

aming the geology of the region; while a fourth crossed the river and went through various plants in Niagara Falls, N.Y., including the Niagara Power Co., the Hydraulic Power Co., and the International Paper Co.

The committee having in hand the arrangements for the day were: Prof. C. H. C. Wright, E. A. James, C. H. Shirriff, Frank Barber, and J. E. Caldwell. These gentlemen are to be congratulated on the excellent programme which they arranged, and the splendid way in which it was carried out.



CATALOGUES RECEIVED.

The following catalogues have been received by the Canadian Engineer and may be obtained by mentioning this Journal:

Graham, Morton & Co., Limited, engineers and contractors, Hunslet, Leeds, Eng. Souvenir booklet containing photographs showing rapid construction of this firm's new engineering works, and a description of the same.

Kellogg Switchboard and Supply Co., Chicago. "Magnet Switchboards," a neat and well illustrated descriptive booklet of 100 pages.

John Morrow Machine Screw Co., Limited, Ingersoll, Ont. Revised catalogue of standard and special screws, etc.

August Mietz, New York. Catalogue of Mietz & Weiss gas and oil engines.

National Electric Co., Milwaukee. Bulletin 350, descriptive of air compressors for continuous and intermittent service.

Yale & Towne Mfg. Co., New York. Circulars descriptive of chain block exhibits at St. Louis Fair.

Joseph Dixon Crucible Co., Jersey City, N.J. Pamphlets, "Graphite as a Lubricant," "Oil vs. Grease," and "Dixon's Graphite Cup Greases."

Elmer P. Morris Co., New York. Catalogue of tubular poles and brackets for electric railways, lighting, telegraph, etc.

Sheldon & Sheldon, Galt, Ont. Bulletin 21, Hot Blast Heating Apparatus; also pamphlet descriptive of special fans designed for asbestos mines.

Browning Engineering Co., Cleveland, O. Catalogues of locomotive cranes.

Canadian Westinghouse Co., Hamilton. Circular 1,088, generators for three-wire direct current service.

Westinghouse Electric and Mfg. Co., Pittsburg, Pa. Circular 1,092, descriptive of multiple alternating arc lamp.

Sterling Electric Co., Lafayette, Ind. Catalogue of telephones and apparatus.

A. Leschen & Sons Rope Co., St. Louis, Mo. Illustrated booklet, "Wire Rope Tramways."

Jenckes Machine Co., Limited, Sherbrooke, Que. Booklet on Gold and Silver Milling. Bulletin 1,100.

Spaulding Print Paper Co., Boston, Mass. Circular about the Federal blue-printing machine, a continuous printing apparatus for making blue-prints by electric light.

Crane Co., Chicago. Special catalogue No. 100, pop safety valves, etc. Also folder illustrating globe and angle valves.

Allis-Chalmers Co., Milwaukee. "The Book of the Four Powers" is a very attractive and well-printed booklet describing in a connected way the products of the company in the realms of steam, gas, water, and electricity.

Pratt & Whitney Co., Hartford, Conn. Catalogue of small tools, with reference tables.

Niles-Bement-Pond Co., New York. "Horizontal Boring, Drilling and Milling Machines," illustrating the machines and the same at work.

Trussed Concrete Steel Co., Detroit, "Facts concerning the Kahn Trussed Bar," a booklet containing nearly 50 photographs of concrete constructions, and also of tests of the Kahn Bar.

Jeffrey Mfg. Co., Columbus, Ohio. Catalogue of Jeffrey "Century" rubber belt conveyors, also booklet illustrating grab buckets made by the same firm.

Norton Grinding Co., Worcester, Mass. Catalogue of plain cylindrical grinding machines for straight and taper work.

Waterous Engine Works Co., Brantford. Catalogue of the McEwen high speed automatic engine, with detailed description of construction.

Laidlaw-Dunn-Gordon Co., Cincinnati, Ohio. Bulletin L 601, catalogue of Meyer-gear pumping engines.

Hardie-Thompson Co., 110 Cannon St., London. Pamphlet, describing the Hardie-Thompson water-tube boiler, just being introduced on the market, the novel feature of which is independent water circulation in each tube.

Cunliffe & Croom, Ltd., Manchester. Brass Finishers' Machine Tools. An illustrated sheet giving list supplementary to catalogue.

Fairbanks Co., Toronto, Montreal, etc. Price list of Fairbanks Wood Split Pulleys.

Canadian General Electric Co., Toronto. Booklet, "Some Facts regarding Type H Transformers."

Garvin Machine Co., New York. "Special Machinery," a booklet containing condensed descriptions and reduced illustrations of over 100 special machines.

Newall Engineering Co., Warrington, Eng. Catalogue of measuring machines, micrometers, surface plates and other workshop gauges.

Smooth-On Mfg. Co., Jersey City, N.J. One hundred page catalogue of products of this company.

Canadian Rand Drill Co., Montreal. Coal Cutter catalogue. From the same company we have received a post-card cut in the shape of a compressed-air riveter, illustrating the latest "Imperial" tool.

Jenkins Bros., New York. Booklet entitled "Valve Troubles and How to Avoid Them." Besides suggestions such as indicated by the title, the book contains descriptions and illustrations of Jenkins' valves.

Diamond Saw & Stamping Works, Buffalo. A neat folding card containing price-list of Sterling Hack Saws.

Penn-Allen Portland Cement Co., Allentown, Pa. Booklet containing description of works, analyses of cement and testimonials of users.

North-West Machinery & Iron Co., Winnipeg. One hundred page catalogue of blacksmiths' and carriage-makers' tools and supplies.

Office Specialty Mfg. Co., Toronto. Folder, showing range of goods made by this company.



LITERARY NOTES.

The Street Railway Journal published a 360-page special number on October 8th, celebrating the completion of its twentieth year of publication. The number is taken up largely with historical articles. The development of street railways during the past twenty years, viewed from various aspects, is dealt with by contributors who are specialists in their respective lines. Interest for Canadian readers attaches to an article on "Electric Railway Work in America Prior to 1888," in which is described and illustrated the railway operated at Toronto Exhibition in 1884 and 1885, one of the earliest lines on the continent. Regular features of the journal are not neglected in this special number, and altogether it is an issue of great attractiveness and value.

Aluminothermics is the title of a lecture delivered by Dr. Hans Goldschmidt, of Essen-Ruhr, Germany, at McGill University, Montreal, on October 7th. The introduction of coal as fuel, and later the discovery of a new fire, the electric arc, have marked the onward strides of civilization. And now comes a new heat-producer—the use of aluminum by the thermit process. By this method great heat is obtained with a speed unattainable by any other process—5,400 deg. F. is reached in about one minute. The lecture explains the chemical reaction, and deals with many applications of the process, which were also explained at some length in the August number of the Canadian Engineer. Wm. Abbott, 334 St. James St.,