

and freely with (*name of individual to be inserted*), who has been designated to take charge of corresponding duties on behalf of the (*name of country to be inserted*), to arrange for the division of the field work and for co-operation in the preparation of the desired plans and estimates. While it is clear that the field work necessary to complete existing information may properly and advantageously be divided, co-operation and unity in the preparation of plans and estimates seem preferable.

It will be noted that the reference to the Joint Commission contemplate four different general schemes or methods of improvement as follows:

- (a) By means of locks and navigation dams in the river.
- (b) By means of locks and side canals.
- (c) By a combination of the two preceding methods.
- (d) By means of locks and power dams.

The plans and estimates should definitely cover these four general schemes or methods of improvement, but other variations of them may be considered and, if deemed desirable, also presented to the Commission.

The channels to be considered are to be of 25 and 30 feet depth at low water, and the plans and estimates should be prepared correspondingly. A choice between them will, under the terms of the reference, be made by the Commission.

As detailed plans cannot be prepared within the time limit of one year fixed for this work, it is desired that merely outline plans and lump sum estimates, based upon experience from similar work—such as the enlargement of the Welland Canal, and power development at Niagara Falls, should be submitted.

The general schemes should be furnished to the Commission, showing—first, the best for navigation alone and, second, for the most efficient utilization of the waters of the St. Lawrence for navigation and power, together with the approximate costs thereof.

As the handling and disposal of ice is a fundamental difficulty on the St. Lawrence river, the arrangements regarded as being necessary for this purpose should be discussed as well as those recommended for ice disposal during the construction period and thereafter.

Regulation of the levels of Lake Ontario so as to equalize the discharge of the St. Lawrence may be desirable in the interest of navigation, of ice disposal, and of power development. If the plans include any provisions for such regulation, an explanation should be furnished to make clear just what is proposed.

Finally, you are requested to keep the International Joint Commission fully advised of your progress and to maintain close and sympathetic touch with it so as to insure complete co-ordination.

Construction Industries Conference at Ottawa

Constitution Adopted and Permanent Form of Organization Effected—Reports on Labor, Standard Practices and Business Relations — New National Association of General Contractors Formed with J. B. Carswell as President

FORMAL organization of the Association of Canadian Building and Construction Industries was perfected at a conference of general contractors, sub-contractors and supply dealers, held Monday, Tuesday and Wednesday of last week at Chateau Laurier, Ottawa. A comprehensive constitution and by-laws were adopted and a new executive elected as follows:—

President, J. P. Anglin, of Anglin, Norcross, Ltd., general contractors, Montreal; first vice-president, J. B. Carswell, of the Carswell Construction Co., general contractors, Toronto; second vice-president, James Mackie, of the James Mackie Co., Ltd., Winnipeg; secretary, James Phinnemore, painting contractor, Toronto; treasurer, G. A. Crain, general contractor, Ottawa.

The attendance at the conference last week was not so large as at the first conference, which was held in November, 1917, at Ottawa, nor was there quite the same enthusiasm that characterized the first conference, but on the other hand there was an expressed determination to carry out the organization of the association upon business-like lines.

The attendance totalled 86. Of these, 34 were from Ottawa; of the other 52, some came from as far west as Calgary and some as far east as St. John, N.B. There were 39 general contractors at the meeting, of whom 11 were from Ottawa and 28 from outside points. Of the 14 sub-contractors in attendance, 8 were Ottawa men; and of the 27 supply dealers, 13 were from outside of Ottawa.

Following is a list of general contractors who attended the conference: J. S. C. Adamson, Ottawa; J. P. Anglin, Anglin-Norcross, Ltd., Montreal; J. B. Carswell, Carswell Construction Co., Toronto; A. W. Cassidy, A. W. Cassidy & Co., Saskatoon; W. Stewart Christie, Alex. Christie & Son, Ottawa; K. D. Church, Church, Ross & Co., Montreal; G. A. Crain, Ottawa; W. Milne Crockett, Eastern Townships Construction Co., Sherbrooke; A. H. Dancy, H. N. Dancy & Son, Ltd., Toronto; A. Sidney Davies, Atlas Construction Co., Ltd., Montreal; F. H. Dickenson, Inland Construction Co., Toronto; John Flood, John Flood & Sons, St. John, N.B.;

John Foley, Ottawa Construction Co., Ottawa; R. J. Fuller, John V. Gray Construction Co., Toronto; Jos. Gosselin, Jr., Jos. Gosselin, Ltd., Quebec; Hugh Graham, Alex. I. Garvock, Ottawa; H. T. Hazleton, Hazleton and Walin, Ltd., Winnipeg; J. F. Heaney, Lockwood, Greene & Co., of Canada, Ltd., Montreal; F. E. Healy, Pigott-Healy Construction Co., Hamilton; P. E. James, P. H. Secord & Sons Construction Co., Ltd., Brantford; Robt. J. Lecky, Regina; Sir F. O. W. Loomis, D. G. Loomis & Son, Montreal; D. H. Lunam, Poole Construction Co., Ltd., Regina; E. A. Markham, Poole Construction Co., Ltd., Regina; Jos. F. Meagher, Ross, Meagher Co., Ottawa; D. McArthur, McArthur Bros., Ottawa; R. McArthur, McArthur Bros., Ottawa; Thos. McLaughlin, Ottawa; Norman McLeod, Norman McLeod, Ltd., Toronto; Joseph M. Pigott, Pigott-Healy Construction Co., Hamilton; J. E. Poirier, Ottawa; S. Pritchard, Moose Jaw; Jno. Rutherford, London; S. F. Smith, Ottawa; J. A. Strumbert, D. G. Loomis & Son, Montreal; J. C. K. Stuart, Stuart & Sinclair, Hamilton; J. K. Thomas, Thomas-Jamieson-McKenzie, Ltd., Calgary; Wm. Wilson, Wilson & Wilson, Ltd., Regina; and W. H. Yates, W. H. Yates Construction Co., Ltd., Hamilton.

The "sub," or trade contractors, who were at the conference were: P. Ackroyd, electrician, Ottawa; H. L. Allen, electrician, Ottawa; W. E. Dillon, W. E. Dillon Co., Ltd., Toronto; R. Hooper, Hooper Bros., Ottawa; J. W. A. Kirk, Ottawa Cut Stone Co., Ottawa; W. A. Mattice, Dominion Bridge Co., Ottawa; James Mackie, James Mackie Co., Ltd., Winnipeg; Wm. McInenly, Mac Electrical Co., Ottawa; W. J. Nicholson, National Fireproofing Co. of Can., Ltd., Toronto; R. K. Palmer, Hamilton Bridge Works Co., Ltd., Hamilton; Jas. Phinnemore, painter, Toronto; James Ritchie, cut stone contractor, Ottawa; E. D. Spence, trade contractor, Ottawa; and W. N. Talbot, W. N. Talbot Co., Ltd., Regina.

Following are the representatives of manufacturing firms or supply dealers who were at the conference: J. C. Adams, Canada Cement Co., Toronto; Fred Armstrong, Port Hope Sanitary Mfg. Co., Toronto; Ernest M. Barrett, Barrett Bros., Ottawa; W. P. Baxter, James Robertson Co., Ltd.,