

Ontario. The subsequent discovery of platinum in the copper ore of PLATINUM. the Rambler mine, Wyoming, in the same form (sperrylite, the arsenide Source and of platinum) as at Sudbury, further emphasized this probability. associations.

'The basic igneous rocks in which platinum so often finds its home are not confined to southern British Columbia, but are known to occur all through the mountains at least to the Atlin district. The occurrences of ores possibly holding this metal are also similar over wide areas, so that the search for platinum must not be confined to the southern part of the Cordilleran belt in the province.*

In connection with the work recently prosecuted in the Sudbury district by Dr. A. E. Barlow for the Geological Survey Department samples of the mattes obtained were collected and assayed by Mr. Donald Locke of which we are enabled to give a resume below:—The full particulars will be found in Dr. Barlow's report which will shortly be issued.

One specimen of matte from the Mond Company's works yielded: copper, 37.37 per cent; nickel, 41.88 per cent; iron, 1.07 per cent; cobalt, 0.33 per cent; silver, 4.87 ozs. per ton; gold, 0.066 oz. per ton, while the platinum group of minerals amounted to 0.4 oz. per ton.

In another sample of matte from the same place the gold and platinum minerals were not separated and amounted together to 0.60 oz. per ton.

In matte produced by the Orford company the results of the analyses were: copper, 34.95 per cent, nickel, 40.37 per cent; iron, 9.64 per cent; cobalt, 0.78 per cent; gold, 0.15 oz. per ton and the platinum group 0.5 oz. per ton.

Another sample from the same place was found to contain: silver, 2.50 ozs. per ton; gold, 0.10 oz. per ton and the platinum group 0.44 oz. per ton.

In corroboration of the above may be mentioned the results given in a paper by L. P. Silver, on "Sulphide ore-bodies of the Sudbury region" Vol. V Can. Mining Institute, of an analysis of a sample of Bessemer matte which was found to contain: nickel and cobalt, 39.64 per cent; copper, 42.75 per cent; iron, 1.03 per cent; sulphur, 14.05 per cent; silver, 5.30 ozs. per ton; gold, 0.75 oz. per ton; platinum group, 0.50 oz. per ton.

* In the report of the Minister of Mines for British Columbia for 1902, reference is made to the occurrence of platinum accompanied by osmiridium in the black sands of the Quesnel River, Cariboo District. So far however it is not saved.