

Of the 550,000 cubic yards of material in the dam, 427,000 cubic yards was placed in position by sluicing, the remainder—consisting of heavy rock toes—being placed by electrically operated cableways.

A description was also given of the intake works for the supply of water to New Westminster, and some interesting data regarding the rainfall in this part of British Columbia, which has varied at Coquitlam between the extremes of 132 inches and 190 inches, the average being 153 inches per annum.

At the conclusion of the paper an interesting discussion took place and many questions were asked the lecturer.

### CALGARY BRANCH, CANADIAN SOCIETY OF CIVIL ENGINEERS.

The Calgary Branch of the Canadian Society of Civil Engineers held its second dinner of the season at the Alexandra Hotel at 6.30 p.m., February 3, 1916. About 70 members and guests were present. After the dinner Mr. C. D. Howe, chief engineer, Dominion Government Grain Commission, addressed the society on the subject of "Government Elevator Construction." His address was fully illustrated with lantern slides. It was listened to with much interest by the members present and a general discussion followed.

The Calgary Branch expects to be favored with an address by Mr. J. G. Sullivan, chief engineer, Canadian Pacific Railway Company, on the Roger's Pass Tunnel, at an early date.

### PERSONALS.

THOS. RODGER has been appointed superintendent of telegraphs for the Grand Trunk Railway System.

JAMES MACKINTOSH, of Hydrogen, Ont., has been elected an associated member of the Institution of Civil Engineers (London).

C. W. PRICE, formerly assistant superintendent of the Sydney Division of the Intercolonial Railway, has been appointed terminal manager at Moncton, N.B.

F. M. BRICKENDEN, until recently a member of the city engineer's staff of London, Ont., is now a lieutenant in the Engineers' Training Depot, Ottawa.

A. J. LATORNELL, B.A.Sc., A.M. Can. Soc. C.E., has resigned his position as city engineer of Edmonton, Alta., in order to enlist for overseas service. Mr. Latornell has been city engineer of Edmonton since 1908, for two years prior to which he was assistant city engineer.

C. W. BAKER, B.Sc., of the Canadian Westinghouse Company, addressed a meeting of the Hamilton Scientific Association last week on the subject of "The Development and Utilization of Electricity."

K. F. NYSTROM, chief draughtsman of the car department of the Grand Trunk Railway, addressed the February meeting of the Canadian Railway Club on "Improvement in Passenger Car Construction and Design."

Lieut. R. H. HOPKINS, formerly a lecturer in electrical engineering, University of Toronto, and a lieutenant in the C.O.T.C., but at present attached to the 39th Battalion, now in England, was severely injured in a motor car accident, in which his brother, Lieut.-Col. F. H. Hopkins, lost his life.

JOHN HADDIN, M.Can.Soc.C.E., A.M.I.C.E., and E. L. MILES, A.M.Can.Soc.C.E., who have for many years been in partnership as consulting engineers under the name of the John Galt Engineering Co., Limited, have changed the firm name to Haddin & Miles, Limited. They are retaining their offices and organization in Winnipeg and Calgary as previously.

Sergeant GEO. LAW, formerly superintendent for Foley Bros., Welch and Stewart on railway construction, and later with the Cook Construction Company on the double-tracking of the C.P.R. west of Sudbury, Ont., has received the Distinguished Conduct Medal. Sergeant Law is with the 2nd Field Company, Canadian Engineers, and went to the front with the First Contingent.

Lieut. JAMES CAMPBELL McDONALD, B.A., A.M.Can.Soc.C.E., graduate of Dalhousie University, Halifax, N.S., and now in the Engineering Corps of the 1st Canadian Contingent, has, according to a recent list of honors to officers and men of the Canadian Expeditionary Force, been awarded the Military Cross. Lieut. McDonald served in the South African war under Major Stairs, of Halifax, and in recent years was with the firm of Cleveland & Cameron, Vancouver.

### OBITUARY.

The death occurred in Winnipeg on February 2nd of Mr. Duncan MacDonald, a well-known railway contractor of Western Canada. The deceased was in his 75th year.

The death occurred in London, Eng., on February 9th of Sir Charles Rivers-Wilson, formerly president of the Grand Trunk Railway, which position he held from 1895 to 1909. For 20 years previous to this distinctive connection with railway development in Canada the deceased was associated with the construction and operation of the Suez Canal.

### THE USE OF INFILTRATION GALLERIES IN WATER SUPPLY.

(Continued from page 262.)

successful results on Long Island show the maximum possibility of such a supply.

In tropical countries, where there exists so strong a prejudice against the use of stored surface water for a public water supply, due to the deterioration resulting from the luxuriant vegetable growth abounding in such waters, the use of an infiltration gallery is often advisable. The natural purification which takes place in the water while passing from the surface reservoir to the infiltration gallery has been found to be effective. The ability to economically produce a good, clean potable supply even from a very inferior raw water by double filtration, or by other methods, has not been generally recognized. It appears that ground waters are largely preferred, and the proper use of infiltration galleries alone or as a supplement to a well supply is an important matter.

### TORONTO BRANCH, CANADIAN SOCIETY OF CIVIL ENGINEERS.

A special meeting of the above society will be held on Friday, February 18th, to consider the nominations for the reorganization committee of the society.