

MACHINERY AND CONSTRUCTION NOTES.

The Britannia West Copper Co., owning mining property on Howe Sound, is obtaining from the Jenckes Machine Co., Ltd., of Sherbrooke, Quebec, two 50-h.p. locomotive type steam boilers.

The Canadian Rand Drill has received from the management of the Hillcrest mine, near Frank, Alberta, an order for a Canadian Rand four-stage high pressure air compressor haulage plant. It is to be a duplicate of the compressor now being constructed for the Lille colliery (also situated near Frank) of the West Canadian Collieries, Ltd. The plant is to be complete, with storage system, charging station and arc motors and will cost about \$15,000. This will make the sixth plant supplied by the Canadian Rand Drill Co. for use in the coal mines of Eastern British Columbia or Alberta.

The Canadian Westinghouse Co., Ltd., of Hamilton, Ontario, has made a contract with the Yukon Consolidated Goldfields Co. to supply the following electrical machinery and apparatus for use in the latter company's gold dredging operations in Yukon Territory: Three 100- and three 15-h.p. 3-phase, 60-cycle, 400-volt, type F. motors; three 50-h.p., 850-r.p.m., 3-phase, 60-cycle, 400-volt, constant speed induction motors; three 30-h.p. motors; three 20-h.p., 1,120-r.p.m. motors; three 15-h.p., 850-r.p.m. motors; three 7½-h.p., 1,700-r.p.m. motors; nine 75-kw., oil-insulated, self-cooling transformers; two 625-kw., 3-phase, 60-cycle, 2,200-volt, 415-r.p.m., A. C. generators, and two 17-kw., type S. exciters for same; one 4-panel switchboard for controlling the foregoing; four 250-kw., oil-insulated, oil-cooled transformers, and four 200-kw. transformers of similar type.

The Jenckes Machine Co., Ltd., recently shipped from its works at St. Catharines Ontario, two 60-h.p. tubular steam boilers for installation at the deep-drift gold mine on Slough Creek, near Stanley, Cariboo district, of the company recently organized as the Slough Creek, Ltd., of London, England, where the order for the boilers was secured. Plant, machinery, supplies, etc., for mines in the Cariboo district have to be hauled over wagon roads from Ashcroft, which is the nearest station on the Canadian Pacific railway. Slough Creek is about 280 miles from Ashcroft.

The British Columbia Copper Co., Ltd., recently purchased from the Canadian Rand Drill Co. several machine drills and other plant for use at the Napoleon mine at Boyd, Washington, which the former company is operating in conjunction with its several mines and smelting works in the Boundary district of British Columbia.

An air compressor has been installed at the Ottawa mine situated on Springer Creek, in the Slocan City mining division.

The aerial tramway from the Vancouver Group mine down to the Wakefield mill, a distance of about 4,000 ft., is about completed. These properties are on Four-Mile Creek, near Silverton, Slocan.

The Blake crushers and rolls have been removed from the Comstock mill, in the Silverton section of the Slocan district, having been purchased by Mr. H. Giegerich of Kaslo, for use in the Montezuma mill on the south fork of Kaslo Creek. The Comstock mill was referred to by the provincial mineralogist, in his report for 1904 of the Slocan district, as "very complete and well equipped, and was erected in 1897 at a cost of \$23,000, and after running a couple of months was closed down in 1898, since when it has been unused."

TRADE NOTES AND CATALOGUES.

The Westinghouse Companies Publishing Department sends two interesting pamphlets, viz., "Gas Driven Electric Power Systems" and "The Lighting of Public Buildings." The former is a reprint of a paper presented before the Engineers' Society of Western Pennsylvania, and deals with gas driven power systems as exemplified in the Warren & Jamestown railway system, in connection with which a gas engine plant of 1,000 h.p., in two units, is operating, without

steam reserve, an entire railway system totalling 42 miles of road, half city and half interurban. The latter traverses a difficult country with but two to four cars in service, all of unusual size (35 tons) high speed (50 miles per hour), and powered 200 h.p. per car. Upon this plant, which regularly operates 80 to 90 per cent of the time, the entire traction service of an important community depends. This pamphlet is illustrated and contains much useful detail. The second publication shows the varied uses to which Nernst lamps are successfully applied, and gives particulars of the lighting of numerous large buildings, the half-tone representations of some which are well finished. Accompanying the latter pamphlet is a handy little booklet entitled "Incandescent Lamp Dictionary."

The Rossland Engineering Works has had printed an illustrated catalogue of ore and other cars, mine buckets and cages, and other mine and smelter requirements it manufactures at its works at Rossland, B. C.

BOOKS, ETC., RECEIVED.

Geological Survey of Canada.—

Annual Report (New Series), Vol. XIV., 1901; bound. With 26 maps.

Summary Report for 1905. Containing report of operations for the calendar year. By Dr. Robert Bell, acting deputy head and director. Pp. 144; with maps.

Mineral Pigments of Canada. A report of some experiments with various pigments that can be derived from minerals, ochres and clays, either in their crude state or by burning. By C. W. Willimott. Pp. 39.

Chibougamau Mining Region. A report on the Chibougamau mining region of the northern part of the Province of Quebec. By A. P. Low. Pp. 61; with map.

Canadian Mining Institute. Advance copies of a number of papers to be incorporated in the "Journal Canadian Mining Institute," Vol. IX. (These papers are printed and sent to members for discussion before being bound as part of Vol. IX. of the *Journal*.)

Columbia University, New York—The School of Mines Quarterly, a journal of Applied Science. July, 1906. Pp. 97; illustrated.

California State Mining Bureau—Register of Mines and Minerals. This pamphlet deals with Santa Barbara County of the State of California. By Lewis E. Aubury, State Mineralogist. Pp. 15; illustrated, and with map.

AN EARNEST APPEAL.

The *Mining Journal*, of London, England, recently published the following appeal from British Columbia:

DEAR SIR,—I am a Reader of your Journal a Friend often Hands it to me. Well Sir I am an English man abroad so is the Two men sitting on my Right and left sides. We have gone on the humf as they say in America that is our money is gone I have been working here 6 years so have my mates. We have spent our money in the Klondike and other places seeking Treasures but have never made it go but not our fault. I have a Favour to ask that is can you help us in getting a Place in some good compay say in China india or Egypt we will Pay our way home like men 3 better men never lived then we 3 I can give you all kinds of Proof If you ask it we will Pay you sir for your Trouble in case you wish I am a miner from the word go befor my coming to canada I Tried my luck on the west coast of africa so have my mates but got Beaten For want of Funds that is the case now we are all Real workmen nothing more nor less strong and sober with little money but lots of energy and experience. Now Sir will expect a Reply hoping its not giving you too much Trouble but if you can help us theres a good man do so. We are longing For a Change.—I am sir yours truly,

Michel, British Columbia,
September 2, 1906.

MINER.