

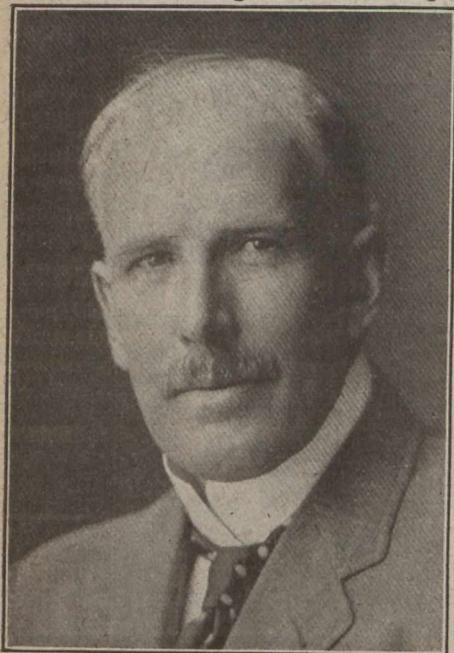
PERSONALS

A. W. ROBERTSON, contractor, of Montreal, has joined the board of directors of the Capital Trust Corporation, Limited, Ottawa.

R. G. EDWARDS, of the Canadian Pacific Railway Co., Co., has been appointed assistant superintendent of the Windsor subdivision.

J. R. CASWELL, of the Canadian Pacific Railway Co., has been appointed division engineer, replacing Mr. Silliman, who has resigned.

HON. CHARLES ALEXANDER MAGRATH, chairman of the Canadian section of the International Joint Commission, and Fuel Controller of Canada, whose duties were recently increased by his appointment as Director of Coal Operations for Nova Scotia and New Brunswick, was born April 22nd, 1860, in North Augusta, Ont. He was educated privately and became a provincial land surveyor



for Ontario, Quebec and Manitoba, and later a D.L.S. and a D.T.S. Not long ago he was elected a member of the Engineering Institute of Canada. Mr. Magrath went to the North-West Territories in 1878 and practised surveying there for seven years. He was land agent for the Alberta Railway and Coal Company and became prominently identified with development

work as manager of the Canadian Northwest Irrigation Co., operating extensive irrigation works in southern Alberta. Mr. Magrath represented Lethbridge in the Provincial Legislature from 1891 to 1902, being elected twice by acclamation. He sat in Mr. Haultain's administration without office from 1898 to 1901. In 1908 he was elected to the House of Commons as representative for Medicine Hat, but was defeated in 1911 on account of his opposition to the Taft-Laurier reciprocity agreement. In November, 1910, he was appointed permanent chairman of the conservative caucus of the House of Commons. Mr. Magrath is the author of "Canada's Growth and Some Problems Affecting It" (1910), and of a number of articles and lectures on western problems and on international relations. He was among those selected to represent the House of Commons at the coronation of King George in June, 1911. He has been Fuel Controller of Canada since the creation of that office in June, 1917. He has been chairman of the Canadian section of the International Joint Commission since January, 1915, and a member since the organization of that body in 1912, and in that capacity, as well as in connection with the fuel control problems, he has rendered conspicuous national service.

LIEUT. H. N. DARLING, who went from Toronto with the C.P.R. Battalion of Railway Construction, has received a bar to his Military Cross.

M. W. BARD has been appointed acting superintendent of the Farnham Division, C.P.R., in place of J. B. Blair, who has been transferred to the position of superintendent of the Montreal Terminals Division.

RICHARD WRIGHT, who has been assistant chief architect of the Public Works Department, Ottawa, for some years past, has been promoted to be chief architect. Mr. Wright takes the place vacated by E. L. Horwood.

JOHN COYLE, who for nearly ten years has been manager of the Dominion Equipment and Supply Co., of Winnipeg, has organized a new firm in that city to handle new and used equipment and machinery. The firm will be known as the John Coyle Co., with offices in the Curry Building, 208 Notre Dame Avenue.

OBITUARIES

WILLIAM KENT, a well-known authority on the properties of structural iron and steel, died September 18th at Gananoque, Ont. He was the author of "Kent's Mechanical Engineers' Handbook" and of several other books dealing with mechanical engineering subjects.

MAJOR ROSS CAMERON, formerly sales manager of the William Hamilton Co., Ltd., of Peterboro, Ont., was killed in action about August 30th. Major Cameron was born in Peterboro, and was connected with the William Hamilton Co. throughout his business career of about eighteen years. He left Canada as a lieutenant with the 39th Battalion, and after that battalion was broken up, he was appointed as instructor in a reserve battalion in England, and in that work won his captaincy and majority, becoming second in command. Early this year he reverted to captain in order to go to France. Major Cameron's only brother is also at the Front.

MAIN DRAINAGE AND ITS RELATION TO RIVER AND HARBOR FRONT IMPROVEMENTS

(Continued from page 302)

By this new plan the commission agreed to pay the amount estimated by the lowest reliable bidder on a unit price bid, plus a fee of \$12,000, which will be increased by 25 per cent. of the saving over the estimated cost and decreased by 10 per cent. of any amount that the work costs more than the agreed estimate.

Bids were closed on August 22nd, and the contract awarded on an estimated cost by the low bidder of \$108,600, not including the fee.

Where river and harbor front improvements are needed, experience has demonstrated that an adequate system of main drainage must be provided which will take care of nuisances due to the discharge of the raw sewage at improperly located outlet.

This can generally be secured by intercepting sewers collecting the flow from the sewers installed during the early life of the community.

The design of these interceptors may involve special problems of diversion and pumping, as well as estimates of future population and sewage flow and consideration of sewage treatment.

The designs should be made on the basis of a comprehensive study as soon as conditions permit to ensure that lateral sewers will fit in with the final project without increasing the expense of the latter unduly.