

WORK IN THE TRANSVAAL GOLD MINES.

The report on the mines of the South African Republic for the second (April-June) quarter of the year, issued by the State Mining Engineer, has been published. From it the following particulars as to the work in the various districts are drawn. The total number of men employed on the mines and alluvial diggings is:

	White.	Colored.	Total
Witwatersrand	7,941	55,875	63,816
Heidelberg	378	2,568	2,946
Klerksdorp	412	2,935	3,347
De Kaap	301	2,774	3,075
Zoutpansberg	18	184	202
Pilgrim's Rest	160	1,911	2,071
Various	10	77	87
Totals	9,220	66,324	75,544

These figures show that 85 per cent. of the men are employed on the Rand, and that, on the average, there are about seven colored "boys" employed for one white man. As regards the Witwatersrand, the following are the main figures of interest, compared with the returns for the whole country:

	Rand.	Whole country.
Meters driven	31,097	43,745
Meters sunk	11,357	14,833
Tons mined	1,006,530	1,190,692
Tons crushed	1,005,478	1,088,766
Tons dry-crushed	5,488	18,120
Duty of stamps per day, tons	4,353	18,120
Tailings, tonnage	729,244	773,772
Assay value, oz.	0,288	0,282
Concentrates treated, tons	7,824	7,824
Assay value, oz.	3,112	3,112

The gold production is classed under the two heads of reef and alluvial; of the latter, for the Witwatersrand district, there is, of course, no return. The gold production of the Rand and of the whole country is classified as follows:

	Rand.	Whole country.
Dry process—Output, oz bullion	2,358	7,651
Dry process—Output per ton, oz.	0.43	0.42
Amalgamation—Output, oz.	372,409	413,023
Amalgamation—Output per ton, oz.	0.37	0.39
Tailings—Output, oz.	151,116	175,504
Tailings—Output per ton, oz.	0.21	0.23
Concentrates—Output, oz.	25,276	25,511
Concentrates—Output per ton, oz.	3.23	3.25

The total gold reported is 554,159 crude ounces for the Witwatersrand; 622,097 crude ounces for the whole of the Transvaal. The total amount of alluvial gold included in the above total was 43 ounces for De Kaap and 358 ounces for Pilgrim's Rest. The return for the treatment of concentrates concerns the Rand only; the returns being classed for cyanide and for chlorination. The two processes give the following figures for the district. By cyanide 4,433 tons were treated, the output being 8,697 ounces, or 1.96 ounce per ton; by chlorination, 3,391 tons yielded 15,725 ounces, or 4.34 ounce per ton. From the outside districts the only return of concentrates is 188 tons, assaying 9 ounces per ton from the De Kaap district.

The returns for the Siemens-Halske process, for the treatment of tailings, are also confined to the Rand district. The figures which concern this process are given as follows: Tons treated, 75,452; assay, 6.22 ounces; output, 11,648 ounces, or 0.15 ounce per ton. In this division there are also, under the sub-heading of slag, concentrates, etc., two items of output, of 1,854 ounces for the Rand, and 235 ounces for Klerksdorp, while it is also mentioned that 324 ounces were won from concentrates sent to England for treatment.

THE ALF GOLD MINING COMPANY.

Some time ago the mineral claim Alfe was purchased by W. G. Elliot and W. E. Phin, contractors of Brantford, Ontario, from W. and T. Snivel and Alexander Rogers. The Alfe is a piece of good inside property adjoining as it does the Mayflower, Hilltop and Curlew and had a very meritorious surface showing. Since it was purchased by these gentlemen it has been surveyed and has been under continuous development by E. W. Liljegren.

Meantime Messrs. Phin and Elliot have formed a strong company in Eastern Canada to take hold of the property.

The president of the company is Lloyd Harris, Esq., of Brantford, Ont., and London, Eng., and of the Massey-Harris company. Messrs. Elliot and Phin are respectively president and secretary-treasurer.

The R. J. BEALEY CO.,
LIMITED LIABILITY.

Mines, Stocks, Real Estate and Insurance

CONVEYANCING, GENERAL AGENTS, NOTARY PUBLIC.

Offices at Rossland, Trail and Nelson.

The stockholders include such names as D. J. Waterous of the Waterous Engine company, Brantford, and Robert Scott, proprietor of the Victoria Wheel Works, Galt, and J. A. Smith, broker, who are both now residents of Rossland. The brokers of the company in Rossland are Hewitt & Smith, Red Block, Columbia avenue. It is expected that Mr. Elliott will come to Rossland to reside and take general supervision of the company's affairs.

W. Liljegren, superintendent, describes the development work done and appearance of the property as follows.

"Four prospect holes, eight to ten feet deep, have been sunk along the line of one vein. We are at work now on an entirely new discovery and are down thirteen feet, some distance to the east of the old workings. The shaft shows positive evidence of a fissure vein running in an easterly and westerly direction. Only the hanging wall is in sight, which has a streak of oxidized iron, and the ground has softened in sinking. The ledge is at least five feet wide and the hanging wall rock is charged with mineral (pyrrhotites, with traces of copper) for eight feet beyond the vein matter.

"Under the hanging wall bunches of copper appear in the silicious gangue, which carries some silver. The collar of the shaft will be timbered up and a windlass erected at once and sinking will be continued at this point. Buildings will also be erected on the ground at once and a good trail has already been built from the east end of the railroad bridge to the property. The vein on which the present work is being done runs parallel with the other veins on the property. I should not be at all surprised to run into a good body of shipping ore at any moment."

SOME DIVIDEND PAYERS.

While reckless and indiscriminate investment in mining stocks is to be guarded against as being extremely likely to lead to loss and disaster, yet it is certain there is much money to be made by investing money in a judicious manner. As an indication of the sums to be made in mining operations properly conducted a compilation made by the Engineering and Mining Journal of New York is of decided interest. One hundred and thirty gold, silver, copper and lead mines in the United States, with a total capital value of \$496,785,000, have paid in dividends up to October 1, 1896, according to the paper named, the sum of \$267,920,136, or nearly 54 per cent. of their share valuation. The Calumet and Hecla copper mine of the Lake Superior country heads the list with \$46,350,000 paid to the shareholders, there being 100,000 shares of the par value of \$26. The Ontario Gold mine of Utah comes second with \$13,310,000, and the Horn Silver of the same state third, with \$5,130,000. The Homestake gold mine of South Dakota has paid \$5,993,750, the Mollie Gibson of Colorado \$4,080,000, the Granite Mountain of Montana \$12,120,000, and the Savage gold mine of Nevada, \$4,460,000. Previous to the consolidation in 1884 the California mine of Nevada had paid \$31,320,000 in dividends, and the consolidated Virginia \$42,390,000. These two properties belonged to the so-called Bonanza group. The Alaska-Treadwell gold mine has paid dividends of \$2,950,000. This property is capitalized at \$5,000,000. The average share valuation of the 130 mines is \$3,813,730, and the average dividends paid are \$2,060,924. Estimating the actual cash invested in the mines, machinery, development and operating expenses, as 25 per cent. of the share valuation, each property has cost to date \$93,432, and earned for its shareholders \$2,906,824, or \$2.07 for each dollar invested.

ROBBINS & ONG, Chas. P. Robbins
ASSAYERS AND CHEMISTS, Leo. H. Long.

PRICES FOR ASSAYING:

Copper only	\$2 00	Lead, wet assay	\$2 50	Antimony	\$5 00
Gold and Copper	2 50	Silica	2 50	Arsenic	5 00
Gold only	1 50	Iron	2 50	Nickel	10 00
Silver only	1 00	Zinc	3 00	Cobalt	10 00
Gold and Silver	2 00	Sulphur	3 00	Coal Analysis	10 00
Lead, fire assay	1 00	Aluminum	3 00		

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Leave Going North, 1:10 p.m. NORTHPORT Arrive Going South, 12:40 p.m.

Passengers for Trail creek mines connect at Northport with stages and steamer daily.

Close connection at Nelson with steamers for Kaslo and all Kootenay lake points.

Passengers for Kettle river and Boundary creek connect at Marcus with stage daily

COLUMBIA & WESTERN RAILWAY

Time Table in Effect July 1, 1896.

No. 2, PASSENGER, Daily except Sunday—	
Leaves Rossland	7:00 a. m.
Arrives at Trail	7:45 a. m.
No. 6, PASSENGER, Sunday only—	
Leaves Rossland	8:30 a. m.
Arrives at Trail	9:15 a. m.
No. 4, PASSENGER, Daily—	
Leaves Rossland	3:00 p. m.
Arrives at Trail	4:00 p. m.
No. 3, PASSENGER, Daily except Sunday—	
Leaves Trail	10:30 a. m.
Arrives at Rossland	11:30 a. m.
No. 1, PASSENGER, Daily—	
Leaves Trail	5:00 p. m.
Arrives at Rossland	5:45 p. m.
No. 5, PASSENGER, Sunday only—	
Leaves Trail	11:00 a. m.
Arrives at Rossland	11:45 a. m.
Connection made at Trail with ALL STEAMERS, both up and down the Columbia river.	
For freight rates and further particulars, write to	
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