In the municipal field there are few possible investments that would be so immediately productive as the metering of all water services.

PERSONALS

CHARLES FREDERICK GRAY, consulting electrical engineer, has been elected mayor of Winnipeg, Man., for the coming year, having defeated the present mayor at the recent election by over 4,000 majority. Mayor Gray was born December 17th, 1879, in England, and was educated at Dulwich College, London. After two years on an English trading vessel, and some months in the Ballarat gold fields of Australia, he came to Canada in 1897, and for two years was engaged in telephone line construction in British Columbia. After a brief experience in New York, he returned to British Columbia in 1900 as engineer in charge of the West Kootenay Power and Light plant. Again going to New York in 1902, he joined the staff of the Interborough Rapid Transit Co., and was chief high tension operator for two years. From 1904 to 1906 he was engineer in charge of erection during the electrification of the Metropolitan District Underground Railroad, London, Eng., and was superintendent of operation until the system was turned over to the London County Council. Returning to Canada in 1906, he became construction superintendent of the Canadian Westinghouse Co., and for six years was in charge of the installation of that company's machinery in many large power plants in every province of the Dominion. On May 1st, 1912, he entered private practice and has since been consulted by the city of Winnipeg and other municipalities, the C.P.R., and a number of manufacturing firms of various kinds. For several years he has served on the Board of Control of Winnipeg. Mayor Gray is a member of the American Institute of Electrical Engineers and an associate member of the Institution of Electrical Engineers of Great Britain.

SIR HENRY DRAYTON intends to resign as Power Controller on January 1st and the office will be abolished.

WILLIAM M. KINNEY has been appointed general manager of the Portland Cement Association, Chicago, to succeed H. E. Hiltz, resigned.

F. H. NEWELL, professor of civil engineering at the University of Illinois, will soon address the Toronto branch of the Engineering Institute of Canada on reconstruction problems.

E. DESJARDINS, of the Intercolonial Railway Co., has been appointed superintendent with headquarters at Levis, to supersede J. E. Marazin, who has been promoted to the position of General Superintendent of Government Railways.

J. E. MARAZIN, who for some years past was superintendent of the Intercolonial Railway at Levis, has been appointed to the position of General Superintendent of Government Railways with jurisdiction from Montreal to St. Flavie.

ROLAND C. HARRIS, Commissioner of Works of the city of Toronto, will address the Toronto Section of the American Institute of Electrical Engineers on January 17th at the Engineers' Club. Mr. Harris will discuss civic engineering in general and the Bloor Street Viaduct in particular.

DR. SAUL DUSHMAN, of Schenectady, N.Y., addressed the Toronto Section of the American Institute of Electrical Engineers December 6th on "Some Recent Applications of the Election Theory," making a number of demonstrations with apparatus from the General Electric Company's laboratory.

MAJOR BRUCE HARKNESS, of Edmonton, Alta., has been commissioned Lieut.-Colonel of his present battalion, the 19th Pioneer Battalion, Welsh Regiment. Major Harkness has been overseas for three and one-half years. Previous to enlisting with the Canadian Engineers, he was connected with the construction of the Edmonton and Dunvegan Railway.

E. L. COUSINS, general manager and chief engineer of the Toronto Harbor Commission, has been appointed industrial commissioner for the city of Toronto. Mr. Cousins will undertake this duty in addition to his present work. There will be no salary attached to the new office. The appointment was made by the Board of Control after conference with the Board of Trade, the Harbor Commissioners, and the Hydro-Electric Power Commission of Ontario.

SERGT. H. T. EATON, of Hamilton, has been commissioned a lieutenant in the Canadian Engineers. Prior to the outbreak of the war, he was engaged in Controller Tyrrell's office as a civil engineer. He left Hamilton for Valcartier in 1914, and proceeded to the front with the 1st field troop, Canadian Engineers, with which unit he has been serving ever since. Lieut. Eaton spent three years in science courses at Toronto University, and was formerly a member of the Queen's University Engineering Corps.

LIEUT. OLAF P. HERTZBERG, who went overseas in August, 1914, as a private in the 3rd Battalion, Queen's Own Rifles, has been awarded the Military Cross. After transfer to the 5th Battalion, he was wounded and was invalided home, but returned overseas with the Canadian Railway Construction Troops and is still in France. Before the war Lieut. Hertzberg was connected with the C.P.R. engineering department. He is a son of A. L. Hertzberg, division engineer of the C.P.R. at Toronto, and a grandson of the late Col. Hertzberg, Royal Engineers, Norway, and of the late Capt. W. F. McMaster, Toronto.

LIEUT. J. R. MCCOLL, of the 11th Battalion, Canadian Engineers, has been awarded the Military Cross for distinguished service in action performed on September 4th. Lieut. McColl was a fourth year School of Science man at the University of Toronto, and enlisted as a private with the 124th Canadian Infantry in January, 1916, with which unit he went overseas, receiving his commission in England in January, 1917. He was then attached to the 124th Canadian Pioneers and saw almost continuous service in France until October 2nd, when he was wounded at Cambrai. He was then serving with the 11th Battalion, Canadian Engineers, having received his transfer to that unit in June. He is at present convalescing in the General Hospital, Manchester, England.

PUBLICATIONS RECEIVED

STANDARDIZED ELEVATORS.—Catalogue No. 244, issued by the Jeffrey Manufacturing Co., of Columbus, Ohio, and Montreal, P.Q. Forty pages are devoted to details of numerous styles of elevators used in handling wide range of materials. One page is given to each standard elevator, which is illustrated both in perspective and in line drawing giving dimensions. There is also an illustration showing the chain and bucket used with each type and at the bottom of each page is given the full specification applying to that particular elevator. 8½ x 10¾ ins., 72 pp. and stiff cardboard cover, coated paper, two colors.