

Thunder Bay district. In the Lake Superior region there are some very important veins of the sulphate, ten feet thick and upwards, which constitute the gangue of the silver ores. Veins of comparatively pure sulphate occur in the townships of Galway, Burgess and Pakenham in Ontario and in several places in the township of Hull, Wright Co., Quebec, where it is at the present time being worked. It has also been mined to some extent in Nova Scotia.

Zinc White.

Zinc, permanent, or Chinese white is an oxide of zinc and might be manufactured from sphalerite or zinc blende. It has been referred to in its raw and roasted state as an excellent pigment. This ore is met with in several of the provinces and has been mined in Quebec, Ontario and British Columbia.

Graphite Paint.

Graphite is now being mined in the Province of Quebec and bids fair to become an important industry. It will be one of the products produced by a Buckingham firm. A similar paint is manufactured, by the Canadian Paint Company of Montreal, from a plumbaginous shale brought from New Brunswick.

COLOURS PRODUCED FROM MINERALS BY CHEMICAL TREATMENT.

YELLOW.

Arsenical Paints.

The yellow sulphide of arsenic known as King's yellow could be directly sublimed from the arsenical ores that are found in nearly all the provinces. Arsenopyrite has been mined in the township of Marmora rather extensively both as a source of gold and arsenic. If sulphur were added to the arsenopyrite in the retorts a yellow sulphate would be formed corresponding with the commercial article.

SCHWEINFURT GREEN.

If boiling solutions of arsenic and acetate of copper of equal weights are mixed together and the ebullition continued for some time, the arsenite of copper is formed, known under the name Schweinfurt or Vienna Green.

CHROME PAINTS.

The chromic iron ore that occurs in serpentine in Megantic and adjoining counties, and also on the Shickshock Mountains in Gaspé county in the Province of Quebec, is a source of many bright and beautiful colours.