

City of Greater Bendigo: Marong Heritage Study Mining Sites

LIDDELL'S PYRITES WORKS

Other Names Liddell Brothers; R. J. Liddell and Company; R. J. Liddle and Company;

Location Parcel No. P128082, Unreserved Crown Land, 400 metres east of Keene Street, in Derwent Gully

Map Reference Campaspe 2./2 1:10,000 - BV537.295

Victorian Heritage Register No

National Estate Register No

Planning Scheme No



Description The remains of a purple sand dump are visible at several points along the floor of the gully. West of the dump are a number of timber pedestals or 'horses', 1 foot square and 2 feet high and covered with a thick coating of hardened grease, indicating their use as engine supports. Nearby are two brick-lined pits. Further west are some unroofed galvanised iron vats and a linear mound of brick rubble, ash and building stone. This mound extends 56 metres south from a dam that runs along the site's northern edge. Near the dam, the mound has a more rectangular shape, being retained by stone walls, approximately 3 feet high and one foot apart. The bricks among the rubble are a mixture of hand- and machine- made types. The mound apparently represents the remains of a row of furnaces in which the tailings were roasted. The site is very disturbed and mostly overgrown with spiny rish.

History Period of activity: 1876-1884+
Maximum recorded annual production: 2094ozs in 1882

Thematic Context Mining

Comparative Examples There are two other pyrites works within the study area. These two are: Spargo's (1872) and Deeble's (1872). At the time all of these sites were located outside the municipal boundaries of Bendigo. Liddell's site, although constructed later (1876), became the second largest in terms of production (after Deeble's) and of the three appears to be the best preserved.

Statement of Significance This relatively compact site is associated with the introduction of pyrites treatment technology on Bendigo (criterion A). It is the best preserved of these early sites and has the potential to educate and illustrate an important aspect of Victoria's mining heritage and to answer timely and specific archaeological research questions because of the possibility of buried remains (criterion C).

Level of Significance Regional

Recommendation The site should be protected by inclusion in the Schedule to the Heritage Overlay Table in the City of Greater Bendigo Planning Scheme, by registration with the Victorian Heritage Council, and in accordance with the general principles of the conservation policy for mining sites.

Heritage Boundaries The site is approximately triangular in shape along the floor of the gully, bounded on the north by Derwent Gully Road between its junction with Bice Lane and the Specimen Hill water race, on the east by a private property

boundary approximately on a line between the end of Bice Lane and the western end of Liddell Street, and on the south by a curved line between the western end of Liddell Street and the Specimen Hill water race located about 100 metres south of a median line along the floor of the gully.

- References**
1. Mining Surveyors' Reports, Sandhurst mining district, No.1 or Kangaroo Flat division.
 2. P. Milner, "Mining machinery installations in Victoria, 1857-1939." Technology Report No.TR-89/12, Department of Mechanical and Industrial Engineering, The University of Melbourne, March 1989, 383pp.
 3. Mining Surveyors' Reports, Sandhurst mining district, Sandhurst division.
 4. Reports of the Mining Surveyors and Mining Registrars.
 5. Reports of the Mining Surveyors and Mining Registrars, Sandhurst mining district, Sandhurst division.
 6. "Mining intelligence." The Bendigo Advertiser, Thursday, 10 November 1870, p2, col.5.
 7. Annual Report of the Secretary for Mines, Victoria.
 8. Annual Report of the Secretary for Mines and Water Supply, Victoria.
 9. "The Pyrites Board." The Bendigo Advertiser, Friday, 18 December 1874, p2, col.2.
 10. "Pyrites." Report of the Board appointed by His Excellency the Governor in Council to report on the methods of treating pyrites and pyritous vein-stuffs as practised on the goldfields, and generally to report and make recommendations as to the best and most economical means of extracting gold from auriferous pyrites; together with minutes of evidence, plans, sections and appendices." Victoria, Papers presented to both Houses of Parliament by command of His Excellency the Governor, Session 1874, Volume III, No.96, 1874, 82pp, four plans.

Notes After September 1884 gold production from pyrites was recorded by mining company rather than by pyrites works, but as the total levels of recorded production for all these works both in the period beforehand and afterwards are comparable, and as machine-made bricks were found on site, these works almost certainly continued in operation until at least 1890, and probably until the cessation of most pyrites treatment on Bendigo in the 1914-1918 period. There is no documentary evidence that tailings treatment by chlorination or by cyaniding were ever practised at the site. As the site is overgrown there is some potential for buried remains. By comparison with the other two pyrites sites in the study area this one appears to contain all its features within a relatively compact area along the floor of the gully. Liddell's works were established after publication of the government inquiry into pyrites treatment, and may therefore have benefitted from the interest in and study of the various parts of the process, and the technology employed.

Assessed by David Bannear in February 1992 and reviewed by Peter Milner in June 1998.

Chronology

- 09.1876 □Liddell Brothers, Derwent Gully: 163ozs 4dwt obtained from 58 tons of pyrites and blanketings
- 12.1876 □R. J. Liddell and Company, Derwent Gully: 277ozs 15dwt obtained from 92 tons of pyrites and blanketings
- 03.1877 □R. J. Liddle and Company, Derwent Gully: 177ozs 19dwt obtained from 96 tons 10 hundredweight of pyrites and blanketings
- 06.1877 □R. J. Liddell and Company, Derwent Gully: 187ozs 8dwt obtained from 80 tons of pyrites and blanketings
- 09.1877 □R. J. Liddell and Company, Derwent Gully: 281ozs 6dwt 12 grains obtained from 141 tons of pyrites and blanketings
- 12.1877 □Liddell and Company, Derwent Gully: 107ozs 5dwt obtained from 82 tons of pyrites and blanketings
- 03.1878 □Liddell and Company, Derwent Gully: 141ozs 19dwt 9 grains obtained from 60 tons of pyrites and blanketings
- 06.1878 □R. J. Liddell and Company, Derwent Gully: 350ozs 18dwt obtained

from 127 tons of pyrites and blanketings

□09.1878□R. J. Liddle and Company, Derwent Gully: 505ozs 10dwt 12 grains obtained from 158 tons of pyrites and blanketings

□12.1878□R. J. Liddle and Company, Derwent Gully: 255ozs 14dwt 12 grains obtained from 120 tons of pyrites and blanketings

□03.1879□R. J. Liddle and Company, Derwent Gully: 286ozs 12dwt obtained from 157 tons of pyrites and blanketings

□06.1879□Liddell and Company, Derwent Gully: 432ozs 4dwt obtained from 218 tons of pyrites and blanketings

□09.1879□Liddell and Company, Derwent Gully: 281ozs 7dwt 12 grains obtained from 181 tons 10 hundredweight of pyrites and blanketings

□12.1879□R. J. Liddell and Company, Derwent Gully: 440ozs 17dwt obtained from 164 tons of pyrites and blanketings by roasting and grinding

□03.1880□Liddell and Company, Derwent Gully: 364ozs 2dwt obtained from 121 tons of pyrites and blanketings

□06.1880□R. J. Liddle and Company, Derwent Gully: 595ozs 1dwt obtained from 174 tons of pyrites and blanketings

□09.1880□R. J. Liddle and Company, Derwent Gully: 476ozs 3dwt obtained from 157 tons of pyrites and blanketings

□12.1880□R. J. Liddell and Company, Derwent Gully: 609ozs 19dwt 18 grains obtained from 192 tons of pyrites and blanketings

□03.1881□R. J. Liddell and Company, Derwent Gully: 152ozs 5dwt 12 grains obtained from 63 tons 10 hundredweight of pyrites and blanketings

□06.1881□R. J. Liddell and Company, Derwent Gully: 403ozs 18dwt 12 grains obtained from 143 tons of pyrites and blanketings

□09.1881□R. J. Liddell and Company, Derwent Gully: 491ozs 16dwt obtained from 164 tons of pyrites and blanketings

□12.1881□R. J. Liddle and Company, Derwent Gully: 573ozs 14dwt obtained from 196 tons 10 hundredweight of pyrites and blanketings

□03.1882□R. J. Liddle and Company, Derwent Gully: 596ozs 16dwt obtained from 164 tons of pyrites and blanketings

□06.1882□R. J. Liddell and Company, Sparrowhawk: 547ozs 7dwt obtained from 199 tons of pyrites and blanketings

□09.1882□Liddell and Company, Little Derwent Gully: 492ozs obtained from 202 tons 10 hundredweight of pyrites and blanketings

□12.1882□Liddle and Company, Derwent Gully: 459ozs 15dwt 12 grains obtained from 192 tons 10 hundredweight of pyrites and blanketings

□03.1883□Liddell and Company, Little Derwent Gully: 460ozs 3dwt 12 grains obtained from 203 tons of pyrites and blanketings

□06.1883□Liddell and Company, Little Derwent Gully: 437ozs 8dwt 12 grains obtained from 247 tons 15 hundredweight of pyrites and blanketings

□09.1883□Liddell and Company, Little Derwent Gully: 383ozs 14dwt 12 grains obtained from 193 tons of pyrites and blanketings

□12.1883□Liddell and Company, Little Derwent Gully: 435ozs 19dwt 12 grains obtained from 152 tons of pyrites and blanketings

□03.1884□Liddell and Company, Little Derwent Gully: 417ozs 5dwt 12 grains obtained from 189 tons 10 hundredweight of pyrites and blanketings

□06.1884□Liddell and Company, Little Derwent Gully: 571ozs 5dwt 12 grains obtained from 193 tons 10 hundredweight of pyrites and blanketings

□09.1884□Liddell and Company, Little Derwent Gully: 481ozs 13dwt obtained from 194 tons of pyrites and blanketings

Pyrites treatment on Bendigo

□01.1860□Mr Shiress, the chemist, of Sandhurst, is analyzing and making experiments upon the conglomerate found within Noble and Company's claim, and gives satisfactory accounts thereof. He is making use of the furnaces built by Mr Carpenter for that purpose within the claim. [1]

□12.1862□The Catherine Reef United Claimholders erected a reverberatory furnace for the treatment of pyrites. This was the first such furnace erected at Bendigo. [2]

□06.1868□The Comet Company, Redan Hill, are down 533 feet, and are cross-

cutting at 500 feet to strike the Hustlers line, which they expect to meet in a few days; they employ over 50 men in their mine. A buddle has been erected for the purpose of working their tailings, but the pyrites have not proved payable. [3]

□06.1869□H. Koch, Pioneer Works: 53ozs obtained from 15 tons of pyrites by a Brown and Stansfield concentrator, Koch reverberatory furnace and Wheeler's pan. [4]

□09.1869□H. Koch, Pioneer Works: 538ozs 10dwt obtained from 161 tons of pyrites and blanket sands. [4]

□12.1869□H. Koch, Pioneer Works, Long Gully: 628ozs 2dwt obtained from 273 tons of pyrites and blanketings by Wheeler's pans. [4]

□03.1870□Pioneer Works, Long Gully: 435ozs 13 dwt obtained from 158 tons of pyrites and blanketings. [4]

□06.1870□H. Koch, Pioneer Works, Long Gully: 483ozs 6dwt 12 grains obtained from 288 tons 10 hundredweights of pyrites and blanketings. [4]

□□The Hustler's Reef Company are having the pyrites separated from their tailings, by means of troughs, each about 12 feet in length, with an incline of half an inch to the foot. A stream of water running through carries away the light sand. The tailings are gradually dropped in with a shovel at the head of the trough, where the water enters. The pyrites separated in this way were perfectly clean. The manager of this company and Mr Carr, of the Extended Hustler's Reef Company, speak very highly of Faull's 'patent lubricator', which they believe effects a saving in fuel. [5]

□09.1870□H. Koch, Pioneer Works, Long Gully: 261ozs 11dwt obtained from 148 tons 10 hundredweights of pyrites and blanketings by roasting. [4]

□09.1870□There has been great excitement and speculation in the share market, which has subsided considerably within the last month, in consequence of speculators now having to contribute towards the expense of opening up new ground, of which more has been taken up for mining purposes than I have ever known before in the same time.

Considerably more quartz has been raised than could be crushed, partly because we have not sufficient wood. The bad state of the roads has rendered it impossible for the carters to keep up the supply, as they have now to travel a great distance to procure timber. Some have fortunately had enough fuel on hand to carry them through the wet season; but it is generally urged by the proprietors of mines that the scarcity of timber for firewood and underground workings is becoming a matter for serious consideration, and that a substitute for firewood must be obtained. The reckless cutting down of saplings is causing great complaint. A considerable quantity of coke, coal, and gas tar has been used by machine owners for firing, but coal is far too expensive at the present cost. Referring to this subject, Mr Koch, the proprietor of the Pioneer works in Long Gully, reports that 'the quantity of pyrites operated on is much smaller than usual, in consequence of the impossibility of obtaining firewood, and the cost of coal being too great to make the process remunerative.' [5]

□11.1870□A visit to Mr Koch's crushing works at Long Gully will reveal to the visitor the enterprise which is that gentleman's distinguishing characteristic. These works are daily being added to, preparatory to the great addition of some 90 stamps, which will make these crushing works the most complete and extensive, we believe, in the colony. Already a new boiler has been fitted up. The furnaces and apparatus for reducing pyrites have been very successful, and as the chimney for them was found insufficient a large new one has been built, which is a fine stack. This will enable a very strong flow of water in the condensing chamber. A new buddle, much larger, and of more elaborate construction than the one at present in use, is being erected. The centrifugal tailings pump has been placed in position, and is now in work, to the great saving of time and power. It is found to work very well. [6]

□12.1870□H. Koch, Pioneer Works, Long Gully: 709ozs 4dwt obtained from 317 tons of pyrites by reverberatory furnace and Wheeler's pans. [4]

□03.1871□H. Koch, Pioneer Works, Long Gully: 539ozs 14dwt obtained from 209 tons 16 hundredweights of pyrites and blanketings by reverberatory furnace. [4]

□06.1871□Pioneer Crushing Works, Long Gully: 760ozs 5dwt obtained from

209 tons of pyrites and blanketings by reverberatory furnace and Wheeler's pans. [4]

□09.1871□Pioneer Crushing Works, Long Gully: 911ozs 16dwt obtained from 350 tons of pyrites and blanketings by reverberatory furnace. [4]

□12.1871□Pioneer Crushing Works, Long Gully: 1161ozs 5dwt obtained from 346 tons of pyrites and blanketings. [4]

□03.1872□Pioneer Crushing Works, Long Gully: 1062ozs 18dwt obtained from 321 tons of pyrites and blanketings by reverberatory furnace. [4]

□06.1872□Two additional reverberatory furnaces, with Wheeler's amalgamating pans, have also been erected. [6]

□□United Pyrites Gold Extraction Company, Pigstye Gully: 254ozs obtained from 102 tons of pyrites and blanketings by reverberatory furnace and arastra
Pioneer Crushing Works, Long Gully: 1160ozs 14dwt obtained from 357 tons of pyrites and blanketings by reverberatory furnace and Wheeler's pans
Spargo and Company, Specimen Hill, Long Gully: 151ozs 8dwt 18 grains obtained from 58 tons of pyrites and blanketings by reverberatory furnace and Wheeler's pans. [4]

□06.1872□Two additional reverberatory furnaces have been erected, and are fully employed in roasting pyrites. Several companies use ties (strakes) for separating pyrites from tailings. [6]

□09.1872□Sandhurst and Eaglehawk Pyrites Gold Extraction Company: 72ozs 15dwt obtained from 95 tons of pyrites and blanketings by reverberatory furnace and arastra

United Pyrites Gold Extraction Company: 227ozs 10dwt obtained from 130 tons of pyrites and blanketings by reverberatory furnace and arastra

Spargo and Company: 187ozs 1dwt obtained from 87 tons of pyrites and blanketings by reverberatory furnace and Wheeler's pans

Pioneer Crushing Works: 999ozs 3dwt obtained from 311 tons of pyrites and blanketings by reverberatory furnace and Wheeler's pans. [4]

□12.1872□Sandhurst and Eaglehawk Pyrites Gold Extraction Company, Jackass Flat: 484ozs 16dwt obtained from 203 tons of pyrites and blanketings
Spargo and Company, Great Western Gully: 521ozs 18dwt obtained from 132 tons of pyrites and blanketings

Koch's Pioneer Works, Long Gully: 1045ozs of amalgam obtained from 265 tons of pyrites and blanketings. [4]

□03.1873□Sandhurst and Eaglehawk Pyrites Gold Extraction Company, Jackass Flat: 208ozs 12dwt obtained from 152 tons of pyrites and blanketings

United Pyrites Gold Extraction Company, Pinchgut Gully: 900ozs 9dwt obtained from 180 tons of pyrites and blanketings

J. P. Spargo, Great Western Gully: 507ozs 17dwt 6 grains obtained from 97 tons of pyrites and blanketings

□Koch's Pioneer Works, Long Gully: 693ozs 3dwt obtained from 251 tons of pyrites and blanketings. [4]

□06.1873□Sandhurst and Eaglehawk Pyrites Gold Extraction Company, Jackass Flat: 502ozs obtained from 224 tons of pyrites and blanketings

J. P. Spargo, Great Western Gully: 386ozs 13dwt obtained from 157 tons of pyrites and blanketings

Koch's Pioneer Works, Long Gully: 1070ozs 18dwt obtained from 210 tons of pyrites and blanketings. [4]

□09.1873□Sandhurst and Eaglehawk Pyrites Gold Extraction Company, Jackass Flat: 1082ozs 11dwt obtained from 312 tons of pyrites and blanketings

J. P. Spargo, Great Western Gully: 699ozs obtained from 298 tons of pyrites and blanketings

Koch's Pioneer Works, Long Gully: 304ozs 10dwt obtained from 112 tons of pyrites and blanketings. [4]

□12.1873□Sandhurst and Eaglehawk Pyrites Gold Extraction Company, Jackass Flat: 487ozs 3dwt obtained from 229 tons of pyrites and blanketings

J. P. Spargo, Great Western Gully: 613ozs 16dwt obtained from 279 tons of pyrites and blanketings

Koch's Pioneer Works, Long Gully: 463ozs obtained from 188 tons of pyrites and blanketings. [4]

□03.1874 □Sandhurst and Eaglehawk Pyrites Gold Extraction Company,
 Jackass Flat: 445ozs obtained from 263 tons of pyrites and blanketings by
 reverberatory furnace
 United Pyrites Company, Pinchgut Gully: 1784ozs obtained from 238 tons of
 pyrites and blanketings by reverberatory furnace
 J. P. Spargo, Specimen Hill: 1594ozs 15dwt obtained from 250 tons of pyrites
 and blanketings by reverberatory furnace
 Koch's Pioneer Works, Long Gully: 762ozs obtained from 180 tons of pyrites
 and blanketings by reverberatory furnace. [4]

□06.1874 □Sandhurst and Eaglehawk Pyrites Gold Extraction Company,
 Jackass Flat: 410ozs obtained from 239 tons of pyrites and blanketings by
 reverberatory furnace
 J. P. Spargo, Specimen Hill: 990ozs 12dwt obtained from 241 tons of pyrites
 and blanketings by reverberatory furnace
 Koch's Pioneer Works, Long Gully: 398ozs 6dwt obtained from 153 tons of
 pyrites and blanketings by reverberatory furnace. [4]

□09.1874 □Sandhurst and Eaglehawk Pyrites Gold Extraction Company,
 Jackass Flat: 596ozs 6dwt obtained from 248 tons of pyrites and blanketings by
 reverberatory furnace
 J. P. Spargo, Specimen Hill: 633ozs 7dwt obtained from 248 tons of pyrites and
 blanketings by reverberatory furnace
 Koch's Pioneer Works, Long Gully: 360ozs obtained from 166 tons of pyrites
 and blanketings by reverberatory furnace
 United Pyrites Gold Extraction Company, Pigstye Gully: 1405ozs 7dwt obtained
 from 259 tons of pyrites and blanketings by reverberatory furnace. [4]

□□Nearly 1100 tons of pyrites have been treated, yielding an average of over
 3ozs 15dwts per ton. [3]

13.12.1874 □After an investigation, extending over 18 months, the board
 appointed to inquire into the best method of treating pyrites has submitted its
 report to the Minister of Mines, by whom it was laid on the table of the
 Legislative Assembly on Wednesday evening. ...
 It has been definitely ascertained that quartz containing pyrites should be
 crushed in its raw state, but the pyrites must be roasted previous to
 amalgamation, and it is stated that the process can best be accomplished by
 means of reverberatory furnaces and inclined hearths. The best method of
 concentration has been proved to be by the use of Borlase's buddles with
 Munday's patent scrapers. Wheeler's pans and Chilian mills are pronounced to
 be very efficient for the purpose of amalgamation, but the board has been
 unable to determine their comparative saving values. ... [9, 10]

□12.1874 □Sandhurst and Eaglehawk Pyrites Gold Extraction Company,
 Jackass Flat: 681ozs obtained from 285 tons of pyrites and blanketings by
 reverberatory furnace
 United Pyrites Company, Pinchgut Gully: 2351ozs 9dwt 6 grains obtained from
 357 tons of pyrites and blanketings by reverberatory furnace
 Koch's Pioneer Works, Long Gully: 252ozs 18dwt obtained from 138 tons of
 pyrites and blanketings
 J. P. Spargo, Pinchgut Gully: 667ozs 4dwt obtained from 245 tons of pyrites and
 blanketings by reverberatory furnace
 Sandhurst Pyrites and Calcining Company, New Chum Gully: 198ozs 8dwt
 6grains obtained from 68 tons of pyrites and blanketings by reverberatory
 furnace. [4]

□03.1875 □Sandhurst and Eaglehawk Pyrites Gold Extraction Company,
 Jackass Flat: 454ozs 9dwt obtained from 213 tons of pyrites and blanketings by
 reverberatory furnace
 United Pyrites Company, Pinchgut Gully: 1165ozs 11dwt obtained from 303 tons
 of pyrites and blanketings by reverberatory furnace
 Koch's Pioneer Works, Long Gully: 200ozs 2dwt 12 grains obtained from 129
 tons of pyrites and blanketings by reverberatory furnace
 Sandhurst Pyrites and Calcining Company, New Chum Gully: 246ozs 17dwt
 obtained from 73 tons of pyrites and blanketings by reverberatory furnace
 J. P. Spargo, Great Western Gully: 794ozs 5dwt obtained from 297 tons of

pyrites and blanketings by reverberatory furnace. [4]

□□The average yield from the quartz is very good, 76,000 tons yielding over 13½dwts. and 1,000 tons of pyrites 2ozs 15dwt per ton. [3]

□□06.1875□Sandhurst and Eaglehawk Pyrites Gold Extraction Company, Jackass Flat: 459ozs 19dwt 12 grains obtained from 218 tons of pyrites and blanketings by reverberatory furnace

United Pyrites Company, Pinchgut Gully: 1226ozs 15dwt obtained from 380 tons of pyrites and blanketings by reverberatory furnace

Koch's Pioneer Works, Long Gully: 190ozs 19dwt obtained from 140 tons of pyrites and blanketings by reverberatory furnace

Sandhurst Pyrites and Calcining Company, New Chum Gully: 198ozs 16dwt obtained from 64 tons of pyrites and blanketings by reverberatory furnace

Great Western Pyrites Works, Specimen Hill: 874ozs 15dwt obtained from 447 tons of pyrites and blanketings by reverberatory furnace. [4]

□□...the richest quartz and pyrites have come from the Catherine and St Mungo Reefs at Eaglehawk, but the Pandora Company, on the Garden Gully Reef, have a very large body of stone averaging nearly 1½ozs to the ton. [3]

□□09.1875□Sandhurst Pyrites Company, New Chum Gully: 310ozs 5dwt obtained from 144 tons of pyrites and blanketings

Spargo Brothers, Great Western Gully: 725ozs 1dwt obtained from 376 tons of pyrites and blanketings

United Pyrites Gold Extraction Company, Pinchgut Gully: 891ozs 11dwt 12 grains obtained from 410 tons of pyrites and blanketings

□□Sandhurst and Eaglehawk Gold Pyrites Extraction Company, Jackass Flat: 1125ozs 12dwt 12 grains obtained from 335 tons of pyrites and blanketings

Koch's Pioneer Works, Long Gully: 137ozs 5dwt obtained from 115 tons of pyrites and blanketings. [4]

□□Two or three companies are endeavouring to erect effectual but less expensive machinery for saving pyrites, and also for beating raw quartz so as to reduce the cost of crushing. [3]

□□12.1875□Sandhurst Pyrites and Calcining Company, New Chum Gully: 209ozs 15dwt 16 grains obtained from 90 tons of pyrites and blanketings

United Pyrites Gold Extraction Company, Pinchgut Gully: 1712ozs 15dwt obtained from 506 tons of pyrites and blanketings

□□Sandhurst and Eaglehawk Gold Pyrites Extraction Company, Jackass Flat: 730ozs 2dwt 12 grains obtained from 243 tons of pyrites and blanketings

Koch's Pioneer Works, Long Gully: 78ozs 2dwt obtained from 97 tons of pyrites and blanketings

Spargo Brothers, Specimen Hill, Long Gully: 947ozs 12dwt obtained from 453 tons of pyrites and blanketings. [4]

□□The quantity of pyrites saved from tailings is increasing, and the yield of gold therefrom is considerable. [3]

□□03.1876□Sandhurst Pyrites and Calcining Company, New Chum Gully: 234ozs 15dwt obtained from 118 tons of pyrites and blanketings

Spargo Brothers, Great Western Gully: 7028ozs 15dwt obtained from 379 tons of pyrites and blanketings

United Pyrites Gold Extraction Company, Pinchgut Gully: 1147ozs obtained from 378 tons of pyrites and blanketings

□□Sandhurst and Eaglehawk Gold Pyrites Extraction Company, Jackass Flat: 662ozs 11dwt 18 grains obtained from 340 tons of pyrites and blanketings

Koch's Pioneer Works, Long Gully: 78ozs 7dwt obtained from 90 tons of pyrites and blanketings. [4]

□□06.1876□Sandhurst Pyrites and Calcining Company, New Chum Gully: 140ozs 7dwt obtained from 78 tons of pyrites and blanketings

Spargo Brothers, Great Western Gully: 902ozs 15dwt obtained from 401 tons of pyrites and blanketings

United Pyrites Gold Extraction Company, Pinchgut Gully: 1283ozs 18dwt obtained from 368 tons of pyrites and blanketings

□□Sandhurst and Eaglehawk Gold Pyrites Extraction Company, Jackass Flat: 551ozs 11dwt obtained from 549 tons of pyrites and blanketings

Koch's Pioneer Works, Long Gully: 171ozs 18dwt obtained from 88 tons of pyrites and blanketings. [4]

□□ Mining affairs in this division are in a prosperous condition - 90,000 tons raised, yielding an average of 12dwt 8 grains, and by including the gold from the pyrites taken from the same quartz, the average is nearly 13dwts. [3]

□09.1876 □ Spargo Brothers, Great Western Gully: 576ozs 5dwt obtained from 278 tons of pyrites and blanketings

United Pyrites Gold Extraction Company, Pinchgut Gully: 1796ozs 15dwt 5 grains obtained from 582 tons of pyrites and blanketings

□□ Sandhurst and Eaglehawk Gold Pyrites Extraction Company, Jackass Flat: 664ozs 5dwt 12 grains obtained from 347 tons of pyrites and blanketings

Koch's Pioneer Works, Long Gully: 133ozs 8dwt obtained from 123 tons of pyrites and blanketings

Liddell Brothers, Derwent Gully: 163ozs 4dwt obtained from 58 tons of pyrites and blanketings. [4]

□12.1876 □ Sandhurst and Eaglehawk Gold Pyrites Extraction Company, Jackass Flat: 438ozs 2dwt 3 grains obtained from 229 tons of pyrites and blanketings

Koch's Pioneer Works, Long Gully: 113ozs 13dwt obtained from 135 tons of pyrites and blanketings

United Pyrites Gold Extraction Company, Specimen Hill, Long Gully: 1104ozs 16dwt 12 grains obtained from 468 tons of pyrites and blanketings

R. J. Liddell and Company, Derwent Gully: 277ozs 15dwt obtained from 92 tons of pyrites and blanketings. [4]

□□ The Morning Light Company, in Golden Gully, last week obtained 336ozs of gold from 10 tons of dressed pyrites. [3]

□03.1877 □ Spargo Brothers, Specimen Hill, Long Gully: 447ozs obtained from 307 tons of pyrites and blanketings

United Pyrites Gold Extraction Company, Specimen Hill, Long Gully: 421ozs 17dwt 18 grains obtained from 211 tons 10 hundredweight of pyrites and blanketings

Sandhurst and Eaglehawk Gold Pyrites Extraction Company, Jackass Flat: 368ozs 15dwt obtained from 110 tons of pyrites and blanketings

Koch's Pioneer Works, Long Gully: 91ozs 12dwt obtained from 111 tons of pyrites and blanketings

R. J. Liddle and Company, Derwent Gully: 177ozs 19dwt obtained from 96 tons 10 hundredweight of pyrites and blanketings. [4]

□06.1877 □ Sandhurst and Eaglehawk Gold Pyrites Extraction Company, Jackass Flat: 270ozs 2dwt obtained from 147 tons of pyrites and blanketings

Koch's Pioneer Works, Long Gully: 72ozs 8dwt obtained from 29 tons of pyrites and blanketings

United Pyrites Gold Extraction Company, Pinchgut Gully: 955ozs 19dwt 8 grains obtained from 322 tons of pyrites and blanketings

Spargo Brothers, Great Western Gully: 467ozs 10dwt obtained from 245 tons of pyrites and blanketings

R. J. Liddell and Company, Derwent Gully: 187ozs 8dwt obtained from 80 tons of pyrites and blanketings. [4]

□09.1877 □ Sandhurst and Eaglehawk Gold Pyrites Extraction Company, Jackass Flat: 437ozs 10dwt obtained from 218 tons of pyrites and blanketings

Koch's Pioneer Works, Long Gully: 50ozs 8dwt obtained from 51 tons of pyrites and blanketings

United Pyrites Gold Extraction Company, Pinchgut Gully: 857ozs 4dwt 13 grains obtained from 354 tons of pyrites and blanketings

Spargo Brothers, Great Western Gully: 270ozs 15dwt obtained from 132 tons of pyrites and blanketings

R. J. Liddell and Company, Derwent Gully: 281ozs 6dwt 12 grains obtained from 141 tons of pyrites and blanketings. [4]

□12.1877 □ Sandhurst and Eaglehawk Gold Pyrites Extraction Company, Jackass Flat: 432ozs 7dwt obtained from 260 tons of pyrites and blanketings

Koch's Pioneer Works, Long Gully: 36ozs 12dwt obtained from 40 tons of pyrites and blanketings

United Pyrites Gold Extraction Company, Pinchgut Gully: 291ozs 5dwt 12 grains obtained from 137 tons of pyrites and blanketings
Spargo Brothers, Great Western Gully: 257ozs obtained from 142 tons of pyrites and blanketings
Liddell and Company, Derwent Gully: 107ozs 5dwt obtained from 82 tons of pyrites and blanketings. [4]
□03.1878□Sandhurst and Eaglehawk Gold Pyrites Extraction Company, Jackass Flat: 212ozs 19dwt obtained from 121 tons of pyrites and blanketings
United Pyrites Gold Extraction Company, Pinchgut Gully: 490ozs 13dwt 18 grains obtained from 194 tons of pyrites and blanketings
Spargo Brothers, Great Western Gully: 307ozs 10dwt obtained from 134 tons of pyrites and blanketings
Liddell and Company, Derwent Gully: 141ozs 19dwt 9 grains obtained from 60 tons of pyrites and blanketings. [4]
□06.1878□Sandhurst and Eaglehawk Gold Pyrites Extraction Company, Jackass Flat: 347ozs 18dwt obtained from 173 tons of pyrites and blanketings
United Pyrites Gold Extraction Company, Pinchgut Gully: 674ozs 17dwt 10 grains obtained from 349 tons of pyrites and blanketings
Spargo Brothers, Great Western Gully: 237ozs obtained from 115 tons of pyrites and blanketings
R. J. Liddell and Company, Derwent Gully: 350ozs 18dwt obtained from 127 tons of pyrites and blanketings. [4]
□09.1878□United Pyrites Company, Pinchgut Gully: 953ozs obtained from 144 tons of pyrites and blanketings
R. J. Liddle and Company, Derwent Gully: 505ozs 10dwt 12 grains obtained from 158 tons of pyrites and blanketings
Sandhurst and Eaglehawk Gold Pyrites Extraction Company, Jackass Flat: 395ozs 16dwt obtained from 198 tons of pyrites and blanketings
Spargo Brothers, Great Western Gully: 307ozs 15dwt obtained from 191 tons of pyrites and blanketings. [4]
□12.1878□United Pyrites Company, Pinchgut Gully: 1082ozs 1dwt 22 grains obtained from 283 tons of pyrites and blanketings
R. J. Liddle and Company, Derwent Gully: 255ozs 14dwt 12 grains obtained from 120 tons of pyrites and blanketings
Sandhurst and Eaglehawk Gold Pyrites Extraction Company, Jackass Flat: 475ozs 19dwt obtained from 269 tons of pyrites and blanketings. [4]
□03.1879□United Pyrites Company, Pinchgut Gully: 1048ozs 4dwt obtained from 278 tons of pyrites and blanketings
Sandhurst and Eaglehawk Gold Pyrites Extraction Company, Jackass Flat: 204ozs 6dwt obtained from 84 tons of pyrites and blanketings
R. J. Liddle and Company, Derwent Gully: 286ozs 12dwt obtained from 157 tons of pyrites and blanketings
Spargo Brothers, Great Western Gully: 415ozs 11dwt obtained from 163 tons of pyrites and blanketings. [4]
□06.1879□United Pyrites Company, Pinchgut Gully: 1049ozs obtained from 528 tons of pyrites and blanketings
Spargo Brothers, Great Western Gully: 457ozs 5dwt obtained from 232 tons of pyrites and blanketings
Liddell and Company, Derwent Gully: 432ozs 4dwt obtained from 218 tons of pyrites and blanketings. [4]
□09.1879□United Pyrites Company, Pinchgut Gully: 884ozs 16dwt 12 grains obtained from 412 tons of pyrites and blanketings
Sandhurst and Eaglehawk Gold Pyrites Extraction Company, Jackass Flat: 244ozs 4dwt obtained from 163 tons of pyrites and blanketings
Liddell and Company, Derwent Gully: 281ozs 7dwt 12 grains obtained from 181 tons 10 hundredweight of pyrites and blanketings. [4]
□12.1879□United Pyrites Company, Pinchgut Gully: 480ozs 2dwt obtained from 192 tons of pyrites and blanketings by chlorination and 432ozs 16dwt obtained from 208 tons of pyrites and blanketings by roasting and grinding
R. J. Liddell and Company, Derwent Gully: 440ozs 17dwt obtained from 164 tons of pyrites and blanketings by roasting and grinding. [4]

□03.1880□United Pyrites Company, Pinchgut Gully: 906ozs 11dwt obtained from 505 tons of pyrites and blanketings
Spargo Brothers, Great Western Gully: 527ozs 5dwt obtained from 245 tons of pyrites and blanketings
Sandhurst and Eaglehawk Gold Pyrites Extraction Company, Jackass Flat: 168ozs 8dwt obtained from 108 tons of pyrites and blanketings
Liddell and Company, Derwent Gully: 364ozs 2dwt obtained from 121 tons of pyrites and blanketings. [4]

□06.1880□United Pyrites Company, Pinchgut Gully: 773ozs 11dwt 12 grains obtained from 339 tons of pyrites and blanketings
Spargo Brothers, Great Western Gully: 427ozs 11dwt obtained from 230 tons of pyrites and blanketings
Sandhurst and Eaglehawk Gold Pyrites Extraction Company, Jackass Flat: 274ozs 10dwt obtained from 164 tons of pyrites and blanketings
R. J. Liddle and Company, Derwent Gully: 595ozs 1dwt obtained from 174 tons of pyrites and blanketings. [4]

□09.1880□United Pyrites Company, Pinchgut Gully: 350ozs 18dwt obtained from 165 tons of pyrites and blanketings
Spargo Brothers, Great Western Gully: 473ozs 13dwt obtained from 245 tons of pyrites and blanketings
Sandhurst and Eaglehawk Gold Pyrites Extraction Company, Jackass Flat: 316ozs 9dwt obtained from 225 tons of pyrites and blanketings
R. J. Liddle and Company, Derwent Gully: 476ozs 3dwt obtained from 157 tons of pyrites and blanketings. [4]

□12.1880□United Pyrites Company, Pinchgut Gully: 751ozs 14dwt obtained from 381 tons of pyrites and blanketings
Spargo Brothers, Great Western Gully: 467ozs 9dwt obtained from 219 tons of pyrites and blanketings
Sandhurst and Eaglehawk Gold Pyrites Extraction Company, Jackass Flat: 311ozs 11dwt obtained from 171 tons of pyrites and blanketings
R. J. Liddell and Company, Derwent Gully: 609ozs 19dwt 18 grains obtained from 192 tons of pyrites and blanketings. [4]

□□The deepest shafts in Sandhurst are not being further sunk, but may be shortly, as the Carlisle, North Garden Gully, and Passby United Company, on the Garden Gully Reef, have obtained 340 tons of quartz, averaging 12 dwts to the ton, at their 1,320-foot level. In addition to this, the quartz contained a large percentage of pyrites, which has not yet been treated. [3]

□03.1881□United Pyrites Company, Pinchgut Gully: 280ozs 12dwt 12 grains obtained from 130 tons of pyrites and blanketings
Spargo Brothers, Great Western Gully: 287ozs 9dwt obtained from 153 tons of pyrites and blanketings
R. J. Liddell and Company, Derwent Gully: 152ozs 5dwt 12 grains obtained from 63 tons 10 hundredweight of pyrites and blanketings. [4]

□06.1881□United Pyrites Company, Pinchgut Gully: 416ozs obtained from 192 tons of pyrites and blanketings
Spargo Brothers, Great Western Gully: 419ozs obtained from 195 tons of pyrites and blanketings
Sandhurst and Eaglehawk Gold Pyrites Extraction Company, Jackass Flat: 464ozs 2dwt obtained from 265 tons of pyrites and blanketings. [4]
R. J. Liddell and Company, Derwent Gully: 403ozs 18dwt 12 grains obtained from 143 tons of pyrites and blanketings. [4]

□09.1881□United Pyrites Company, Pinchgut Gully: 556ozs 9dwt obtained from 274 tons of pyrites and blanketings
Spargo Brothers, Great Western Gully: 463ozs 7dwt obtained from 215 tons of pyrites and blanketings
Sandhurst and Eaglehawk Gold Pyrites Extraction Company, Jackass Flat: 431ozs 16dwt obtained from 224 tons of pyrites and blanketings
R. J. Liddell and Company, Derwent Gully: 491ozs 16dwt obtained from 164 tons of pyrites and blanketings. [4]

□12.1881□United Pyrites Company, Pinchgut Gully: 714ozs 4dwt obtained from 275 tons of pyrites and blanketings

Spargo Brothers, Great Western Gully: 392ozs 12dwt obtained from 209 tons of pyrites and blanketings

Sandhurst and Eaglehawk Gold Pyrites Extraction Company, Jackass Flat: 299ozs 2dwt 12 grains obtained from 194 tons of pyrites and blanketings

R. J. Liddle and Company, Derwent Gully: 573ozs 14dwt obtained from 196 tons 10 hundredweight of pyrites and blanketings. [4]

□03.1882□ Spargo Brothers, Great Western Gully: 342ozs 71dwt obtained from 175 tons of pyrites and blanketings

Sandhurst and Eaglehawk Gold Pyrites Extraction Company, Jackass Flat: 320ozs 6dwt obtained from 176 tons of pyrites and blanketings

R. J. Liddle and Company, Derwent Gully: 596ozs 16dwt obtained from 164 tons of pyrites and blanketings. [4]

□06.1882□ United Pyrites Company, Pinchgut Gully: 591ozs 2dwt obtained from 273 tons of pyrites and blanketings

Spargo Brothers, Great Western Gully: 321ozs obtained from 153 tons of pyrites and blanketings

Sandhurst and Eaglehawk Gold Pyrites Extraction Company, Jackass Flat: 786ozs 13dwt obtained from 327 tons of pyrites and blanketings

R. J. Liddell and Company, Sparrowhawk: 547ozs 7dwt obtained from 199 tons of pyrites and blanketings. [4]

□09.1882□ United Pyrites Company, Pinchgut Gully: 971ozs 19dwt obtained from 406 tons of pyrites and blanketings

Spargo Brothers, Great Western Gully: 270ozs 7dwt obtained from 123 tons of pyrites and blanketings

Sandhurst and Eaglehawk Gold Pyrites Extraction Company, Jackass Flat: 663ozs 12dwt obtained from 287 tons of pyrites and blanketings

Liddell and Company, Little Derwent Gully: 492ozs obtained from 202 tons 10 hundredweight of pyrites and blanketings. [4]

□12.1882□ United Pyrites Company, Pinchgut Gully: 987ozs 14dwt obtained from 392 tons of pyrites and blanketings

Spargo Brothers, Great Western Gully: 317ozs 6dwt obtained from 163 tons of pyrites and blanketings

Sandhurst and Eaglehawk Gold Pyrites Extraction Company, Jackass Flat: 724ozs 2dwt obtained from 341 tons of pyrites and blanketings

Liddle and Company, Derwent Gully: 459ozs 15dwt 12 grains obtained from 192 tons 10 hundredweight of pyrites and blanketings. [4]

□03.1883□ United Pyrites Company, Pinchgut Gully: 1040ozs obtained from 425 tons of pyrites and blanketings

Spargo Brothers, Great Western Gully: 307ozs obtained from 183 tons of pyrites and blanketings

Sandhurst and Eaglehawk Gold Pyrites Extraction Company, Jackass Flat: 645ozs obtained from 326 tons of pyrites and blanketings

Liddell and Company, Little Derwent Gully: 460ozs 3dwt 12 grains obtained from 203 tons of pyrites and blanketings. [4]

□06.1883□ United Pyrites Company, Pinchgut Gully: 992ozs 12dwt obtained from 410 tons of pyrites and blanketings

Spargo Brothers, Great Western Gully: 375ozs 6dwt obtained from 213 tons of pyrites and blanketings

Liddell and Company, Little Derwent Gully: 437ozs 8dwt 12 grains obtained from 247 tons 15 hundredweight of pyrites and blanketings

Sandhurst and Eaglehawk Gold Pyrites Extraction Company, Jackass Flat: 772ozs 9dwt obtained from 432 tons of pyrites and blanketings. [4]

□09.1883□ United Pyrites Company, Pinchgut Gully: 960ozs 8dwt obtained from 420 tons of pyrites and blanketings

Spargo Brothers, Great Western Gully: 173ozs 8dwt obtained from 92 tons of pyrites and blanketings

Liddell and Company, Little Derwent Gully: 383ozs 14dwt 12 grains obtained from 193 tons of pyrites and blanketings

Sandhurst and Eaglehawk Gold Pyrites Extraction Company, Jackass Flat: 648ozs 7dwt obtained from 335 tons of pyrites and blanketings. [4]

□12.1883□ United Pyrites Company, Pinchgut Gully: 1063ozs 3dwt obtained

from 492 tons of pyrites and blanketings
Spargo Brothers, Great Western Gully: 274ozs 10dwt obtained from 130 tons of pyrites and blanketings
Liddell and Company, Little Derwent Gully: 435ozs 19dwt 12 grains obtained from 152 tons of pyrites and blanketings
Sandhurst and Eaglehawk Gold Pyrites Extraction Company, Jackass Flat: 623ozs 15dwt obtained from 388 tons of pyrites and blanketings. [4]
□03.1884□3150ozs 6dwt obtained from 1363.5 tons of pyrites and blanketings in the Sandhurst district with 1874ozs 17dwt 12 grains obtained from 774.5 tons of pyrites and blanketings in the Sandhurst division and 1275ozs 8dwt 12 grains obtained from 589 tons of pyrites and blanketings in the Eaglehawk division. [4]
United Pyrites Company, Pinchgut Gully: 1304ozs 12dwt obtained from 512 tons of pyrites and blanketings
Spargo Brothers, Great Western Gully: 153ozs obtained from 73 tons of pyrites and blanketings
Liddell and Company, Little Derwent Gully: 417ozs 5dwt 12 grains obtained from 189 tons 10 hundredweight of pyrites and blanketings
Sandhurst and Eaglehawk Gold Pyrites Extraction Company, Jackass Flat: 623ozs 15dwt obtained from 318 tons of pyrites and blanketings. [4]
□06.1884□2930ozs 19dwt 12 grains obtained from 1234 tons of pyrites and blanketings in the Sandhurst district with 1829ozs 8dwt 12 grains obtained from 708.5 tons of pyrites and blanketings in the Sandhurst division and 1101ozs 11dwt grains obtained from 525.5 tons of pyrites and blanketings in the Eaglehawk division. [4]
United Pyrites Company, Pinchgut Gully: 1050ozs 12dwt obtained from 420 tons of pyrites and blanketings
Liddell and Company, Little Derwent Gully: 571ozs 5dwt 12 grains obtained from 193 tons 10 hundredweight of pyrites and blanketings
Great Western Pyrites Company, Great Western Gully: 207ozs 11dwt obtained from 95 tons of pyrites and blanketings. [4]
□09.1884□2915ozs 15dwt obtained from 1113.5 tons of pyrites and blanketings in the Sandhurst district with 2257ozs 5dwt obtained from 802 tons of pyrites and blanketings in the Sandhurst division and 658ozs 10dwt obtained from 311 tons of pyrites and blanketings in the Eaglehawk division. [4]
United Pyrites Company, Pinchgut Gully: 1468ozs 12dwt obtained from 456 tons of pyrites and blanketings
Liddell and Company, Little Derwent Gully: 481ozs 13dwt obtained from 194 tons of pyrites and blanketings
Great Western Pyrites Company, Great Western Gully: 307ozs obtained from 152 tons of pyrites and blanketings
Sandhurst and Eaglehawk Gold Pyrites Extraction Company, Jackass Flat: 633ozs 17dwt obtained from 301 tons of pyrites and blanketings. [4]
□12.1884□3150ozs 6dwt obtained from 1363.5 tons of pyrites and blanketings in the Sandhurst district with 1874ozs 17dwt 12 grains obtained from 774.5 tons of pyrites and blanketings in the Sandhurst division and 1275ozs 8dwt 12 grains obtained from 589 tons of pyrites and blanketings in the Eaglehawk division. [4]
□03.1885□1454ozs 14dwt 12 grains obtained from 552.5 tons of pyrites and blanketings in the Sandhurst district with 418ozs 17dwt obtained from 194 tons of pyrites and blanketings in the Sandhurst division and 1035ozs 17dwt 12 grains obtained from 358.5 tons of pyrites and blanketings in the Eaglehawk division. [4]
□06.1885□1990ozs 5dwt 18 grains obtained from 875.5 tons of pyrites and blanketings in the Sandhurst district with 1012ozs 14dwt obtained from 408 tons of pyrites and blanketings in the Sandhurst division and 977ozs 11dwt 18 grains obtained from 467.5 tons of pyrites and blanketings in the Eaglehawk division. [4]
□09.1885□1437ozs 17dwt 18 grains obtained from 558 tons of pyrites and blanketings in the Sandhurst district with 335ozs 3dwt 18 grains obtained from 215.25 tons of pyrites and blanketings in the Sandhurst division and 1201ozs 14dwt obtained from 343.5 tons of pyrites and blanketings in the Eaglehawk division. [4]
□12.1885□1368ozs 1dwt 3 grains obtained from 591 tons of pyrites and

blanketings in the Sandhurst district with 576ozs 7dwt obtained from 241 tons of pyrites and blanketings in the Sandhurst division and 791ozs 14dwt obtained from 350 tons of pyrites and blanketings in the Eaglehawk division. [4]

□03.1886□992ozs 17dwt 13 grains obtained from 522 tons of pyrites and blanketings in the Sandhurst district with 344ozs 10dwt obtained from 195 tons of pyrites and blanketings in the Sandhurst division and 648ozs 13dwt obtained from 327 tons of pyrites and blanketings in the Eaglehawk division. [4]

□06.1886□1398ozs 15dwt 5 grains obtained from 585.5 tons of pyrites and blanketings in the Sandhurst district with 544ozs 18dwt 12 grains obtained from 1915 tons of pyrites and blanketings in the Sandhurst division and 853ozs 16dwt 17 grains obtained from 394.5 tons of pyrites and blanketings in the Eaglehawk division. [4]

□09.1886□1041ozs 16dwt 12 grains obtained from 776.5 tons of pyrites and blanketings in the Sandhurst district with 135ozs obtained from 65 tons of pyrites and blanketings in the Sandhurst division and 878ozs 2dwt 12 grains obtained from 369.5 tons of pyrites and blanketings in the Eaglehawk division. [4]

□12.1886□1225ozs 16dwt 8 grains obtained from 489.5 tons of pyrites and blanketings in the Sandhurst district with 391ozs 11dwt obtained from 154 tons of pyrites and blanketings in the Sandhurst division and 834ozs 5dwt 8 grains obtained from 335 tons of pyrites and blanketings in the Eaglehawk division. [4]

□03.1887□1256ozs 8dwt obtained from 461 tons of pyrites and blanketings in the Sandhurst district with 424ozs 11dwt obtained from 152 tons of pyrites and blanketings in the Sandhurst division and 831ozs 17dwt obtained from 309 tons of pyrites and blanketings in the Eaglehawk division. [4]

□06.1887□Sandhurst Division - A plant for the treatment of pyrites, by the Newbery-Vautin process, has been erected here, and the results will be awaited with interest. [3]

□□827ozs 3dwt obtained from 415 tons of pyrites and blanketings in the Sandhurst district with 234ozs 5dwt obtained from 156 tons of pyrites and blanketings in the Sandhurst division and 592ozs 18dwt obtained from 259 tons of pyrites and blanketings in the Eaglehawk division. [4]

□09.1887□1350ozs 13dwt obtained from 559.5 tons of pyrites and blanketings in the Sandhurst district with 503ozs 4dwt obtained from 217.5 tons of pyrites and blanketings in the Sandhurst division and 847ozs 9dwt obtained from 342 tons of pyrites and blanketings in the Eaglehawk division. [4]

□12.1887□1151ozs 15dwt 20 grains obtained from 538.5 tons of pyrites and blanketings in the Sandhurst district with 524ozs 7dwt 2 grains obtained from 262.5 tons of pyrites and blanketings in the Sandhurst division and 627ozs 8dwt 18 grains obtained from 276 tons of pyrites and blanketings in the Eaglehawk division. [4]

□03.1888□1498ozs 12dwt 6 grains obtained from 509.5 tons of pyrites and blanketings in the Sandhurst district with 480ozs 8dwt obtained from 154 tons of pyrites and blanketings in the Sandhurst division and 1018ozs 4dwt 6 grains obtained from 355.5 tons of pyrites and blanketings in the Eaglehawk division. [4]

□06.1888□1187ozs 11dwt obtained from 429 tons of pyrites and blanketings in the Sandhurst district with 660ozs 6dwt 12 grains obtained from 211.5 tons of pyrites and blanketings in the Sandhurst division and 527ozs 4dwt 12 grains obtained from 217.5 tons of pyrites and blanketings in the Eaglehawk division. [4]

□09.1888□1298ozs 10dwt 12 grains obtained from 913 tons of pyrites and blanketings in the Sandhurst district with 614ozs 15dwt obtained from 211 tons of pyrites and blanketings in the Sandhurst division and 778ozs 15dwt 12 grains obtained from 302 tons of pyrites and blanketings in the Eaglehawk division. [4]

□12.1888□1240ozs 4dwt obtained from 507 tons of pyrites and blanketings in the Sandhurst district with 652ozs 2dwt obtained from 295.5 tons of pyrites and blanketings in the Sandhurst division and 588ozs 2dwt obtained from 211.5 tons of pyrites and blanketings in the Eaglehawk division. [4]

□03.1889□985ozs 6dwt obtained from 426 tons of pyrites and blanketings in the Sandhurst district with 369ozs obtained from 170 tons of pyrites and blanketings in the Sandhurst division and 616ozs 6dwt obtained from 256 tons of pyrites and blanketings in the Eaglehawk division. [4]

□06.1889□1183ozs 6dwt obtained from 514 tons of pyrites and blanketings in

the Sandhurst district with 688ozs 19dwt obtained from 321 tons of pyrites and blanketings in the Sandhurst division and 494ozs 7dwt obtained from 193 tons of pyrites and blanketings in the Eaglehawk division. [4]

□09.1889□844ozs 19dwt obtained from 407 tons of pyrites and blanketings in the Sandhurst district with 598ozs 6dwt obtained from 319 tons of pyrites and blanketings in the Sandhurst division and 246ozs 13dwt obtained from 88 tons of pyrites and blanketings in the Eaglehawk division. [4]

□12.1889□1270ozs 3dwt 18 grains obtained from 545 tons of pyrites and blanketings in the Sandhurst district with 598ozs 6dwt obtained from 319.25 tons of pyrites and blanketings in the Sandhurst division and 246ozs 13dwt obtained from 88 tons of pyrites and blanketings in the Eaglehawk division. [4]

□1890□3901ozs 16dwt 12 grains obtained from 1776.5 tons of pyrites and blanketings in the Sandhurst district during the year. [7.111]

□1891□3461ozs 5dwt 22 grains obtained from 1526 tons of pyrites and blanketings in the Sandhurst district during the year. [7.106]

□1892□15,274ozs obtained from 6717 tons of pyrites and blanketings in Victoria during the year. [7.12]

□1893□14,314ozs 11dwt 4 grains obtained from 5507 tons of pyrites and blanketings in Victoria during the year. [7.12]

□1894□14,356ozs 17dwt 14 grains obtained from 5865 tons of pyrites and blanketings in Victoria during the year. [7.14]

□1895□12,497ozs 14dwt 10 grains obtained from 5181 tons of pyrites and blanketings in Victoria during the year. [8.10]

□1896□13,978ozs 8dwt obtained from 4977.5 tons of pyrites and blanketings in Victoria during the year. [8.11]

□1897□18,196ozs 12dwt obtained from 7088 tons of pyrites and blanketings in Victoria during the year. [8.10]

□1898□16,930ozs 9dwt obtained from 6534 tons of pyrites and blanketings in Victoria during the year. [8.11]

□1899□18,496ozs 6dwt obtained from 6344 tons of pyrites and blanketings in Victoria during the year. [8.11]

□1900□15,948ozs 7dwt obtained from 6105 tons of pyrites and blanketings in Victoria during the year. [8.10]

□1901□15,484ozs obtained from 6061 tons of pyrites and blanketings in Victoria during the year. [8.11]

□1902□20,812ozs obtained from 7020 tons of pyrites and blanketings in Victoria during the year. [8.14]

□1903□18,967ozs obtained from 6658 tons of pyrites and blanketings in Victoria during the year. [8.16]

□1904□16,926ozs obtained from 6246 tons of pyrites and blanketings in Victoria during the year. [8.18]

□1905□19,990ozs obtained from 7456 tons of pyrites and blanketings in Victoria during the year. [8.20]

□1906□25,832ozs obtained from 10,388 tons of pyrites and blanketings in Victoria during the year. [8.18]

□1907□18,564ozs obtained from 7839 tons of pyrites and blanketings in Victoria during the year. [7.17]

□1908□31,474ozs obtained from 15,210 tons of pyrites and blanketings in Victoria during the year. [7.15]

□1909□36,448ozs obtained from 18,505 tons of pyrites and blanketings in Victoria during the year. [7.18]

□1910□30,196ozs obtained from 16,938 tons of pyrites and blanketings in Victoria during the year. [7.18]

□1911□27,704ozs obtained from 16,271 tons of pyrites and blanketings in Victoria during the year. [7.20]

□1912□25,482ozs obtained from 14,229 tons of pyrites and blanketings in Victoria during the year. [7.18]

□1913□14,180ozs obtained from 10,453 tons of pyrites and blanketings in Victoria during the year. [7.17]

□1914□18,155ozs obtained from 9936 tons of pyrites and blanketings in Victoria during the year. [7.16]

- 1915□15,892ozs obtained from 11,402 tons of pyrites and blanketings in Victoria during the year. [7.12]
- 1916□12,371ozs obtained from 9231 tons of pyrites and blanketings in Victoria during the year. [7.5]