

Copper, lead, zinc, iron, and molybdenum sulphides occur with the gold in the quartz-veins, but not in amounts of economic value. The auriferous territory is estimated to cover 3000 square miles, and as the annual production of gold is only about 23,000 ounces, there is an ample opening for miners.

*Laurentian.*—This series is widely distributed in Cape Breton, and roughly speaking is divisible into the felsite and the limestone series. They contain red hematite, in places magnetic, of excellent quality, although some are reported to be rather high in phosphorus for Bessemer purposes. Copper-ores, graphite, asbestos and mica are also found. The limestones are frequently altered into marbles. Some of the deposits are beautifully tinted, and are said to be adapted for building and statuary purposes. At present the West Bay (Cape Breton) marble is largely burned into a lime of excellent quality, which is used in the province, and exported to the United States, etc. To complete the parallel between these Cape Breton strata and the Laurentian rocks of the vicinity of Ottawa, there remains to be discovered in the former "Phosphate Rock," and there appears to be no reason for its absence.

Copper ores are found at numerous points and are undoubtedly valuable as they are widespread and at the surface show well, but up to this date no decided steps for development have been made except in the case of the copper-ores of Coxheath, near Sydney. Here the Eastern Development Company have proved several large veins carrying copper in workable amounts to a depth of 300 feet. The ore is calcopyrite with erubescite, and carries considerable amounts of gold and silver. Molybdenite also occurs in small disseminated grains and nodules at several points, and a few lots have been shipped to England.

In summing up these brief notes it may be said that the visitor to the province would place the minerals, irrespective of any development effected, in the following order: Coal, Iron, Gold. It is perhaps unusual to find these three so close together.