

first and third levels of the old shaft, which are somewhat lower in value.

We will commence sinking the main shaft within a week. Smelting.—As previously mentioned, the ore smelted during July was small compared to the capacity of the plant, owing to the shortage of coke in consequence of labour troubles at Crow's Nest Pass (now settled). We, however, produced and shipped 30 carloads of matte, containing \$330,000. This was due to the high grade of the ore treated.

No. 1 furnace is in shape to blow at any time. It is practically a new furnace. Furnace No. 3 has been thoroughly overhauled, and we are now putting Nos. 2 and 5 in good condition. We have taken out the bottoms of Nos. 1, 2 and 3, and from the numerous samples taken I estimate the metal values contained in the three at \$45,000. I intend to take out the bottoms of Nos. 4 and 5. The latter is supposed to be very rich, owing to the large quantity of furnace bottoms which were fed into it at the clean up made during the time of the late labour troubles. I consider it a waste of time and money to recharge this rich material into the furnaces, as it immediately goes to the bottom, where the greater part of it remains.

I am erecting a small reverberatory furnace that will treat bottoms very cheaply. It will make a rich matte that can be carefully sampled and readily sold in New York. The total cost of this furnace will not exceed \$1,500. I expect to be able to ship the rich product now tied up in furnace bottoms about the middle of September.

CARIBOO GOLD FIELDS.—The Cariboo Gold Fields, Limited, has so far this season made a modest output, which is stated by the managers to be satisfactory under all the circumstances of the cases. A parcel of 308 ounces of gold was, the other day, sent to the Bank, and the season's yield in all to date—with some more to come—approaches \$15,000 in value. Meanwhile the Waverley mine cleared up 243 ounces on the 5th September, and will have another clean-up shortly, ere the season closes. These yields of the above mines are of course only to be regarded as in the nature of preliminary yields and auguries of much greater results expected in the future.

SLOUGH CREEK, CARIBOO.—Sir J. Bevan Edwards cabled the directors from Barkerville on the 29th ult.: "I have finished visit; the general results of my inspection are very satisfactory; shall leave to-morrow for Victoria; the necessary development works have been very cautiously carried out; to my mind it is absolutely necessary, considering all circumstances; we may expect to be in channel any moment; gravel now in face of upper part of crosscut; there are no special difficulties in the way with regard to water; I fully believe there is a splendid future for the property, which there is every appearance should pay from the date of entering channel and getting gravel; I expect to reach England at the beginning of October."

YMR.—Cablegram from the company's manager at Nelson, B.C., dated 11th September:—"During last month 50 stamps ran 620 hours (25 days 20 hours). Estimated profit on operating, \$113 (£23). Above was arrived at after development, \$2,242 (£462). Bush fire, \$4,485 (£924); repairs, \$800 (£164), written off."

TRADE NOTICES, CIRCULARS AND CATALOGUES.

A DENVER FIRM OF ASSAYERS.

THE OGDEN ASSAY CO., whose office address for many years has been 1429 16th St., Denver, have removed to more convenient and centrally located quarters at 1725 Arapahoe St., of that place. The firm is well known to mining men and prospectors throughout the mining regions of the United States, British Columbia and Mexico, they having advertised continuously for a number of years in this and many other mining publications.

THE TRENTON IRON CO.'S SAN FRANCISCO AGENCY.

We regret to learn of the death, which occurred recently, of Mr. Newton M. Bell, for some time representative of the Trenton Iron Co., in San Francisco. Mr. Bell's successor has not yet been appointed.

JEFFREY WATER ELEVATORS.

An illustrated catalogue and price list of water elevators, manufactured by the Jeffrey Manufacturing Co., Columbus, Ohio. These elevators are operated by horse-power, while a special design is made to float on water and is driven by the current.

KLEIN'S COMBINATION CLASSIFIER.

The Allis-Chalmers Co., Chicago, Ill., publish a pamphlet describing this machine. The Klein classifier embodies a new principle, viz.: the use of compressed air with the water to effect the sizing, thus greatly reducing the quantity of water as a rule required. It is a well recognized fact that to obtain good results in concentration, a very careful, complete and accurate sizing of the material must be made. It is also necessary to make a complete separation of the slimes from each sizing as they invariably contain considerable values which if mixed with coarser material would be lost. This, it is claimed, can be accomplished by the Klein Combination Classifier without any difficulty, thus permitting separate treatment of the slimes mixed with a minimum quantity of water.

COAL EXPORTATIONS AND TRADE.

EXPORTATIONS from Vancouver Island collieries during the month of August were as follows:—

	Tons.
New Vancouver Coal Co.	24,061
Ladysmith	26,396
	50,457

The San Francisco market remains unchanged. Mr. Harrison, the coal and metal broker, of that place, estimates in a recent report that shipments from Australia this year can hardly exceed 25,000 tons, and remarks that this is an exceptionally small amount, yet it will not lead to any disturbance of values, as the Coast collieries can more than make good any shortage in the deliveries of foreign grades. Prices remain unchanged, and judging from the activity of teamsters on the water front, sales must be fairly large. There seems to be no evidence of any immediate settlement of the coal strike in the East, but as we receive small quantities from there, ninety per cent. of which is for black-smith uses, our price for eastern coals are varied but little. It may probably effect the value of Cumberland coal some few months hence, as some of the future cargoes of Cumberland must be loaded with high cost coal.

MINING STOCK MARKET.

(Specially Reported.)

THE market during September has been steady, but featureless. Centre Star has been freely dealt in at from 40 to 41 and War Eagle at 19 to 19½. Payne has been in considerable demand recently at 15½ to 16. American Boy has been active at 5½ to 6, as also Cariboo McKinney at 20 to 22 with Western buyers and a considerable advance is expected shortly. Large blocks of Fairview shares have sold at 8 to 8½. The North Star company has paid a third quarterly dividend of 1½ cents, but there has been no appearance of a rise in share prices, sales having taken place at from 19 to 20. Waterloo has been in demand at 3 cents. Republic stocks have slumped badly, being quoted at 8 to 9 cents; Mountain Lion at 18, Lone Pine at 3¼ to 4.

THE METAL MARKET.

THE feature of the month has been the improvement in copper. The market for some time has been very depressed, on account, it is said, of the uncertainty as to the statistical position of the metal. The recent publication of these returns has shown that the accumulations at the beginning of the year have been absorbed and that the present stock is nominal. In consequence there has been large buyings, resulting in noticeable appreciation of prices. This was afterwards followed, however, by a reaction. Late copper at last account is quoted at 11¾@11¾; electrolytic in cakes, wirebars and ingots at 11½@11½; cathodes at 11¼@11¾, and casting copper 11½.

The silver market continues dull, but steady. Prices are stationary at under 52. Lead is reported from St. Louis as being firm and in fairly good demand. There is, however, little change in prices, which are quoted at 4.00@4.05. St. Louis; 4.05@4.10. New York. The London market has gained somewhat in strength since last month. Spanish lead is quoted at £10 18s. 0d. to £11. Spelter is firm at 5¼. St. Louis; 5½ New York.