

energy. Its coal mines can thus supply immediate steam requirements also when called upon.

"Altogether, the story is an illuminating commentary on how dependent the metallurgical industry of British Columbia is upon the coal mining industry, and how one company—the largest in its copper field—proposes to arrange to secure, if possible, an uninterrupted flow of coke for its extensive reduction works."

The Canada Copper Company, owner of the British Columbia Copper Company, is being financed to build a concentrating mill of 3,000 tons daily capacity at the outset instead of an initial unit of 1,000 tons daily, as was contemplated, says a New York report. The cost of the plant, to be situated at Copper Mountain, near Princeton, B. C., and its contributory departments will be in the neighborhood of \$2,000,000, according to the same source of information. The improvements include an adequate hydro-electric power installation and a 12-mile railroad spur from Princeton, B. C. The expenditure in development of the Copper Mountain mine was \$396,000 up to July 1.

Decision to build a mill of 3,000 tons capacity was encouraged by results obtained in a flotation test mill of 50 tons daily capacity on the Copper Mountain property.

Oscar Lachmund, general manager, recently said the mine obtained 10,000,000 tons of reasonably assured ore and 2,000,000 tons of probable ore, according to the measurement of engineers. This tonnage estimate has been confirmed by engineers employed to make an independent survey, according to official statement. It has been stated repeatedly that the average content is 1.74 per cent. copper and a small quantity of recoverable silver and gold.

These ore reserves have a net value of \$54,810,000, according to a New York publication. This valuation is based on a 25-cent copper market, a cost of 9½ cents a pound for production, and an extraction of 90 per cent., it is stated.

A deal has been closed by which the Nelson Mining & Development Company takes over the Lost Cabin mineral claims. The first payment has been made to the owners, Ernest Ballinger and George Smith. Development work probably will be commenced soon.

The claims are located about two miles east of Hall station. The ore is said to be high grade silver-lead and gold.

R. A. Grimes, representing prairie capitalists, closed a deal recently for the purchase of the well known and famous Dunvegan mines, situated at the head waters of Fish River and about 10 miles from the main line of the C. P. R. east of Revelstoke. The Dunvegan was owned by Thomas Bain, of Revelstoke, and R. J. Kirkwood, of New Denver, formerly of Revelstoke. Officials of the Nash organization, wholesalers on the prairies, are the purchasers, and are represented by Mr. Grimes in the transaction. A company has been formed to be known as the Dunvegan Mining Co., Ltd., with a capitalization of \$250,000. The property will be operated under company management. Already Mr. Grimes has under way the opening up of the trail for the transportation of supplies for the crew of miners who will be put to work developing the property this winter.

The Dunvegan lead is fully 20 feet wide with a pay ore shoot of four feet wide. Assays taken from across the four feet of ore gave return of \$266.95 per ton, being 70.9 per cent. lead and 94.4 oz. of silver to the ton.

Besides the silver-lead ore bodies there is a defined

body of high grade zinc ore, which has, however, received very little attention during former development.

A despatch from Ladysmith under date of August 13th states that the official opening of the Ladysmith smelter took place this morning, when several furnaces were blown in. The smelter has a capacity of 1,200 tons per day. For the present about 700 tons will be handled daily. California ore with sulphur contents will be utilized in connection with the treatment of customs ores from Alaska, the Queen Charlottes, Vancouver Island, Hazelton and the southern Interior. Large shipments of copper have already been received. Rossland, Ashcroft and Agassiz are among the southern Interior sources of supply.

Work has been started at the Silver Standard mine at Hazelton for the installation of a concentrator to handle the ore that has been developed.

Checks are being drawn for the payment of another 25 per cent. of the claims of the unsecured creditors of the Lucky Jim mine, announced A. G. Larson, receiver for the property. Some months ago 25 per cent. was paid off, the present disbursement bringing the total to 50 per cent. With the first mortgage and interest the amount paid off since Mr. Larson took charge under an order of the British Columbia courts is near \$50,000.

Lucky Jim ore is being milled at the Davys concentrator at Kaslo, where one shift is being operated. A second shift is to be put on soon. Both the wet end of the plant and the magnetic separator are being worked. The saving that is being effected shows an improvement over former runs. It is expected that the flotation plant will shortly be in operation.

What may possibly result in the opening up of commercial deposits of manganese ore appears to have been started up near here, as a result of the efforts put forth by Mr. A. J. Curle in a search for that mineral, says the Kaslo Kootenaiian.

Mr. Curle has advanced his work so far as to make shipments of local manganese ore a possibility within the next 30 days, and his prospecting has led him to hope that the deposits will prove of great value.

Following work which has been under way since early spring, Mr. Curle was able to make a definite announcement regarding what has been found this week, and stated that he has from 1,500 to 3,000 tons of commercially valuable manganese ore in sight, and that he moreover has contracts calling for the delivery of 1,000 tons to the Bilrowe Alloys Company of Tacoma, Wash. This firm is pressing him to have shipments started at the earliest possible date.

The manganese deposits lie along the Kaslo-Nakusp line, six miles from Kaslo, and one mile above the South Fork, and were first noted by Mr. Curle some nine years ago. The value of the mineral at that time was not sufficient to render the find of any great value except as a mineral curiosity.

Careful prospecting of the ground in the spring led to the staking of five claims, three in the name of Mr. Curle, and two of them are owned jointly between him and A. R. Heyland.

The values are said to be very good. Average assays are stated to be 42 per cent. manganese, with scarcely any of the detriments usually associated with this class of ore, which renders it extremely desirable from the standpoint of the firms who are in the market for it.

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