

If this mineral, free from impurities, be ground in oil it makes a very fine blue black paint of extra strong body, with exceedingly good covering properties and is apparently unchanged on exposure. The colour is not changed after roasting.

Galena has a very wide range throughout the Dominion, being found in nearly all the provinces. I shall not therefore attempt to particularize any locality, for no doubt its properties as a paint will vary little from whatever source it be obtained.

RAW UMBER.

Iron ochre.—East Chester, Lunenburg Co., N. S.

This ochre which is free from grit and which, when ground in oil makes an excellent raw umber paint, has good covering properties, is almost permanent and should commend itself to all manufacturers of paints.

Small quantities of this ochre have been used locally for several years from deposits which occur at different points along St. Margarets Bay. Their relative thickness and area have not been ascertained. See Iron Ochre under Burnt UMBER.

Limonite.—Londonderry, Colchester Co., N. S.

This sample was very much oxidized, and when reduced to powder and ground in oil assumed a distinctly brown colour which can be referred to burnt umber, but after exposure its tone changed to that of raw umber: it has a very strong body.

Limonite occurs as a decomposition product resulting from the alteration of the siderite and ankerite that occur in veins and segregated accumulations, more particularly in the counties of Colchester and Pictou, Nova Scotia. This mineral is found in many places in these counties and minute descriptions of its mode of occurrence and working are elaborately dwelt on in the Reports of the Geological Survey. See particularly Report 73-74. See Limonite under Brown Red, Brown Ochre and Indian Red.

Big Manganese.—(Wad). Mechanics Settlement, Hillsborough, Albert Co., N. B.

This is slightly gritty but easily reduced to a fine powder and when ground in oil produces a dark brown paint approaching raw umber but with a warmer tone. It has a good covering body and is but little changed after exposure. This deposit covers an area of from eighteen to twenty acres and is from a few inches to thirty feet in