTALS PREVIOUS TO 1897.		
			Ounces from Unknown Tons.	Dolled and Specimens. ozs. dwts. grs.	Ore Treated. tons cwt. qrs. lbs.
1006w	Arrow Queen ... ..	...	...	...	...
58w, 59w	Arrow Proprietary ... ..	...	...	...	50 0 0 0
107w, 108w	Australasia ... ..	...	...	...	...
42w	Barrier ... ..	...	...	...	...
287w	Beers ... ..	...	...	...	40 0 0 0
499w, 500w ... ..	...	Black Flag Central G.M. Co.	...	...	...
43w, 52w, 62w, 546w	...	Black Flag Proprietary Co., Limited	...	...	...
1021w	Black Flag Junction ... ..	...	...	...	...
142w, 225w, 226w ... ..	...	Credo Gold Mines, Limited	250	...	12 0 0 0
12w, 157w, 185w 534w	...	Crown United G.M. Co., Ltd.	...	...	800 0 0 0
960w, 995w ... ..	...	Dixie Gold Mines, Limited ...	...	...	...
1001w	Diamond Jubilee ... ..	...	...	...	...
427w, 548w, 552w	Devon Consols ... ..	...	...	...	1 0 0 0
993w	Eureka ... ..	...	...	...	...
1004w	Eureka North ... ..	...	...	...	...
36w	Eva ... ..	...	...	...	...
25w, 33w	Excelsior ... ..	...	...	...	35 0 0 0
8w, 138w ... ..	...	Golden Arrow Mines, Ltd. ...	...	...	...
139w, 173w, 1000w... ..	...	...	...	...	...
1020w	Golden Buckle ... ..	...	...	...	...
997w	Golden Coin ... ..	...	...	...	...
765w	Golden Crown ... ..	...	...	...	30 0 0 0
41w	Golden King ... ..	...	...	...	...
107w, 108w, 109w 887w, 956w	...	Half-Mile Reef G.M. Co., Ltd.	...	...	...
2w	Hill End ... ..	...	...	...	509 10 0 0
690w	Hill End West ... ..	...	...	...	...
999w	Jubilee ... ..	...	...	...	...
1037w	Kent ... ..	...	...	...	...
755w	Kingsley Hall Junction ... ..	...	...	...	1 0 0 0
172w ... ..	...	Kingsley Hall Reward G.M. Co. (No-Liability)	...	...	...
47w, 48w, 49w ... ..	...	Lady Bountiful G.M. Co. ...	...	...	...
56w, 75w, 87w, 122w	Liberty Lease ... ..	...	...	...	...
19w, 864w ... ..	...	Nerrin Nerrin G.M. Co. ...	...	...	...
165w	Meteor ... ..	...	...	...	...
45w	Mt. Corlic ... ..	...	...	...	...
979w, 980w ... ..	...	New Flag G.M. Co. ...	...	...	...
998w	Ophir ... ..	...	...	...	...
736w	Pleasure Bound ... ..	...	...	...	0 2 0 0
911w	Pootilla ... ..	...	...	...	...
291w	Pride of Arrow ... ..	...	...	...	...
227w	Queen of Beauty ... ..	...	...	...	...
888w	Queen of Queens ... ..	...	...	...	...
82w, 84w, 85w, 119w	...	Royal Standard Gold Mines	...	...	0 2 0 0
134w, 135w ... ..	...	Railway G.M. Co. ...	...	...	...
603w, 617w	Stacks of Gold and Golden Stacks	...	...	...	2 10 0 0
69w, 73w	Star of W.A. ... ..	...	...	...	33 0 0 0
131w	South Star ... ..	...	...	...	...
1043w	Struck Oil ... ..	...	...	...	...
77w	Surprise ... ..	...	...	...	...
147w (909E)	Surbiton ... ..	...	...	...	10 0 0 0
14w, 745w, 803w ... ..	...	Talisman Mines, Ltd. ...	...	...	...
1027w	Valhalla ... ..	...	...	...	...
968w	Vettersburg ... ..	...	...	...	...
1013w	Wainui ... ..	...	...	...	...
39w	Zorobrastrian ... ..	...	...	...	12 0 0 0
			250 0 0		1536 4 0 0

Ore Milled, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

Gold Yield. ozs. dwts. grs.	TOTAL GOLD PRODUCTION.						Mint Value of Gold per Ounce.								
	Ounces from Unknown Tons.	Dolled and Specimens. ozs. dwts. grs.	Ore Treated.				Gold Yield.			Average.			£	s.	d.
			tons	cwt.	qrs.	lbs.	ozs.	dwts.	grs.	ozs.	dwts.	grs.			
...	20	0	0	0	4	11	21	0	4	14			
12 15 0	50	0	0	0	12	15	0	0	5	2			
...	835	0	0	0	650	0	0	0	15	13			
...	216	0	0	0	253	10	0	1	3	11	3	17	10½
80 0 0	40	0	0	0	80	0	0	2	0	0			
...	55	0	0	0	8	7	0	0	3	0			
...	9955	0	0	0	3207	19	20	0	6	10	3	10	0
...	50	0	0	0	21	14	22	0	8	16			
72 0 0	250 0 0	...	154	0	0	0	448	18	0	2	18	6			
325 0 0	890	0	0	0	380	0	21	0	8	12	3	18	6
...	542	15	0	0	1349	7	3	2	9	16	3	18	3
...	36	15	0	0	108	0	0	2	19	1	3	17	10½
500 0 0	1	0	0	0	500	0	0	0	0	0			
...	7	0	0	0	5	17	6	0	16	18			
...	1	0	0	0	1	7	0						
...	11	0	0	0	6	0	0	0	10	21			
120 0 0	157	0	0	0	266	9	0	1	13	22			
...	647	15	0	0	514	19	12	0	15	21	3	10	0
...	35	0	0	0	20	4	0	0	11	13			
...	40	0	0	0	83	12	6	2	1	19			
42 0 0	260	0	0	0	332	19	12	1	5	14	3	17	0
...	157	0	0	0	137	16	0	0	17	13			
...	577	0	0	0	488	6	0	0	16	22	3	17	6
6708 0 0	1734	10	0	0	8432	8	0	4	17	4	3	17	6
...	17	10	0	0	258	3	9	14	15	1	3	13	3
...	8	13	0	0	8	1	0	0	18	14			
...	5	0	0	0	5	5	0	1	1	0	3	12	6
1 0 0	1	0	0	0	1	0	0	1	0	0			
...	30	0	0	0	16	0	0	0	10	16			
...	2187	0	0	0	2557	12	9	1	3	9	3	10	0
...	298	18	0	0	425	18	0	1	8	15	3	14	10½
...	326	0	0	0	88	8	0	0	5	10			
...	28	0	0	0	36	5	12	1	5	21			
...	24	0	0	0	29	0	0	1	4	4			
...	105	0	0	0	114	5	12	1	1	18			
20 0 0	...	20 0 0	30	2	0	0	35	0	0	1	3	6			
...	10	0	0	0	20	18	6	2	1	19			
...	25	0	0	0	26	8	0	1	1	2			
...	10	0	0	0	10	15	0	1	1	12			
...	50	0	0	0	50	0	0	1	0	0			
6 10 0	324	2	0	0	110	10	0	0	6	19			
...	122	0	0	0	77	7	0	0	12	16	3	10	6
1 10 0	2	10	0	0	1	10	0	0	12	0			
928 10 0	133	0	0	0	1001	4	0	7	10	13			
...	125	0	0	0	577	12	0	4	12	9	4	0	7
...	51	0	0	0	74	0	0	1	9	0			
...	35	0	0	0	30	8	0	0	17	8			
18 0 0	10	0	0	0	18	0	0	1	16	0			
...	506	0	0	0	64	0	0	0	2	12			
...	100	0	0	0	185	6	0	1	17	1	3	17	6
...	...	7 4 0	23	0	0	0	14	11	15	0	12	16			
44 0 0	112	0	0	0	164	0	0	1	9	6	4	0	0
8879 5 0	250 0 0	27 4 0	21172	10	0	0	23316	11	18	1	2	0			

TABLE NO. II.—Return of
North-East Coolgardie

KANOWNA

Official Numbers of Leases.	Name of Lease.	Name of Company.	FIRST HALF OF 1897.				
			Dolled and Specimens. oz. dwt. gr.	Concentrates.		Tailings.	
				tons.	ozs. dwts. grs.	tons.	ozs. dwts. grs.
785x	Alberta ... ..	...	...	...	...	...
824x	Black Swan ... ..	...	...	...	...	...
92x, 96x	Bonnie Charlie ... ..	...	...	...	...	...
249x, 273x	Called Back ... ..	...	...	...	...	...
844x	Diamond Jubilee ... ..	...	...	...	...	...
259x	Doyle ... ..	...	...	...	...	...
784x	Fitzroy Cement ... ..	...	...	...	...	...
40x ... ..	...	Fitzroy Gold Mining Co.	...	...	...	...
287x, 338x, 344x	General Gordon ... ..	...	...	...	...	...
392x to 397x	Gippsland Group ... ..	...	...	...	...	...
38x, 55x	Golden Crown ... ..	...	...	...	...	...
75x	Golden Feather ... ..	...	...	...	...	...
680x	Golden Road ... ..	...	...	...	...	...
696x	Golden Rainbow ... ..	...	...	...	...	...
687x	Great Day Dawn ... ..	...	...	...	...	...
555x	Great Sensation ... ..	...	...	...	...	...
83x, 180x, 200x, 201x ... ..	...	Golden Cement Claims ... ..	...	...	...	...
367x, 510x, 821x ... ..	...	Golden Valley Mines of W.A. ... ..	...	...	...	...
149x ... ..	...	Hit or Miss Proprietary ... ..	...	...	...	...
720x, 721x	Hodgkinson ... ..	...	...	...	...	...
516x	Homeward Bound ... ..	...	...	...	...	...
832x	Jubilee ... ..	...	...	...	...	...
134x, 285x, 639x ... ..	...	Kanowna Carbine... ..	...	...	...	...
18x, 19x, 314x ... ..	...	Lily Australis ... ..	...	...	...	...
187x, 456x	Last Chance ... ..	...	...	...	...	...
385x	Lord Granville No. 1 ... ..	...	...	...	...	...
822x	New Chum ... ..	...	...	...	...	...
39x, 160x	North Golden Crown ... ..	...	...	...	...	...
523x	Rising Star ... ..	...	...	...	...	...
141x, 289x	Rising Sun ... ..	...	...	...	...	...
52x, 68x, 185x, 213x ... ..	...	Robinson Gold Mining Co. ... ..	...	...	...	...
194x	Sunbeam ... ..	...	...	...	...	...
122x ... ..	...	Shamrock ... ..	...	...	...	...
834x	Vanity ... ..	...	...	...	...	...
848x	Vanity North ... ..	...	...	...	...	...
153x ... ..	...	Waldon's Find ... ..	...	...	...	...
5x ... ..	...	White Feather Extended ... ..	...	...	...	...
12x, 13x, 14x, 15x ... ..	...	White Feather Main Reef ... ..	...	...	...	...
1x, 9x, 10x, 72x, 431x ... ..	...	White Feather Reward ... ..	...	...	...	...
	Nemesis Battery (Public Crushings)	...	...	...	...	...
	From Alluvial Claims	...	...	...	...	...

Ore Milled, etc.—continued.

Goldfield.

DISTRICT.

THIRD QUARTER OF 1897.

Ore Milled.		Dollied and Specimens. oz. dwt. gr.	Concentrates.		Tailings.		Ore Smelted.		Ore Milled.		
tons	cwt. qrs. lbs.		tons.	ozs.	tons.	ozs.	tons.	ozs.	tons	cwt. qrs. lbs.	ozs. dwts. grs.
2	0 0 0	3 17 0	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	25	0 0 0	34 8 0
7	0 0 0	48 10 0	...	...	...	...	...	...	...	...	...
9	0 0 0	14 0 0	...	...	...	...	...	...	...	...	...
...
5	0 0 0	1 5 0	...	...	...	...	...	...	...	...	...
30	0 0 0	67 0 0	† 195 3 5	...	...	...	...	...	28	0 0 0	182 0 0
...
12	5 0 0	9 0 0	...	...	...	...	...	...	41	0 0 0	31 15 9
109	0 0 0	432 2 0	...	...	...	...	...	...	...	...	...
745	0 0 0	1051 6 0	...	...	...	...	...	...	270	0 0 0	215 0 0
...
...	...	...	...	...	...	...	...	...	13	10 0 0	17 10 0
...
50	0 0 0	50 8 8	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	786	0 0 0	517 17 18
710	0 0 0	165 0 0	...	...	...	...	...	...	80	0 0 0	19 10 0
...	...	...	...	...	...	...	...	...	523	0 0 0	106 5 0
...
...	...	...	...	...	...	...	...	...	10	0 0 0	22 0 0
...	...	...	...	...	...	...	...	...	25	0 0 0	19 12 0
...
44	0 0 0	37 12 0	...	...	...	...	...	...	41	0 0 0	55 0 0
...	...	...	...	...	...	...	...	...	349	0 0 0	72 16 8
20	0 0 0	4 0 20	...	...	...	...	...	...	...	...	...
21	0 0 0	43 2 0	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	87	0 0 0	18 0 0
...
50	0 0 0	25 0 0	...	...	...	...	...	...	...	...	...
2045	0 0 0	3332 0 0	...	...	...	...	...	...	1833	0 0 0	3013 4 0
56	0 0 0	66 0 0	...	...	...	...	...	...	61	0 0 0	106 4 0
...	...	...	...	...	...	...	...	...	110	0 0 0	26 17 12
...
...	...	...	...	...	...	...	...	...	235	0 0 0	297 16 6
...
403	0 0 0	457 0 0	...	...	...	...	...	...	972	0 0 0	932 6 18
...	...	* 411 6 0	...	...	...	...	...	...	...	...	...
{ 3275	0 0 0	2168 19 10	...	...	...	...	...	...	1777	0 0 0	790 17 0
{ 21	0 0 0	11 4 0	...	...	...	...	...	...	31	10 0 0	57 16 0
7644	5 0 0	8398 6 14	† 195 3 5	...	...	...	...	...	7298	0 0 0	6536 15 23
...	...	...	321 11 12	...	...	...	...	...	...	...	...

* Plates.

† Dollied.

TABLE No. II.—Return of

North-East Coolgardie

KANOWNA

Official Numbers of Leases.	Name of Lease.	Name of Company.	FOURTH QUARTER OF 1897.				
			Dollied and Specimens. oz. dwt. gr.	Concentrates.		Tailings.	
				tons.	ozs. dwts. grs.	tons.	ozs. dwts. grs.
785x	Alberta ... ..	...	...	...	...	...
824x	Black Swan ... ..	...	...	...	...	...
92x, 96x	Bonnie Charlie ... ..	...	...	...	...	...
249x, 273x	Called Back ... ..	...	...	...	...	...
844x	Diamond Jubilee ... ..	...	...	...	...	...
259x	Doyle ... ..	...	...	...	...	...
784x	Fitzroy Cement ... ..	...	...	...	...	...
40x ... ..	...	Fitzroy Gold Mining Co. ...	+99 0 0	...	...	...
287x, 338x, 344x	General Gordon ... ..	...	+2 1 7	...	...	...
392x to 397x	Gippsland Group ... ..	...	...	...	...	...
38x, 55x	Golden Crown ... ..	...	...	...	...	...
75x	Golden Feather ... ..	...	...	...	...	...
680x	Golden Road ... ..	...	...	...	...	...
696x	Golden Rainbow ... ..	...	...	...	...	...
687x	Great Day Dawn ... ..	...	...	...	...	...
555x	Great Sensation ... ..	...	...	...	...	...
83x, 180x, 200x, 201x ... ..	...	Golden Cement Claims ... ..	...	...	...	...
367x, 510x, 821x ... ..	...	Golden Valley Mines of W.A. ...	...	...	...	...
149x ... ..	...	Hit or Miss Proprietary ... ..	...	...	...	...
720x, 721x	Hodgkinson ... ..	...	...	...	...	...
516x	Homeward Bound ... ..	...	...	...	...	...
882x	Jubilee ... ..	...	...	...	...	...
134x, 285x, 639x ... ..	...	Kanowna Carbine... ..	...	...	...	...
18x, 19x, 314x ... ..	...	Lily Australis ... ..	...	...	...	...
187x, 456x	Last Chance ... ..	...	...	...	...	...
385x	Lord Granville No. 1 ... ..	...	...	...	...	...
822x	New Chum ... ..	...	...	...	...	...
39x, 160x	North Golden Crown ... ..	...	...	...	...	...
523x	Rising Star ... ..	...	...	...	...	...
141x, 289x	Rising Sun ... ..	...	...	...	...	...
52x, 68x, 185x, 213x ... ..	...	Robinson Gold Mining Co....	...	...	...	...
194x	Sunbeam ... ..	...	...	...	...	...
122x ... ..	...	Shamrock ... ..	...	...	...	...
834x	Vanity ... ..	...	...	...	...	...
848x	Vanity North ... ..	...	...	...	...	...
153x ... ..	...	Waldon's Find ... ..	...	...	...	...
5x ... ..	...	White Feather Extended ... ..	...	...	...	...
12x, 13x, 14x, 15x ... ..	...	White Feather Main Reef ... ..	...	...	...	...
1x, 9x, 10x, 72x, 431x ... ..	...	White Feather Reward ... ..	...	...	...	...
	Nemesis Battery (Public Crushings)	...	101 1 7	...	...	...
	From Alluvial Claims	...	10290 6 22	...	...	...

† Dollied.

Ore Milled, etc.--continued.

Goldfield--continued.

DISTRICT--continued.

FOURTH QUARTER OF 1897--continued.				TOTALS FOR 1897.		
Ore Smelted.		Ore Milled.		Dolled and Specimens. ozs. dwts. grs.	Ore Treated. tons cwt. qrs. lbs.	Gold Yield. ozs. dwts. grs.
tons cwt. qrs. lbs.	ozs. dwts. grs.	tons cwt. qrs. lbs.	ozs. dwts. grs.			
...	2 0 0 0	3 17 0
...	25 0 0 0	34 8 0
...	7 0 0 0	48 10 0
...	9 0 0 0	14 0 0
...	...	4 0 0 0	8 1 0	...	4 0 0 0	8 1 0
...	5 0 0 0	1 5 0
...	...	30 0 0 0	328 2 0	† 294 3 5	88 0 0 0	577 2 0
...	2 1 7	...	...
...	53 5 0 0	40 15 9
...	...	150 0 0 0	186 9 0	...	259 0 0 0	618 11 0
...	1015 0 0 0	1266 0 0
...	...	49 0 0 0	118 0 0	...	49 0 0 0	118 0 0
...	...	9 0 0 0	11 0 0	...	22 10 0 0	28 10 0
...	...	3 0 0 0	5 15 21	...	3 0 0 0	5 15 21
...	...	48 10 0 0	24 14 6	...	48 10 0 0	24 14 6
...	50 0 0 0	50 8 8
...	...	132 0 0 0	80 0 6	...	918 0 0 0	597 18 0
...	...	420 0 0 0	130 10 0	...	1240 0 0 0	315 0 0
...	523 0 0 0	106 5 0
...
...	10 0 0 0	22 0 0
...	25 0 0 0	19 12 0
...	...	381 10 0 0	130 15 16	...	381 10 0 0	130 15 16
...	...	112 0 0 0	37 10 0	...	197 0 0 0	130 2 0
...	349 0 0 0	72 16 8
...	20 0 0 0	4 0 20
...	21 0 0 0	43 2 0
...	87 0 0 0	18 0 0
...	...	50 0 0 0	50 0 0	...	50 0 0 0	50 0 0
...	50 0 0 0	25 0 0
...	...	1732 0 0 0	1618 13 12	...	5610 0 0 0	7963 17 12
...	...	92 0 0 0	229 9 6	...	209 0 0 0	401 13 6
...	...	143 0 0 0	15 17 12	...	253 0 0 0	42 15 0
...	...	5 0 0 0	5 3 9	...	5 0 0 0	5 3 9
...	...	2 0 0 0	8 10 0	...	2 0 0 0	8 10 0
...	...	305 0 0 0	358 8 0	...	540 0 0 0	656 4 6
...	...	108 0 0 0	80 14 12	...	108 0 0 0	80 14 12
...	...	1450 0 0 0	810 1 0	...	2825 0 0 0	2199 7 18
...	...	1640 0 0 0	742 18 18	...	6744 10 0 0	4183 1 4
...	...	6866 0 0 0	4980 13 22	296 4 12	21808 5 0 0	19915 16 11
...	10611 18 10	...	...

† Dolled.

TABLE No. II.—Return of
North-East Coolgardie

KANOWNA

Official Numbers of Leases.	Name of Lease.	Name of Company.	TOTALS PREVIOUS TO 1897.		
			Ounces from Unknown Tons.	Dollied and Specimens. ozs. dwts. grs.	Ore Treated. tons cwt. qrs. lbs.
785x	Alberta ... ..	...	...	...	...
824x	Black Swan ... ..	...	...	...	...
92x, 96x	Bonnie Charlie ... ..	...	...	...	17 0 0 0
249x, 273x	Called Back ... ..	...	...	...	...
844x	Diamond Jubilee ... ..	...	...	...	...
259x	Doyle ... ..	...	...	...	...
784x	Fitzroy Cement ... ..	...	...	...	4 6 0 0
40x ... ..	...	Fitzroy Gold Mining Co. ... ..	...	...	...
287x, 338x, 344x	General Gordon ... ..	...	...	...	...
392x to 397x	Gippsland Group ... ..	...	...	...	...
38x, 55x	Golden Crown ... ..	...	...	...	...
75x	Golden Feather ... ..	...	...	...	...
680x	Golden Road ... ..	...	...	...	...
696x	Golden Rainbow ... ..	...	...	...	...
687x	Great Day Dawn ... ..	...	...	...	...
555x	Great Sensation ... ..	...	...	...	...
85x, 180x, 200x, 201x ... ..	...	Golden Cement Claims ... ..	...	...	...
367x, 510x, 821x ... ..	...	Golden Valley Mines of W.A. ... ..	...	...	...
149x ... ..	...	Hit or Miss Proprietary ... ..	...	...	1692 0 0 0
720x, 721x	Hodgkinson ... ..	...	...	...	1 0 0 0
516x	Homeward Bound ... ..	...	...	...	...
832x	Jubilee ... ..	...	...	...	...
134x, 285x, 639x ... ..	...	Kanowna Carbine... ..	...	...	130 0 0 0
18x, 19x, 314x ... ..	...	Lily Australis ... ..	...	...	...
187x, 456x	Last Chance ... ..	...	...	...	...
385x	Lord Granville No. 1 ... ..	...	...	...	...
822x	New Chum ... ..	...	...	...	...
39x, 160x	North Golden Crown ... ..	...	...	...	...
523x	Rising Star ... ..	...	...	...	...
141x, 289x	Rising Sun ... ..	...	...	...	...
52x, 68x, 185x, 213x ... ..	...	Robinson Gold Mining Co. ... ..	...	...	642 0 0 0
194x	Sunbeam ... ..	...	...	...	...
122x ... ..	...	Shamrock ... ..	...	...	...
834x	Vanity ... ..	...	...	...	...
848x	Vanity North ... ..	...	...	...	...
153x ... ..	...	Waldon's Find ... ..	...	...	...
5x ... ..	...	White Feather Extended ... ..	...	...	...
12x, 13x, 14x, 15x ... ..	...	White Feather Main Reef ... ..	...	...	...
1x, 9x, 10x, 72x, 431x ... ..	...	White Feather Reward ... ..	...	...	3071 0 0 0
	Nemesis Battery (Public Crushings)	...	...	...	...
	From Alluvial Claims	...	...	...	5557 6 0 0

BULONG

Official Numbers of Leases.	Name of Lease.	Name of Company.	FIRST HALF OF 1897.				
			Dollied and Specimens. oz. dwt. gr.	Concentrates.		Tailings.	
				tons.	ozs. dwts. grs.	tons.	ozs. dwts. grs.
500Y	Fremantle ... ..	...	...	...	...	...
83Y	Fremantle Ext. South } ... ..	...	...	...	...	...
507Y ... ..	...	Great Eastern G.M. Co. ... ..	...	...	...	...
70Y ... ..	...	Great Oversight G.M. Co. ... ..	...	...	...	...
22Y, 42Y ... ..	...	Great Reefs G.M. Co. ... ..	...	...	...	...
11Y ... ..	...	Melbourne United G.M. Co. ... ..	...	...	...	...
204Y	Mount Alexander ... ..	...	...	...	...	...
637Y	Mount Craig ... ..	...	...	...	...	...
9Y ... ..	...	Queen Margaret G.M. Co. ... ..	...	...	...	...
95Y ... ..	...	Queen Margaret Sth. G.M. Co.	*400 0 0	...	...	...
506Y, 558Y ... ..	...	Trafalgar G.M. Co. ... ..	...	...	...	...
14Y	White Horse ... ..	...	...	...	...	...
			400 0 0	...	...	...

* Specimens.

Ore Milled, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

Gold Yield. ozs. dwts. grs.	TOTAL GOLD PRODUCTION.						Mint Value of Gold per Ounce.								
	Ounces from Unknown Tons.	Dolled and Specimens. ozs. dwts. grs.	Ore Treated. tons cwt. qrs. lbs.				Gold Yield. ozs. dwts. grs.			Average. ozs. dwts. grs.			£	s.	d.
						
...	2	0	0	0	3	17	0	1	18	12			
...	25	0	0	0	34	8	0	1	7	12			
14 0 0	24	0	0	0	62	10	0	2	12	2			
...	9	0	0	0	14	0	0	1	11	2			
...	74	0	0	0	8	1	0	2	0	6			
...	5	0	0	0	1	5	0	0	5	0			
41 0 0	...	294 3 5	92	6	0	0	618	2	0	6	14	8	3	17	8
...	...	2 1 7	...	...	...	...	...	...	...	...	...	...
...	53	5	0	0	40	15	9	0	15	8			
...	259	0	0	0	618	11	0	2	7	18			
...	1015	0	0	0	1266	0	0	1	4	22			
...	49	0	0	0	118	0	0	2	8	3	3	17	0
...	22	10	0	0	28	10	0	1	5	8	3	16	4
...	3	0	0	0	5	15	21	1	18	15	3	15	0
...	48	10	0	0	24	14	6	0	10	4	3	12	6
...	50	0	0	0	50	8	8	1	0	4			
...	918	0	0	0	597	0	0	0	13	0	3	17	10½
...	1240	0	0	0	315	0	0	0	5	1	3	17	10½
1029 0 0	2215	0	0	0	1135	5	0	0	10	6			
4 0 0	1	0	0	0	4	0	0	4	0	0			
...	10	0	0	0	22	0	0	2	4	0			
...	25	0	0	0	19	12	0	0	15	16			
164 0 0	511	10	0	0	294	15	16	0	11	12	3	17	6
...	197	0	0	0	130	2	0	0	13	4	3	17	10
...	349	0	0	0	72	16	8	0	4	4			
...	20	0	0	0	4	0	20	0	4	0			
...	21	0	0	0	43	2	0	2	1	1			
...	87	0	0	0	18	0	0	0	4	3			
...	50	0	0	0	50	0	0	1	0	0	3	10	0
...	50	0	0	0	25	0	0	0	10	0			
1071 0 0	6252	0	0	0	9034	17	12	1	8	21	3	15	10
...	209	0	0	0	401	13	6	1	18	10	3	15	0
...	253	0	0	0	42	15	0	0	3	9	3	9	0
...	5	0	0	0	5	3	9	1	0	16	4	3	0
...	2	0	0	0	8	10	0	4	5	0	4	0	0
...	540	0	0	0	656	4	6	1	4	7	3	17	10½
...	108	0	0	0	80	14	12	0	14	22	3	15	6
...	2825	0	0	0	2199	7	18	0	15	13	3	13	10
6004 19 0	9815	10	0	0	10188	0	4	1	0	18			
8327 19 0	...	296 4 12	27365	11	0	0	28243	15	11	1	0	15			
...	...	10611 18 10	...	...	...	...	...	...	...	...	...	...

DISTRICT.

THIRD QUARTER OF 1897.

Ore Milled.		Dolled and Specimens. oz. dwt. gr.	Concentrates.		Tailings.		Ore Smelted.		Ore Milled.		
tons cwt. qrs. lbs.	ozs. dwts. grs.		tons.	ozs.	tons.	ozs.	tons.	ozs.	tons cwt. qrs. lbs.	ozs. dwts. grs.	
...	...	...	...	...	...	...	...	...	...	91 0 0 0	41 18 0
...	...	...	...	...	...	...	...	...	...	80 0 0 0	40 18 0
273 0 0 0	157 13 12	...	...	...	...	...	...	...	...	109 0 0 0	72 0 0
617 0 0 0	221 19 0	...	...	...	...	...	...	...	...	296 0 0 0	99 10 0
...	...	...	...	...	...	...	...	...	...	145 15 0 0	136 14 23
6 10 0 0	13 0 0	...	...	...	...	...	...	...	...	...	...
...
1106 0 0 0	2694 6 0	...	...	...	...	...	...	...	...	1253 5 0 0	1867 7 14
7 0 0 0	42 14 0	*170 0 0	...	...	...	...	...	...	...	34 0 0 0	541 10 6
...	...	...	...	...	...	...	...	...	...	30 0 0 0	12 8 0
...
2009 10 0 0	3129 12 12	170 0 0	...	...	...	...	...	...	...	2039 0 0 0	2812 6 19

* Specimens.

TABLE NO. II.—Return of
North-East Coolgardie
BULONG

Official Numbers of Leases.	Name of Lease.	Name of Company.	FOURTH QUARTER OF 1897.					
			Dollied and Specimens. oz. dwt. gr.	Concentrates.			Tailings.	
				tons.	ozs.	dwt.	grs.	tons.	ozs. dwt. grs.
500y	Fremantle	...	...	...	...	...	...
83y	Fremantle Ext. South	...	...	...	...	...	...
507y	...	Great Eastern G.M. Co.	...	...	...	...	...
70y	...	Great Oversight G.M. Co.	...	...	...	...	...
22y, 42y	...	Great Reefs G.M. Co.	...	...	...	...	...
11y	...	Melbourne United G.M. Co.	...	...	...	...	...
204y	Mount Alexander	...	...	...	...	...	...
637y	Mount Craig	...	...	...	...	...	...
9y	...	Queen Margaret G.M. Co.	...	...	...	...	...
95y	...	Queen Margaret Sth. G.M. Co.	...	...	...	...	...
506y, 558y	...	Trafalgar G.M. Co.	...	...	...	...	...
14y	White Horse	...	...	...	...	...	...

BULONG

Official Numbers of Leases.	Name of Lease.	Name of Company.	TOTALS PREVIOUS TO 1897.						
			Ounces from Unknown Tons.	Dollied and Specimens. ozs. dwt. grs.	Ore Treated.				
					tons	cwt.	qrs.	lbs.	
500y	Fremantle	...	...	...	...	...	...
83y	Fremantle Ext. South	...	...	...	...	...	...
507y	...	Great Eastern G.M. Co.	...	...	...	...	...
70y	...	Great Oversight G.M. Co.	60	0	0	0	
22y, 42y	...	Great Reefs G.M. Co.	...	...	...	...	...
11y	...	Melbourne United G.M. Co.	18	0	0	0	
204y	Mount Alexander	2	0	0	0	
637y	Mount Craig	...	...	...	...	...	...
9y	...	Queen Margaret G.M. Co.	15	0	0	0	
95y	...	Queen Margaret Sth. G.M. Co.	...	150	0	0	...		
506y, 558y	...	Trafalgar G.M. Co.	...	...	...	...	...
14y	White Horse	...	...	...	...	...	...
			150	0	0	95	0	0	0

KURNALPI

Official Numbers of Leases.	Name of Lease.	Name of Company.	FIRST HALF OF 1897.					
			Dollied and Specimens. oz. dwt. gr.	Concentrates.			Tailings.	
				tons.	ozs.	dwt.	grs.	tons.	ozs. dwt. grs.
40BK (665E)	Fenian	...	...	...	...	...	...
160K	Harriet	...	...	...	...	...	...
22K	...	Kurnalpi G.M. Co., Ltd.	...	...	...	...	...
50K, 113K	Mt. Simon Mines	...	...	...	...	...	...
207K	Success	...	...	...	...	...	...
	From Alluvial Claims	...	...	...	...	...	...

KURNALPI

Official Numbers of Leases.	Name of Lease.	Name of Company.	FOURTH QUARTER OF 1897.					
			Dollied and Specimens. oz. dwt. gr.	Concentrates.			Tailings.	
				tons.	ozs.	dwt.	grs.	tons.	ozs. dwt. grs.
40BK (665E)	Fenian	...	...	...	...	...	...
160K	Harriet	...	...	...	...	...	...
22K	...	Kurnalpi G.M. Co., Ltd.	...	...	...	...	...
50K, 113K	Mt. Simon Mines	...	...	...	...	...	...
207K	Success	...	...	...	...	...	...
	From Alluvial Claims	...	306	0	12	...	...

Ore Milled, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

FOURTH QUARTER OF 1897—continued.				TOTALS FOR 1897.			
Ore Smelted.		Ore Milled.		Dollied and Specimens. ozs. dwts. grs.	Ore Treated. tons cwt. qrs. lbs.	Gold Yield. oz. dwts. grs.	
tons cwt. qrs. lbs.	ozs. dwts. grs.	tons cwt. qrs. lbs.	ozs. dwts. grs.				
...	91 0 0 0	41 18 0	
...	80 0 0 0	40 18 0	
...	382 0 0 0	229 13 12	
...	...	168 0 0 0	71 6 0	...	1081 0 0 0	392 15 0	
...	...	32 0 0 0	9 0 13	...	177 15 0 0	145 15 12	
...	6 10 0 0	13 0 0	
...	...	12 0 0 0	9 16 16	...	12 0 0 0	9 16 16	
...	...	2163 10 0 0	2243 17 12	...	4522 15 0 0	6805 11 2	
...	570 0 0	41 0 0 0	584 4 6	
...	30 0 0 0	12 8 0	
...	...	150 0 0 0	417 0 0	...	150 0 0 0	417 0 0	
		2525 10 0 0	2751 0 17	570 0 0	6574 0 0 0	8693 0 0	

DISTRICT—continued.

TOTAL GOLD PRODUCTION.							Mint Value of Gold per Ounce. £ s. d.
Gold Yield. ozs. dwts. grs.	Ounces from Unknown Tons.	Dollied and Specimens. ozs. dwts. grs.	Ore Treated. tons cwt. qrs. lbs.	Gold Yield. ozs. dwts. grs.	Average. ozs. dwts. grs.		
...	91 0 0 0	41 18 0	0 9 5		
...	80 0 0 0	40 18 0	0 10 5		
120 0 0	442 0 0 0	349 13 12	0 15 19		
...	1081 0 0 0	392 15 0	0 7 6	3 18 9	
75 0 0	195 15 0 0	220 15 12	1 2 12	3 14 0	
6 0 0	8 10 0 0	19 0 0	2 4 16		
...	12 0 0 0	9 16 16	0 16 9	4 2 6	
197 0 0	4537 15 0 0	7002 11 2	1 10 20	4 0 0	
...	...	720 0 0	41 0 0 0	584 4 6	14 4 23	4 0 0	
...	30 0 0 0	12 8 0	0 8 6		
...	150 0 0 0	417 0 0	2 15 14	3 17 6	
398 0 0	...	720 0 0	6669 0 0 0	9091 0 0	1 7 6		

DISTRICT.

THIRD QUARTER OF 1897.										
Ore Milled.		Dollied and Specimens. oz. dwt. gr.	Concentrates.		Tailings.		Ore Smelted.		Ore Milled.	
tons cwt. qrs. lbs.	ozs. dwts. grs.		tons.	ozs.	tons.	ozs.	tons.	ozs.	tons cwt. qrs. lbs.	ozs. dwts. grs.
28 0 0 0	7 0 0	...	...	...	...	...	...	...	...	...
25 0 0 0	10 0 0	...	...	...	...	...	...	...	...	...
50 0 0 0	30 0 0	...	...	...	...	...	...	6 0 0 0	3 2 0	...
55 0 0 0	10 0 0	...	...	...	...	...	...	...	...	...
158 0 0 0	57 0 0	...	...	...	...	...	...	6 0 0 0	3 2 0	...

DISTRICT—continued.

FOURTH QUARTER OF 1897—continued.				TOTALS FOR 1897.			
Ore Smelted.		Ore Milled.		Dollied and Specimens. ozs. dwts. grs.	Ore Treated. tons cwt. qrs. lbs.	Gold Yield. oz. dwts. grs.	
tons cwt. qrs. lbs.	ozs. dwts. grs.	tons cwt. qrs. lbs.	ozs. dwts. grs.				
...
...	28 0 0 0	7 0 0	...
...	25 0 0 0	10 0 0	...
...	56 0 0 0	33 2 0	...
...	55 0 0 0	10 0 0	...
...
...	306 0 12	164 0 0 0	60 2 0	...

TABLE NO. II.—*Return of*
North-East Coolgardie

KURNALPI

Official Numbers of Leases.	Name of Lease.	Name of Company.	TOTALS PREVIOUS TO 1897.		
			Ounces from Unknown Tons.	Dollied and Specimens. ozs. dwts. grs.	Ore Treated. tons cwt. qrs. lbs.
40vk (665E) ...	Fenian ... ..	... ..	...	...	30 0 0 0
160k	Harriet ... ..	... ..	...	...	...
22k ... ..	... ..	Kurnalpi G.M. Co., Ltd.	...	...	...
50k, 113k	Mt. Simon Mines ... ..	... ..	...	...	...
207k	Success ... ..	... ..	...	...	...
	From Alluvial Claims ...	... ..	...	...	30 0 0 0

Ore Milled, etc.—continued.

Goldfield—*continued.*

DISTRICT—*continued.*

Gold Yield. ozs. dwts. grs.	TOTAL GOLD PRODUCTION.					Mint Value of Gold per Ounce.		
	Ounces from Unknown Tons.	Dolled and Specimens. ozs. dwts. grs.	Ore Treated. tons cwt. qrs. lbs.	Gold Yield. ozs. dwts. grs.	Average. ozs. dwts. grs.	£	s.	d.
100 0 0	30 0 0 0	100 0 0	3 6 16			
...	28 0 0 0	7 0 0	0 5 0			
...	25 0 0 0	10 0 0	0 8 0			
...	56 0 0 0	33 2 0	0 11 11			
...	55 0 0 0	10 0 0	0 3 15			
100 0 0	...	306 0 12	194 0 0 0	160 2 0	0 16 12			
...	...							

TABLE No. II.—Return of

East Coolgardie

KALGOORLIE

FIRST HALF OF 1897.

Official Numbers of Leases.	Name of Lease.	Name of Company.	FIRST HALF OF 1897.					
			Dollied and Specimens. oz. dwt. gr.	Concentrates.			Tailings.	
				tons.	ozs.	dwt.	grs.	tons.	ozs. dwt. grs.
38E, 71E, 72E ...	...	Associated Gold Mines, Limited	...	...	...	...	...	...
853E, 860E, 861E, 922E, 960E, 988E, 999E, 1007E, 1075E, 2121E } 281E ...	...	Brown Hill Proprietary ...	...	...	...	...	...	...
4E ...	Cassidy Hill ...	Brookman Bros. Boulder Gold Mining Company, Limited	...	...	...	...	...	...
24E, 949E ...	...	Central Boulder Gold Mining Company, Limited	...	...	...	...	...	...
238E ...	...	Crossus North No 1, Limited	...	...	...	...	...	...
351E ...	...	Golden Horseshoe Gold Mining Company, Limited	...	...	...	...	...	...
1694E...	...	Golden Zone Gold Mining Company	...	...	...	...	...	...
66E ...	...	Great Boulder Perseverance Gold Mining Company, Limited	...	...	...	...	...	...
873E ...	...	Great Boulder Main Reefs, Limited	...	...	...	...	...	...
16E, 51E, 61E, 102E, 280E	...	Great Boulder Proprietary Gold Mines, Limited	...	...	...	...	...	...
2310E, 2312E, 2313E, 2316E	...	Golden Ridge, Western Australian Proprietary Company, Limited	...	...	...	...	...	...
3643E ...	Hainault ...	...	...	...	...	...	...	...
698E ...	...	Hannan's Brown Hill Gold Mining Company	...	...	...	...	...	...
739E ...	...	Hannan's Crossus Gold Mining Company, Limited	...	...	...	...	...	...
9E, 37E, 42E ...	...	Hannan's Find Gold Reefs, Limited	...	...	...	...	...	...
983E, 1183E, 1393E, 1300E	...	Hannan's Golden Group Gold Mining Company	...	...	...	...	...	...
248E ...	...	Hannan's North Gold Mining Company	...	...	...	...	...	...
410E, 432E ...	...	Hannan's Oroya G.M. Co. of W.A., Ltd.	...	...	...	...	...	...
97E, 160E ...	...	Hannan's Reward G.M. Co., Ltd.	...	...	...	...	...	...
501E, 1591E, 2988E ...	...	Hannan's Sir John Forrest G. Mines, Ltd.	...	...	...	...	...	...
6E ...	Hannan's Block 45	...	...	...	...	...	...	...
1292E ...	Hannan's Britannia	...	...	...	...	...	...	...
69E, 192E, 46E ...	Hesperus	...	...	...	...	...	...	...
31E ...	...	Ivanhoe Gold Corporation, Ltd.	...	...	...	...	...	...
3364E ...	Ivanhoe Venture	...	...	...	...	...	...	...
3047E ...	Kingston	...	...	...	...	...	...	...
73E, 74E ...	...	Kalgoorlie Mint and Iron King G. Mines, Ltd.	...	...	...	...	...	...
22E, 34E ...	...	Kalgurli G.M., Ltd. ...	...	...	...	...	...	...
33E ...	...	Kalgoorlie Bank of England G.M. Co., Ltd.	...	...	...	...	...	...
25E, 32E ...	...	Lake View Consols, Ltd. ...	...	...	...	...	...	...
75E ...	...	Lake View South G.M. of W.A., Ltd.	...	...	...	...	...	...
2E, 279E ...	...	Maritana G.M. Co., Ltd. ...	...	...	...	...	...	...
211E, 212E, 213E, 1653E	...	Mt. Charlotte G.M. Co., Ltd.	...	...	...	...	...	...
35E ...	...	N. Boulder G.M. Co., Ltd. ...	...	...	...	...	...	...
3522E ...	Nordenfeldt No. 1	...	...	...	...	...	...	...
1769E ...	Pride of Kalgoorlie	...	...	...	...	...	...	...
225E, 1114E ...	...	Reefer's Eureka G.M. Co. ...	...	...	...	...	...	...
448E, 578E ...	...	True Blue G.M. Co.	...	...	...	...	...	...
3349E, 3452E ...	...	Victoria United G.M. Co., No Liability	...	...	...	...	...	...
			15	13	0			

† Dollied.

Ore Milled, etc.—continued.

Goldfield.

DISTRICT.

THIRD QUARTER OF 1897.																										
Ore Milled.				Dolled and Specimens. oz. dwt. gr.	Concentrates.		Tailings.		Ore Smelted.		Ore Milled.															
tons	cwt.	qrs.	lbs.		ozs.	dwt.	grs.	tons.	ozs.	tons.	ozs.	tons.	cwt.	qrs.	lbs.	ozs.	dwt.	grs.								
668	0	0	0	3576	0	0	...	...	...	...	...	...	3333	0	0	0	6142	0	0	
...							
...							
200	0	0	0	195	0	0	...	...	...	...	...	...	290	0	0	0	261	7	0	
...							
...	...	...	...	...	...	...	...	...	...	...	...	...	1055	0	0	0	4647	15	12
171	0	0	0	126	18	19	...	...	...	...	...	...	...	...	...	...	...	...	...
5720	0	0	0	14154	0	0	...	...	...	...	...	...	4253	0	0	0	5079	5	9	
406	5	0	0	1184	4	17	...	...	...	...	...	...	304	0	0	0	1884	8	0	
12484	0	0	0	37944	2	13	...	...	...	...	...	...	7737	0	0	0	21657	8	0	
17	0	0	0	4	9	0	...	...	...	...	...	...	110	10	0	0	239	17	18	
...							
2720	11	0	0	19699	13	13	5	7	22	451	0	0	0						
117	10	0	0	818	7	0	...	...	...	...	...	...	133	5	0	0	374	18	0	
...	...	...	...	...	...	...	...	...	...	...	...	...	37	10	0	0	19	19	0
...							
...							
505	17	0	0	427	18	6	...	...	...	...	...	...	...	...	...	...	...	...	...
...							
...							
8	0	0	0	45	6	0	19	11	0	0						
...	21	10	0	0						
...							
6524	0	0	0	13744	19	12	...	...	...	...	...	...	3849	0	0	0	6929	17	10	
...							
2	0	0	0	2	8	0	...	...	...	...	...	...	...	...	...	...	...	...	...
207	0	0	0	357	11	0	...	...	...	...	...	...	500	0	0	0	1101	0	0	
38	0	0	0	586	8	0	...	...	...	...	...	...	...	...	...	...	...	...	...
109	10	0	0	646	1	0	...	...	...	...	...	...	...	...	...	...	...	...	...
7547	0	0	0	21119	4	9	...	105	1164	5769	6657	12	87	10	276	7	11	4473	0	0	0					
...							
50	0	0	0	16	10	0	22	2	0	0						
...							
2223	0	0	0	5371	10	0	54	0	0	0						
...							
...	50	0	0	0						
...							
...	17	0	0	0						
39718	13	0	0	120020	11	17	...	105	1169	7	22	5769	6657	12	87	10	276	7	11	27803	8	0	0	62086	4	18

TABLE No. II.—Return of
East Coolgardie

KALGOORLIE

Official Numbers of Leases.	Name of Lease.	Name of Company.	FOURTH QUARTER OF 1897.				
			Dolled and Specimens. oz. dwt. gr.	Concentrates.		Tailings.	
				tous.	ozs. dwts. grs.	tous.	ozs. dwts. grs.
38E, 71E, 72E ...	...	Associated Gold Mines, Limited	...	...	...	...	...
853E, 860E, 861E, 922E, 960, 988E, 999E, 1007E, 1075E, 2121E	...	Brown Hill Proprietary	...	...	...	...	...
281E ...	...	Brookman Bros. Boulder Gold Mining Company, Limited	...	...	...	...	...
4E ...	Cassidy Hill ...	...	...	...	...	...	...
24E, 949E ...	...	Central Boulder Gold Mining Company, Limited	...	...	...	...	...
238E ...	...	Crossus North No. 1, Limited	...	...	...	...	...
351E ...	...	Golden Horseshoe Gold Mining Co., Limited	...	...	...	...	...
1694E ...	...	Golden Zone Gold Mining Company	...	...	...	...	...
66E ...	...	Great Boulder Perseverance Gold Mining Company, Limited	...	...	...	...	...
873E ...	...	Great Boulder Main Reefs, Limited	...	...	...	...	...
16E, 51E, 61E, 102E, 280E ...	...	Great Boulder Proprietary Gold Mines, Limited	...	...	...	...	...
2310E, 2312E, 2313E, 2316E	...	Golden Ridge Western Australian Proprietary Company, Limited	...	...	...	...	...
3643E ...	Hainault ...	...	...	...	...	...	...
698E ...	...	Hannan's Brown Hill Gold Mining Company	...	...	...	...	...
739E ...	...	Hannan's Crossus Gold Mining Company, Limited	...	...	...	...	...
9E, 37E, 42E ...	...	Hannan's Find Gold Reefs, Limited	...	...	...	...	...
983E, 1183E, 1393 1300E	...	Hannan's Golden Group Gold Mining Company	...	...	...	...	...
248E ...	...	Hannan's North Gold Mining Company	...	...	...	...	...
410E, 432E ...	...	Hannan's Oroya G.M. Co. of W.A., Ltd.	...	...	...	...	...
97E, 160E ...	...	Hannan's Reward G.M. Co., Ltd.	...	...	...	...	...
501E, 1591E, 2988E ...	...	Hannan's Sir John Forrest G. Mines, Ltd.	...	...	...	...	...
6E ...	Hannan's Block 45 ...	...	...	...	...	...	...
1292E ...	Hannan's Britannia ...	...	...	...	...	...	...
69E, 192E, 46E ...	Hesperus ...	...	...	...	...	...	...
31E ...	...	Ivanhoe Gold Corporation, Ltd.	...	...	...	...	...
3364E ...	Ivanhoe Venture ...	...	...	...	...	...	...
3047E ...	Kingston ...	...	...	...	...	...	...
73E, 74E ...	...	Kalgoorlie Mint and Iron King G. Mines, Ltd.	...	...	...	...	...
22E, 34E ...	...	Kalgurli G.M., Ltd.	...	...	...	...	...
33E ...	...	Kalgoorlie Bank of England G.M. Co., Ltd.	...	...	...	...	...
25E, 32E ...	...	Lake View Consols, Ltd.	...	...	...	6156	6227 16 0
75E ...	...	Lake View South G.M. of W.A., Ltd.	...	...	...	...	...
2E, 279E ...	...	Maritana G.M. Co., Ltd.	...	...	...	...	...
211E, 212E, 213E, 1653E	...	Mt. Charlotte G.M. Co., Ltd.	...	...	...	...	...
35E ...	...	N. Boulder G.M. Co., Ltd.	...	...	...	...	...
3522E ...	Nordenfeldt No. 1 ...	...	...	...	...	...	...
1769E ...	Pride of Kalgoorlie ...	...	...	...	...	...	...
225E, 1114E ...	...	Reefer's Eureka G.M. Co.	...	...	...	...	...
448E, 578E ...	...	True Blue G.M. Co.	...	...	...	...	...
3349E, 3452E ...	...	Victoria United G.M. Co., No-Liability	...	...	...	...	...
			30 10 0			6156	6227 16 0

* Picked from quartz leaders.

Ore Milled, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

FOURTH QUARTER OF 1897—continued.				TOTALS FOR 1897.			
Ore Smelted.		Ore Milled.		Dolled and Specimens.	Ore Treated.	Gold Yield.	
tons cwt. qrs. lbs.	ozs. dwts. grs.	tons cwt. qrs. lbs.	ozs. dwts. grs.			tons cwt. qrs. lbs.	ozs. dwts. grs.
{ 1181 11 0 0	3972 14 0	1700 0 0 0	2329 0 0	...	12594 15 0 0	26173 7 0	
{ 981 13 0 0	2742 19 0	1944 0 0 0	2418 0 0	...			
{ 736 11 0 0	2637 14 0	2050 0 0 0	2355 0 0	...			
...	
...	...	{ 130 0 0 0	55 9 0	...	600 0 0 0	217 19 0	
...	...	{ 170 0 0 0	65 8 0	...	...	...
...	...	{ 300 0 0 0	97 2 0	...	490 0 0 0	456 7 0	
...	
...	...	20 5 0 0	11 10 0	...	20 5 0 0	11 10 0	
...	...	458 7 3 0	1690 12 0	...	1513 7 3 0	6338 7 12	
...	...	...	...	...	171 0 0 0	126 18 19
1460 0 0 0	5188 0 0	1850 0 0 0	1947 0 0	...	13283 0 0 0	26368 5 9	
138 17 0 0	709 5 16	1048 0 0 0	1817 8 2	...	189 2 0 0	5595 6 11	
...	...	9242 0 0 0	23690 10 9	...	29463 0 0 0	83292 0 22	
...	...	...	...	...	127 10 0 0	244 6 18
{ 209 19 2 0	1695 17 13	...	...	...	4073 0 0 26	27164 5 6
{ 121 10 0 18	495 16 0	...	...	...	250 15 0 0	1193 5 0
{ 469 12 3 4	2191 12 16	...	...	...	37 10 0 0	19 19 0
{ 100 6 3 4	601 10 16	...	...	...	...	...
...	...	10 0 0 0	12 10 0	...	10 0 0 0	12 10 0	
...	...	1954 0 0 0	759 17 0	...	2459 17 0 0	1187 15 6	
...	...	1198 0 0 0	516 14 11	...	2291 0 0 0	1462 9 11	
...	...	52 0 0 0	46 9 0	...	52 0 0 0	46 9 0	
...	...	...	...	...	27 11 0 0	119 6 0
...	...	...	...	...	21 10 0 0	20 15 0
...	...	4574 0 0 0	8660 8 12	...	14947 0 0 0	29335 5 10	
...	...	...	...	30 10 0	...	...
...	...	310 0 0 0	694 16 0	...	2 0 0 0	2 8 0	
...	...	...	...	...	1017 0 0 0	2153 7 0
{ 477 0 0 0	2047 5 0	...	...	...	1054 9 2 0	4879 9 10
{ 539 9 2 0	2245 16 10	...	...	...
...	...	...	...	...	109 10 0 0	646 1 0
...	...	14564 0 0 0	25819 2 0	...	26671 10 0 0	71272 3 20	
...	
...	...	...	...	...	50 0 0 0	16 10 0
...	...	...	...	...	22 2 0 0	12 19 0
...	...	1965 0 0 0	2764 12 0	...	4188 0 0 0	8136 2 0	
...	...	...	...	...	54 0 0 0	21 15 1
...	...	...	...	15 13 0	...	...
...	...	...	...	...	50 0 0 0	177 10 0
...	
...	...	...	...	...	17 0 0 0	13 5 18
6416 10 2 26	24528 10 23	43539 12 3 0	75751 8 10	46 3 0	117565 14 1 26	296717 19 5	

East Coolgardie

KALGOORLIE

Official Numbers of Leases.	Name of Lease.	Name of Company.	TOTALS PREVIOUS TO 1897.		
			Ounces from Unknown Tons.	Dolled and Specimens. ozs. dwts. grs.	Ore Treated. tons cwt. qrs. lbs.
38E, 71E, 72E ...	...	Associated Gold Mines, Limited	...	...	23 0 0 0
853E, 860E, 861E, 922E, 960E, 988E, 999E, 1007E, 1075E, 2121E	...	Brown Hill Proprietary ...	...	...	40 0 0 0
281E ...	...	Brookman Bros. Boulder Gold Mining Company, Limited	...	...	...
4E ...	Cassidy Hill ...	Central Boulder Gold Mining Company, Limited	500	...	71 0 0 0
24E, 949E ...	...	...	...	...	...
238E ...	...	Croesus North No. 1, Limited	...	...	...
351E ...	...	Golden Horseshoe Gold Mining Company, Limited	...	...	84 0 0 0
1694E ...	...	Golden Zone Gold Mining Company	...	...	277 0 0 0
66E ...	...	Great Boulder Perseverance Gold Mining Company, Limited	...	...	560 0 0 0
873E ...	...	Great Boulder Main Reefs, Limited	...	...	1664 0 0 0
16E, 51E, 61E, 102E, 280E	...	Great Boulder Proprietary Gold Mines, Limited	...	...	21020 0 0 0
2310E, 2312E, 2313E, 2316E	...	Golden Ridge Western Australian Proprietary Company, Limited	...	...	...
3643E ...	Hainault ...	...	...	...	12 4 0 0
698E ...	...	Hannan's Brown Hill Gold Mining Company	...	...	967 0 0 0
739E ...	...	Hannan's Croesus Gold Mining Company, Limited	...	...	191 0 0 0
9E, 37E, 42E ...	...	Hannan's Find Gold Reefs, Limited	...	...	...
983E, 1183E, 1393E, 1300E	...	Hannan's Golden Group Gold Mining Company	...	...	6 0 0 0
248E ...	...	Hannan's North Gold Mining Company	...	...	75 0 0 0
410E, 432E ...	...	Hannan's Oroya G.M. Co. of W.A., Ltd.	...	...	6 0 0 0
97E, 160E ...	...	Hannan's Reward G.M. Co., Ltd.	...	...	30 0 0 0
501E, 1591E, 2988E...	...	Hannan's Sir John Forrest G. Mines, Ltd.	...	...	28 0 0 0
6E ...	Hannan's Block 45 ...	...	...	...	...
1292E ...	Hannan's Britannia ...	...	...	...	...
69E, 192E, 46E ...	Hesperus ...	...	...	...	5 0 0 0
31E ...	...	Ivanhoe Gold Corporation, Ltd.	...	...	5124 0 0 0
3364E ...	Ivanhoe Venture ...	...	...	...	...
3047E ...	Kingston ...	...	...	...	10 0 0 0
73E, 74E ...	...	Kalgoorlie Mint and Iron King G. Mines, Ltd.	...	...	768 0 0 0
22E, 34E ...	...	Kalgurli G.M., Ltd. ...	...	...	...
33E ...	...	Kalgoorlie Bank of England G.M. Co., Ltd.	...	...	47 10 0 0
25E, 32E ...	...	Lake View Consols, Ltd. ...	...	...	11037 0 0 0
75E ...	...	Lake View South G.M. of W.A., Ltd.	...	...	...
2E, 279E ...	...	Maritana G.M. Co., Ltd. ...	...	...	157 0 0 0
211E, 212E, 213E, 1653E	...	Mt. Charlotte G.M. Co., Ltd.	...	...	193 0 0 0
35E ...	...	N. Boulder G.M. Co., Ltd. ...	...	...	670 0 0 0
3522E ...	Nordenfeldt No. 1 ...	...	...	...	...
1769E ...	Pride of Kalgoorlie ...	...	...	...	...
225E, 1114E ...	...	Reefer's Eureka G.M. Co. ...	...	...	5 4 0 0
448E, 578E ...	...	True Blue G.M. Co. ...	...	...	200 0 0 0
3349E, 3452E ...	...	Victoria United G.M. Co., No-Liability	...	...	...
			500		43270 18 0 0

Ore Milled, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

Gold Yield. ozs. dwts. grs.	TOTAL GOLD PRODUCTION.					Mint Value of Gold per Ounce.		
	Ounces from Unknown Tons.	Dollied and Specimens. ozs. dwts. grs.	Ore Treated. tons cwt. qrs. lbs.	Gold Yield. ozs. dwts. grs.	Average. ozs. dwts. grs.	£	s.	d.
65 0 0	12617 15 0 0	26238 7 0	2 1 14	4	4	11
150 0 0	40 0 0 0	150 0 0	3 15 0			
...	600 0 0 0	217 19 0	0 7 6	4	0	0
116 0 0	500	...	71 0 0 0	116 0 0	1 12 16			
...	490 0 0 0	456 7 0	0 18 15			
...	20 5 0 0	11 10 0	0 11 8			
51 0 0	1597 7 3 0	6889 7 12	4 0 0	4	2	0
304 0 0	448 0 0 0	430 18 19	0 19 5			
1709 18 0	13843 0 0 0	28078 3 9	2 0 13	4	2	6
3541 0 0	3561 2 0 0	9136 6 11	2 11 7	4	0	0
82614 0 0	50483 0 0 0	165906 0 22	3 5 17	4	2	0
...	127 10 0 0	244 6 18	1 18 7			
50 4 0	12 4 0 0	50 4 0	4 2 7			
3142 0 12	5040 0 0 26	30306 5 18	6 0 6	4	0	0
338 0 0	441 15 0 0	1531 5 0	3 9 7			
...	37 10 0 0	19 19 0	0 10 15			
18 0 0	6 0 0 0	18 0 0	3 0 0			
177 10 0	85 0 0 0	190 0 0	2 4 16	4	0	0
52 0 0	2465 17 0 0	1239 15 6	0 10 1	3	16	11
85 0 0	2321 0 0 0	1547 9 11	0 13 8	3	12	6
34 0 0	80 0 0 0	80 9 0	1 0 2	3	17	10½
...	27 11 0 0	119 6 0	4 6 14			
...	21 10 0 0	20 15 0	0 19 7			
0 5 0	5 0 0 0	0 5 0	0 0 14			
13692 0 0	20071 0 0 0	43027 5 10	2 2 21	4	1	0
...	...	30 10 0	...	...	...
10 0 0	12 0 0 0	12 8 0	1 0 16	3	10	0
2263 0 0	1785 0 0 0	4416 7 0	2 9 11	4	0	0
...	1054 9 2 0	4879 9 10	4 12 13	4	0	0
441 0 0	157 0 0 0	1087 1 0	6 18 11	4	2	6
31176 0 0	37708 10 0 0	102448 3 20	2 14 8	4	0	0
...			
128 0 0	207 0 0 0	144 10 0	0 13 23			
117 13 0	215 2 0 0	130 12 0	0 12 3			
2081 0 0	4858 0 0 0	10217 2 0	2 2 1	4	2	4
...	54 0 0 0	21 15 1	0 8 1			
...	...	15 13 0	...	...	...
16 3 0	55 4 0 0	193 13 0	3 10 3			
200 0 0	200 0 0 0	200 0 0	1 0 0			
...	17 0 0 0	13 5 18	0 15 15			
142572 13 12	500	46 3 0	160836 12 1 26	439290 12 17	2 14 15			

Coolgardie

COOLGARDIE

Official Numbers of Leases.	Name of Lease.	Name of Company.	FIRST HALF OF 1897.				
			Dollied and Specimens. oz. dwt. gr.	Concentrates.		Tailings.	
				tons.	ozs. dwts. grs.	tons.	ozs. dwts. grs.
3489	Australasian Junction	...	...	...	...	...
2613	Auckland	...	...	...	...	...
1988, 1989	Bass & Flinders	...	...	...	...	...
471	Bayley's South Extd.	...	...	...	...	...
133, 139, 142, 547	Bayley's Reward	Bayley's United G.Ms., Ltd.	...	...	...	...
22	Bayley's No. 2 South	Bayley's Consols G.M. Co., N.L.	...	...	...	...
207, 423	No. 2 Bayley's South	Bayley's No. 2S. G.M. Co., Ltd.	...	...	...	...
126, 131, 351, 724 ... ..	...	Bendigo and Coolgardie Proprietary G.M., Ltd.	...	...	...	...
35 ... ..	...	Big Blow, Limited	...	...	...	...
3246	Burbank's Grand Junc. W.	Devon Australasian Syndicate Ltd.	...	...	...	...
3542	Bobby Dazzler	...	...	...	...	...
193, 1624 ... ..	...	Briton' United G.M. Co., Ltd.	...	...	...	...
3200	Burbank's Star	...	...	...	...	...
3066	Brakespeare	...	...	...	...	...
1799 ... ..	...	Burbank Grand Junc., Ltd.	...	...	...	...
134, 135 ... ..	...	Burbank's Birthday Gift Gold Mines, Ltd.	...	...	...	...
3319 ... ..	...	Central Exploration and Investment Co., Ltd.	...	...	...	...
1959, 1630 ... ..	...	Cardiff Castle G.Ms., Ltd.	...	...	...	...
1852, 2168 ... ..	...	Charing Cross G.M. (W.A.), Ltd.	...	...	...	...
84 ... ..	...	New Clyde Gold Mines, Ltd.	...	...	...	...
3460	Cheapside	...	...	...	...	...
3547	Chesterton	...	...	...	...	...
122 ... ..	...	Cosgrove's Bayley's Reward G.M. Co.	...	...	...	...
1854	De Beers	...	...	...	...	...
1555	Dunallan, No. 1	...	...	...	...	...
1865 ... ..	...	Empress of Coolgardie Gold Mines, Ltd.	...	...	...	...
3251	Eldorado	...	...	...	...	...
1604, 1605, 2753	Ethel	Flagstaff G.M. Co.	...	...	...	...
3490	Eclipse	...	...	...	...	...
284, 745 ... ..	...	Forrest King of Coolgardie, Ltd.	...	...	...	...
1811	Golden King	...	...	...	...	...
400	Great Coolgardie	...	...	...	...	...
717, 1149 ... ..	...	Gleeson's Success G.Ms., Ltd.	...	...	...	...
1641, 1835 ... ..	...	Golden Dyke G.M. Co., Ltd.	...	...	...	...
1741	Golden Drop	New Victoria Consols G.M. Co., N.L.	...	...	...	...
595	Gem	...	...	...	...	...
3473	Gympie Jim	...	...	...	...	...
1777 ... ..	...	Golden Gate, W.A., Limited	...	...	...	...
1539	Golden Queen	...	...	...	...	...
20 ... ..	...	Golden Bar G.M. Co., N.L.	...	...	...	...
1204 ... ..	...	Herbert Gold Mines, Ltd.	...	...	...	...
3346	Herbert North	...	...	...	...	...
1491	Just in Time	...	...	...	...	...
3280	Keep it Dark	...	...	...	...	...
3530	King's Cross	...	...	...	...	...
3536	King's Lynn	...	...	...	...	...
376, 82 ... ..	...	King Solomon's G.M., Ltd.	...	...	...	...
1010, 1528, 2321 ... ..	...	Ladas & Foston United Gold Mines, Limited	...	...	...	...
532 ... ..	...	Lady Emily G.M. Co., Ltd.	...	...	...	...
2499	Lady Forrest Extended	...	...	...	...	...
336, 284, 1583, 745, 2094, 2105, 2073 ... ..	...	Lady Loch G.Ms., Ltd.	...	...	...	...
2281 ... ..	...	Lady Maud Gold Mines, Ltd.	...	...	...	...
2010	Lady Forrest South	...	...	...	...	...
1763	Lady Mary	...	...	...	...	...
2160	Lady Robinson	...	...	...	...	...
577	Lefroy Imperial	...	...	...	...	...
1840 ... ..	...	Lefroy Gold Mines, Ltd.	...	...	...	...
2596, 2392	Little Blow and Go en Ridge Extended	...	...	...	...	...
808, 2232 ... ..	...	Lindsay's Gold Mines, Ltd.	...	...	...	...
3297	Lindsay Gordon	...	...	...	...	...
756	La Mascotte	...	...	...	...	...
1721	Lombard	...	...	...	...	...
1076	Londonderry S'th Block	...	...	...	...	...
575 ... ..	...	Londonderry G.M., Ltd.	...	...	...	...
1902	Morning Star	...	...	...	...	...
23 ... ..	...	McCulloch's G.M. Co., Ltd.	...	...	...	...
1918 ... ..	...	McKenzie's Gold Mines, Ltd.	...	...	...	...
664, 1739, amalgamated ... ..	...	McPherson's Reward Gold Mining Co., N.L.	...	...	...	...
2413 ... ..	...	Mt. Burgess Gold Mining Co., N.L.	...	...	...	...
1019 ... ..	...	Mt. Rowe Consolidated	...	...	...	...
	Carried forward	...	...	...	...	...

Ores Milled, etc.—continued.

Goldfield.

DISTRICT.

THIRD QUARTER OF 1897.																
Ore Milled.		Dolled and Specimens. oz. dwt. gr.	Concentrates.		Tailings.		Ore Smelted.		Ore Milled.							
tons	cwt. qrs. lbs.		tons.	ozs.	tons.	ozs.	tons.	ozs.	tons	cwt. qrs. lbs.	ozs. dwts. grs.					
...	...	...	...	...	...	...	...	...	74	0	0	0	27	7	15	
...	
...	
0	4	0	0	707	16	11	+608	0	0	...	...	...	...	...	...
452	0	0	0	288	14	0	...	...	...	359	0	0	0	219	11	12
163	0	0	0	120	12	0	...	...	...	59	0	0	0	53	13	0
...	...	...	...	...	...	...	...	...	...	83	0	0	0	30	15	0
65	0	0	0	124	0	0	...	...	...	32	0	0	0	61	12	0
...
87	0	0	0	85	12	0	*54	6	12	...	...	...	...	...	...	...
100	0	0	0	258	0	0	...	...	...	16	0	0	0	34	8	0
1444	0	0	0	3348	3	12	...	...	...	1067	10	0	0	2322	0	18
40	0	0	0	32	5	0	...	...	...	35	0	0	0	33	15	0
...
3	10	0	0	9	10	0	...	...	...	25	0	0	0	27	14	4
...	...	...	...	...	...	...	...	...	...	40	0	0	0	93	0	0
17	15	0	0	5	8	0	...	...	...	...	...	...	...	...	...	...
125	0	0	0	39	5	0	...	...	...	297	0	0	0	58	12	0
200	0	0	0	170	0	0	...	...	...	76	0	0	0	18	9	3
...	...	...	...	...	...	...	...	...	...	900	0	0	0	674	0	0
...	...	...	...	...	...	...	...	...	...	90	0	0	0	34	0	0
71	0	0	0	110	12	0	...	...	...	...	...	...	...	...	...	...
25	0	0	0	13	14	0	...	...	...	72	0	0	0	66	11	0
303	0	0	0	287	0	0	...	...	...	199	0	0	0	206	0	0
...	...	...	...	...	...	...	...	...	...	35	10	0	0	43	4	22
326	0	0	0	131	2	0	...	...	...	...	...	...	...	...	...	...
399	0	0	0	390	7	0	...	...	...	613	0	0	0	350	13	0
...	...	...	...	...	...	...	...	...	...	9	0	0	0	16	1	12
18	0	0	0	65	0	6	...	...	...	...	...	...	...	...	...	...
200	0	0	0	237	11	12	...	...	...	10	0	0	0	6	0	0
...	...	...	...	...	...	...	...	...	...	10	0	0	0	14	17	0
3	0	0	0	3	0	0	...	...	...	293	0	0	0	777	3	16
195	0	0	0	585	0	0	...	...	...	...	...	...	...	...	...	...
50	0	0	0	15	6	0	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	50	0	0	0	15	10	0
782	0	0	0	507	1	17	...	...	...	...	...	...	...	...	...	...
61	0	0	0	58	18	3	...	...	...	9	0	0	0	9	0	0
50	0	0	0	21	11	0	...	...	...	661	0	0	0	439	12	12
262	0	0	0	471	12	0	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	227	0	0	0	208	9	0
1	16	0	0	99	7	4	...	...	...	65	0	0	0	104	0	0
236	0	0	0	98	14	0	...	...	...	...	...	...	...	...	...	...
5680	5	0	0	8285	2	17	662	6	12	6011	0	0	0	6714	3	18

* Specimens.

† Auriferous pyrites.

TABLE NO. II.—Return of

Coolgardie

COOLGARDIE

Official Numbers of Leases.	Name of Lease.	Name of Company.	FIRST HALF OF 1897.				
			Dollied and Specimens. oz. dwt. gr.	Concentrates.		Tailings.	
				tons.	ozs. dwts. grs.	tons.	ozs. dwts. grs.
	Brought forward	...	...	...	...	...
1610	...	North Burgess Gold Mining Co., Ltd.	...	...	...	...
1093, 2292	...	New Australasian G.M., Ltd.	...	...	...	...
2638	...	Prim Syndicate, Ltd.	...	...	...	...
1405, 595, 1741	New Victorian Consols	...	...	...	...	...
1867	No. 1 North Three Jolly Britons	...	...	...	...	...
2434	Old Chum Extended	...	...	...	...	...
3252	Perseverance Extended	...	...	...	...	...
3484	New Zealander	...	...	...	...	...
1903	Phoenix	...	...	...	...	...
1728	Red Jacket	...	...	...	...	...
1839	Royal Tar	...	...	...	...	...
2077	...	Ramage Syndicate	...	...	...	...
1383	...	Sam's Wealth of Nations G. and Ex., Ltd.	...	...	...	...
3415, 3416, 3510	...	Sherlaw Gold Mines, Ltd.	...	...	...	...
73	Star of the South	...	...	...	...	...
33	...	Tindall's Coolgardie Gold Mining Co., N.L.	...	...	...	...
1835	Tindall's Consols	...	...	...	...	...
1385	...	Union Jack G.M. Co., N.L.	...	...	...	...
130, 215, 436, 1145	...	United Gold Reefs, Ltd.	...	...	...	...
1552	...	Vale of Coolgardie, Gold Mines, Ltd.	...	...	...	...
144, 1151, 1639, 2146	...	Westralia East Extension Mines, Ltd.	...	...	...	...
3453	Enterprise	Water Trust, Mining, and Public Crushing Co. of W.A., Ltd.	...	...	...	...

COOLGARDIE

Official Numbers of Leases.	Name of Lease.	Name of Company.	FOURTH QUARTER OF 1897.				
			Dollied and Specimens. oz. dwt. gr.	Concentrates.		Tailings.	
				tons.	ozs. dwts. grs.	tons.	ozs. dwts. grs.
3489	Australasian Junction	...	...	...	...	...
2613	Auckland	...	...	...	...	...
1988, 1989	Bass & Flinders	...	...	...	...	...
471	Bayley's South Extd.	...	...	...	...	...
133, 139, 142, 547	Bayley's Reward	Bayley's United G.Ms., Ltd.	†340	...	...	...
22	Bayley's No. 2 South	Bayley's Consols G.M. Co., N.L.	...	...	...	...
207, 423	No 2 Bayley's South	Bayley's No. 2 S. G.M. Co., Ltd.	...	...	...	...
126, 131, 351, 724	...	Bendigo and Coolgardie Proprietary G.M., Ltd.	...	...	...	...
35	...	Big Blow, Limited	...	...	...	...
3246	Burbank's Grand Jun. W.	Devon Australasian Syndicate, Ltd.	...	...	...	...
3542	Bobby Dazzler	...	...	...	...	...
193, 1624	...	Briton's United G.M. Co., Ltd.	...	...	...	...
3200	Burbank's Star	...	...	...	...	...
3066	Brakespeare	...	...	...	...	...
1799	...	Burbank Grand Jun., Ltd.	...	...	...	...
134, 135	...	Burbank's Birthday Gift Gold Mines, Ltd.	...	...	...	...
3319	...	Central Exploration and Investment Co., Ltd.	...	...	...	...
1959, 1630	...	Cardiff Castle G.Ms., Ltd.	...	...	...	...
1852, 2168	...	Charing Cross G.M.W.A., Ltd.	...	...	...	...
84	...	New Clyde Gold Mines, Ltd.	...	...	...	...
3460	Cheapside	...	...	...	...	...
3547	Chesterton	...	...	...	...	...
122	...	Cosgrove's Bayley's Reward G.M. Co.	...	...	...	...
1854	De Beers	...	...	...	...	...
1555	Dunallan No. 1.	...	...	...	...	...
1865	...	Empress of Coolgardie Gold Mines, Ltd.	...	...	...	...
	Carried forward	...	340	...	...	...

† Specimens.

Ore Milled, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

THIRD QUARTER OF 1897.												
Ore Milled.		Dolled and Specimens. oz. dwt. gr.	Concentrates.		Tailings.		Ore Smelted.		Ore Milled.			
tons cwt. qrs. lbs.	ozs. dwts. grs.		tons.	ozs.	tons.	ozs.	tons.	ozs.	tons cwt. qrs. lbs.	ozs. dwts. grs.		
5680	5 0 0	8285 2 17	662	6 12	...	...	...	...	...	6011	0 0 0	6714 3 18
...	...	...	...	...	...	...	...	...	...	102	0 0 0	703 12 0
491	0 0 0	1727 4 1	...	...	...	...	...	...	...	812	0 0 0	2218 17 1
424	0 0 0	579 4 0	...	...	...	...	...	...	...	356	0 0 0	306 19 18
...
...
...	...	...	...	...	...	...	...	...	...	55	0 0 0	6 0 0
53	0 0 0	26 10 0	...	...	...	...	...	...	...	...	...	...
...
4	12 0 0	6 9 0	...	...	...	...	...	...	...	...	...	...
...
920	0 0 0	331 0 0	...	...	...	...	...	...	...	615	0 0 0	171 17 12
150	0 0 0	270 0 0	...	...	...	...	...	...	...	...	...	...
341	0 0 0	83 9 0	...	...	...	...	...	...	...	209	0 0 0	163 10 0
...
92	0 0 0	137 15 0	...	...	...	...	...	...	...	54	0 0 0	53 0 0
...	...	...	...	...	...	...	...	...	...	4	0 0 0	7 0 0
1668	0 0 0	1981 2 10	...	...	...	...	...	...	...	332	0 0 0	634 15 0
...
831	0 0 0	675 12 0	...	...	...	...	...	...	...	201	3 0 0	40 5 0
...	...	...	...	...	...	...	...	...	...	2055	16 0 0	3089 0 0
84	6 0 0	104 15 12	...	...	...	...	...	...	...	538	0 0 0	305 0 6
...
10739	3 0 0	14208 3 16	662	6 12	...	...	...	...	...	11344	19 0 0	14414 0 7

DISTRICT—continued.

FOURTH QUARTER OF 1897—continued.				TOTALS FOR 1897.		
Ore Smelted.		Ore Milled.		Dolled and Specimens. ozs. dwts. grs.	Ore Treated. tons cwt. qrs. lbs.	Gold Yield. oz. dwts. grs.
tons cwt. qrs. lbs.	ozs. dwts. grs.	tons cwt. qrs. lbs.	ozs. dwts. grs.			
...	74 0 0 0	27 7 15
...
...
...	...	47 0 0 0	8 11 0	...	47 0 0 0	8 11 0
...	...	1385 0 0 0	1784 14 12	948 0 0	1385 4 0 0	2492 10 23
...	...	493 0 0 0	236 6 12	...	852 0 0 0	455 18 0
...	...	62 0 0 0	23 12 0	...	514 0 0 0	312 16 0
...	...	41 0 0 0	122 2 0	...	263 0 0 0	296 7 0
...	...	182 0 0 0	94 0 0	...	265 0 0 0	124 15 0
...	97 0 0 0	185 12 0
...	54 6 12	...	...
...	87 0 0 0	85 12 0
...	16 0 0 0	34 8 0
...	100 0 0 0	258 0 0
...	...	1076 10 0 0	1936 3 12	...	3588 0 0 0	7606 7 18
...	75 0 0 0	66 0 0
...
...
...	...	31 0 1 0	32 6 0	...	59 10 1 0	69 10 4
...	...	20 0 0 0	14 0 0	...	20 0 0 0	14 0 0
...	...	72 0 0 0	49 5 0	...	112 0 0 0	142 5 0
...	...	3 0 0 0	4 10 0	...	3 0 0 0	4 10 0
...	17 15 0 0	5 8 0
...
...	...	50 0 0 0	4 2 0	...	472 0 0 0	101 19 0
...
...	...	3462 10 1 0	4309 12 12	1002 6 12	8047 9 1 0	12291 17 12

Coolgardie

COOLGARDIE

Official Numbers of Leases.	Name of Lease.	Name of Company.	FOURTH QUARTER OF 1897.					
			Dollied and Specimens. oz. dwt. gr.	Concentrates.		Tailings.		
				tons.	ozs. dwts. grs.	tons.	ozs. dwts. grs.	
	Brought forward	... ..	340 0 0	...	...	...	...
3251	Eldorado ... ..	... ..	...	...	...	...	...
1604, 1605, 2753	Ethel	Flagstaff G.M. Co. ... ..	...	...	...	...	...
3490	Eclipse ... ..	... ..	...	...	...	...	...
234, 745 ... ..	... ..	Forrest King of Coolgardie, Ltd.	...	...	...	...	...
1811	Golden King ... ..	... ..	...	...	...	...	...
400	Great Coolgardie ... ..	... ..	...	...	...	...	...
717, 1149 ... ..	... ..	Gleeson's Success G.Ms., Ltd.	...	...	...	...	...
1641, 1835 ... ..	... ..	Golden Dyke G.M. Co., Ltd.	...	...	...	...	...
1741	Golden Drop	New Victoria Consols G.M. Co., N.L.	...	...	...	...	...
595	Gem ... ..	... ..	...	...	...	...	...
3473	Gympie Jim ... ..	... ..	*15 0 0	...	...	...	...
1777 ... ..	... ..	Golden Gate, W.A., Ltd.	...	...	...	...	...
1539	Golden Queen ... ..	... ..	...	...	...	...	...
20 ... ..	... ..	Golden Bar G.M. Co., No.-Ly.	...	...	...	222	22 6 0
1204 ... ..	... ..	Herbert Gold Mines, Ltd.	...	...	...	...	...
3346	Herbert North ... ..	... ..	...	...	...	...	...
1491	Just in Time ... ..	... ..	...	...	...	...	...
3280	Keep it Dark ... ..	... ..	...	...	...	...	...
3530	King's Cross ... ..	... ..	†8 0 0	...	...	...	...
3536	King's Lynn ... ..	... ..	...	...	...	...	...
376, 82 ... ..	... ..	King Solomon's G.M., Ltd.	...	...	...	...	...
1010, 1528, 2321 ... ..	... ..	Ladas & Foston United Gold Mines, Limited	...	...	...	...	...
532 ... ..	... ..	Lady Emily G.M. Co., Ltd.	...	...	...	...	...
2499	Lady Forrest Extended ... ..	... ..	...	...	...	...	...
336, 2094, 2105, 2073, 284, 1583, 745 ... ..	... ..	Lady Loch G.Ms., Ltd.	...	...	...	...	...
2281 ... ..	... ..	Lady Maud Gold Mines, Ltd.	...	...	...	...	...
2010	Lady Forrest South ... ..	... ..	...	...	...	...	...
1763	Lady Mary ... ..	... ..	...	...	...	...	...
2160	Lady Robinson ... ..	... ..	...	...	...	...	...
577	Lefroy Imperial ... ..	... ..	...	...	...	...	...
1840 ... ..	... ..	Lefroy Gold Mines, Ltd.	...	...	...	...	...
2596, 2392	Little Blow and Golden Ridge Extended ... ..	... ..	...	...	...	...	...
808, 2232 ... ..	... ..	Lindsay's Gold Mines, Ltd.	...	...	...	...	...
3297	Lindsay Gordon ... ..	... ..	...	...	...	...	...
756	La Mascotte ... ..	... ..	...	...	...	...	...
1721	Lombard ... ..	... ..	...	...	...	...	...
1076	Londonderry S'th Block ... ..	... ..	...	...	...	...	...
575 ... ..	... ..	Londonderry G. Mines, Ltd.	...	...	...	...	...
1902	Morning Star ... ..	... ..	...	...	...	...	...
23 ... ..	... ..	McCulloch's G.M. Co., Ltd.	...	...	...	...	...
1918 ... ..	... ..	McKenzie's Gold Mines, Ltd.	...	...	...	...	...
664, 1739 amalgamated ... ..	... ..	McPherson's Reward Gold Mining Co., N.L.	...	...	...	...	...
2413 ... ..	... ..	Mt. Burgess Gold Mining Co., N.L.	...	...	...	...	...
1019 ... ..	... ..	Mt. Rowe Consolidated ... ..	...	...	...	...	...
1610 ... ..	... ..	North Burgess Gold Mining Co., Ltd.	...	...	...	...	...
1093, 2292 ... ..	... ..	New Australasian G.M., Ltd.	...	...	...	...	...
2638	New Victoria South	Prim Syndicate, Ltd.	...	...	...	...	...
1405, 595, 1741	New Victorian Consols ... ..	... ..	...	...	...	...	...
1867	No. 1 North Three Jolly Britons ... ..	... ..	...	...	...	...	...
2434	Old Chum Extended ... ..	... ..	...	...	...	...	...
3252	Perseverance Extended ... ..	... ..	...	...	...	...	...
3484	New Zealander ... ..	... ..	...	...	...	...	...
1903	Phoenix ... ..	... ..	...	...	...	...	...
1728	Red Jacket ... ..	... ..	...	...	...	...	...
1839	Royal Tar ... ..	... ..	...	...	...	...	...
2077 ... ..	... ..	Ramage Syndicate ... ..	...	...	...	...	...
1383 ... ..	... ..	Sam's Wealth of Nations G. and Ex., Ltd.	...	...	...	...	...
3415, 3416, 3510 ... ..	... ..	Sherlaw Gold Mines, Ltd.	...	...	...	...	...
73	Star of the South ... ..	... ..	...	...	...	...	...
33 ... ..	... ..	Tindall's Coolgardie Gold Mining Co., N.L.	...	...	...	...	...
1835	Tindall's Consols ... ..	... ..	...	...	...	...	...
1385 ... ..	... ..	Union Jack G.M. Co., N.L. ... ..	...	...	...	...	...
130, 215, 436, 1145 ... ..	... ..	United Gold Reefs, Ltd.	...	...	...	...	...
1552 ... ..	... ..	Vale of Coolgardie Gold Mines, Ltd.	...	...	...	...	...
144, 1151, 1639, 2146 ... ..	... ..	Westralia East Extension Mines, Ltd.	...	...	...	...	...
3453	Enterprise	Water Trust, Mining and Public Crushing Co. of W.A., Ltd.	...	...	...	...	...
			363 0 0	...	...	222	22 6 0

* Dollied.

† Specimens.

Ore Milled, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

FOURTH QUARTER OF 1897—continued.				TOTALS FOR 1897.									
Ore Smelted.		Ore Milled.		Dolled and Specimens.	Ore Treated.		Gold Yield.						
tons	cwt. qrs. lbs.	tons	cwt. qrs. lbs.		ozs. dwts. grs.	tons	cwt. qrs. lbs.	oz. dwts. grs.					
...	...	3462	10 1 0	4309	12 12	1002	6 12	8047	9 1 0	12291	17 12		
...	76	0 0 0	18	9 3		
...	...	965	0 0 0	682	0 0	...	...	2065	0 0 0	1526	0 0
...	90	0 0 0	34	0 0		
...		
...	143	0 0 0	177	3 0		
...	...	18	0 0 0	2	5 0	...	...	18	0 0 0	2	5 0
...	...	59	10 0 0	49	10 0	...	...	283	10 0 0	269	4 0
...	...	57	10 0 0	49	10 0	...	...	360	10 0 0	336	10 0
...	...	52	2 0 0	41	11 0	15	0 0	87	12 0 0	84	15 22		
5	5 0 0	16	10 0	...	...	...	...	5	5 0 0	16	10 0
...	...	1006	0 0 0	628	4 0	...	...	1945	0 0 0	1132	5 0
...	399	0 0 0	390	7 0		
...	9	0 0 0	16	1 12		
...	...	53	0 0 0	37	5 0	...	...	53	0 0 0	37	5 0
...	...	42	0 0 0	44	16 0	8	0 0	18	0 0 0	65	0 6		
...	52	0 0 0	50	16 0		
...	...	100	0 0 0	115	5 0	...	...	10	0 0 0	14	17 0
...	593	0 0 0	1130	0 4		
...		
...	3	0 0 0	3	0 0		
...		
...	195	0 0 0	585	0 0		
...	50	0 0 0	15	6 0		
...	...	44	0 0 0	39	13 0	...	...	94	0 0 0	55	3 0
...		
...	9	0 0 0	9	0 0		
...	...	1399	0 0 0	721	12 12	...	...	2842	0 0 0	1668	6 17
...	61	0 0 0	58	18 3		
...	50	0 0 0	21	11 0		
...		
...	...	535	0 0 0	996	4 0	...	...	762	0 0 0	1204	13 0
...	327	0 0 0	575	12 0		
...		
...	...	313	0 0 0	296	3 0	...	...	696	16 0 0	864	18 4
...	...	180	10 0 0	243	3 0	...	...	638	10 0 0	640	12 0
...		
...	102	0 0 0	703	12 0		
...	...	968	0 0 0	2526	13 0	...	...	2271	0 0 0	6472	14 2
...	...	442	0 0 0	232	3 0	...	...	1222	0 0 0	1118	6 18
...		
...	...	20	0 0 0	9	7 0	...	...	20	0 0 0	9	7 0
...		
...	55	0 0 0	6	0 0		
...	...	10	0 0 0	2	13 0	...	...	10	0 0 0	2	13 0
...	53	0 0 0	26	10 0		
...		
...	...	50	0 0 0	2	11 15	...	...	50	0 0 0	2	11 15
...	4	12 0 0	6	9 0		
...	...	47	0 0 0	10	0 0	...	...	47	0 0 0	10	0 0
...	...	360	0 0 0	215	13 0	...	...	1895	0 0 0	718	10 12
...	150	0 0 0	270	0 0		
...	550	0 0 0	246	19 0		
...	...	19	16 0 0	11	8 0	...	...	19	16 0 0	11	8 0
...	...	154	0 0 0	150	0 0	...	...	300	0 0 0	340	15 0
...	4	0 0 0	7	0 0		
...	...	476	0 0 0	763	6 12	...	...	2476	0 0 0	3379	3 22
...	...	520	13 0 0	104	3 0	...	...	...	...	...	...
...	...	3676	0 0 0	4139	10 12	...	...	7555	2 0 0	8183	15 12
...	...	270	10 0 0	135	5 0	...	...	...	...	...	...
...	...	498	0 0 0	281	6 0	...	...	1120	6 0 0	691	1 18
5	5 0 0	16	10 0	15799	1 1 0	16841	3 15	1025	6 12	37888	8 1 0	45502	3 14

TABLE No. II.—Return of

Coolgardie

COOLGARDIE

Official Numbers of Leases.	Name of Lease.	Name of Company.	TOTALS PREVIOUS TO 1897.		
			Ounces from Unknown Tons.	Dolled and Specimens. ozs. dwts. grs.	Ore Treated. tons cwt. qrs. lbs.
3489	Australasian Junction	...	...	...	...
2613	Auckland	...	...	...	50 0 0 0
1988, 1989	Bass & Flinders	...	...	...	10 0 0 0
471	Bayley's South Extd.	...	...	...	...
133, 139, 142, 547	Bayley's Reward	Bayley's United G.Ms., Ltd.	...	...	13312 0 0 0
22	Bayley's No. 2 South	Bayley's Consols G.M. Co., N.L.	...	...	...
207, 423	Bayley's No. 2 South	Bayley's No. 2 S. G.M. Co., Ltd.	...	...	100 0 0 0
126, 131, 351, 724	...	Bendigo and Coolgardie Proprietary G.M., Ltd.	...	...	...
35 ... ..	...	Big Blow, Limited	...	...	154 0 0 0
3246	Burbank's Grand Junc. W.	Devon Australasian Syndicate, Ltd.	...	...	...
3542	Bobby Dazzler	...	...	...	...
193, 1624 ... ..	...	Briton's United G.M. Co., Ltd.	...	...	36 0 0 0
3200	Burbank's Star	...	...	...	...
3066	Brakespeare	...	...	...	...
1799 ... ..	...	Burbank's Grand Junc., Ltd.	...	...	362 0 0 0
134, 135 ... ..	...	Burbank's Birthday Gift Gold Mines, Ltd.	...	...	1822 0 0 0
3319 ... ..	...	Central Exploration and Investment Co., Ltd.	...	...	...
1959, 1630 ... ..	...	Cardiff Castle G.Ms., Ltd.	...	...	1350 0 0 0
1852, 2168 ... ..	...	Charing Cross G.M. (W.A.), Ltd.	...	...	10 0 0 0
84 ... ..	...	New Clyde Gold Mines, Ltd.	...	...	102 0 0 0
3460	Cheapside	...	...	...	...
3547	Chesterton	...	...	...	...
122 ... ..	...	Cosgrove's Bayley's Reward G.M. Co.	...	...	150 0 0 0
1854	De Beers	...	...	...	...
1555	Dunallan No. 1	...	...	...	...
1865 ... ..	...	Empress of Coolgardie Gold Mines, Ltd.	...	...	...
3251	Eldorado	...	...	...	...
1604, 1605, 2753	Ethel	Flagstaff G.M. Co.	...	...	90 0 0 0
3490	Eclipse	...	...	...	...
284, 745 ... ..	...	Forrest King of Coolgardie, Ltd.	...	...	697 0 0 0
1811	Golden King	...	...	...	47 0 0 0
400	Great Coolgardie	...	...	...	10 0 0 0
717, 1149 ... ..	...	Gleeson's Success G.Ms., Ltd.	...	...	...
1641, 1835 ... ..	...	Golden Dyke G.M. Co., Ltd.	...	...	...
1741	Golden Drop	New Victoria Consols G.M. Co., N.L.	...	...	...
595	Gem	...	...	...	...
3473	Gympie Jim	...	...	...	...
1777 ... ..	...	Golden Gate, W.A., Ltd.	...	...	50 0 0 0
1539	Golden Queen	...	...	...	...
20 ... ..	...	Golden Bar G.M. Co. (N.L.)	...	...	110 0 0 0
1204 ... ..	...	Herbert Gold Mines, Ltd.	...	...	...
3346	Herbert North	...	...	...	...
1491	Just in Time	...	...	...	...
3280	Keep it Dark	...	...	...	...
3530	King's Cross	...	...	...	...
3536	King's Lynn	...	...	...	...
376, 82 ... ..	...	King Solomon's G.M., Ltd.	...	...	...
1010, 1528, 2321	...	Ladas & Foston United Gold Mines, Limited	...	...	6 0 0 0
532 ... ..	...	Lady Emily G.M. Co., Ltd.	...	...	20 0 0 0
2499	Lady Forrest Extended	...	...	...	...
336, 284, 1583, 745, 2094, 2105, 2073	...	Lady Loch G.Ms., Ltd.	...	...	1697 0 0 0
2281 ... ..	...	Lady Maud Gold Mines, Ltd.	...	...	14 0 0 0
2010	Lady Forrest South	...	...	...	...
1763	Lady Mary	...	...	...	...
2160	Lady Robinson	...	...	...	...
577	Lefroy Imperial	...	...	...	13 0 0 0
1840 ... ..	...	Lefroy Gold Mines, Ltd.	...	...	100 0 0 0
2596, 2392	Little Blow and Golden Ridge Extended	...	...	...	...
808, 2232 ... ..	...	Lindsay's Gold Mines, Ltd.	...	...	...
3297	Lindsay Gordon	...	...	...	...
756	La Mascotte	...	...	...	...
1721	Lombard	...	...	...	25 0 0 0
1076	Londonderry S'th Block	...	...	...	20 0 0 0
575 ... ..	...	Londonderry G. Mines, Ltd.	...	...	712 0 0 0
1902	Morning Star	...	...	...	...
23 ... ..	...	McCulloch's G.M. Co., Ltd.	...	...	70 0 0 0
1918 ... ..	...	McKenzie's Gold Mines, Ltd.	...	...	329 0 0 0
664, 1739, amalgamated	...	McPherson's Reward Gold Mining Co., N.L.	...	...	...
2413 ... ..	...	Mt. Burgess Gold Mining Co., N.L.	...	...	5293 0 0 0
1019 ... ..	...	Mt. Rowe Consolidated	...	...	16 0 0 0
	Carried forward				26777 0 0 0

Ore Milled, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

Gold Yield. ozs. dwts. grs.	TOTAL GOLD PRODUCTION.						Mint Value of Gold per Ounce. £ s. d.		
	Ounces from Unknown Tons.	Dollied and Specimens. ozs. dwts. grs.	Ore Treated. tons cwt. qrs. lbs.	Gold Yield. ozs. dwts. grs.	Average. ozs. dwts. grs.				
...	74 0 0 0	27 7 15	0 7 9				
24 13 0	50 0 0 0	24 13 0	0 9 20				
5 10 0	10 0 0 0	5 10 0	0 11 0				
...	47 0 0 0	8 11 0	0 3 15				
35287 0 0	...	948 0 0	14697 4 0 0	37779 10 23	2 11 9	3 17 10			
...	852 0 0 0	455 18 0	0 10 16	3 17 10½			
29 0 0	614 0 0 0	341 16 0	0 11 3	3 2 1			
...	263 0 0 0	296 7 0	1 2 12	3 17 6			
71 0 0	419 0 0 0	195 15 0	0 9 8	2 13 0			
...	97 0 0 0	185 12 0	1 18 7				
...	...	54 6 12	...	...	...	
27 0 0	36 0 0 0	27 0 0	0 15 0				
...	87 0 0 0	85 12 0	0 19 16				
...	16 0 0 0	34 8 0	2 3 0				
1385 0 0	462 0 0 0	1643 0 0	3 11 3				
7136 10 0	5410 0 0 0	14742 17 18	2 14 12	3 15 0			
...	75 0 0 0	66 0 0	0 17 14				
254 12 22	1350 0 0 0	254 12 22	0 3 18				
15 10 0	10 0 0 0	15 10 0	1 11 0				
91 0 0	102 0 0 0	91 0 0	0 17 20				
...	59 10 1 0	69 10 4	1 3 4				
...	20 0 0 0	14 0 0	0 14 0	3 12 6			
37 0 0	262 0 0 0	179 5 0	0 13 16	3 17 10½			
...	3 0 0 0	4 10 0	1 3 8				
...	17 15 0 0	5 8 0	0 6 2				
...	472 0 0 0	101 19 0	0 4 7	3 15 0			
...	76 0 0 0	18 9 3	0 4 20				
46 0 0	2155 0 0 0	1572 0 0	0 14 14	3 12 6			
...	90 0 0 0	34 0 0	0 7 13				
472 0 0	697 0 0 0	472 0 0	0 13 13				
52 0 0	47 0 0 0	52 0 0	1 2 3				
12 0 0	10 0 0 0	12 0 0	1 4 0				
...	143 0 0 0	177 3 0	1 4 18				
...	18 0 0 0	2 5 0	0 2 12				
...	283 10 0 0	269 4 0	0 18 22	3 16 0			
...	360 10 0 0	336 10 0	0 18 15	3 16 0			
...	...	15 0 0	87 12 0 0	84 15 22	0 19 8	3 12 6			
130 0 0	50 0 0 0	130 0 0	2 12 0				
...	5 5 0 0	16 10 0	3 2 20	4 0 0			
79 12 0	2055 0 0 0	1211 17 0	0 11 19	3 10 0			
...	399 0 0 0	390 7 0	0 19 13				
...	9 0 0 0	16 1 12	1 15 17				
...	53 0 0 0	37 5 0	0 14 1				
...	18 0 0 0	65 0 6	3 12 5				
...	...	8 0 0	52 0 0 0	50 16 0	0 19 12	3 18 10			
...	10 0 0 0	14 17 0	1 9 16				
...	593 0 0 0	1130 0 4	1 18 2	3 14 0			
2 8 0	6 0 0 0	2 8 0	0 8 0				
15 0 0	20 0 0 0	15 0 0	0 15 0				
...	3 0 0 0	3 0 0	1 0 0				
5260 0 0	1697 0 0 0	5260 0 0	3 1 23				
11 15 0	14 0 0 0	11 15 0	0 16 18				
...	195 0 0 0	585 0 0	3 0 0				
...	50 0 0 0	15 6 0	0 6 2				
...	94 0 0 0	55 3 0	0 11 17	3 15 0			
29 17 0	13 0 0 0	29 17 0	2 5 22				
10 0 0	100 0 0 0	10 0 0	0 2 0				
...	9 0 0 0	9 0 0	1 0 0				
...	2842 0 0 0	1668 6 17	0 11 17	4 0 0			
...	61 0 0 0	58 18 3	0 19 7				
...	50 0 0 0	21 11 0	0 8 14				
28 17 0	25 0 0 0	28 17 0	1 3 1				
40 0 0	20 0 0 0	40 0 0	2 0 0				
2379 0 0	1474 0 0 0	3583 13 0	2 8 14	3 10 0			
...	327 0 0 0	575 12 0	1 15 4				
10 0 0	70 0 0 0	10 0 0	0 2 20				
468 4 0	329 0 0 0	468 4 0	1 8 10				
...	696 16 0 0	864 18 4	1 4 19	3 16 5			
5143 11 13	5931 10 0 0	5784 3 13	0 19 12	4 0 0			
13 0 0	16 0 0 0	13 0 0	0 16 6				
58567 0 11	...	1025 6 12	46760 12 1 0	81862 6 22					

TABLE NO. II.—Return of

Coolgardie

COOLGARDIE

Official Numbers of Leases.	Name of Lease.	Name of Company.	TOTALS PREVIOUS TO 1897.		
			Ounces from Unknown Tons.	Dolled and Specimens. ozs. dwts. grs.	Ore Treated. tons cwt. qrs. lbs.
	Brought Forward ...	... ..	...	...	26777 0 0 0
1610 ... ..	...	North Burgess Gold Mining Co., Ltd.	...	...	101 0 0 0
1093, 2292 ... ..	...	New Australasian G.M., Ltd.	...	...	20 0 0 0
2638	New Victoria South ...	Prim Syndicate, Ltd.	...	...	90 0 0 0
1405, 595, 1741 ...	New Victorian Consols ...	...	...	...	105 0 0 0
1867	No. 1 North, Three Jolly Britons ...	...	...	...	...
3252	Old Chum Extended ...	...	...	...	6 0 0 0
2434	Perseverance Extended ...	...	...	...	...
3484	New Zealander ...	...	...	...	...
1903	Phoenix ...	...	...	...	...
1728	Red Jacket ...	...	...	...	2 0 0 0
1839	Royal Tar ...	...	...	...	...
2077 ... ..	...	Ramage Syndicate ...	...	...	...
1883 ... ..	...	Sam's Wealth of Nations G. and Ex., Ltd.	...	...	...
3415, 3416, 3510 ...	...	Sherlaw Gold Mines, Ltd. ...	...	...	216 0 0 0
73	Star of the South ...	...	...	...	...
33 ... ..	...	Tindall's Coolgardie Gold Mining Co., N.L.	...	...	...
1835	Tindall's Consols ...	...	...	...	...
1385 ... ..	...	Union Jack G.M. Co., N.L....	...	...	...
130, 215, 436, 1145 ...	...	United Gold Reefs, Ltd. ...	...	...	29 0 0 0
1552 ... ..	...	Vale of Coolgardie Gold Mines, Ltd.	...	...	166 0 0 0
144, 1151, 1639, 2146	...	Westralia East Extension Mines, Ltd.	...	...	232 0 0 0
3453	Enterprise ...	Water Trust, Mining, and Public Crushing Co. of W.A., Ltd.	...	...	...
					27744 0 0 0

Ore Milled, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

Gold Yield. ozs. dwts. grs.	TOTAL GOLD PRODUCTION.					Mint Value of Gold per Ounce.		
	Ounces from Unknown Tons.	Dolled and Specimens. ozs. dwts. grs.	Ore Treated. tons cwt. qrs. lbs.	Gold Yield. ozs. dwts. grs.	Average. ozs. dwts. grs.	£	s.	d.
58567 0 11	...	1025 6 12	46760 12 1 0	81862 6 22				
75 0 0	203 0 0 0	778 12 0	3 16 17			
82 0 0	2291 0 0 0	6554 14 2	2 17 5	3	17	6
150 4 0	1312 0 0 0	1268 10 18	0 19 8	3	16	6
59 0 0	105 0 0 0	59 0 0	0 11 6	3	15	0
...	20 0 0 0	9 7 0	0 9 8			
8 0 0	6 0 0 0	8 0 0	1 6 16			
...	55 0 0 0	6 0 0	0 2 4			
...	10 0 0 0	2 13 0	0 5 7			
...	53 0 0 0	26 10 0	0 8 2			
3 0 0	2 0 0 0	3 0 0	1 10 0			
...	50 0 0 0	2 11 15	...	3	12	6
...	4 12 0 0	6 9 0	1 8 1			
...	47 0 0 0	10 0 0	0 4 16	3	17	6
444 0 0	2111 0 0 0	1162 10 12	0 11 0	3	8	3
...	150 0 0 0	270 0 0	1 1 14			
...	550 0 0 0	246 19 0	0 8 23			
...	19 16 0 0	11 8 0	0 11 12	3	14	6
...	300 0 0 0	340 15 0	1 2 17	3	12	6
10 0 0	33 0 0 0	17 0 0	0 10 7			
127 0 0	2642 0 0 0	3506 3 22	1 6 13	3	17	6
106 0 0	7787 2 0 0	8289 15 12	1 1 6	3	14	2
...	1120 6 0 0	691 1 18	0 12 8	3	16	4
59631 4 11	...	1025 6 12	65632 8 1 0	105133 8 1	1 12 0			

Ore Milled, etc.—continued.

Goldfield—continued.

DISTRICT.

THIRD QUARTER OF 1897.													
Ore Milled.		Dolled and Specimens. oz. dwt. gr.	Concentrates.		Tailings.		Ore Smelted.		Ore Milled.				
tons	cwt. qrs. lbs.		tons.	ozs.	tons.	ozs.	tons.	ozs.	tons	cwt. qrs. lbs.	ozs.	dwt. grs.	
14	0 0 0	55 0 0	†72	0 0	...	...	...	...	...	...	...	...	...
...
11	12 0 0	33 11 13	...	...	...	...	...	...	...	165	0 0 0	177	7 0
48	0 0 0	51 4 0	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	6	0 0 0	24	12 0
0	2 0 0	16 6 0	...	...	...	...	...	...	...	...	...	...	...
10	0 0 0	186 10 0	...	...	...	...	...	...	...	...	...	...	...
20	0 0 0	11 7 0	...	...	...	...	...	...	...	...	...	...	...
774	0 0 0	409 5 0	...	...	...	...	...	...	...	1603	0 0 0	480	15 0
2005	0 0 0	5774 0 0	...	...	862	162	...	...	...	1530	0 0 0	900	0 0
0	1 0 0	170 0 0	...	...	...	...	...	...	...	...	...	...	...
182	0 0 0	540 0 0	...	...	...	...	...	...	...	180	0 0 0	383	0 0
55	0 0 0	68 16 0	...	...	...	...	...	...	...	195	0 0 0	284	15 0
9	10 0 0	43 0 0	...	...	...	...	...	...	...	10	0 0 0	17	18 15
25	0 0 0	5 0 0	...	...	...	...	...	...	...	...	...	...	...
2197	10 0 0	2713 11 0	...	...	...	...	...	...	...	1171	0 0 0	1319	0 0
15	0 0 0	54 0 0	...	...	...	...	...	...	...	50	0 0 0	115	2 0
44	0 0 0	177 13 5	...	...	...	...	...	...	...	35	0 0 0	35	16 0
10	0 0 0	39 4 19	...	...	...	...	...	...	...	...	...	...	...
23	0 0 0	11 0 0	...	...	...	...	...	...	...	...	...	...	...
18	10 0 0	28 15 0	...	...	...	...	...	...	...	56	0 0 0	16	0 0
...
...	...	...	†17	6 12	...	...	...	...	...	...	...	...	...
25	0 0 0	5 0 0	...	...	...	...	...	...	...	1000	0 0 0	527	0 0
26	0 0 0	38 14 0	...	...	...	...	...	...	...	...	...	...	...
5513	5 0 0	10431 17 13	89	6 12	...	...	862	162	...	6001	0 0 0	4281	5 15

† Specimens.

TABLE NO. II.—Return of

Coolgardie

KUNANALLING

Official Numbers of Leases.	Name of Lease.	Name of Company.	FOURTH QUARTER OF 1897.					
			Dollied and Specimens. oz. dwt. gr.	Concentrates.		Tailings.		
				tons.	ozs. dwts. grs.	tons.	ozs. dwts. grs.	
319s (3173) ...	"A Golden" ...	...	...	...	...	...	...	...
119s (2045), 181s (2565)	...	Bunyip Gold Mines, Ltd.	...	...	...	...	...	...
71s (1684) ...	...	Blackett's Gold Mines, Ltd.	...	...	...	...	...	...
35s (1341) ...	Brevier ...	...	...	...	...	...	...	...
295s (3081) ...	Bellavon ...	...	...	...	...	...	...	...
152s (2307) ...	Camperdown ...	...	...	...	...	...	...	...
86s (1833) ...	Caroline ...	...	*15 4 0	...	...	...	...	...
64s (1664) ...	...	City of London Gold Mines, Ltd.	...	...	...	...	...	...
115s (2031) ...	Dark Horse ...	...	...	...	...	...	...	...
428s (2040) ...	Day Break ...	...	...	...	...	...	...	...
225s (2752), 241s (2815)	Denver City ...	...	...	...	...	...	...	...
34s (1330) ...	Fair Adelaide ...	...	...	...	...	...	...	...
14s (720), 53s (1580)	...	Fremantle Consols G.M. Co.	...	...	...	...	...	...
261s (2924) ...	General Lee ...	...	...	...	...	...	...	...
12s (681) ...	Gladstone Extended ...	...	...	...	...	...	...	...
49s (1538) ...	Golden Crest ...	...	...	...	...	...	...	...
98s (1924) ...	Golden Plum ...	...	...	...	...	...	...	...
93s (1884) ...	...	Great Dyke and Orizaba Cement Claims, Ltd.	...	...	...	...	...	...
89s (1859) ...	Hands Across Sea United ...	...	...	...	...	...	...	...
61s (1655), 62s (1656)	...	Hands Across the Sea G.M. Co.	...	...	...	...	...	...
100s (1931) ...	Hilton Lease ...	W.A. Proprietary Cement Leases, Ltd.	...	...	...	...	...	...
355s (3385) ...	Holland's Reward ...	...	†55 0 0	...	...	...	...	...
405s (3535) ...	Kieora ...	...	...	...	...	...	...	...
420s ...	Lady Alice ...	...	...	...	...	...	...	...
3s (419) ...	Lady Eveline ...	...	...	...	...	...	...	...
47s (1483) ...	...	Limerick Gold Mines	...	...	...	...	...	...
6s (441) ...	...	Lone Hand Gold Mines, Ltd.	...	...	...	...	...	...
106s (1955) ...	Mexico ...	...	...	...	...	...	...	...
248s (2870) ...	Multum in Parvo ...	...	...	...	...	...	...	...
73s (1709) ...	...	Nordenfeldt G.M. Co., N.L.	...	...	...	...	...	...
334s (3288) ...	Nordenfeldt South ...	...	...	...	...	...	...	...
77s (1773) ...	Ormuz ...	...	...	...	...	...	...	...
317s (3165) ...	Ora Banda ...	...	...	...	...	...	...	...
377s (3433) ...	Pagoda ...	...	...	...	...	...	...	...
243s (2838) ...	Pearce's Find ...	...	...	...	...	...	...	...
369s (3403) ...	Pride of the Jaurdies ...	...	...	...	...	...	...	...
79s (1802) ...	...	Premier G.M. Co., Ltd.	...	...	...	...	...	...
74s (1740) ...	Premier South ...	...	...	...	...	...	...	...
299s (3098) ...	Pole ...	...	...	...	...	...	...	...
45s (1481) ...	Royal Sovereign ...	...	...	...	...	...	...	...
132s (2157) ...	Great Scott ...	...	...	...	...	...	...	...
359s (3390) ...	Kintore North ...	Sugarloaf 25-Mile Leases, Ltd.	...	...	...	37·0	24 12 0	
409s (1830) ...	Sugar Loaf ...		...	...	...	71·5	47 12 0	
376s (3432) ...	Stanley ...		...	...	...	11·5	7 13 12	
7s (458) ...	Trident ...		...	...	...	...	...
16s (936) ...	Vincent ...	...	...	...	...	...	...
225s (2725) ...	Victor ...	...	...	...	...	...	...
308s (3145) ...	...	Westralia Premier Gold Mines, Ltd.	...	...	...	...	...
105s (1945) ...	Ophelia ...	W.A. Proprietary Cement Leases, Ltd.	...	...	...	120	55 0 0	
124s (2064) ...	Waverley ...	...	...	...	...	...	...
378s (3434) ...	Zealandia ...	...	...	...	...	...	...
382s (3447) ...	Zuleika North ...	...	...	...	...	...	...
			70 4 0	...	...	240	134 17 12	

* Dollied.

† Specimens.

Ore Milled, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

FOURTH QUARTER OF 1897—continued.				TOTALS FOR 1897.		
Ore Smelted.		Ore Milled.		Dolled and Specimens. ozs. dwts. grs.	Ore Treated. tons cwt. qrs. lbs.	Gold Yield. oz. dwts. grs.
tons cwt. qrs. lbs.	ozs. dwts. grs.	tons cwt. qrs. lbs.	ozs. dwts. grs.			
...	72 0 0	14 0 0 0	55 0 0
...
...	...	158 0 0 0	107 7 0	...	334 12 0 0	318 5 13
...	...	70 0 0 0	33 0 0	...	70 0 0 0	33 0 0
...	48 0 0 0	51 4 0
...
...	15 4 0	6 0 0 0	24 12 0
...	...	406 0 0 0	486 17 0	...	406 0 0 0	486 17 0
...	0 2 0 0	16 6 0
...	...	28 0 0 0	42 10 0	...	28 0 0 0	42 10 0
...
...
...	...	30 0 0 0	57 0 0	...	40 0 0 0	243 10 0
...	20 0 0 0	11 7 0
...	...	80 0 0 0	23 0 0	...	80 0 0 0	23 0 0
...
...
...	...	1155 0 0 0	220 6 0	...	3532 0 0 0	1110 6 0
...	...	30 0 0 0	33 0 0	...	30 0 0 0	33 0 0
...	...	290 0 0 0	203 18 0	...	290 0 0 0	203 18 0
...	3535 0 0 0	6836 0 0
...	55 0 0	0 1 0 0	170 0 0
...	...	20 0 0 0	134 7 0	...	20 0 0 0	134 7 0
...	...	28 0 0 0	23 10 0	...	28 0 0 0	23 10 0
...
...
...	...	80 0 0 0	94 2 12	...	80 0 0 0	94 2 12
...	...	369 0 0 0	619 0 0	...	731 0 0 0	1542 0 0
...	55 0 0 0	68 16 0
...	...	27 0 0 0	47 0 0	...	231 10 0 0	374 15 0
...	...	50 0 0 0	92 3 0	...	50 0 0 0	92 3 0
...
...	...	74 0 0 0	98 8 12	...	84 0 0 0	116 7 3
...	...	36 0 0 0	49 8 16	...	36 0 0 0	49 8 16
...	25 0 0 0	5 0 0
...
...	...	44 0 0 0	100 0 0	...	44 0 0 0	100 0 0
...	...	989 10 0 0	868 2 6	...	4358 0 0 0	4900 13 6
...	50 0 0 0	115 2 0
...	50 0 0 0	89 16 0
...
...	...	23 0 0 0	112 9 4	...	67 0 0 0	314 14 9
...	...	57 10 0 0	281 2 18	...	67 10 0 0	367 19 13
...	...	11 10 0 0	56 4 14	...	11 10 0 0	63 18 2
...	23 0 0 0	11 0 0
...
...	...	24 0 0 0	9 7 0	...	74 10 0 0	44 15 0
...	24 0 0 0	9 7 0
...	17 6 12	...	...
...	...	740 0 0	219 18 0	...	1740 0 0 0	801 18 0
...	...	20 0 0 0	30 7 0	...	20 0 0 0	30 7 0
...	25 0 0 0	5 0 0
...	26 0 0 0	38 14 0
...	...	4840 10 0 0	4042 8 10	159 10 12	16354 15 0 0	19052 9 2

TABLE No. II.—Return of

Coolgardie

KUNANALLING

Official Numbers of Leases.	Name of Lease.	Name of Company.	TOTALS PREVIOUS TO 1897.		
			Ounces from Unknown Tons.	Dollied and Specimens. ozs. dwts. grs.	Ore Treated. tons cwt. qrs. lbs.
319s (3173) ...	"A Golden" ...	...	...	...	0 2 0 0
119s (2045), 181s (2565)	...	Bunyip Gold Mines, Ltd.	...	...	100 0 0 0
71s (1684) ...	...	Blackett's Gold Mines, Ltd.	...	...	...
35s (1341) ...	Brevier ...	...	...	...	...
295s (3081) ...	Bellavon ...	...	...	...	...
152s (2307) ...	Camperdown ...	...	...	...	0 1 0 0
86s (1833) ...	Caroline ...	...	...	...	...
64s (1664) ...	...	City of London Gold Mines, Ltd.	...	...	...
115s (2031) ...	Dark Horse ...	...	...	...	...
428s (2040) ...	Day Break ...	...	...	...	...
225s (2752), 241s (2815)	Denver City ...	...	...	...	8 0 0 0
34s (1330) ...	Fair Adelaide ...	...	...	...	10 0 0 0
14s (720), 53s (1580)	...	Fremantle Consols G.M. Co.	...	...	...
261s (2921) ...	General Lee ...	...	...	...	...
12s (661) ...	Gladstone Extended ...	...	...	...	...
49s (1538) ...	Golden Crest ...	...	...	...	10 0 0 0
98s (1924) ...	Golden Plum ...	...	...	...	85 0 0 0
93s (1884) ...	...	Great Dyke and Orizaba Cement Claims, Ltd.	...	...	...
89s (1859) ...	Hands Across Sea United ...	...	...	...	...
61s (1655), 62s (1656)	...	Hands Across the Sea G.M. Co.	...	...	45 0 0 0
100s (1931) ...	Hilton Lease ...	W. A. Proprietary Cement Leases, Ltd.	...	...	...
355s (3385) ...	Holland's Reward ...	...	...	...	...
405s (3535) ...	Kieora ...	...	...	...	...
420s ...	Lady Alice ...	...	...	...	...
3s (419) ...	Lady Eveline ...	...	...	...	10 0 0 0
47s (1483) ...	...	Limerick Gold Mines	...	...	100 0 0 0
6s (441) ...	...	Lone Hand Gold Mines, Ltd.	...	...	...
106s (1955) ...	Mexico ...	...	...	...	...
248s (2870) ...	Multum in Parvo ...	...	...	...	...
73s (1709) ...	...	Nordenfeldt G.M. Co., N.L.	...	...	...
334s (3288) ...	Nordenfeldt South ...	...	...	...	...
77s (1773) ...	Ormuz ...	...	...	...	35 10 0 0
317s (3165) ...	Ora Banda ...	...	...	...	...
377s (3433) ...	Pagoda ...	...	...	...	...
243s (2833) ...	Pearce's Find ...	...	...	...	10 0 0 0
369s (3403) ...	Pride of the Jaurdies ...	...	...	...	...
79s (1802) ...	...	Premier G.M. Co., Ltd.	...	...	3141 0 0 0
74s (1740) ...	Premier South ...	...	...	...	19 0 0 0
299s (3098) ...	Pole ...	...	...	...	...
45s (1481) ...	Royal Sovereign ...	...	...	...	2 0 0 0
132s (2157) ...	Great Scott ...	...	...	...	...
359s (3390) ...	Kintore North ...	Sugarloaf 25-Mile Leases, Ltd.	...	...	...
499s (1830) ...	Sugar Loaf ...		...	...	...
376s (3432) ...	Stanley ...		...	...	...
7s (458) ...	Trident ...		...	...	100 0 0 0
16s (936) ...	Vincent ...	...	...	...	...
225s (2725) ...	Victor ...	...	...	...	...
308s (3145) ...	...	Westralia Premier Gold Mines, Ltd.	...	...	...
105s (1945) ...	Ophelia ...	W. A. Proprietary Cement Leases, Ltd.	...	...	...
228s (2064) ...	Waverley ...	...	...	...	...
317s (3434) ...	Zealandia ...	...	...	...	...
438s (3447) ...	Zuleika North ...	...	...	...	...
					3675 13 0 0

Ore Milled, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

Gold Yield. ozs. dwts. grs.	TOTAL GOLD PRODUCTION.						Mint Value of Gold per Ounce.								
	Ounces from Unknown Tons.	Dolled and Specimens. ozs. dwts. grs.	Ore Treated.				Gold Yield.			Average.			£	s.	d.
			tons	cwt.	qrs.	lbs.	ozs.	dwts.	grs.	ozs.	dwts.	grs.			
50 0 0	...	72 0 0	14	2	0	0	105	0	0	7	8	22			
213 5 0	100	0	0	0	213	5	0	2	2	5			
...	334	12	0	0	318	5	13	0	19	0	3	10	0
...	70	0	0	0	33	0	0	0	9	10	4	0	0
...	48	0	0	0	51	4	0	1	1	8			
100 0 0	0	1	0	0	100	0	0						
...	...	15 4 0	6	0	0	0	24	12	0	4	2	0	4	1	0
...	406	0	0	0	486	17	0	1	3	23	2	19	7½
...	0	2	0	0	16	6	0						
...	28	0	0	0	42	10	0	1	10	8			
112 0 0	8	0	0	0	112	0	0	14	0	0			
16 0 0	10	0	0	0	16	0	0	1	12	0			
...	40	0	0	0	243	10	0	6	1	18			
...	20	0	0	0	11	7	0	0	11	8			
...	80	0	0	0	23	0	0	0	5	18	4	0	0
5 0 0	10	0	0	0	5	0	0	0	10	0			
2 0 0	85	0	0	0	2	0	0	0	0	11			
...	3532	0	0	0	1110	6	0	0	6	6	3	17	6
...	30	0	0	0	33	0	0	1	2	0			
34 0 0	335	0	0	0	237	18	0	0	14	4			
...	3535	0	0	0	6836	0	0	1	18	16			
...	...	55 0 0	0	1	0	0	170	0	0	...	...	...	3	17	10½
...	20	0	0	0	134	7	0	6	14	8	3	15	0
...	28	0	0	0	23	10	0	0	16	18			
50 0 0	10	0	0	0	50	0	0	5	0	0			
28 0 0	100	0	0	0	28	0	0	0	5	14			
...	80	0	0	0	94	2	12	1	3	12	3	15	0
...	731	0	0	0	1542	0	0	2	2	4	3	0	0
...	55	0	0	0	68	16	0	1	5	0			
...	231	10	0	0	374	15	0	1	12	7			
...	50	0	0	0	92	3	0	1	16	20			
8 10 0	35	10	0	0	8	10	0	0	4	18			
...	84	0	0	0	116	7	3	1	7	16	3	18	0
...	36	0	0	0	49	8	16	1	7	11			
...	25	0	0	0	5	0	0	0	4	0			
60 0 0	10	0	0	0	60	0	0	6	0	0			
...	44	0	0	0	100	0	0	2	5	10			
6308 15 12	7499	0	0	0	11209	8	18	1	9	21	3	16	6
11 0 0	69	0	0	0	126	2	0	1	16	13			
...	50	0	0	0	89	16	0	1	15	22			
30 0 0	2	0	0	0	30	0	0	15	0	0			
...	67	0	0	0	314	14	9	4	13	22			
...	67	10	0	0	367	19	13	5	9	0	3	18	4
...	11	10	0	0	63	18	2	5	10	22			
...	23	0	0	0	11	0	0	0	9	13			
32 0 0	100	0	0	0	32	0	0	0	6	9			
...	74	10	0	0	44	15	0	0	12	0			
...	...	17 6 12	24	0	0	0	9	7	0	0	7	19	3	17	6
...	1740	0	0	0	801	18	0	0	9	5	4	0	0
...	20	0	0	0	30	7	0	1	10	8			
...	25	0	0	0	5	0	0	0	4	0			
...	26	0	0	0	38	14	0	1	9	18			
7060 10 12	...	159 10 12	20030	8	0	0	26112	19	14	1	6	1			

Yilgarn

SOUTHERN CROSS

Official Numbers of Leases.	Name of Lease.	Name of Company.	FIRST HALF OF 1897.				
			Dollied and Specimens. oz. dwt. gr.	Concentrates.		Tailings.	
				tons.	ozs. dwts. grs.	tons.	ozs. dwts. grs.
374	Ardath ... ..	...	...	...	...	...
279 ... ..	...	Central G.M. Co., Ltd.	...	...	...	...
280 ... ..	...	Central Extended G.M. Co., N.L.	...	...	...	...
13 ... ..	...	Fraser's G.M. Co., N.L.	...	...	...	...
29 ... ..	...	Fraser's South G.M. Co., N.L.	...	19	66 0 0	...
253	Golden Pig, No. 1	The Water Trust and Public Crushing Co. of W.A., Ltd.	...	...	...	...
230	Golden Pig		...	...	...	...
448 (late 286)	Golden Pig, North		...	...	...	...
19, 52, 288, 360	Hope's Hill		...	...	...	...
193	Kathleen		...	...	...	...
443	Lydia	...	...	...	...
212, 217, 233, 397	...	Mt. Jackson Gold Mines, Ltd.	...	...	...	...
216	Passby	Carlylse G.M. Co.	...	...	...	...
250	Queen of Sheba	...	...	...	...	...
302	Royal Victoria, South	...	...	...	...	...
252	Tarcoola	Various other Mines	...	...	...	...
			19	66 0 0	...	...

SOUTHERN CROSS

Official Numbers of Leases.	Name of Lease.	Name of Company.	FOURTH QUARTER OF 1897.				
			Dollied and Specimens. oz. dwt. gr.	Concentrates.		Tailings.	
				tons.	ozs. dwts. grs.	tons.	ozs. dwts. grs.
374	Ardath ... ..	...	...	...	...	...
279 ... ..	...	Central G.M. Co., Ltd.	...	...	...	...
280 ... ..	...	Central Extended G.M. Co., N.L.	...	...	...	...
13 ... ..	...	Fraser's G.M. Co., N.L.	...	...	...	...
29 ... ..	...	Fraser's South G.M. Co., N.L.	...	59 18 2	68 4 0	...
253	Golden Pig, No. 1	The Water Trust and Public Crushing Co. of W.A., Ltd.	...	...	...	...
230	Golden Pig		...	...	...	...
448 (late 286)	Golden Pig, North		...	...	...	...
19, 52, 288, 360	Hope's Hill		...	...	...	...
193	Kathleen		...	...	...	...
443	Lydia	...	...	...	...
212, 217, 233, 397	...	Mt. Jackson Gold Mines, Ltd.	...	...	...	...
216	Passby	Carlylse G.M. Co.	...	...	...	...
250	Queen of Sheba	...	...	...	...	...
302	Royal Victoria, South	...	...	...	...	...
252	Tarcoola	Various other Mines	...	...	...	...
			59 18 2	68 4 0	...	...

SOUTHERN CROSS

Official Numbers of Leases.	Name of Lease.	Name of Company.	TOTALS PREVIOUS TO 1897.				
			Ounces from Unknown Tons.	Dollied and Specimens. ozs. dwts. grs.	Ore Treated.		
					tons	cwt.	qrs. lbs.
374	Ardath ... ..	...	...	...	...	...
279 ... ..	...	Central G.M. Co., Ltd.	...	...	...	37432 0 0 0
280 ... ..	...	Central Extended G.M., Co., N.L.	...	...	...	9175 0 0 0
13 ... ..	...	Fraser's G.M. Co., N.L.	...	...	...	58123 0 0 0
29 ... ..	...	Fraser's South G.M. Co., N.L.	...	...	...	39478 0 0 0
253	Golden Pig, No. 1	The Water Trust and Public Crushing Co. of W.A., Ltd.	...	...	...	...
230	Golden Pig		...	...	...	...
448 (late 286)	Golden Pig, North		...	...	...	...
19, 52, 288, 360	Hope's Hill		...	...	...	29028 0 0 0
193	Kathleen		...	...	...	130 0 0 0
443	Lydia	...	...	...	...
212, 217, 233, 397	...	Mt. Jackson Gold Mines, Ltd.	...	...	...	1514 0 0 0
216	Passby	Carlylse G.M. Co.	...	...	...	36 0 0 0
250	Queen of Sheba	...	...	...	...	...
302	Royal Victoria, South	...	...	...	...	9 0 0 0
252	Tarcoola	Various other Mines	...	...	...	...
				*738 3 12	...	...
				738 3 12	174925 0 0 0	...	

Goldfield.

DISTRICT.

THIRD QUARTER OF 1897.

Ore Milled.		Dollied and Specimens. oz. dwt. gr.	Concentrates.		Tailings.		Ore Smelted.		Ore Milled.			
tons cwt. qrs. lbs.	ozs. dwts. grs.		cons.	ozs.	tons.	ozs.	tons.	ozs.	tons cwt. qrs. lbs.	ozs. dwts. grs.	ozs. dwts. grs.	ozs. dwts. grs.
2345 0 0 0	587 13 12	...	...	...	...	...	...	...	...	25 0 0 0	7 7 0	...
1035 0 0 0	292 6 12	...	...	...	...	...	...	...	...	690 0 0 0	249 3 0	...
10682 0 0 0	5302 19 12	...	...	...	...	...	...	...	...	164 0 0 0	44 18 12	...
4308 0 0 0	2394 5 12	...	...	...	...	...	...	...	...	From Plates	13 18 0	...
...	...	...	...	...	...	...	...	...	...	5270 0 0 0	2641 0 0	...
...	...	...	...	...	...	...	...	...	...	2313 0 0 0	1359 5 0	...
...
...	...	...	...	...	...	...	...	...	...	397 0 0 0	133 18 0	...
...	...	...	...	...	...	...	...	...	...	20 0 0 0	5 13 0	...
...
Plates	6 8 12	...	...	...	...	...	...	...	...	...	...	...
{ 361 0 0 0	{ 338 1 0 }	...	...	...	...	...	...	...	...	...	...	...
...
2 0 0 0	1 10 0	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	75 0 0 0	37 6 0	...
...	...	...	...	...	...	...	...	...	...	11 0 0 0	19 16 0	...
...
18733 0 0 0	8923 4 12	...	...	...	...	...	...	...	...	8965 0 0 0	4512 4 12	...

DISTRICT—continued.

FOURTH QUARTER OF 1897—continued.

TOTALS FOR 1897.

Ore Smelted.				Ore Milled.				Dollied and Specimens. ozs. dwts. grs.	Ore Treated.			Gold Yield.		
tons cwt. qrs. lbs.	ozs. dwts. grs.	tons cwt. qrs. lbs.	ozs. dwts. grs.	tons cwt. qrs. lbs.	ozs. dwts. grs.	tons cwt. qrs. lbs.	ozs. dwts. grs.		tons cwt. qrs. lbs.	ozs. dwts. grs.	ozs. dwts. grs.			
...	25 0 0 0	7 7 0	...		
...	...	899 0 0 0	285 12 12	...	...	3934 0 0 0	1122 9 0	...	...	164 0 0 0	44 18 12	...
...	...	From Plates	122 0 0	...	...	1035 0 0 0	428 4 12	...	...	4600 0 0 0	1990 7 0	...
...	...	2134 0 0 0	914 19 0	...	...	20552 0 0 0	9934 6 12	...	...	2134 0 0 0	914 19 0	...
...	...	50 0 0 0	16 10 0	...	...	8755 0 0 0	4802 13 12	...	...	50 0 0 0	16 10 0	...
...	...	597 0 0 0	172 15 0	...	...	994 0 0 0	306 13 0	...	...	...	...	...
...	20 0 0 0	5 13 0	...	...	...	...	...
...		
...	...	10 0 0 0	1 0 0	...	...	10 0 0 0	1 0 0	...	...	...	...	...
...	361 0 0 0	344 9 12	...	...	...	...	...
...	2 0 0 0	1 10 0	...	...	...	...	...
...	75 0 0 0	37 6 0	...	...	...	...	...
...	11 0 0 0	19 16 0	...	...	...	...	...
...		
...	...	8290 0 0 0	3503 3 12	...	...	35988 0 0 0	17072 16 12	...	...	...	...	...

DISTRICT—continued.

TOTAL GOLD PRODUCTION.

Gold Yield. ozs. dwts. grs.	Ounces from Unknown Tons.	Dollied and Specimens. ozs. dwts. grs.	Ore Treated.		Gold Yield.		Average.		Mint Value of Gold per Ounce.		
			tons cwt. qrs. lbs.	ozs. dwts. grs.	ozs. dwts. grs.	ozs. dwts. grs.	£	s.	d.		
20043 2 9	25 0 0 0	7 7 0	0 5 21	3 0 0	...	...	...	...
...	41366 0 0 0	21165 11 9	0 10 5	...	...	...	...	...
...	164 0 0 0	44 18 12	0 5 11	...	...	...	...	...
4699 0 0	10210 0 0 0	5127 4 12	0 10 1	3 10 0	...	...	...	...
35959 17 0	78675 0 0 0	45894 3 12	0 11 16	3 14 6	...	...	...	...
21355 0 0	48233 0 0 0	26157 13 12	0 10 20	3 5 0	...	...	...	...
...	50 0 0 0	16 10 0	0 6 14	3 15 0	...	...	...	...
...	994 0 0 0	306 13 0	0 6 4	3 15 0	...	...	...	...
...	20 0 0 0	5 13 0	0 5 15	...	...	...	...	...
10157 0 0	29028 0 0 0	10157 0 0	0 6 23	...	...	...	...	...
271 17 0	130 0 0 0	271 17 0	2 1 19	...	...	...	...	...
...	10 0 0 0	1 0 0	0 2 0	4 0 0	...	...	...	...
896 12 12	1875 0 0 0	1241 2 0	0 13 5	...	...	...	...	...
58 15 0	86 0 0 0	58 15 0	1 12 15	...	...	...	...	...
...	2 0 0 0	1 10 0	0 15 0	...	...	...	...	...
15 4 12	84 0 0 0	52 10 12	0 12 12	...	...	...	...	...
...	11 0 0 0	19 16 0	1 16 0	...	...	...	...	...
...	...	738 3 12	...	...	...	...	...	...	...	...
93456 8 9	...	738 3 12	210913 0 0 0	110529 4 21	0 10 11	...	...	...	...	...

TABLE No. II.—Return of

Dundas

NORSEMAN

Official Numbers of Leases.	Name of Lease.	Name of Company.	FIRST HALF OF 1897.				
			Dollied and Specimens. oz. dwt. gr.	Concentrates.		Tailings.	
				tons.	ozs. dwts. grs.	tons.	ozs. dwts. grs.
475	Agnes Roberts						
583	Albemarle						
362, 379	Albion						
515	Apsey South						
39, 97		All Nations Gold Mines, Ltd.					
2	Barker's Reward						
516	Birthday Gift						
602	Birthday Extended						
571	Break o' Day						
612	Break o' Day South						
499, 536	Buldanias Bells						
579	Cumberland						
84, 85, 168, 152, 196 228, 229		Desirable Proprietary Gold Mines, Limited					
155	Eclipse						
128	Edwards						
686	Edinburgh Castle						
226	Empire						
275	Excelsior Magna						
506	I.X.L.						
454	Killaloe						
610	Little Wonder						
663	Lone Hand						
589	Magill						
4	Mawson's Reward and Reward Claim No. 1						
651	Mineva						
666	Morrell						
56	Moloney						
54	Morning Star						
42, 43		Mt. Benson G.M. Co.					
18, 19, 20, 21, 25, 26, 48, 94, 101, 103, 115, 116, 138, 235, 236, 611		Norseman Gold Mines, Ltd.					
15		Norseman G.M. Co., N.L.					
482, 16		No. 1 North Norseman Gold Mining Company					
17, 57		Royal Dane G.M. Co., N.L.					
98	Ophir						
521	Pathway Hill						
187	Princess Royal No. 1 S.						
648	Prince of the West						
106, 587		Princess Royal G.M. Co., N.L.					
681	Recoup						
36, 480, 483		St. Agnes Gold Reefs					
44, 139	Sudden Norseman and Macedonian G.M. Co., N.L.						
142	St. Agnes No. 2 North						
88	Three Colonies						
655	Three Kingdoms						
220, 257	Three Stars						
22, 24, 239	United Scotchman						
112	Union						
127	United Miners						
609	Waverley						
137	Waratah						
403	Welcome						
	Other small parcels, Bevilaqua's Battery						

Ore Milled, etc.—continued.

Goldfield.

DISTRICT.

THIRD QUARTER OF 1897.																
Ore Milled.		Dolled and Specimens. oz. dwt. gr.	Concentrates.		Tailings.		Ore Smelted.		Ore Milled.							
tons	cwt. qrs. lbs.		tons.	ozs.	tons.	ozs.	tons.	ozs.	tons	cwt. qrs. lbs.	ozs. dwts. grs.					
...	...	...	...	...	...	...	...	...	20	0	0	0	14	4	0	
77	0 0 0	232	0 0	...	...	40	430. 12d.	...	...	91	0	0	0	150	16	0
0	4 2 0	23	3 0	...	...	...	...	...	...	...	...	...	...	...	...	...
...
136	0 0 0	26	2 0	...	...	...	...	...	...	...	...	...	...	...	...	...
2	0 0 0	4	15 0	...	...	...	...	...	...	39	15	0	0	29	10	0
...	...	...	...	...	...	...	...	...	...	10	0	0	0	2	0	0
45	0 0 0	116	2 0	...	...	...	...	...	...	...	...	...	...	...	...	...
10	0 0 0	20	10 0	...	...	...	...	...	...	20	0	0	0	40	16	0
9	0 0 0	29	15 12	...	...	...	...	...	...	40	0	0	0	81	2	0
...	...	...	...	...	...	...	...	...	...	201	0	0	0	157	11	15
2115	0 0 0	1823	7 0	...	...	...	...	...	...	688	0	0	0	232	0	10
...
50	0 0 0	48	0 0	...	27	21	...	...	...	35	0	0	0	10	9	0
...
15	0 0 0	3	2 0	...	...	...	...	...	...	...	...	...	...	...	...	...
...
25	0 0 0	51	0 0	...	...	...	...	...	...	...	...	...	...	...	...	...
...
109	0 0 0	150	17 20	...	...	...	...	...	...	20	13	0	0	7	15	0
...	...	...	...	...	...	...	...	...	...	193	0	0	0	165	7	7
25	0 0 0	26	0 0	...	...	...	...	...	...	...	...	...	...	...	...	...
374	0 0 0	255	2 0	...	...	...	...	...	...	1193	10	0	0	943	13	16
...
20	0 0 0	15	0 0	...	...	...	...	...	...	...	...	...	...	...	...	...
...
97	4 0 0	150	0 0	...	...	...	...	...	...	50	0	0	0	17	10	0
20	0 0 0	17	0 19	...	...	...	...	...	...	234	0	0	0	158	11	0
...	...	...	...	...	...	...	...	...	...	757	0	0	0	1145	8	12
...
314	0 0 0	356	1 0	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	187	0	0	0	153	0	0
391	0 0 0	305	0 0	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	113	15	0	0	66	0	0
358	0 0 0	640	0 0	...	...	...	...	...	...	78	0	0	0	6	0	0
...
290	0 0 0	377	17 0	...	...	...	...	...	...	33	0	0	0	25	1	4
...	...	...	...	...	...	...	...	...	...	979	0	0	0	1794	0	0
...
50	0 0 0	12	10 0	...	...	...	...	...	...	...	...	...	...	...	...	...
...
100	0 0 0	134	0 0	...	...	...	...	...	...	32	10	0	0	25	0	0
...	...	...	...	...	...	...	...	...	...	140	0	0	0	35	17	0
...
982	0 0 0	945	14 0	...	...	...	...	...	...	646	0	0	0	587	0	0
...
1	0 0 0	2	10 0	...	...	...	...	...	...	0	10	0	0	0	7	0
...
29	15 0 0	8	0 0	...	...	...	...	...	...	16	0	0	0	5	0	0
152	10 0 0	63	15 0	...	...	...	...	...	...	...	...	...	...	...	...	...
...
5797	13 2 0	5837	4 3	...	27	21	40	4312	...	5813	13	0	0	5853	19	16

TABLE No. II.—Return of

Dundas

NORSEMAN

Official Numbers of Leases.	Name of Lease.	Name of Company.	FOURTH QUARTER OF 1897.					
			Dollied and Specimens. oz. dwt. gr.	Concentrates.		Tailings.		
				tous.	ozs. dwts. grs.	tous.	ozs. dwts. grs.	
475	Agnes Roberts	...	...	...	...	...	...	...
583	Albemarle	...	...	...	...	...	...	...
362, 379	Albion	...	...	...	...	...	...	...
515	Apsey South	...	...	...	...	...	...	...
39, 97	...	All Nations Gold Mines, Ltd.	...	...	...	...	...	...
2	Barker's Reward	...	...	...	...	...	...	...
516	Birthday Gift	...	...	...	...	...	...	...
602	Birthday Extended	...	...	...	...	...	...	...
571	Break o' Day	...	...	...	...	135	103 17 14	...
612	Break o' Day South	...	...	...	...	...	...	...
499, 536	Buldanian Bells	...	...	...	...	...	...	...
579	Cumberland	...	...	...	...	...	...	...
84, 85, 168, 152, 196, 228, 229	...	Desirable Proprietary Gold Mines, Limited	...	...	...	...	...	...
155	Eclipse	...	...	...	...	...	...	...
128	Edwards	...	...	...	...	...	...	...
686	Edinburgh Castle	...	...	...	...	...	...	...
226	Empire	...	...	...	...	...	...	...
275	Excelsior Magna	...	...	...	...	...	...	...
506	I.X.L.	...	...	...	...	...	...	...
454	Killaloe	...	...	...	...	...	...	...
610	Little Wonder	...	...	...	...	...	...	...
663	Lone Hand	...	...	...	...	...	...	...
589	Magill	...	...	...	...	...	...	...
4	Mawson's Reward and Reward Claim No. 1.	...	...	...	...	...	...	...
651	Mineva	...	...	...	...	...	...	...
666	Morrell	...	...	...	...	...	...	...
56	Moloney	...	...	...	...	...	...	...
54	Morning Star	...	...	...	...	...	...	...
42, 43	...	Mt. Benson G.M. Co.	...	...	...	...	...	...
18, 19, 20, 21, 25, 26, 48, 94, 101, 103, 115, 116, 138, 235, 236, 611	...	Norseman Gold Mines, Ltd.	...	...	...	...	...	...
15	...	Norseman G.M. Co., N.L.	...	...	...	...	...	...
482, 16	...	No. 1 North Norseman Gold Mining Company	...	...	...	...	...	...
17, 57	...	Royal Dane G.M. Co., N.L.	...	...	...	...	...	...
98	Ophir	...	...	...	...	...	...	...
521	Pathway Hill	...	...	...	...	...	...	...
187	Princess Royal No. 1 S.	...	...	...	...	...	...	...
648	Prince of the West	...	...	...	...	...	...	...
106, 587	...	Princess Royal G.M. Co., N.L.	...	...	...	1372	837 1 0	...
681	Recoup	...	...	...	...	...	...	...
36, 480, 483	...	St. Agnes Gold Reefs	...	...	...	...	...	...
44, 139	Sudden Norseman and Macedonian G.M. Co., N.L.	...	...	...	...	250	96 0 0	...
142	St. Agnes No. 2 North	...	...	...	...	...	...	...
88	Three Colonies	...	...	...	...	...	...	...
655	Three Kingdoms	...	...	...	...	...	...	...
220, 257	Three Stars	...	...	...	...	...	...	...
22, 24, 239	United Scotchman	...	...	...	...	...	...	...
112	Union	...	...	...	...	...	...	...
127	United Miners	...	...	...	...	...	...	...
609	Waverley	...	...	...	...	...	...	...
137	Waratah	...	...	...	...	...	...	...
403	Welcome	...	...	...	...	...	...	...
	Other small parcels, Bevilaqua's Battery	...	...	...	...	...	...	...
		
			* 77½	...	...	1757	1036 18 14	...

* Dollied.

Ore Milled, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

FOURTH QUARTER OF 1897—continued.				TOTALS FOR 1897.			
Ore Smelted.		Ore Milled.		Dollied and Specimens.	Ore Treated.	Gold Yield.	
tons cwt. qrs. lbs.	ozs. dwts. grs.	tons cwt. qrs. lbs.	ozs. dwts. grs.				
...	20 0 0 0	14 4 0	
...	...	73 0 0 0	286 14 0	...	241 0 0 0	713 2 0	
...	0 4 2 0	23 3 0	
...	
...	...	200 0 0 0	67 12 0	...	200 0 0 0	67 12 0	
...	136 0 0 0	26 2 0	
...	...	13 6 0 0	37 10 0	...	55 1 0 0	71 15 0	
...	10 0 0 0	2 0 0	
...	...	323 0 0 0	903 2 10	...	368 0 0 0	1123 2 0	
...	...	33 3 0 0	50 19 7	...	63 3 0 0	112 5 7	
...	...	40 0 0 0	60 8 0	...	89 0 0 0	171 5 12	
...	201 0 0 0	157 11 15	
...	...	118 0 0 0	99 4 0	...	2921 0 0 0	2154 11 10	
...	35 0 0 0	10 9 0	
...	...	26 0 0 0	52 14 0	...	76 0 0 0	121 14 0	
...	...	9 10 0 0	6 13 3	...	9 10 0 0	6 13 3	
...	15 0 0 0	3 2 0	
...	
...	...	6 15 0 0	15 0 0	...	31 15 0 0	66 0 0	
...	20 13 0 0	7 15 0	
...	302 0 0 0	316 5 3	
...	...	150 0 0 0	16 10 0	...	150 0 0 0	16 10 0	
...	25 0 0 0	26 0 0	
...	1567 10 0 0	1198 15 16	
...	...	17 10 0 0	16 1 10	...	17 10 0 0	16 1 10	
...	77½	...	...
...	20 0 0 0	15 0 0	
...	50 0 0 0	17 10 0	
...	...	279 14 0 0	218 12 12	...	610 18 0 0	527 3 12	
...	...	1722 0 0 0	1692 4 7	...	2499 0 0 0	2854 13 14	
...	
...	...	328 0 0 0	130 14 0	...	328 0 0 0	130 14 0	
...	501 0 0 0	509 1 0	
...	...	78 0 0 0	26 6 0	...	78 0 0 0	26 6 0	
...	504 15 0 0	371 0 0	
...	73 0 0 0	6 0 0	
...	358 0 0 0	640 0 0	
...	33 0 0 0	25 1 4	
...	...	912 0 0 0	2103 15 0	...	2181 0 0 0	5112 13 0	
...	...	30 0 0 0	16 10 0	...	30 0 0 0	16 10 0	
...	...	430 0 0 0	329 13 0	...	430 0 0 0	329 13 0	
...	...	199 0 0 0	34 10 0	...	249 0 0 0	143 0 0	
...	
...	...	28 0 0 0	30 1 0	...	60 10 0 0	55 1 0	
...	240 0 0 0	169 17 0	
...	...	62 15 0 0	11 3 0	...	62 15 0 0	11 3 0	
...	
...	...	289 0 0 0	207 9 0	...	1628 0 0 0	1532 14 0	
...	289 0 0 0	207 9 0	
...	0 10 0 0	0 7 0	
...	1 0 0 0	2 10 0	
...	16 0 0 0	5 0 0	
...	29 15 0 0	8 0 0	
...	152 10 0 0	63 15 0	
...	...	5368 13 0 0	6113 6 1	77½	16979 19 2 0	19206 0 10	

TABLE NO. II.—Return of

Dundas

NORSEMAN

Official Numbers of Leases.	Name of Lease.	Name of Company.	TOTALS PREVIOUS TO 1897.		
			Ounces from Unknown Tons.	Dolled and Specimens. ozs. dwts. grs.	Ore Treated. tons cwt. qrs. lbs.
475	Agnes Roberts ... ..	... ..	...	...	...
583	Albemarle ... ..	... ..	...	...	...
362, 379	Albion ... ..	... ..	...	...	...
515	Apsey South ... ..	... ..	...	...	0 10 0 0
39, 97 ... ..	... ..	All Nations Gold Mines, Ltd.	...	...	...
2	Barker's Reward ... ..	... ..	...	...	...
516	Birthday Gift ... ..	... ..	...	...	...
602	Birthday Extended ... ..	... ..	...	...	...
571	Break o' Day ... ..	... ..	...	...	...
612	Break o' Day South ... ..	... ..	...	...	...
499 536	Buldanias Bells ... ..	... ..	...	...	5 0 0 0
579	Cumberland ... ..	... ..	...	...	160 0 0 0
84, 85, 168, 152, 196, 228, 229	... ..	Desirable Proprietary Gold Mines, Ltd.	...	...	795 0 0 0
155	Eclipse ... ..	... ..	...	...	...
128	Edwards ... ..	... ..	...	...	132 0 0 0
686	Edinburgh Castle ... ..	... ..	...	...	...
226	Empire ... ..	... ..	...	...	...
275	Excelsior Magna ... ..	... ..	...	...	20 0 0 0
506	I.X.L. ... ..	... ..	...	...	...
454	Killaloe ... ..	... ..	...	...	...
610	Little Wonder ... ..	... ..	...	...	14 0 0 0
663	Lone Hand ... ..	... ..	...	...	...
589	Magill ... ..	... ..	...	...	...
4	Mawson's Reward and Reward Claim No. 1	... ..	...	...	...
651	Mineva ... ..	... ..	...	...	...
666	Morrell ... ..	... ..	...	...	...
56	Moloney ... ..	... ..	...	...	50 0 0 0
54	Morning Star ... ..	... ..	...	...	...
42, 43 ... ..	... ..	Mt. Benson G.M. Co.	...	...	1 10 0 0
18, 19, 20, 21, 25, 26, 48, 94, 101, 103, 115, 116, 138, 235, 236, 611	... ..	Norseman Gold Mines, Ltd.	...	...	...
15 ... ..	... ..	Norseman G.M. Co., N.L.	...	...	...
482, 16 ... ..	... ..	No. 1 North Norseman Gold Mining Company	...	...	...
17, 57 ... ..	... ..	Royal Dane G.M. Co., N.L.	...	...	...
98	Ophir ... ..	... ..	...	...	118 0 0 0
521	Pathway Hill ... ..	... ..	...	...	...
187	Princess Royal No. 1 S.	... ..	...	...	...
648	Prince of the West ... ..	... ..	...	...	...
106, 587 ... ..	... ..	Princess Royal G.M. Co., N.L.	...	...	10 0 0 0
681	Recoup ... ..	... ..	...	...	...
36, 480, 483 ... ..	... ..	St. Agnes Gold Reefs	...	...	...
44, 139	Sudden Norseman and Macedonian G.M. Co., N.L.	... ..	...	...	...
142	St. Agnes No. 2 North	... ..	...	...	...
88	Three Colonies ... ..	... ..	...	...	...
655	Three Kingdoms ... ..	... ..	...	...	...
220, 257	Three Stars ... ..	... ..	...	...	20 0 0 0
22, 24, 239	United Scotchman ... ..	... ..	...	...	1694 0 0 0
112	Union ... ..	... ..	...	...	...
127	United Miners ... ..	... ..	...	...	...
609	Waverley ... ..	... ..	...	...	...
137	Waratah ... ..	... ..	...	...	...
403	Welcome ... ..	... ..	...	...	...
	Other small parcels, Bevilaqua's Battery	... ..	...	...	...
			...	...	3020 0 0 0

Ore Milled, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

Gold Yield. ozs. dwts. grs.	TOTAL GOLD PRODUCTION.					Mint Value of Gold per Ounce.		
	Ounces from Unknown Tons.	Dolled and Specimens. ozs. dwts. grs.	Ore Treated.		Gold Yield.	Average.		f. s. d.
			tons	cwt. qrs. lbs.	ozs. dwts. grs.	ozs. dwts. grs.		
...	20	0 0 0	14 4 0	0 14 4		
...	241	0 0 0	713 2 0	2 19 4	3 17 6	
...	0	4 2 0	23 3 0			
7 0 0	0	10 0 0	7 0 0			
...	200	0 0 0	67 12 0	0 6 6	3 0 0	
...	136	0 0 0	26 2 0	0 3 20		
...	55	1 0 0	71 15 0	1 6 22	3 17 10½	
...	10	0 0 0	2 0 0	0 4 0		
...	368	0 0 0	1123 2 0	3 1 0	3 19 6	
...	63	3 0 0	112 5 7	1 15 15	3 17 6	
25 0 0	94	0 0 0	196 5 12	2 1 18	3 16 10½	
216 0 0	361	0 0 0	373 11 15	1 0 16		
1306 0 0	3716	0 0 0	3460 11 10	0 18 15		
...	35	0 0 0	10 9 0	0 5 23		
160 10 0	208	0 0 0	282 4 0	...	4 0 0	
...	9	10 0 0	6 13 3	0 14 0		
...	15	0 0 0	3 2 0	0 4 3		
4 0 0	20	0 0 0	4 0 0	0 4 0		
...	31	15 0 0	66 0 0	2 1 3	3 13 6	
...	20	13 0 0	7 15 0	0 7 12		
42 0 0	316	0 0 0	358 5 3	1 2 16		
...	150	0 0 0	16 10 0	0 2 4		
...	25	0 0 0	26 0 0	1 0 19		
...	1567	10 0 0	1198 15 16	0 15 6		
...	17	10 0 0	16 1 10	0 18 8	3 10 0	
...	...	77½	...	...	...	...	3 15 0	
58 0 0	70	0 0 0	73 0 0	1 0 20		
...	50	0 0 0	17 10 0	0 7 0		
19 0 0	612	8 0 0	546 3 12	0 17 20		
...	2499	0 0 0	2854 13 14	1 2 20	3 12 0	
...	328	0 0 0	130 14 0	0 7 23	3 15 0	
...	501	0 0 0	509 1 0	1 0 7		
...	78	0 0 0	26 6 0	0 6 17	3 15 0	
400 0 0	622	15 0 0	771 0 0	1 4 18		
...	73	0 0 0	6 0 0	0 1 15		
...	358	0 0 0	640 0 0	1 15 18		
...	33	0 0 0	25 1 4	0 15 4		
120 0 0	2191	0 0 0	5232 13 0	2 7 18	3 16 0	
...	30	0 0 0	16 10 0	0 11 0	3 15 0	
...	430	0 0 0	329 13 0	0 15 7	3 17 6	
...	249	0 0 0	143 0 0	0 11 11		
...	60	10 0 0	55 1 0	0 18 4	3 18 0	
...	240	0 0 0	169 17 0	0 14 3		
...	62	15 0 0	11 3 0	0 3 12	3 13 0	
24 0 0	20	0 0 0	24 0 0	1 4 0		
1602 0 0	3322	0 0 0	3134 14 0	0 18 20		
...	289	0 0 0	207 9 0	0 14 8	3 15 0	
...	0	10 0 0	0 7 0			
...	1	0 0 0	2 10 0	2 10 0		
...	16	0 0 0	5 0 0	0 6 6		
...	29	15 0 0	8 0 0	0 5 9		
...	152	10 0 0	63 15 0	0 8 8		
3983 10 0	...	77½	19999	19 2 0	23189 10 10	1 3 4		

TABLE No. III.

WEST AUSTRALIAN GOLDFIELDS.

Return of Gold exported from the Colony during 1897.

1897.	Kimberley G.F.	Pilbarra G.F.	Ashburton G.F.	Murchison G.F.	Yalgoo G.F.	North Coolgardie G.F.	North-East Coolgardie G.F.	East Coolgardie G.F.	Coolgardie G.F.	Yilgarn G.F.	Dundas G.F.	Total.
	ozs. dwts. grs.	ozs. dwts. grs.	ozs. dwts. grs.	ozs. dwts. grs.	ozs. dwts. grs.	ozs. dwts. grs.	ozs. dwts. grs.	ozs. dwts. grs.	ozs. dwts. grs.	ozs. dwts. grs.	ozs. dwts. grs.	ozs. dwts. grs.
January ...	80 9 0	...	10 0 0	7130 17 1	...	8392 0 9	880 10 1	19606 5 11	2350 18 10	1889 2 6	47 0 13	40386 14 3
February ...	...	1483 8 18	34 0 0	5272 7 9	...	6421 12 0	319 0 0	9756 1 9	5948 0 12	1918 0 0	1373 10 0	32526 0 0
March ...	...	61 0 0	40 0 0	4865 0 0	...	6247 1 12	1272 4 11	21443 15 23	4791 5 14	1409 0 0	167 0 0	40296 7 12
April ...	...	1919 0 0	53 10 0	5120 6 2	220 17 12	6036 13 7	1862 10 0	14222 2 9	7807 4 6	2417 4 0	1 0 0	39660 7 12
May ...	...	13 9 0	13 10 0	10022 7 13	...	6037 7 0	1588 6 16	29386 1 12	8921 3 10	1212 15 0	1916 15 0	59111 15 3
June ...	82 0 0	1604 0 0	19 6 12	6232 12 7	...	5684 19 18	829 1 0	24752 1 2	10283 11 0	1252 7 6	2608 15 23	53348 14 20
July ...	251 18 0	1462 15 0	87 5 12	7234 15 9	226 13 0	6592 13 21	2573 14 2	16919 7 18	10206 12 7	1400 9 20	1855 0 0	48811 4 17
August ...	...	1383 3 0	348 0 0	5747 18 1	269 1 17	8472 18 1	4595 6 10	31753 2 6	10238 11 1	1316 5 0	2 12 16	65129 3 10
				Pk. H. 70 13 0		Mt. M. 622 4 16						
				E. M. 309 7 14								
September	38 0 0	...	225 1 1	8356 12 8	277 12 10	5783 15 3	4533 17 9	32141 5 12	12123 12 5	1941 2 12	2676 16 14	71776 11 6
				Pk. H. 1147 15 0		Mt. M. 936 5 18	Bd. A. 251 5 0					
				E. M. 1343 10 10								
October ...	...	1635 8 6	130 8 12	8289 17 1	629 5 21	5332 2 6	4002 11 19	38333 12 16	9109 12 4	466 8 3	1967 14 20	75690 3 15
				Pk. H. 195 9 12		Mt. M. 1856 15 8	Bd. A. 269 2 0					
				E. M. 3471 15 7								
November	102 3 12	...	61 1 0	7112 4 7	...	5158 9 11	5210 4 12	34042 4 0	12738 19 4	1543 16 22	1758 12 5	75845 0 15
				Pk. H. 1962 7 0		Mt. M. 2669 19 16	Bd. A. 1926 9 21					
				E. M. 1538 9 1								
December...	...	2393 13 9	16 1 0	7506 19 15	410 14 3	4396 9 20	5238 10 0	27681 4 20	9786 17 8	1227 18 16	4935 18 12	72411 14 9
				Pk. H. 1733 15 12		Mt. M. 2600 9 4	Bd. A. 1712 8 12					
				E. M. 2770 13 22								
	554 1 12	11955 17 9	1038 3 13	97455 13 7	2034 4 15	83241 17 2	37065 1 17	300037 4 18	104306 7 9	17994 9 13	19310 16 7	674993 17 2

NOTE.—The Gold exported from the Mt. Margaret G.F. (Mt. M.) is included in North Coolgardie; that from Broad Arrow (Bd. A.) in North-East Coolgardie; that from West Pilbarra in Pilbarra; and that from Peak Hill (Pk. H.) and East Murchison G.F. (E. M.) in Murchison G.F. return.

Perth, 31st January, 1898.

JAS. WALLACE, Acting Statist.

TABLE No. IV.

WEST AUSTRALIAN GOLDFIELDS.

Return showing Quantity and Estimated Value of Mining Machinery erected to the 31st December, 1897.

GOLDFIELDS.	DISTRICTS.	Steam Engines employed in Mining.	Steam Boilers employed in Mining.	Steam Engines employed in Reduction.	Steam Boilers employed in Reduction.	Oil Engines.	Mine Pumps.	Steam Pumps.	Tailings Pumps.	Single Winding Gear.	Double Winding Gear.	Whims.	Whips.	Rock Drills.	Air Compressors.	Stone-breakers.	Crushing Mills, Active.	Crushing Mills, Hung up.	Number of Stampers.	Crushing Rollers.	Direct Acting Steam Stampers.	Huntington Mills.	Berdan Pans.	Wheeler's Pans.	Denny and other Pans.	Arrastras.	Brown and Stanfield's Concentrators and Settlers.	
Kimberley	Hall's Creek	1	...	5	5	...	5	...	...	...	...	...	...	...	...	...	...	...	35	...	...	...	2	...	...	...	...
Pilbarra	Marble Bar and Nullagine	3	3	8	6	1	8	3	...	...	...	...	2	...	...	1	1	1	50	...	...	3	4	...	...	...	...
West Pilbarra	Roebourne ... ..	...	...	2	2	...	1	1	...	...	...	...	...	...	...	...	...	...	10	...	...	...	1	...	...	...	...
Peak Hill	Peak Hill ... ..	...	...	1	1	...	...	1	...	...	...	...	...	...	...	...	1	...	10	...	...	...	...	...	...	...	...
East Murchison	Lawlers	5	5	2	3	...	2	4	...	1	3	...	3	...	...	1	1	1	28	...	...	...	2	...	...	...	5
Murchison	Cue	21	23	9	14	...	7	21	2	5	14	...	1	2	1	2	7	2	130	...	...	...	20	...	...	...	3
Do.	Nannine	13	7	9	9	...	6	6	2	5	4	...	3	...	...	3	8	2	110	...	...	...	14	...	...	...	...
Do.	Day Dawn	16	18	9	12	...	5	25	3	7	8	...	5	2	1	8	36	21	105	...	...	2	3	...	...	1	...
Do.	Mt. Magnet	7	7	2	2	...	3	3	2	...	3	...	1	...	...	...	...	...	20	...	...	...	3	...	...	...	...
Yalgoo	Yalgoo	14	12	2	3	...	5	17	3	3	2	1	...	1	...	2	7	1	56	...	...	1	6	...	...	...	...
Mt. Margaret and North	Mt. Malcolm, Mt. Mar-	32	37	22	23	5	11	31	3	9	37	3	30	11	2	8	8	6	213	1	...	2	20	3	...	...	5
Coolgardie	garet, Menzies	31	33	13	18	3	13	17	3	4	16	4	9	2	1	6	10	6	207	...	...	...	2	2	...	...	...
Broad Arrow	Broad Arrow
North-East Coolgardie and	Kanowna, Kalgoorlie ...	83	97	24	44	6	31	59	10	17	56	9	103	48	11	10	9	7	273	...	...	8	11	8	22	...	3
East Coolgardie	Coolgardie, Kuranalling	31	39	26	25	5	9	24	12	4	20	9	49	9	3	9	27	15	292	3	...	1	10	3	3	...	...
Coolgardie	Southern Cross	9	...	7	27	...	13	...	...	...	...	...	...	...	...	...	...	...	137	...	...	...	11	...	...	...	...
Yilgarn	Norseman	14	14	11	12	3	1	16	2	3	9	2	14	2	1	8	3	5	111	...	...	1	11	...	3	1	1
Dundas	Dundas ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Total	280	295	152	206	23	120	228	42	58	173	28	220	77	20	58	119	67	1,787	4	...	18	120	16	28	2	17	

TABLE IV.—Return showing Quantity and Estimated Value of Mining Machinery erected to the 31st December, 1897—continued.

GOLDFIELDS.	DISTRICTS.	Percussion and Shaking Tables.	Vanners.	Agitators.	Settling Tanks.	Rolling Vats.	Amalgamators and Amalgamating Barrels.	Jiggers.	Spitzkasten.	Revolving Screen.	Classifiers.	Furnaces (Reverberating).	Furnaces (Cupelling).	Water Jackets.	Refining Furnaces.	Fan Blasts.	Chlorination Vats.	Cyanide Vats.	Endless Chain Trams.	Dams and Reservoirs.	Engineer's Lathie, complete.	Estimated Value erected at the Mine.	Names of Inspectors of Mines.	
																								£
Kimberley	Hall's Creek	5 280	} R. G. Gladstone.
Pilbarra	Marble Bar and Nullagine ... ..	...	...	...	9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	22,984
West Pilbarra	Roebourne ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3,500
Peak Hill	Peak Hill	4,370	} W. F. Greenard.
East Murchison	Lawlers ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	17,720
Murchison	Cue	6	...	...	3	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	76,686
Do.	Nannine ... ..	...	8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	60,487
Do.	Day Dawn ... ..	...	3	...	4	...	1	...	...	...	...	...	1	...	1	...	...	10	...	...	...	...	67,613
Do.	Mt. Magnet ... ..	...	...	...	...	...	2	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	21,101
Yalgoo	Yalgoo ... ..	...	...	...	3	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	24,047
Mt. Margaret and North Coolgardie	Mt. Malcolm, Mt. Margaret, Menzies	2	4	...	59	...	1	1	5	...	5	1	3	8	145,726	} J. O. Hudson. G. Jenkyn.
Broad Arrow	Broad Arrow	2	...	7	37	...	4	...	...	...	...	3	5	...	1	...	...	...	3	12	...	...	125,652
North-East Coolgardie and East Coolgardie	Kanowna, Kalgoorlie	5	4	2	17	1	1	1	1	7	1	2	2	...	44	4	12	232,947	} *F. J. Lander. †George Lightly.
Coolgardie	Coolgardie, Kunanalling	3	3	2	55	...	7	...	...	...	...	3	4	...	...	...	...	10	3	17	...	...	124,200
Yilgarn	Southern Cross ... ..	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	52,035
Dundas	Norseman	17	...	1	1	2	1	1	3	...	14	...	7	65,672	J. B. Rankine.
Total	Total	18	22	11	204	1	19	1	1	9	25	2	13	5	...	79	13	72	1	...	£1,050,020	

* Acting. † Acting Chief Inspector of Mines.

NOTE.—The estimated values have, in most instances, been supplied by Mine Managers.

Perth, 31st March, 1898.

JAS. WALLACE,
Acting Statist.

Table No. V.

Miscellaneous.

Goldfields.	Area in Square Miles.	Districts.	Names of		List of Telegraph Stations.	
			Wardens.	Registrars.		
Northern Goldfields.	Kimberley	46,886	Hall's Creek ...	W. D. Cummins	* D. W. Green ...	Hall's Creek.
			Marble Bar ...	Axel Ostlund ...	H. Bradshaw ...	Marble Bar.
	Pilbarra	34,880	Bamboo Creek	Do. ...	Aristide Picard ...	Bamboo Creek, Condon.
			Tambourah ...	Do. ...	* A. C. Bligh ...	Tambourah, Western Shaw.
			Nullagine ...	Do. ...	F. E. Walsh ...	Nullagine.
West Pilbarra... ..	9,480	Roebourne ...	† John Brockman	Isidore Grimish ...	{ Balla Balla, Cossack, Fortescue,	
		Mallina ...	Do. ...	* F. H. Hester ...	{ Pilbarra, Roebourne, Toweranna, Whim Creek.	
Central Goldfields.	Ashburton	6,992	Mt. Mortimer	H. G. Wright ...	Abraham Phelps	Via Onslow.
	Gascoyne	5,061	Bangemall ...	...	Jesse Young ...	Via Carnarvon.
	Peak Hill	12,194	Peak Hill ...	C. U. Bagot ...	A. V. Fowler ...	Via Nannine.
			East Murchison ...	28,242	Lawlers ...	A. G. Clifton ...	W. O. Mansbridge	Lawlers.
	Murchison	20,513	Cue ...	E. P. Dowley ...	Jno. E. Geary ...	Cuddingwarra, Cue.
			Nannine ...	Do. ...	F. S. Oliver ...	Nannine.
			Day Dawn ...	Do. ...	Chas. J. Keily ...	Day Dawn.
	Yalgoo	18,921	Mt. Magnet ...	Do. ...	T. G. Collie ...	Lennonville, Mt. Magnet.
			Yalgoo ...	P. L. Gibbons ...	H. V. Falkiner ...	Gullewa, Melville, Yalgoo.
	Eastern Goldfields.	Mount Margaret ...	42,154	Mt. Malcolm ...	A. E. Burt ...	W. H. Cocks ...	Diorite King, Mt. Leonora, Mt. Malcolm, Murrin Murrin.
Mt. Margaret				Do. ...	F. W. Spence ...	Mt. Margaret.
North Coolgardie ...		30,609	Menzies ...	W. L. Owen ...	E. Y. Butler ...	Goongarrie, Menzies.
			Ularring ...	Do. ...	...	...
			Niagara ...	Do. ...	H. E. D. Peers ...	Niagara.
Broad Arrow		590	Yerilla ...	Do. ...	A. W. Barnett ...	Pendinnie, Yerilla.
			Broad Arrow ...	L. R. Davis ...	Thos. H. Hannah	Bardoc, Black Flag, Kurawa, Paddington.
North-East Coolgardie		22,000	Kanowna ...	P. Troy ...	G. F. Schloo ...	Kanowna.
			Bulong ...	Do. ...	E. W. Lawn ...	Bulong.
East Coolgardie ...		632	Kurnalpi ...	Do. ...	J. A. Flower ...	Kurnalpi.
			Kalgoorlie ...	F. A. Hare. ...	M. F. Calanchini	Boulder, Kalgoorlie.
Coolgardie		11,974	Coolgardie ...	J. M. Finnerty	H. W. Quodling ...	Bonnie Vale, Boorabbin, Bulla Bulling, Coolgardie, London- derry, Widgiemooltha.
	Kunanalling ...		Do. ...	Arthur Lefroy ...	Kunanalling.	
Yilgarn	15,593	Southern Cross	Victor Black ...	J. M. Bridger ...	Southern Cross.	
Dundas... ..	17,848	Norseman ...	A. Hicks ...	Wm. Dawson ...	Balladonia (Buldania), Dundas, Norseman.	
	324,569					

* Deputy Mining Registrar. † Acting Warden.

JAS. WALLACE,
Acting Statist.

Perth, 31st March, 1898.