

respondingly reducing the fore apron to 50 or 75 feet, the thickness could then remain as it is in the drawing. This example is useful as showing the ease with which the design can be altered by manipulation of the length of the rear apron and depth of rear curtain, till the most economical arrangement is arrived at.

### RAILWAY ORDERS.

(Continued.)

5427—October 16—Granting leave to the Manitoba Government Telephone Commission to erect, place, and maintain its wires across the C.P.R. at Public Crossing 3½ miles east of Burnside Station, Man.

5428—October 16—Granting leave to the Manitoba Government Telephone Commission to erect, place, and maintain its wires across the C.P.R. 100 yards east of Manitou, Man.

5429—October 16—Authorizing the town of Montreal West, to lay water pipe under tracks of the G.T.R. on the line of Inspector Avenue, Montreal West, P.Q.

5430—October 16—Granting leave to the Manitoba Government Telephone Commission to erect, place, and maintain its wires across the tracks of the C.P.R. four miles north-east of Portage la Prairie, Man.

5431—October 16—Granting leave to the Muncip. Corp. Tp. Smith, to construct highway on line and width of Dumble Avenue across lands and tracks of Chemong Branch G.T.R., Township Smith, County Peterboro, Ontario.

5432—October 16—Granting leave to the Bell Telephone Company to erect, place, and maintain its aerial wires across G.T.R. at public crossing 2 miles east of Port Colborne, Ont.

5433 to 5436 inclusive—October 16—Granting leave to the Bell Telephone Company to cross with its wires the tracks of the G.T.R. at four different points in the Province of Ontario.

5437—October 16—Granting leave to the Norfolk County Telephone Company to erect, place, and maintain its wires across the track of G.T.R. at public crossing between townships of Townsend and Wingham, at Norfolk St., Simcoe, Ont.

5438—October 16—Granting leave to the Manitoba Government Telephone Commission to erect, place, and maintain its wires across track of C.P.R. 300 feet east, Rathwell, Man.

5439—October 16—Granting leave to the Manitoba Government Telephone Commission to erect, place, and maintain its wires across the track of the C.P.R., ½ mile east of Wheatlands, Man.

5440—October 16—Granting leave to the Manitoba Government Telephone Commission to erect, place, and maintain its wires across the track of the C.P.R. 1½ miles east of Burnside Station, Man.

5441—October 13—Granting leave to the Arundel Telephone Company to erect, place, and maintain its wires across the track of the Canadian Northern Quebec Railway at Huberdeau, Arundel, Batesville, and Weir, P.Q.

### ENGINEERING SOCIETIES.

ARCHITECTURAL INSTITUTE OF CANADA.—President, A. F. Dunlop, R.C.A., Montreal, Que.; Secretary, Alcide Chaussé, P.O. Box 259, Montreal, Que.

CANADIAN RAILWAY CLUB.—President, L. R. Johnson; Secretary, James Powell, P.O. Box 7, St. Lambert, near Montreal, P.Q.

CANADIAN STREET RAILWAY ASSOCIATION.—President, J. E. Hutcheson, Ottawa; Secretary, Acton Burrows, 157 Bay Street, Toronto.

CANADIAN INDEPENDENT TELEPHONE ASSOCIATION.—President, J. F. Demers, M.D., Levis, Que.; Secretary, F. Page Wilson, Toronto.

CANADIAN SOCIETY OF CIVIL ENGINEERS.—413 Dorchester Street West, Montreal. President, J. Galbraith; Secretary, Prof. C. H. McLeod. Meetings will be held at Society Rooms each Thursday until May 1st, 1908.

QUEBEC BRANCH OF THE CANADIAN SOCIETY OF CIVIL ENGINEERS.—Chairman, E. A. Hoare; Secretary, P. E. Parent, P.O. Box 115, Quebec. Meetings held twice a month at Room 40, City Hall.

TORONTO BRANCH OF THE CANADIAN SOCIETY OF CIVIL ENGINEERS.—96 King Street West, Toronto. Chairman, C. H. Mitchell; Secretary, T. C. Irving, Jr., Traders Bank Building. Regular monthly meeting, October 29th.

MANITOBA BRANCH OF THE CANADIAN SOCIETY OF CIVIL ENGINEERS.—Chairman, H. N. Ruttan; Secretary, E. Brydone Jack. Meets first and third Friday of each month, October to April, in University of Manitoba.

ENGINEERS' CLUB OF TORONTO.—96 King Street West. President, J. G. Sing; Secretary, R. B. Wolsey. Meeting every Thursday evening during the fall and winter months.

CANADIAN ELECTRICAL ASSOCIATION.—President, N. W. Ryerson, Niagara Falls; Secretary, T. S. Young, Canadian Electrical News, Toronto.

CANADIAN MINING INSTITUTE.—413 Dorchester Street West, Montreal. President, W. G. Miller, Toronto; Secretary, H. Mortimer-Lamb, Montreal.

CANADIAN CEMENT AND CONCRETE ASSOCIATION.—President, Peter Gillespie, Toronto, Ont.; Vice-President, C. T. Pulfer, London, Ont.; Secretary-Treasurer, Alfred E. Uren, 62 Church Street, Toronto.

NOVA SCOTIA SOCIETY OF ENGINEERS, HALIFAX.—President, J. H. Winfield; Secretary, S. Fenn, Bedford Row, Halifax, N.S.

AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS (TORONTO BRANCH).—W. G. Chace, Secretary, Confederation Life Building, Toronto.

AMERICAN SOCIETY OF MECHANICAL ENGINEERS.—29 West 39th Street, New York. President, H. L. Holman; Secretary, Calvin W. Rice.

### SOCIETY NOTES.

#### American Electro-chemical Society.

The fourteenth annual meeting of the American Electro-chemical Society will be held at Chemists' Club, 108 West Fifty-fifth Street, New York, on October 30th and 31st.

The programme is well arranged, and the subject to be discussed cover a wide field. Some of the papers of general interest are "The Corrosion of Underground Structures," by Albert F. Gang; "Electrolytic Corrosion of the Bottom of Oil Tanks," by A. A. Knudson; "The Sash Steel Process and the Electric Furnace," by F. A. Fitzgerald; and "The Correct Methods of Measuring Stray Currents," by Claytor H. Sharp.

#### The Institution of Municipal Engineers.

At a meeting of the Council of the Institution, held at the Bedford Hotel, Southampton Row, London, W.C., on Friday, October 9th, 1908, 40 applications for membership were considered. Of these 26 were accepted. The membership roll now stands at 345.

The Secretary reported that an agreement for the tenancy of offices at 39 Victoria Street, Westminster, S.W., had been entered into, and members are requested to note the consequent change of address.

At the general meeting held later, Mr. Charles A. Fortune, City Surveyor of Bath, in the chair, the draft of the proposed by-laws of the Institution, which had been circulated among the members, was considered and approved, and an amended copy will shortly be sent to each member. The only alteration of any moment is the inclusion of a clause setting forth that the designatory agnomen for members is "M.I. Mun. E."

#### A New Association.

On Wednesday, December the 9th, 1908, there will be a meeting of men interested in Gas and Gasoline Engines, held at the Auditorium Hotel, Chicago. It is expected this will be an organization meeting for a new association. The call is issued by M. A. Loeb, of the Rock Island Battery Company, Cincinnati, Ohio.