

surroundings of the harbor immediately. The work of building the causeway will be for the city works department, \$155,000 having been appropriated for the preliminary expenses of the project. Ald. S. J. Crowe, chairman of the Civic Board of Works, declared recently that he was in favor of calling for tenders for the causeway immediately so that the city could go ahead with the work first thing in the spring, or as soon as money was available. Plans were passed some time ago by the Civic Bridges and Railways Committee, and they are said to have been drawn up with a view to conforming to the Mawson scheme. Chairman W. R. Owen, of the Park Board, said that the Board had asked for the approval of only the ground plan drawn up by Mr. T. H. Mawson, and that the work to be done, while gradual in effect, would conform to the general plan. In the meantime, the Park Board, he said, would trim up Coal Harbor and as soon as possible begin to fill in round the edges until the circular lake was formed. There was no intention in the plan of doing a great deal of expensive embankment work at once, but grassy slopes would likely be the scheme at first.

**Montreal, Que.**—Early in the morning of December 10th, at a point some 620 feet below the highest point of Mount Royal, the two headings of the Canadian Northern tunnel met almost exactly fifteen months after the first heading in the tunnel was commenced, and on the same day the first train ran through the tunnel from the west portal to the Dorchester Street shaft. Though the two heads started over three miles away from one another, when they were joined the grades were practically the same. Guests invited to make the first journey through the tunnel included Chief Justice Sir Charles Davidson, Acting Mayor Drummond, Controller Dupuis, Mr. Cowie, chief engineer of the Harbor Commission, J. E. Dalrymple, vice-president of the Grand Trunk Railway, David McNicoll, vice-president of the C.P.R., Mr. Fairbairn, chief engineer of the C.P.R., Mr. Safford, chief engineer of the Grand Trunk Railway, Phelps Johnson, managing director of the Dominion Bridge Company, Prof. McLeod, secretary of the Canadian Society of Civil Engineers, G. H. Duggan, vice-president of the Dominion Bridge Company, and Professors Adams, Porter and Bancroft, of McGill University. This establishes a new record for deep tunnelling on the American continent and takes the record from the United States, while, with the exception of certain of the Swiss tunnels, where the headings are much smaller and the rocks softer, the achievement of the Canadian Northern engineers is a world's record.

### PERSONAL.

W. D. L. HARVIE and M. A. REID have been elected public utilities commissioners for Lethbridge. ALEX. GRACE received the appointment of public works commissioner.

A. D. SMITH, for some time manager of the Western Electric Company at Fort William, Ont., has been appointed electrical inspector for that city, to assume duties January 1st.

J. K. SKAMMELL, District Engineer for the Department of Public Works at Fredericton, N.B., has been obliged to discontinue his services for the time being owing to severe accidental injury sustained recently.

HON. ADAM BECK, Chairman of the Hydro-Electric Power Commission of Ontario, who was in New York last week in an advisory capacity respecting the feasibility of power development, sailed for England on the 13th instant.

T. H. HOGG, B.A.Sc., has been appointed to succeed Mr. C. H. Mitchell, C.E., as one of the representatives of the graduate body of the Faculty of Applied Science on the Senate of the University of Toronto, Mr. Mitchell having recently resigned.

TH. SEIDL, Manager and Chief Engineer of Messrs. Escher, Wyss & Company, Montreal, started on a short trip to Switzerland on the 16th December. Mr. Seidl expects to be back in Montreal on 20th January. During his absence Mr. Withers will be in charge of the office.

ARTHUR H. BLANCHARD, M. Can. Soc. C.E., professor in charge of the graduate course in highway engineering at Columbia University, on December 6th delivered an illustrated lecture on "Modern Developments in Highway Engineering" before the Drexel Institute of Philadelphia.

J. T. BRECKON, hydraulic engineer, Vancouver, has been recommended to take charge of Vancouver waterworks system under Mr. F. L. Fellowes, Supervising City Engineer. Mr. Breckon is a native of Oakville, Ont. He has had twenty-five years' experience in Canada and the United States in connection with waterworks, power plants, water supply and sewage disposal systems. Since September, 1912, he has been in charge of the design and construction of the waterworks system for the Associated Cement Company at Bamerton, B.C.

### BACK COPIES WANTED.

One of our subscribers, anxious to bind his copies of *The Canadian Engineer*, is minus the following issues: Feb. 19th, 1909; May 4th, 1911; May 11th, 1911; May 18th, 1911; May 25th, 1911; June 1st, 1911, and would be glad to pay 25 cents per copy for any of them. Will subscribers who happen to have these numbers, and who do not care to keep them, kindly send them in to this office, and we will see to it that they are put into the hands of the party interested?

### MANITOBA BRANCH CANADIAN SOCIETY OF CIVIL ENGINEERS.

At the annual meeting of the Canadian Society of Civil Engineers, held in Winnipeg on the 4th instant, Professor E. Brydone-Jack was elected chairman for the ensuing year, with Mr. G. E. Bell as Secretary-Treasurer. It will be remembered that Professor Brydone-Jack was secretary last year, while Mr. J. G. LeGrand was chairman. The new secretary may be communicated with at Box 2918, Winnipeg.

It is reported that on Dec. 2nd a mechanical section of the Canadian Society of Civil Engineers, Manitoba Branch, was organized. Mr. A. C. Frith was chosen chairman of this section; Mr. R. R. Neild, vice-chairman, and Mr. J. F. Tracey, secretary. The executive committee consists of Messrs. J. W. Dorsey, S. S. Kennedy, T. L. Roberts, W. J. Gilmore, W. Jardine, and R. Milne. The next meeting of the section will be held on the first Monday in January.

### COMING MEETINGS.

AMERICAN SOCIETY OF AGRICULTURAL ENGINEERS.—Seventh Annual Convention will be held at Great Northern Hotel, Chicago, December 29th to 31st. Secretary, I. W. Dickerson, Urbana, Ill.

MINING AND METALLURGICAL SOCIETY OF AMERICA.—Annual Meeting will be held in New York City, January 13th, 1914. Secretary, W. R. Ingalls, 505 Pearl Street, New York.

AMERICAN CONCRETE INSTITUTE.—Tenth Annual Convention to be held in Chicago, February 16th to 20th, 1914. Secretary, E. E. Krauss, Harrison Building, Philadelphia, Pa.