

**CANADIAN SOCIETY OF CIVIL ENGINEERS,
REGULAR MEETING, NOV. 5th, 1914.**

The President, Mr. M. J. Butler, C.M.G., occupied the chair. The speaker of the evening was Professor H. E. T. Haultain, M. Can. Soc. C.E., of the University of Toronto. The opening paper was a description of an integrating machine for weighing materials in motion. Mr. Haultain described a device which has been in use in the gas works in Toronto since the beginning of this year, whereby coal is weighed without interruption as it passes over the conveyer system. The explanation was illustrated by models and actual working parts.

The automatic weigher consists essentially of a portion of depressible track over which the conveyer runs. The centre of the depressible track is connected to a series of weighing levers which in turn by their motion impart a movement to an integrator. The integrator travels on a plane circular disk which is caused to revolve by the motion of the conveyer itself. The combination of the rotation of the disk and the side movement of the integrator thereon enables a card to be drawn showing the weight passed over the machine. The introduction of batteries renders it possible to record the weights on an ordinary dial.

Following the curtain raiser Professor Haultain read a paper entitled "The Wielder of the Weapon." This unique and masterly address was followed by an interesting discussion taken part in by Messrs. M. J. Butler, R. A. Ross, Professor Porter, Walter J. Francis, Charles E. Fraser, R. F. Uniacke, Julian C. Smith, and J. M. R. Fairbairn.

PERSONAL.

W. K. MOWATT has been appointed hydro-electric inspector for the city of Brampton.

A. W. THORNE, of St. John, N.B., has been appointed provisional secretary of the New Brunswick Union of Municipalities during the illness of Mr. J. W. McCready.

A. E. PICKERING, formerly manager of the Tagona Light and Power Co., Sault Ste. Marie, is manager for the city of the same concern now that it is taken over by the city.

C. M. WATERMAN, Canadian manager of the Eugene Dietzgen Co., Limited, has returned to Toronto after an extended visit to the firm's head office and factory at Chicago, Ill.

C. A. ELLIS, for several years resident engineer at Winnipeg for the Dominion Bridge Co., has been appointed assistant professor of civil engineering at the University of Illinois.

A. S. FARMER, formerly superintendent in Moncton, N.B., of the natural gas department of the Moncton Tramways Electricity and Gas Co., has resigned to accept a similar position in Oklahoma.

JOHN S. BATES has been appointed superintendent of the Dominion Forest Products Laboratories of McGill University to succeed Mr. A. G. McIntyre, who resigned to take charge of a new paper mill at Bathurst, N.B. Mr. Bates is a graduate of Acadia University in arts and science, and of Columbia University in chemical engineering.

The Canadian Northern Railway is developing a 50,000-h.p. plant from the Sumallo and Nicaloon Rivers, which will be employed in operating the Canadian Northern trains from Port Mann to the False Creek terminals at Vancouver, B.C.

OBITUARY.

Last week the death occurred of Mr. Donald McDermid, Toronto. For many years he had been engaged in railroad construction work. On the mountain division of the C.P.R. he constructed a number of bridges and snow sheds. He was also associated with Mackenzie, Mann & Co. on the C.N.R. At one time he was in partnership with Hon. J. S. Hendrie, now Lieutenant-Governor of Ontario, in the firm of McDermid and Hendrie.

The death has been announced of Mr. Keith Ross Cameron, whose connection with railway building in Ontario is well known. Mr. Cameron was engaged in railway work for some time with the Grand Trunk Railway, and later with the Lake Erie and Detroit River Railway.

BACK COPIES WANTED.

The following back copies of *The Canadian Engineer* are required by one of our Canadian libraries to complete sets for binding:—January 1st, 1907; February 1st, 1907; March 1st, 1907; January 29th, 1909; January 8th, 1912; October 31st, 1912, and January 2nd, 1913. If any of our readers can supply one or more of these copies, we will be glad to extend his subscription one month for each copy returned to this office.

COMING MEETINGS.

AMERICAN HIGHWAYS ASSOCIATION.—Fourth American Road Congress to be held in Atlanta, Ga., November 9th to 13th, 1914. I. S. Pennybacker, Executive Secretary, and Chas. P. Light, Business Manager, Colorado Building, Washington, D.C.

WASHINGTON STATE GOOD ROADS ASSOCIATION.—Convention to be held at Spokane, Wash., November 18th, 19th, and 20th. Secretary, M. D. Lechey, Alaska Building, Seattle, Wash.

ANNUAL MEETING, AMERICAN SOCIETY OF MECHANICAL ENGINEERS.—The annual meeting of the American Society of Mechanical Engineers will be held in New York, December 1st to 4th, 1914. Secretary, Calvin W. Rice, 29 West 39th Street, New York.

AMERICAN ROAD BUILDERS ASSOCIATION.—Eleventh Annual Convention; fifth American Good Roads Congress, and 6th Annual Exhibition of Machinery and Materials. International Amphitheatre, Chicago, Ill., December 14th to 18th, 1914. Secretary, E. L. Powers, 150 Nassau Street, New York, N.Y.

CANADIAN NATIONAL CLAY PRODUCTS ASSOCIATION.—Annual Convention to be held at the King Edward Hotel in Toronto, January 26, 27, and 28, 1915. Secretary, G. C. Keith, 32 Colborne Street, Toronto.

EIGHTH CHICAGO CEMENT SHOW.—To be held in the Coliseum, Chicago, Ill., from February 10th to 17th, 1915. Cement Products Exhibition Co., J. P. Beck, General Manager, 208 La Salle Street, Chicago.

AMERICAN WATERWORKS ASSOCIATION.—The 35th annual convention, to be held in Cincinnati, Ohio, May 10th to 14th, 1915. Secretary, J. M. Diven, 47 State Street, Troy, N.Y.

SOCIETY FOR THE PROMOTION OF ENGINEERING EDUCATION.—Annual meeting to be held at the Iowa State College, Ames, Iowa, June 22nd to 25th, 1915. Secretary, F. L. Bishop, University of Pittsburgh, Pittsburgh, Pa.