

## MACHINERY NOTES.

It is announced that a contract has been let for the installation of a compressor plant at the Wilcox mine, near Ymir. A 75-ton concentrating mill is to be put in at the La Plata Mines Co.'s Molly Gibson mine, near Nelson, during the ensuing summer.

A small hoisting plant, consisting of a vertical boiler and combined engine and hoist, has been supplied to Mr. H. McMaster, Cariboo, by the Vancouver Engineering Works, Ltd., for use in prospecting a new mining property.

Mr. E. G. Warren, manager of the Greenwood Electric Co., has secured the contract for wiring the new zinc enriching plant at Rosebery, on Slovan lake, and installing the electric machinery. The work will be commenced about the 1st of June.

The zinc separating plant the Kootenay Ore Co. recently completed installing at its sampling works, Kaslo, is reported to be working satisfactorily and to be turning out a product ranging from 50 to 55 per cent zinc, with but a small percentage of iron.

The Silver Star Mining Co.'s 100-ton concentrator, built last year at the company's Cork mine, on the south fork of Kaslo creek, and the equipment of which was lately finished, was started on its trial run on April 29. The crushers and jigs proved to be in good working order, with only unimportant adjustments needed to ensure their doing effective work.

A small but complete plant, including locomotive type boiler, Ingersoll-Sergeant air compressor, machine drills, etc., was recently shipped by the Vancouver Engineering Works, Ltd., to Loughborough inlet, for the Cuba Silver Mining Co., of which Mr. F. W. McCrady is manager and engineer. This plant is for use in developing the Cuba Co.'s mining property on the inlet.

The Providence Mining Co., of Greenwood, B. C., lately purchased from the Vancouver Engineering Works, Ltd., one of its latest types of steam boilers. The boiler was fitted with a temporary sheetiron casing, the intention being to use it for a time in connection with shaft-sinking at the Providence mine and then remove it where it will be employed for other purposes.

The Nelson *Tribune* states that the Canadian Metals Co., which is erecting the zinc smelter at Frank, Alberta, has purchased the steel stack, 105 ft. high, formerly used by the Republic Power & Cyanide Co., of Republic, Washington. It has also purchased from the same company three carloads of machinery, including two sets of 26-in. steel rolls, an H crusher and a number of mine and mill cars.

The Vancouver Engineering Works, Ltd., lately finished the construction, and is now installing at the Tyee Copper Co.'s smelter, Ladysmith, Vancouver Island, a new hot-blast system, designed by the smelter manager, Mr. Thos. Kiddie. If this system prove successful, it will probably be adopted by other smelters. The installation will be completed before the close of May, after which its effectiveness will be fairly tested.

The Canadian Westinghouse Co., Ltd., recently sold to the Edmonton, Alberta, Street Railway Co. a 200-kw. railway generator and a number of double equipments of railway motors. Edmonton is the most northerly city on the American continent to operate an electric street railway. Another recent sale made by the same company was that of a 500-kw. turbo-generator unit to the Canadian Pacific Railway Co. This unit is to be installed at Fort William, on the C. P. R., and is to be used for supplying power to the various grain elevators at that point. The unit is to operate 3-phase, 600-volt, 7,200 alternations, 3,600 r. p. m.

The Canadian Rand Drill Co., and the Jenckes Machine Co. having the same representatives in British Columbia, confusion sometimes arises in newspaper notices as to which company receives orders for plant and machinery. Last month it was stated in a number of newspapers and mining jour-

nals that the Jenckes Machine Co. had received an order from the St. Eugene Consolidated Mining Co. for a 30-drill air compressor and some steam boilers, the latter of a total capacity of about 500-h.p. While the Jenckes Machine Co. is supplying the boilers, it is the Canadian Rand Drill Co. that is manufacturing the compressor. Similarly the makers of the 30-drill air compressor and the 12 by 18 hoisting engine ordered for the Western Fuel Co., have been mixed up. The Jenckes Machine Co. is executing the order for the hoisting engine, and the Canadian Rand Drill Co. that for the air compressor.

## TRADE NOTES AND CATALOGUES.

The Holt Manufacturing Co., of Stockton, California, has issued an illustrated bulletin giving information relative to its traction engines.

The Abner Doble Co., of San Francisco, announces that arrangements have been made with the John McDougall Caledonian Iron Works Co., Ltd., of Montreal, Quebec, whereby the latter become sole licensees for the manufacture of the Doble system of water-wheels in the Dominion of Canada.

The Schaake Machine Works, of New Westminster, sole makers of Emett's Hardite crusher jaws, stamp-mill shoes and dies, wire rope sheaves, etc., are advertising the excellent wearing qualities of this metal wherever there is hard usage and consequent liability of parts to excessive wearing or breakage.

The Westinghouse companies' publishing department has issued advance copies of two illustrated pamphlets on Westinghouse direct current and alternating current fan motors, respectively. These contain descriptions of these handy appliances, and the illustrations show some of the uses to which they can be put.

E. G. Prior & Co., Ltd., of Victoria, B.C., have secured the contract for the supply of structural iron and steel to be used in the erection of the big hotel the Canadian Pacific Railway Co. has arranged to build in Victoria. The materials to be supplied under this contract include steel girders, joists, rods, etc.; cast iron columns, and much miscellaneous iron and steel, aggregating in weight about 1,500,000 lb. Delivery will be commenced about the end of June and will be continued thereafter as building requirements shall call for it.

A distinctly handsome publication is the 70-page booklet, entitled *The Westinghouse Companies in the Railway Industrial Fields*, the Westinghouse companies' publishing department has prepared for distribution at the International Railway Congress at Washington. The brief account, historical and descriptive, given of the various Westinghouse works, with incidental mention of some of the more remarkable apparatus that have been built in them, makes interesting and instructive reading. The booklet covers quite a wide field of manufactures, including air brakes, railway signals, electric machinery of various kinds, arc, Nerst and other electric lamps, etc., and well repays careful perusal.

## PUBLICATIONS RECEIVED.

*United States Geological Survey. Water Supply and Irrigation Paper No. 117. The Lignite of North Dakota and Its Relation to Irrigation.* By Professor F. A. Wilder. Pages, 59; illustrated.

*Professional Paper No. 39. Forest Conditions in the Gila River Forest Reserve.* By Theodore F. Rixon. Pages, 89; with reconnaissance map.

*Bulletin No. 258. The Origin of Certain Place Names in the United States.* (Second Edition.) By Henry Ganett. Geographer to the Survey. Pages, 334.

*Underground Waters of Eastern United States.* By Myron L. Fuller. Pages, 272; illustrated.