

The Glen Road Bridge, Toronto, will be rebuilt by the Canada Foundry Company, at a cost of \$28,900.

A by-law to issue debentures for \$50,000 for an electric lighting plant, at Ottawa, Ont., has had its first reading.

M. P. Davis, who has completed the piers of the Quebec bridge, has received from the Bridge Company a contract which, with others to follow, will amount to \$3,000,000.

In Dawson City, during winter, water is sold by nickel-in-the-slot machines, five gallons being obtained for a nickel.

Ottawa, Ont., proposes to construct a municipal conduit system for all power, light, and telephone wires.

## Personal.

C. E. Cartwright has been appointed acting engineer to the C.P.R., at Winnipeg, Man.

The death is announced of George McLeod Spotswood, M.E., a Canadian mining expert, in San Francisco.

Charles H. Hines has been appointed chief electrical engineer to the C.P.R., and will supervise all electrical matters, including power and lighting.

W. J. Camp, superintendent of the eastern division C.P.R. telegraphs, has been appointed chief electrical engineer to the whole telegraph system of that company.

Graham Fraser, managing director of the Nova Scotia Steel and Iron Co., will act in advisory capacity only to the Dominion Iron and Steel Company. He has not resigned, as reported.

Reginald C. McArthur, a graduate of the School of Practical Science, Toronto, has been appointed resident engineer for the Western division of the C.P.R., with headquarters at Calgary, Alberta.

A. Fraser, son of Graham Fraser, New Glasgow, has been appointed superintendent of the blast furnaces at Sydney, N.S., to replace J. H. Means, who has gone to the American Steel Co.

Sir Percy Girouard, the Commissioner of Railways in the Transvaal and Orange River Colonies, is the first soldier and the first colonial to receive the freedom of the Iron-mongers' Guild, of London, Eng.

H. G. Tyrrell, bridge engineer, formerly of Boston, has been appointed chief engineer of the Brackett Bridge Co., of Cincinnati, Ohio. Mr. Tyrrell, who has worked out some very difficult problems in bridge engineering, is of Canadian birth and education.

In the paragraph of last issue referring to the re-organization of the Westinghouse Electric Mfg. Co.'s Canadian business, it should have been stated that T. C. Frenyear is sales manager for the whole Dominion for the Canadian Westinghouse Co., with headquarters in the Lawlor Building, Toronto.

The King has invested the following Canadians with the Imperial Service Order: Robt. Bell, M.D., LL.D., Acting Director, Geological Survey, Ottawa; Edwin Gilpin, Deputy Minister of Public Works, Nova Scotia; David Ewart, chief architect, Public Works Department, Ottawa.

It is stated that E. A. Doucet, chief engineer of the Lake St. John railway, will be the chief Government engineer of the Grand Trunk Pacific Railway. G. A. Mountain, chief engineer of the Canada Atlantic, is also mentioned as Government engineer for the eastern division from Moncton, N.B., to Winnipeg, Man.

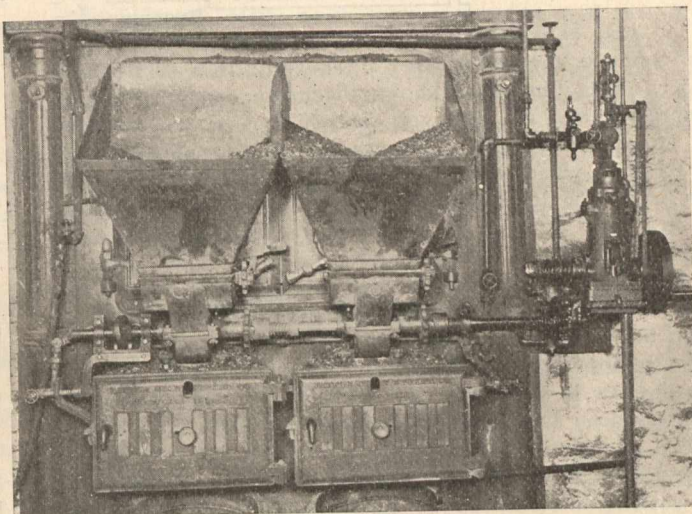
## DEATH OF E. W. RATHBUN.

A prominent Canadian "captain of industry" is lost to the Dominion by the death, last month, of E. W. Rathbun, head of the Rathbun Co., of Deseronto. At a turn in the commercial and manufacturing affairs of Canada, when ordinary men were either despondent or were discussing the nostrum of political submission to our United States neighbors, as a remedy for depressed trade, Mr. Rathbun was one of those who fearlessly exploited new ideas and new methods

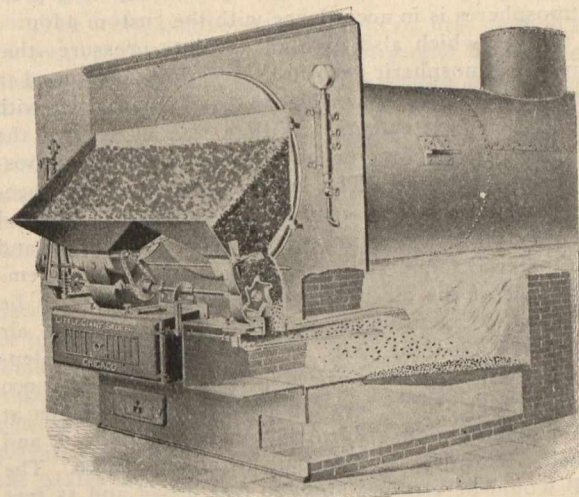
of creating trade. The working out of new processes for making chemicals and by-products from the refuse lumber and saw-dust of his company's large mills, and the development of trade with foreign countries was resolutely and successfully undertaken, and these and the cement works, the roller process flour mills (of which he was the pioneer), and special lines of manufacture in wood, as well as the construction of railways, such as the Bay of Quinte Railway, for the express purpose of supplying his own factories, remain striking monuments to his skill and indefatigable industry. Mr. Rathbun died from an affection of the heart at the comparatively early age of 62.

## LITTLE GIANT MECHANICAL STOKER.

The Chicago Pneumatic Tool Co., Fisher Building, Chicago, have placed on the market a mechanical stoker, which they designed with the object of getting over defects disclosed by other mechanical coal feeders. This stoker can



be attached to any boiler front in a few hours, and without damage; and it will work with slack and the cheaper grades of coal. Its main features will be seen by accompanying cuts. The coal, after being dumped in the hoppers, passes over a revolving cogged wheel, which regulates the flow. It then passes into the slowly oscillating spreader, shown in the second engraving. This spreader moving slowly backwards and forwards distributes the coal evenly, permitting only such a quantity to enter as the conditions may require,



and distributing it in such a manner as to cause an even incandescent fire of intense heat. There is no mechanical action that is dependent upon the complete consumption of the coal, no dumping of partly consumed coal in ash pits; the oscillating spreader, it is claimed, distributes the fuel in such a manner that the most remote portions of the grate are covered with as intense a fire as the centre. The makers of this stoker issue a bulletin giving a fuller description, which will be sent to those interested.