

CATALOGUES RECEIVED.

The World's Greatest Asphalt Plant.—The Barber Asphalt Paving Co., Philadelphia, issues a 16-page illustrated description of their plant at Maurer, N.J.

Tubular Steel Tripods.—A leaflet describing the Morris folding tubular steel tripod, issued by the Herbert Morris Crane and Hoist Co., Limited, Toronto.

Jeffrey Limestone Pulverizer.—Bulletin No. 132, of the Jeffrey Manufacturing Co., Columbus, Ohio. Describes the swing hammer pulverizer, type "D," with diagrams. 8 pp.

Synchronous Converters.—Bulletin issued by the Canadian General Electric Co., listing the ratings of standard lines of converters for various frequencies, voltages and capacities.

Morris Hand Overhead Travelling Crane.—A 4-page leaflet, issued by the Herbert Morris Crane and Hoist Co., describing a new type designed to run on the lower flange of two parallel I-beams.

Sprague Electric Monorail Cranes.—48 pp.; fully illustrated, describing the function and various types and capacities of these cranes. Issued by the Canadian General Electric Co., Limited, Toronto.

Speed Regulation.—A 4-page leaflet describing a new invention called the Douglas Speed Regulator, of interest to engineers and manufacturers. Issued by J. A. Douglas, 626 McMillan Avenue, Winnipeg, Man.

Westinghouse Turbo-Alternators.—A 40-page profusely illustrated description of various types. It traces the development of the steam turbine, of reaction and impulse turbines, and of variations in modern designs.

Temperature Control Apparatus.—A booklet descriptive of the Grundy System of automatic temperature control. Also information about heating and ventilating by electricity. Issued by A. Schonfield and Co., Glasgow.

Lackawanna Plate Sheet Piling.—Bulletin No. 107, outlining a new section just brought out by the Lackawanna Steel Co., for whom H. A. Drury Co., Limited, Montreal, are Canadian representatives. 4 pp.; illustrated.

Heavy Traffic Centres.—A descriptive publication of the Westinghouse Electric and Manufacturing Co., giving a number of interesting and instructive illustrations showing operating conditions in many large traffic centres.

Electrical Equipment for Oil Wells.—A 24-page bulletin, well illustrated and containing some instructive information on the use of electrical apparatus in the oil fields. Issued by Canadian General Electric Co., Limited, Toronto.

Drawing Tables, etc.—A 48-page catalogue, issued by Economy Drawing Table Co., Toledo, Ohio. Drawing tables, filing cases and specials for engineers, architects, contractors, manufacturers, schools, etc., are described.

Piston Rings.—A small 8-page booklet, published by the Burd High Compression Ring Co., Rockford, Ill. Reprinting an article by H. S. Whiting on "How the Efficiency of a Motor Car is Dependent upon Gas-Tight Ring Joints."

Steam Engines for Direct Connection to Electric Generators.—16 pages, describing the Chandler and Taylor engines, simple, tandem and cross compound. Issued by Canadian Allis-Chalmers, Limited, Toronto, agents for Canada.

Train Operation.—A collection of illustrations, with brief notes, showing some of the advantages of multiple-unit trains for city, suburban and interurban service. 16 pp.; 8½ x 11 in.; illustrated. Issued by the Westinghouse Electric and Manufacturing Co., East Pittsburgh.

Despatchers' Selective Signalling System.—A leaflet from the general railway signal company, Rochester, N.Y., describing a new system by means of which the despatcher can control train-order signals and take-siding signals located

at various stations, and determine the indication displayed by each.

Horsfall Destructors.—A 50-page catalogue, issued by the New Destructor Co., Limited, Pershore, England, describing the features of this type of destructor and a number of the plants now in operation. Other equipment for destructor plants, such as crushing and screening plant, tin-baling machines, etc.

Marshall Traction Engines and Road Rollers.—A fully illustrated 44-page catalogue, issued by Marshall, Sons and Co., Limited, Gainsborough, England (Canadian office, Saskatoon, Sask.) It describes different sizes of traction engines and road locomotives, single and compound; road rollers, scarifiers, trailer wagons, etc.

MILITARY PROMOTION FOR C. H. MITCHELL, C.E.

Word has been received from the military authorities at Ottawa of the appointment of Major Charles H. Mitchell, of Toronto, to the important position of General Staff Officer on the Headquarters Staff of the First Contingent, and also of his promotion to the rank of Lieut.-Colonel. This appointment is one of the highest given to any militia officer in Canada. Lieut.-Colonel Mitchell is deserving of this distinction, and military men in Toronto assert that he is perhaps the best qualified Canadian officer for the position.

Lieut.-Colonel Mitchell is perhaps better known generally throughout the Dominion as "C. H. Mitchell, C.E.," of the firm of C. H. and P. H. Mitchell, Consulting Engineers, Toronto. His experience in engineering has been wide, but his activities have been chiefly in hydro-electric and hydraulic work. For the past four years he has been consulting engineer for the Dominion Government on water-power matters, particularly in Western Canada.

Lieut.-Colonel Mitchell is a member of the Board of Governors of the University of Toronto, from which university he graduated in 1892. He has also taken an active part in the advancement and improvement of the city of Toronto, and for many years has been on the Executive of the Toronto Civic Guild, of which organization he is now the President.

ST. JOHN VALLEY RAILWAY, N.B.

The Canadian Pacific and the Intercolonial have patched up their differences relative to facilities for entering the St. John Valley Railway into Fredericton. The railway will enter from the south by double-tracking the C.P.R. from Victoria Mills to the Intercolonial "Y"; thence by their own tracks. The Quebec and St. John Construction Co. may do their own double-tracking on this work or may sub-let it. As soon as this connection has been completed operation of the Valley Railway will be commenced between Fredericton and Gagetown.

It is stated in a recent communication from Fairville, N.S., that the installation of a 12-inch water main along the Sand Cove Road has been completed as far as the Fairville plateau; that concrete sidewalk has been completed for some distance out the Manawagonish Road; and that progress on the new Government bridge over the Reversible Falls is favorable. Of the bridge construction, the granite piers which are being erected on the east side have been completed. The trestle which was built from the C.P.R. track and crosses the road overhead has been finished and the crane for hoisting the steel into position has been placed on the cliff overlooking the falls, the steel construction now being in progress.