

SPECIAL CORRESPONDENCE

COBALT AND PORCUPINE.

Mining Corporation's New Plant.

The big high grade plant of the Mining Corporation of Canada (Cobalt Reduction Co.), at Cobalt, is running smoothly, and from early this month the concentrates will be treated in the new mill with the high grade ores from the mines of the company. All future shipments will be in the form of bullion and will be shipped to London. The new plant differs somewhat from that of the two other high grade plants in the camp in that amalgamation plays no part in the process. The ore is first slimed in a tube mill and after passing through two stages is dewatered and washed on an Oliver filter, then given a cyanide treatment and again filtered on a second Oliver. The silver is precipitated from the solution by means of a sodium sulphide. The silver sulphide is de-sulphurized by aluminum and refined in reverberatory furnaces to a high grade bullion which is cast into bars ready for shipment.

Sinking on Black Claim.

A contract has been let to sink the shaft on the Black Claim at Kirkland Lake from the 50 ft. to the 100 ft. level, and work is now under way. The Black Claim was recently optioned by Mr. Frank L. Cohen and associates of Buffalo. Should the work at present going on prove satisfactory it is understood that a small electrically driven plant will be installed early in the summer and further work done.

Schumacher.

Upwards of one thousand feet of diamond drilling was done during the month of February on the Schumacher property at Porcupine which compares with an average of between six and seven hundred feet per month for the past six months. All this work has been very favorable and a number of important ore-bodies and veins have been discovered. Working at the 200-ft. level of the No. 4 shaft a diamond drill encountered a vein which proved to be seventeen feet in width, while on the surface the same vein had a width of sixteen feet. This vein has also been cut about 75 ft. west of this working and was found to be eleven feet in width. This block of ore which has been definitely proven in the mine adds approximately eighty thousand tons to the company's reserves. Schumacher ore runs around six dollars per ton, therefore the new orebody will add materially to the proven intrinsic value of the mine.

La Rose.

According to the information received here last week it is understood the La Rose Mining Company, which had an option on the Maidens-McDonald claims in Deloro township, is not going to exercise their option on this property.

Tough-Oakes.

The Tough-Oakes Mining Company's report for the year ending Dec. 31st, 1916, shows the company to have mined 39,863 tons of ore from which was extracted \$707,114. Ore averaged \$17.85 per ton; milling costs, \$2.43, and mining costs, \$4 per ton; net profit was \$260,668. Development for the year consisted of 9,437 ft. and was confined chiefly to veins Nos. 2, 3, and 6. Experimental work on the flotation process so far has not resulted in anything definite being determined upon, but work will be continued with the hope of finding a process which will result in a material

reduction of the costs of treatment. The Charlton Power Company from which the Tough-Oakes obtained its power supply has closed down and the company is now using entirely electric power recently made available in the Kirkland Lake district by the Northern Ontario Light and Power Company, and will have sufficient power for all the future requirements of the mine.

Wright Porcupine Mines.

The Wright-Fernerer-Williamson claims in Deloro township, about two miles south from the Tisdale line, have been purchased and will be operated by a company known as the Wright Porcupine Mines, Ltd. A number of promising veins have been uncovered on the eighty acres of ground owned by the company. Camp buildings have been erected and an up-to-date plant installed. The main shaft has reached a depth of ninety ft., and the vein which was thirty ft. wide on the surface has widened out to thirty-five ft. at this depth. The shaft will be continued to the 300 ft. level and will be a two compartment shaft. At the three hundred ft. level lateral work will be carried on, and it is also the intention of the company to explore their property at every hundred ft. level.

Increasing Power Plant.

The Northern Ontario Power Company is increasing the capacity of its power plant at Wawaitin Falls. The present capacity of the plant is something like 8,000 h.p., and the company is now working on the installation of a 2,500 h.p. unit, which will be followed by another of the same size within the next few months.

A dam is to be built across the Red Sucker river at a point a short distance below the mouth of Cripple creek, to divert these two streams into the Matagami, which will greatly increase the volume of water flowing over the company's turbines at Wawaitin.

Porcupine Crown.

The work of installing the plant on the Hennessey claims in Deloro township, about three and a half miles from Timmins will be commenced shortly. These claims are under option to the Porcupine Crown Mining Company at a large figure, and the work of erecting camp buildings of all kinds is now about completed. The Hennessey is located on the contact between a rusty schist and Keewatin greenstones, which runs northeast through Deloro township and is situated less than a mile from the Hayden mines. Satisfactory results are being encountered at the 300-ft. level of the Hayden mines.

Gold Reef.

The Porcupine Gold Reef is working at the present time on a narrow but very rich vein, and stoping is now being carried on about fifty feet from the surface and one hundred ft. of lateral work has also been done on the property. The work is being done by the rather slow process of hand drilling. The management expects to ship a small amount of ore about May 1st.

Murray-Mowgridge.

About sixteen men are engaged at the Murray-Mowgridge, situated at Wolfe lake, about three miles from Bourkes' siding, and the machinery for the plant is expected to arrive any day now. Comfortable camp buildings have been built for the men and also office quarters for the office staff. Development work has been going on in the south shaft during the winter, and it is reported that very favorable results have been obtained.