

## Mining

**ARSENIC.** Refined arsenic is produced at the works of the Deloro Mining and Reduction Co., Deloro; the Coniagas Reduction Co., Thorold; the Canada Refining and Smelting Co., Orillia, and the Canadian Copper Co., Copper Cliff, from the silver-cobalt ores of the Cobalt district. Arsenical ore is also found in the Temagami district.

**CEMENT.** The demand for Portland Cement is rapidly increasing. Beginning in 1891, the production has increased from 2,033 barrels, valued at \$5,082, to 3,010,849 barrels in 1911, worth \$3,640,642, with average cost of barrel at \$1.21 in 1909. Hitherto, marl has generally been used as one of the ingredients, but solid limestone of suitable composition is now taking its place. Write for Bulletin on Cement to Dept. Mines, Ottawa.

**CLAY.** All the decorative brick, terra cotta, roofing, tile, and sewer pipe made in the province, is made from the Hudson River, Medina and Devonian Shales, which occur about Toronto, Hamilton, Beamsville, Milton, Brampton and Thedford. The Erie clay, which is widespread, yields a good class of white brick. An upper weathered band of this clay makes good red brick. Brick-making clays are abundant throughout the province.

**COBALT.** The mineral occurs abundantly in the silver ores of Coleman Township (see under "Silver"). The chief use of cobalt is in the form of the oxide to produce the beautiful color known as cobalt blue. The Deloro Mining and Reduction Co., Deloro, and the Coniagas Reduction Co., Thorold, both manufacture, among other articles, cobalt oxide.

**COPPER.** The chief source is the nickel copper mines (see Ontario Nickel), but the sulphide deposits on the north shore of Lake Huron, which do not carry nickel, are of potential importance.

**CORUNDUM.** Ontario has large deposits of corundum. The mineral is found in Renfrew and Hastings Counties. The Manufacturers' Corundum Company at Craigmont works these deposits.

**FELDSPAR.** Quarries in Frontenac County are operated by Messrs. J. Richardson & Sons, Kingston, and McDonald Feldspar Company. The product is shipped to New Jersey and Ohio factories, for making enamelled ware. Total output in 1911 was 17,697 tons, valued at \$51,610. Workmen employed, 76; wages paid, \$26,850.