

remainder in glass works, and for the production of fluoric acid and other chemicals. In the States fluoric acid to the extent of 6,000 tons, valued at \$3.00 per ton, is produced as a by-product from the manufacture of cryolite into various sodium salts, alum, aluminium, etc.

Galena occurs in limestone near the head of Arichat harbor, and has been prospected several times. The ore carries small amounts of gold and, I am informed, up to ten ounces of silver.

Barytes occur in small quantities near McMillan's Point, on the Strait of Canso.

So far, the Devonian rocks of Cape Breton have shown the greatest mineral value in iron ore, and inferentially it may be expected that future valuable discoveries will be made. In strata of this age in Annapolis County are known the valuable bedded hematites, sometimes altered into magnetites, of Clementsport and the Nictaux district. So far, similar deposits have not been met in the counterpart of these rocks in Cape Breton. In Guysboro' County, however, important deposits have been opened, and their mode of occurrence has a direct bearing upon the probable ore-yielding localities on the opposite side of the Strait of Canso. At Erinville is a large and important deposit of specular ore. Some years ago a test was made of the extent of this deposit. A shaft was sunk in the ore fifty feet, and a tunnel driven, exposing a body of ore sixty-five feet wide; another bed in the vicinity was twelve feet wide. The ore is fairly compact, running from 55 to 62 per cent. of metallic iron, and very low in phosphorus, and not holding above the amount of sulphur usually found in ore of this character. The walls of the veins are composed of greenish, dioritic, felspathic, trappean, brecciated rock. About a mile further west, promising indications of ore have been found in altered slates, and shales with quartz. In the vicinity are large masses of dark gray trap, in contact with conglomerate. On the seashore, near the east side of the mouth of Milford Haven, are large beds of altered clay slates, veined with calcespar and quartz, and penetrated by dioritic rocks. Veins of ore up to two feet in thickness, of the compact specular variety, have been opened here and worked to a small extent.