

raised, most of which was thrown aside in the dressing. Another immense deposit is now being extensively mined at Pilley's Island, Notre Dame Bay. The lode is said to average sixty feet in width, and contains 52 per cent. of sulphur.* This mine is now in a flourishing condition, employing some hundreds of men, and shipping large quantities of the ore each year to market, principally to the United States, to be used in the manufacture of sulphuric acid, copperas, &c. It has been ascertained, within the past year or two, that the refuse cinder left after the extraction of the sulphur is of a very superior quality for the manufacture of certain grades of Bessemer. The quantity of ore shipped from Pilley's Island mine, as taken from the Customs Returns, will be found in the tabular statement. Quite recently, the enterprising proprietors of this mine have introduced the electric light underground, which enables them to work continuously day and night. This is the first instance in which this light has been employed in mining in Newfoundland. The enormous deposit of Red Hematite on Bell Island, C. B. had not been discovered when the above was written.

COLUMBITE.

Obtained from the Labrador coast. [See Analysis, No. 11].

MANGANESE.

Ores of manganese have been observed in several localities, but, as a rule, not of a rich quality. One massive black oxide comes from the south side of Conception Bay, where quite an extensive deposit occurs as a contact lode. It contains about 51½ per cent. oxide of manganese, the residue being chiefly iron and earthly impurities. Wad, or bog manganese, is a very common ore, found as a surface deposit in many localities. A carbonate of manganese of a pure white color, probably a variety of rhodochrosite of rare occurrence, is found in the neighborhood of St. John's, usually as an incrustation on decomposed slate rock. It appears to be a rare variety, as I do not see it described in any work on mineralogy.

CHROME.

Besides the chromic iron already alluded to, I have seen chromate of lead from the west side of the island. The presence of

*Prof. Holloway has obtained as high as 55 per cent. from some specimens submitted to him for analysis.