

for 350 ft., and was found to be more than 20 ft. wide, almost all quartz, but generally completely leached out. Where not deprived of its mineralization by leaching, stringers of ore showed high value, samples assaying gold 1.9 oz. and silver 264.1 oz. to the ton. As the depth of the low level adit now being driven is approximately 700 ft. below the surface, there is little likelihood of leaching having taken place so deep as that. The distance yet to be driven is estimated at 250 to 400 ft., according to the dip of the vein, which is not known—if 60 deg. then 400 ft., but if only 55 deg. about 250 ft. At present, ventilation not being good, only one shift is employed at the face of the main adit. Two shifts are driving about 4 ft. a day in the Lucky Boy drift on No. 1 vein, in which is the most promising showing yet found to the north of the main crosscut. Scattered mineralization occurs throughout this drift, and in one part there was exposed 6 in. of solid galena and pyrite of fair grade. Further extension of this drift will be the shortest course to ore known to exist in the property of the Glacier Creek Mining Co. and of the Stewart Mining and Development Co. No work is being done at present in the Melba drift, which extends 238 ft. south from the main crosscut, on No. 2 vein, into the Melba claim, owned by the Tunnels Co. This vein is remarkably strong and regular, is about 40 ft. wide, and consists of argillite breccia, with a large proportion of quartz and a scattered mineralization of pyrite and pyrrhotite. Apart from its lack of mineralization, this vein is the best showing in the mine, and a large ore shoot may reasonably be expected when ore shall "make" in it. The Richard drift is in the Portland Canal Mining Co.'s Richard II. claim. It is on No. 3 vein and extends 141 ft. south from the main crosscut; it shows ore all the way, and at one place there is a width of 10 in. of solid galena and pyrite lying on 30 in. of mineralized porphyry. Some chalcopyrite was found—the first in these workings and unusual in the "fissure zone." The vein is 3 to 4 ft. wide, and it persistently follows a porphyry dike. Samples of fairly clean ore from this drift assayed as follows: Selected copper ore: Gold 0.16 oz. and silver 16.6 oz. to the ton and copper 7.5 per cent. Selected lead ore: Gold 0.04 oz. and silver 28.8 to the ton, and lead 46.7 per cent. The three veins—Nos. 1, 2 and 3—approach each other on their southerly course; taking the courses as now shown by the various workings, Nos. 1 and 2 will join at about 450 ft. south from the present face of the Melba drift, and No. 3 approximately 500 ft. beyond that. Generally, the outlook is regarded as encouraging, both as regards developments in the mine and for financing operations throughout the ensuing summer.

## PORCUPINE, KIRKLAND LAKE AND MUNRO TOWNSHIP

**Reaume.**—Considerable interest has been aroused by the discovery in Reaume township, about seven miles from the Transcontinental railway and about 20 miles north of Porcupine, of an ore body containing microscopic diamonds, chrome iron ore and about \$1.50 a ton in platinum. The specimen which has been submitted to a thorough examination, was taken from an ore body on Mr. O'Connor's claims. This is the first authentic discovery of diamonds in the Province, and although the diamonds are of absolutely no economic importance, it confirms the opinion that geologists have long entertained that some day economic diamonds will be found in the great and for the most part

unexplored portion of Northern Ontario. The rock in which the ore was found is peridotite and weathers readily to serpentine, and is widespread and near the Porcupine area. There are not many exposures of rock in Reaume township, so that so far it has been considered an agricultural rather than mineral bearing township.

**Ogden.**—The compressor plant at the Lally gold mines in Ogden township was turned over for the first time this month. The shaft has reached a depth of 50 ft. and diamond drilling is in progress.

**Vipond.**—The Vipond mine is working again. A new company, to be called the Porcupine Vipond Mines, Limited, with a capitalization of \$1,500,000, has been formed. Of this 750,000 shares will be issued to the old shareholders at the ratio of 8 shares of the old company for 3 shares of the new. Of the remainder of the stock 450,000 shares will be left in the treasury and 300,000 will be offered to present shareholders.

**Dome.**—The extension to the Dome mill will be completed by the end of the present month, and the 80 stamps should be dropping. The main shaft is now down 90 ft. below the 424 ft. level, and will be carried down to 525 ft. before a station is cut. Costs, which are now running between \$3 and \$3.50 a ton, will be cut down materially when the addition to the present mill is in operation.

## COBALT, GOWGANDA, SOUTH LORRAIN

**Crown Reserve.**—The decision of the Privy Council in London last week settled finally a famous law suit, which has engaged the attention of Crown Reserve shareholders for six years, or since the Crown Reserve showed any promise of developing into a mine. The suit was brought by several original members of the syndicate, among them Messrs. Fowler, Ross, John Black and others, to recover 231,000 shares of Crown Reserve stock. As altogether \$70,000 had been paid in dividends upon these shares, the suit was one of considerable dimensions. It has been fought from court to court in Canada, and was finally taken over the seas, where the decisions of the Canadian courts were ratified by the conclusion that the plaintiffs had failed to make good their case against the Crown Reserve Mining Company. The plaintiffs will also have to pay the heavy costs of the proceedings.

**Coniagas.**—The Coniagas Mining Co. has received permission from the town of Cobalt to run a trestle across Silver street, so that they may dump rock from a shaft in the centre of the town on to some land rendered vacant by a recent fire. The matter has aroused a good deal of interest, owing to the fact that the proposed location of the shaft is right in the centre of the town, and the rock will have to be dumped on to ground already occupied by various dwellings. The proposed shaft, which was sunk to the 50 ft. level about three years ago, is on the west side of Silver street, and it is proposed to carry the rock over to the other side, where it will not cause so much damage to existing property. The intention and aim of the work from the new shaft is to explore the ground under this portion of the town, and with the specific intention of cutting the vein or veins found on the City of Cobalt near the Coniagas boundary.

**Peterson Lake Mining Co.** has declared its maiden dividend of  $1\frac{3}{4}$  per cent., payable quarterly, or 7 per cent. a year. On the outstanding capital of the company this will amount to \$42,032 a quarter, or \$168,128 a year, an amount which the Peterson Lake should