

Magnetic Concentration of Ores.—The magnetit separation of finely divided ores formed the subject of an instructive paper, read before the Iron and Steel Institute by Professor J. Wiborgh, of Stockholm. Magnetic separation is, of course, only applicable to ores in a finely pulverized condition, but in the form of dust it presents some difficulties in the furnace which have not yet been successfully overcome. The cold blast system of smelting seems better suited for powdered ore than the hot, but even with the former the ore is liable to scaffold in the furnace. To get over this drawback it has been suggested that the powdered ore should be damped and pressed into blocks, and used in that form, or the ore may be mixed with lime, and hardened by absorption of carbonic acid from the air. Another plan is to mix the ore with hydrocarbonaceous material, or with powdered coal, and to coke it in the usual way. This latter method is simple and is not expensive, and seems to have succeeded to a certain extent. It will be understood that the magnetic separation removes much useless matter, and enables a good concentrate to be obtained from ore that is poor in iron, and much waste in working is avoided. If a really good and cheap method of combining the pulverized ore into handy lumps were discovered, there can be little doubt that machinery for the magnetic separation of ore would be much more largely employed.

Nearly every establishment furnishing mining machinery has one or more trusted, experienced men, practical mining engineers, who know what is needed in special cases or general requirements, and who can see that anything needed, large or small, from a stamp shoe to a complete plant, is properly furnished. Such men can install any required machinery and their advice and aid are of value, and in all cases where a mine needs machinery of any kind those in charge of the mine would do well to have a talk with such a man.

Manager Appointed by the Dominion Iron and Steel Co. Limited.—Just as the REVIEW goes to press we learn that Mr. A. J. Moxham, of Johnstown, Pa., has received the appointment of General Manager to the Dominion Iron and Steel Company, Limited. Mr. Moxham is an Englishman who has been prominently identified with the manufacture of iron and steel in the United States for many years. He is a man of extraordinary force and business capacity, and has earned a high reputation as a successful operator.

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