

rich quality, occur at several places in Pictou County, particularly at East River, West River, and Carribou. A specimen from the latter place was found, on analysis, to contain 40 per cent of copper. Ores of the same description have been found, at Minudie, in Cumberland, and near Tatamagouche, in Colchester County.

Virgin copper is found, in grains and in masses in the fissures of the trap rock at Five Islands, Cape D'Or, and at several other points in the trap district.

*Galena*, or sulphuret of *Lead*, occurs at Gay's River the boundary between Halifax and Colchester Counties; also at Guysborough and several other places. At Gay's River it is associated with *silver*. That particular part of the country where this ore is found is still covered for the most part with forests; and little pains have been taken to ascertain the extent, or discover the most valuable deposit of it. From the indications already observed, it is quite probable that, upon a careful examination of the neighbourhood by competent parties, such a deposit will be discovered, of great value, with reference either to the lead or silver contained in it, and perhaps with reference to both.

*Manganese* ores are found in several parts of Pictou County; also at Cheverie, Walton, and Rawdon, in Hants County, on the banks of the Shubenacadie, at Parrsboro, and at Cornwallis. Small quantities of it are occasionally shipped from Walton alone.

The mineral substances which may be classed as *Precious Stones*, are confined mostly to the trap districts. They comprise articles applicable to jewellery and ornamental purposes; and also a great variety of substances of interest to mineralogists as specimens of the minerals formed in volcanic rocks. Nova Scotia has become widely celebrated among scientific men for the abundance and variety of these specimens, and the facility with which they may be procured. Many of them are very beautiful; and several of those useful for ornamental purposes are so plentiful and so easily obtained as to be quite worthy of attention in an economic point of view. These minerals are found in the rocks throughout the whole Trap district; but are most sought after among the cliffs of Cape Blomidon, Cape D'Or, Partridge Island and other points on the shore of Minas Channel and its vicinity. At those places the action of the winter frosts upon the exposed face of the cliffs is such that, every spring, great "avalanches," or land slides take place, and the finely crystallised and beautiful minerals are then found in profusion among the fragmentary rocks scattered upon the shelving beach. Fine specimens of many of the mineral substances already mentioned, are found among the Trap rocks. Of these there are several varieties of iron and copper ores, oxide of man-