

MAGNETITE.

Iron ores—
Analyses of,
cont.

- 2.—A specimen of magnetite from the thirteenth lot of the sixth range of Bagot, county of Renfrew, Ontario, was examined by Mr. F. D. Adams, and found to contain :

Magnetite from
county of
Renfrew, Ont.

Metallic iron.....	45.87
Titanium dioxide.....	trace
Insoluble residue.....	28.56

The object of the enquiry did not call for a more extended examination.

He has also examined samples of magnetite from other lots and ranges—in this township, in order to ascertain if they contained titanium dioxide or no, and with the following results : specimens from lot five, and the east half of lot ten of the twelfth range, as also a specimen from the twelfth lot of the seventh range, were found to be quite free from the same.

Magnetite from
Thunder Bay,
L.S.

- 3.—A very fine crystalline, dark steel-grey colored magnetite from location seven, Thunder-Bay, Lake Superior, was found to contain :

Metallic iron.....	49.02
Insoluble residue.....	24.61

This specimen was perfectly free from titanium dioxide.

Magnetite from
county of
Frontenac, Ont.

- 4.—Magnetic iron ore from the seventeenth lot of the eleventh range of the township of Olden, county of Frontenac, Ontario.

Massive, structure, coarse-crystalline. Color, greyish-black-lustre, metallic. A partial analysis gave as follows :

Ferric oxide.....	68.146
Ferrous oxide.....	28.975
Water, hygroscopic.....	.059
Insoluble residue.....	1.364
Metallic iron, total amount of.....	70.238

This specimen was perfectly free from titanium dioxide.

CLAY IRON-STONE.

Clay iron-stone
from North-
west Territory.

The following seven specimens of clay iron-stone from the Northwest Territory, were collected by Dr. G. M. Dawson, by whom they were submitted to me for examination, accompanied by the following notes in regard to their geological position and general mode of occurrence, in that section of country. He says :