

brochure of elegance which anyone interested in such matters could no doubt obtain upon request.

Messrs. Sheldon & Sheldon, Galt, Ont., have sent in their sectional catalogue, No. 16, having reference to lumber dry kilns (blower system) lumber trucks, transfer cars, etc., manufactured by them. A most interesting portion of the book is that relating to lumber drying, and the best methods of effecting the same, which involves, of course, the blower or hot blast system, full description of which is given. The book contains a large amount of useful information regarding lumber drying, and will be sent on request. The firm also manufacture medium and cupola blowers and exhausters, steel plate fans, planning mill exhausters, portable forges and equipments for blacksmith and carriage shops, steam separators, exhaust heads, hot blast heating and ventilating apparatus, etc.

The Goldie & McCulloch Co., Galt, Ont., have sent us a brochure which constitutes a description of the two engines recently built by them for the Cataract Power, Light & Traction Co., Hamilton, Ont., and placed in the Victoria Avenue Sub-Station of that company in Hamilton. The various illustrations in the book give general views of the two cross compound non-condensing engines, each of which are direct connected to Westinghouse engine type alternate current generators. These generators are of 1,000 k.w. capacity, and 8,000 alternations at 100 revolutions per minute. The plant is of special interest from the high frequency of the generators, and the fact that they are run in parallel with each other, and also with water turbine driven alternators at the company's main power station 30 miles distant. Electrical and steam engineers can obtain a copy of this book for the asking.

The Jenckes Machine Co., Sherbrooke, Que., have favored us with their series F. Bulletin No. 616, having reference to Standard Crushing Rolls. Mention is made of crushing rolls as originally introduced into Canada from England, and contrast is made with such as are now made by this company in Canada: proper speed at which rolls should be run for different purposes; general construction, details, etc. Illustrations are given of sampling and laboratory rolls; different styles of crushing rolls; automatic ore feeders, etc.

The Canadian General Electric Co., Toronto, have sent us their Bulletin No. 829, having reference to their belt driven direct current generators, of both slow and moderate speed, in which diagrams are given of different parts of the machine; and Bulletin No. 833, having reference to ceiling fan motors for both direct and alternating currents. The company carry a complete stock of both these types for standard voltages.

"Coal Statistics," by Alder & Ruley, Girard Building, Philadelphia, Pa., gives the name and address of every coal mine in the United States, together with other valuable statistics of interest to Canadian fuel users.

ELECTRICAL DEVELOPMENT AT NIAGARA FALLS, ONT.

There are three companies constructing electrical power works at Niagara Falls, and a brief account of their operations during 1903 is given in the eighteenth annual report of the commissioners for the Queen Victoria Niagara Falls Park. A great deal of construction work was accomplished by these companies during the year. The one furthest advanced is the Canadian Niagara Power Co., the charter of which provides that it should have 20,000 electrical h.p. for sale by July 1 of the present year. The company, however, decided to complete the whole of their works at the same time, providing water connections for the authorized capacity of 100,000 h.p., and to install sufficient machinery for an initial output of 50,000 h.p. Owing to the increased work involved in this change of plan, the company decided to apply for a six months' extension of the time limit and the park commissioners supported their application. The Ontario Power Co. made good progress. The cofferdam, which was built in 1902, having proved insufficient, a second one was constructed further up stream. Other work accomplished consisted in excavations for the pipe line and the power house, and the placing in position of 500 feet of a steel pipe eighteen feet in diameter, capable of carrying water to produce 50,000 electrical h.p. The Electrical Development Co. of Ontario constructed two coffer dams, prepared the river bed for the sinking of the wheel-pit and commenced operations on the main tunnel.

The report of the park commissioners contains an account of many changes that were made in the surroundings of the Niagara Falls Park, and also a text of their agreement with the Ontario Power Co., dated February 28, 1903.

LORD'S BOILER COMPOUNDS.

The Geo. W. Lord Co., analytical and manufacturing chemists, Philadelphia, are in receipt of a letter from Mr. C. Marker, superintendent of the Dairying Division of the Department of Agriculture at Calgary, N.W.T., as follows:

"We have procured through your agent at Montreal, Mr. D. Sleeth, two casks of your Lord's Boiler Compound to be used in the boilers and creameries operated by the Dominion Department of Agriculture in the North-West Territories. Somehow I have mislaid the directions for using the compound for the different waters, as to quantity, etc., and shall be glad to receive any printed matter you may have on this subject, at your early convenience. We have used your compounds for several years with best of satisfaction."

Mr. Sleeth, writing us in this matter, says:

"Our system has always been to ascertain from steam users the quality of their boiler feed water. Before producing a boiler compound or water purifier, we always have sent to us a sample of boiler scale or a gallon of boiler feed water from the district in which these steam plants

are working, an analysis is made which shows the composition of foreign matter from the hardened scale, and from the analysis made from the boiler feed water, the number of grains is taken from each gallon of feed water. In each case chemicals are formulated to neutralize all the foreign matter which is precipitated and blown off from the boilers. By this means we can remove the hardest scales which form in boilers, and also prevent it from forming."

PERSONALS.

The Deming Co., Salem, Ohio, manufacturers of pumping machinery, well supplies and tools, etc., announce that Messrs. Darling Bros., Reliance Works, Montreal, have accepted the Canadian agency for their deep well and triplex power pumps. Canadian enquiries will be referred to Messrs. Darling Bros., who are in a position to execute promptly, at American prices, all orders for the lines of machinery mentioned.

The Chicago Pneumatic Tool Co. will enlarge their Boyer plant at Detroit, Mich., and will concentrate much of their business at that point.

Dr. W. A. Parks, lecturer in mineralogy at the University of Toronto, has been engaged by the Dominion Geological Department to report on the mineral deposits, particularly of silver, in the district north and west of Lake Temiskaming. Mr. H. L. Kerr will be his chief assistant.

The Mosaic Tile & Cement Co., Detroit, Mich., have disposed of their Canadian patents to Messrs. Scott & Scott, Toronto.

The names of nine of the twelve directors who will constitute the new board of the Lake Superior Corporation have been made public. Cuo Philadelphia and two Canadian directors are yet to be named, but the New York quota of four is complete. The directors chosen are as follows: J. Tatnall Lea, president of the First National Bank, Philadelphia; Chas. S. Hinchman, Philadelphia; Francis B. Reeves, president of the Girard National Bank, Philadelphia; John T. Terry, vice-president of the Mercantile Trust Co., New York; Charles E. Orvis, of Orvis Bros. & Co., bankers, New York; Dumont Clarke, president of the American Exchange Bank, New York; George B. Turrell, president of the Mutual Trust Co., Orange, N.J.; C. D. Warren, president of the Traders' Bank, Toronto, Canada; and Thomas J. Drummond, of Drummond, McCall & Co., iron merchants, Montreal, Canada. It is expected that the remaining two Canadian directors and the Philadelphia director will be named shortly. The main office of the company will be in Toronto, with a branch office in New York. A charter will be obtained under the New Jersey laws, after which the other directors will be elected and officers will be formally selected.

Mr. Goulet, formerly employed as draftsman of the Northrop Iron Works, at Valleyfield, Que., has been appointed head draftsman of the Canadian General Electric Co. at Peterboro, Ont.

When writing to Advertisers kindly mention THE CANADIAN MANUFACTURER.