

If this mineral be reduced to a fine powder and then ground in oil it makes a gray black paint of a very strong body, and is permanent after exposure.

Magnetite occurs in veins, (in a highly feldspathic gneiss), which are from a few inches to several feet in thickness. This property was first opened in 1872. At that time extensive preparations were made to smelt the ore on the spot. Charecoal furnaces and other accessories were constructed, but the venture, so far as I can learn, was not attended with success. The mine has recently been acquired by Mr. J. O. Hibbard, of Detroit, U.S.

The localities from which magnetite has been derived are too numerous to mention in detail. It is found in nearly all the Provinces of the Dominion but has been more particularly developed in Ontario.

*Arsenopyrite*.—Marmora Tp., Hastings Co., Ont.

This mineral is rather easily reduced to a fine powder and when ground in oil, makes a grey black paint which lightens, on exposure, to a greenish black; it has a very good body. If this black be mixed with white, its tints are decidedly purple.

Arsenopyrite is generally associated with the auriferous rocks, sometimes forming the gangue of gold. It occurs in the township of Marmora in some quantity and is also found in the Provinces of Nova Scotia, Quebec, and British Columbia.—See Arsenopyrite under "Brown Red."

*Pyrrhotite* —Bleazard Tp., Nipissing dist. Ont.

This mineral grinds rather easily and, when ground in oil, makes a gray black paint of a strong covering body, but develops, on exposure, grayish streaks that mar its uniformity.

As this mineral is widely distributed throughout the Dominion, it is needless to mention any particular locality, but it is found more particularly developed in the Sudbury region where it is mined for the nickel it contains. See Pyrrhotite under Indian Red.

*Anthracite*.—Anthracite, Alberta.

This mineral requires a little time to reduce it to a fine powder. It must then be thoroughly dried and ground in oil, when it makes a black of fairly good body. It has not been tested by any lengthy exposure.

*Galena*.—Grover claim, Slocan, West Kootenay, B. C.