

	Week June 7.	Total.
La Rose .....	32.29	1,491.55
Coniagas .....	76.32	889.82
O'Brien .....	.....	263.24
Right of Way .....	.....	148.60
Chambers-Ferland .....	32.00	225.60
McKinley-Darragh .....	68.64	1,209.00
Nipissing .....	76.10	901.28
Hudson Bay .....	.....	312.62
Buffalo .....	32.80	475.52
Crown Reserve .....	.....	210.26
Cobalt Townsite .....	.....	536.78
City of Cobalt .....	.....	14.84
Trethewey .....	33.65	241.04
Colonial .....	.....	41.60
Kerr Lake .....	.....	319.66
Cobalt Lake .....	.....	207.41
Drummond .....	.....	318.77
Temiskaming .....	32.00	416.87
Beaver .....	.....	187.80
Wettlaufer .....	.....	11.21
Provincial .....	.....	22.22
Casey Cobalt .....	.....	24.50
Totals .....	389.71	8,577.77

Only two mines appeared amongst the bullion-shippers of the week, these being Nipissing and the Temiskaming. Campbell & Deyell sent out the shipment of bullion from Temiskaming ore. The shipments for the week were as follows:

	Ounces.	Value.
Nipissing .....	73,378	\$46,092.34
Temiskaming .....	2,331	1,421.91
Totals .....	75,709	\$47,514.25

The bullion shipments for the year to date are as follows:

	Ounces.	Value.
Nipissing .....	1,661,141.75	\$966,984.52
Crown Reserve .....	207,203.00	115,951.19
Temiskaming .....	2,331.00	1,421.91
O'Brien .....	88,433.01	50,964.00
Nova Scotia .....	49,010.00	31,800.00
Buffalo .....	38,938.00	22,714.54
McKinley-Darragh .....	10,327.00	6,069.37
Kerr Lake .....	7,240.25	4,381.21
Trethewey .....	5,703.60	3,238.00
City of Cobalt .....	1,618.40	1,000.00
Colonial .....	1,698.00	1,018.00
Miscellaneous .....	10,268.81	10,798.64
Totals .....	2,146,778.88	\$1,250,146.34

### EL ORO (MEXICO) FOR APRIL.

The following despatch by cable to London gives El Oro April returns:—

“Mill ran 26 days; crushed 17,810 tons of ore; tailings retreated, 15,270 tons; producing a total of U.S. \$169,340; less working expenses U.S. \$90,510; development expenses U.S. \$24,740—U.S. \$54,090. Profit from the railway for the month, U.S. \$8,420—U.S. \$62,510, or £12,502, less estimated monthly expenses, London and manager's salary, £700—£11,802. The sum of U.S. \$950 was expended during the month on permanent improvements (not included in the above expenses).”—(March profit, £11,722.)

### ECONOMIES AT THE GOLDEN HORSESHOE MINE.

By the installation of new stamps, tube mills and concentrating tables and sand vats, treatment costs have been reduced at the Golden Horseshoe mine at Kalgoorlie. In his report for last year, recently issued, Mr. J. W. Sutherland, the general manager, states that the treatment cost for 1911 was 10s. 0.27d. per ton, and he adds that “on last year's tonnage this shows a saving of £28,798; of this total £14,021 represents economy in power and £14,777 is on account of the greater efficiency of the treatment plant.” Apart from the great economy effected, the installation of new plant was necessary, as without it the tonnage treated and the development work would have had to be considerably curtailed; besides this, the company has the necessary margin of power and plant available to treat the further expected increase in tonnage raised, it having been found that the tube mills allow of crushing with a much coarser screen than was anticipated, thus increasing the capacity of the plant. The extraction last year at this mine was 85.53 per cent., excluding the gold from the re-treatment of tailings.

### SAND TREATMENT AT THE WAIHI GRAND JUNCTION.

At the Waihi Grand Junction Mine (New Zealand) the treatment of the sand by merely washing it by percolation has given such satisfactory results that two more hydraulic sizing cones are being installed, so that the whole of the sand produced can be separated and similarly treated. The percolation treatment is stated to cost 4d. per ton less than agitation and vacuum filtering, and there is an additional gain inasmuch as the vacuum filters are relieved of the filtering of the sand, and are thus free to deal with an increased tonnage of slime. The fineness of the sand averaged:—

Retained on 100 mesh.....	8.3 per cent.
Retained on 150 mesh.....	28.4 per cent.
Retained on 200 mesh.....	27.5 per cent.
Passed through 200 mesh.....	35.8 per cent.

and the battery superintendent states that percolation through it has been remarkably fast and even, the washing being almost perfect.

### QUEENSLAND GOLD RETURNS.

The following are the April gold returns of Queensland:—

	Tons crushed.	Yield in ozs.	From Copper ores, ozs.
Charters Towers .....	11,600	9,100	100
Croydon.....	1,000	1,200	...
Gympie.....	11,300	3,100	...
Mount Morgan .....	7,200	3,600	8,100
Ravenswood.....	4,100	2,800	...
Other sources* .....	3,700	1,000	1,500

\* Alluvial 200 ounces.

Total yield in ounces, 30,700. Dividends, Croydon, £1,200; Gympie, £1,000.

The following cable was sent to London, Eng., on May 14th:—

**Casey Cobalt**—Cable:—“Total length drift vein 6, approximately 220 feet, ore chute approximately 180 feet; average width is 4 inches; average value, approximately 6,000 ounces; ore bagged, 34 tons.”