

be readily seen on the North-west Miramichi and in the Big Sevogle further south, and at both these places copper pyrites and red oxide or cuprite was seen in small quantity, and the indications are quite as favorable in one locality as the other. None of them, however, contain sufficient copper ore to warrant any expenditure of money, and do not equal in value many of those seen at various points along the coast of the Bay of Fundy.

*Manganese* was formerly mined at the Tête à Gauche Falls. Its Manganese of Tête à Gauche. mode of occurrence in the Cambro-Silurian red and black slates in the form of small nodules has been already described. The slates were crushed in a stamp mill, and the ore separated by washing. No large deposits similar to those of the southern part of the province were found, the Lower Carboniferous limestones and conglomerates, in which they usually occur, being wanting in this part of the country. Many of the rocks of the Cambro-Silurian are deeply stained from the presence of this mineral, but no well-defined veins have anywhere been seen. The company which worked the mine at the Tête à Gauche are reported to have extracted a large quantity of the ore, but the results were evidently unsatisfactory, as the works have long since been abandoned.

*Galena*, said to be rich in silver, has been reported as occurring in detached masses of considerable size at several points along the Nipisiguit. Galena reported on the Nipisiguit. No deposit of it has ever been seen on this stream, but traces of it were found by us in some of the rocks in the area under examination. Such rumors are frequent in various parts of the province, and but small reliance can be placed upon them. It is possible, however, that in connection with the graphitic and sub-crystalline limestone bands seen on the Tête à Gauche, and which probably cross the heads of the Nine-mile brook, a tributary of the Nipisiguit, as well as on the head waters of the Millstream, and the streams in that vicinity, deposits of this mineral may occur, but as these localities are accessible only with great difficulty or on snowshoes, the discovery of such, if ever made, will doubtless be due to accident. On the Nigadoo, however, near the Galena (Argentiferous) of the Nigadoo River. contact with the Silurian rocks, indications of galena were noted, and at the Forks of this stream, about eight miles from its mouth, a deposit of considerable extent occurs, which bids fair to be of some importance. Since our visit to this place in 1879, mining operations have been commenced, the samples of the ore obtained being of good quality, but the extent of the vein has not yet been fully determined.

*Molybdenite* has been known to exist in small quantity in the quartz veins cutting the schistose rocks at the mouth of Burnt Hill brook, a tributary of the main South-West Miramichi, and has been alluded to