

This ochre is slightly gritty in grinding but is otherwise easily reduced to a fine powder. If this is burnt and then ground in oil it makes a paint approaching burnt sienna; when mixed with white its lower tints correspond exactly with that colour. This darkens considerably on exposure.

*Iron Ochre*.—Vicinity of Madawaska Station, Renfrew Co., Ont.

This ochre is exceedingly gritty but is otherwise easily reduced to a fine powder. If this is burnt, then ground in oil it produces a burnt sienna paint of a good body and but slightly darkens after exposure.

*Ferruginous Rock*.—Mallorytown, Leeds Co., Ont.

This mineral was found to be free from grit and when reduced to a fine powder and burnt and afterwards ground in oil made an excellent burnt sienna paint with a very strong body. If this colour should prove permanent, and there is every reason to suppose it will, it may be ranked as one of the best pigments in Canada. It was manufactured some years ago by the Leeds Paint Manufacturing Company, Mallorytown.

*Ferruginous Dolomite*.—Limehouse, Halton Co., Ont.

This material was found to be very gritty and difficult to reduce to a fine powder. When ground in oil it has a brownish colour, and if previously roasted it makes a burnt sienna, both of which have very poor bodies, and if the sample I used is fairly representative of the above material, I think we can safely turn our attention to other sources that will give much better results. This was used some years ago by Mr. James Newton, Limehouse, for the manufacture of paint.

*Bog Iron Ore*.—Mallorytown, Leeds Co., Ont.

If this mineral be reduced to a fine powder and burnt, and then ground in oil it produces a burnt sienna paint of a very good body and remains unchanged after exposure. This colour was manufactured some years ago by the Leeds Paint Manufacturing Co. of Mallorytown. See Bog Iron ore under Brown Ochre.

*Bog Iron Ore*.—Ste. Anne de Montmorenci, Montmorency Co., Que.

This is apparently free from grit and is easily reduced to a fine powder: when it is ground in oil it makes a paint resembling dark raw sienna, but when mixed with white it makes a verona brown, but with much more body. If one coat of this paint is applied it remains permanent but if two or more are used it darkens a little. It has a good covering body. See Bog Iron Ore under Cappagh Brown, Brown Red and Burnt Sienna.