# Canadian Railway Marine World

Devoted to Steam and Electric Railway,
Marine, Express, Telegraph, and Railway and
Canal Contractors' Interests.
Official Organ of the various Canadian
Transportation Associations.
Published on the first of each month.

ACTON BURROWS, LIMITED - Proprietors, 70 Bond Street, Toronto, Canada.

ACTON BURROWS, A.Can.Soc.C.E., Managing Director and Editor-in-Chief. AUBREY ACTON BURROWS - Secretary and Business Manager.

Associate Editor JOHN KEIR DONALD F. KEIR Associate Editor -Mechanical Editor - FREDERICK H. MOODY, B.A.Sc. Mechanical Editor
Canadian Business Representative 70 Bond Street, Toronto W. H. HEWITT

Uuited States Business Representative, A. FENTON WALKER 143 Liberty Street, New York, N.Y. European Business Representative - J. MEREDITH McKim 3 Regent St., London, S.W., Eng.

Authorized by the Postmaster General for Canada, for transmission as second class matter. Entered as second class matter, July 25, 1913, at the Postoffice at Buffalo, N.Y., under the Act of Congress of March 3, 1879.

SUBSCRIPTION PRICE, including postage anywhere, \$2 a year.

SINGLE COPIES, 20 cents each, including postage.

The best and safest way to remit is by express money order. Where one cannot be obtained, a post office money order, or bank draft, payable at par in Toronto, may be sent. Cheques or drafts not payable at par in Toronto cannot be accepted. Remittances should be made payable to Canadian Railway and Marine World.

NOTICE TO ADVERTISERS.

ADVERTISING RATES furnished on application.

ADVERTISING COPY must reach the publishers by the 10th of the month preceding the date of publication.

tion.

TORONTO, CANADA, DECEMBER, 1914.

#### PRINCIPAL CONTENTS.

Appointments, Transportation	542
Birthdays of Transportation Men	549
Roard of Railway Commissioners -	
Orders by Summaries of	534
Traffic Orders	545
Traffic Orders	546
Locomotive Headlight Installation	532
Canadian Pacific Ry., Blue Flag Holder	536
Construction, Etc.	543
Construction, Etc	537
Electric Railway Department 549 to	555
Answers to Topical Questions	552
Construction	555
Edmonton Municipal Ry. Difficulties	551
Finance, Meetings, Etc	550
Finance, Meetings, Etc London and Port Stanley Ry. Rolling	000
Stock	551
Stock	001
gress	551
Montreal Tramways Co., and its Fran-	-
chise	.554
chise Projects, Construction, Etc	553
Toronto Ry., Ontario Railway and Muni-	
cipal Board's Judgment	549
Overcrowding	551
Express Companies. Among the	555
Express Companies, Among the	549
Grand Trunk Ry. Betterments	538
Intercolonial Ry. Grade Crossing Elimina-	12/19
tion	531
Mainly About Pailway People	540
Marine Department	564
Dominion Government s.s. Grenville for	
St. Lawrence Buoy Work	559
Fort William Shipping Report	561
Sault Ste. Marie Canals Traffic	561
Fort William Shipping Report Sault Ste. Marie Canals Traffic Vancouver Dry Docks Projects	555
Vessels Registered	560
Welland Ship Canal Progress	556
National Transcontinental Ry. Construction	549
Power House Equipment, Leonard Shops	539
Railway Development	544
Railway Earnings	535
Railway Finance, Meetings, Etc	546
Railway Finance, Meetings, Etc Railway Mechanical Methods and De-	
vices 530,	531
vices	536
Railway Rolling Stock Notes	541
Telegraph, Telephone and Cable Matters	564
Track Work and Handling of Snow	527

### A Section of the Alberta Railway Act Declared Invalid.

The Imperial Privy Council's Judicial Committee has declared one of the sections of the Alberta Railway Act to be ultra vires. The act (statutes of 1907, chap 8), provided

in Sec. 82, as follows:—
"82. The company may take possession of, use or occupy any lands belonging to any other railway company, use and enjoy the whole or any portion of the right of way, tracks, terminals, stations or station grounds of any other railway company and have and exercise full right and powers to run and operate its trains over and upon any portion or portions of the railway of any other railway company, subject always to the approval of the Lieutenant Governor in Council first obtained or to any order or direction which the Lieutenant Governor in Council may make in regard to the exercise, enjoyment or restriction of such powers or

privileges.

"(2) Such approval may be given upon application and notice and after hearing the Lieutenant Governor in Council may make such order, give such directions and impose such conditions or duties upon either party as to the said Lieutenant Governor in Council may appear just or desirable, having due regard for the public and all proper interests and all provisions of the law at any time applicable to the taking of land and their valuation and the compensation there for and appeals from awards thereon shall apply to such lands and in cases under this section where it becomes necessary for the company to obtain the approval of the Board of Railway Commissioners for Canada it. shall do so in addition to otherwise complying with this section."

In the session of 1912, an amending act (chap. 7), was passed, providing in Sec. 7 to add to section 82 of the act of 1907,

quoted above, as follows:—

"(3) The provisions of this section shall extend and apply to the lands of every railway company or person having authority to construct or operate a railway otherwise than under the legislative authority of the Province of Alberta in so far as the taking of such lands does not unreasonably interfere with the construction and operation of the railway or railways constructed and operated or being constructed and operated by virtue of or under such other legislative authority."

The Canadian Privy Council decided on Jan. 4, 1913, that certain questions in connection with the Province's right to enact the section quoted above should be submitted to the Supreme Court of Canada, pursuant to the Supreme Court Act, Sec. 60. The question came before the Supreme Court in Feb., 1913, and the court decided that it was not competent to the Alberta Legislature to enact legislation authorizing the construction and operation of railways in such a manner as to interfere with the physical structure or with the operation of railways subject to the jurisdiction of the Dominion Parliament of Canada. Judge Brodeur dissented, being of the opinion that such legislation would be within the jurisdiction of the provincial legislature provided that in its effect there should be no unreasonable interference with Dominion

The Province then appealed to the Imperial Privy Council's Judicial Committee which, on Oct. 22, upheld the Supreme Court of Canada's decision. Lord Shaw, who de-livered their Lordships' judgment for Lord Moulton, said railways such as were described in the British North America Act, Sec. 92, came under the exclusive authority of the Dominion Parliament. The provincial legislature, therefore, had no power to effect by legislation the line or works of such a railway, and their Lordships had no hesitation in pronouncing that the act in dispute was ultra vires of the Alberta Legislature. Their Lordships were of opinion that the decision appealed from was correct. They would accordingly advise His Majesty that the appeal should be dismissed, but without costs.

## Nominations for Officers of Canadian Society of Civil Engineers.

The following have been nominated for officers and members of council for 1915: For President, F. C. Gamble, Chief Engineer, Public Works Department, Victoria, B.C.; for Vice President for 3 years, A. E. Doucet, District Engineer, National Transcontinental Ry., Quebec; A. St. Laurent, Public Works Department, Ottawa. For Vice President for 1 year, E. E. Brydone-Jack, Professor of Civil Engineering, Manicha University: Gordon Grant Chief Engineering. toba University; Gordon Grant, Chief Engineer, National Transcontinental Ry., Ottawa.

Tor councillors, District 1, S. P. Brown, Chief Engineer, Montreal Tunnel, etc., Canadian Northern Ry.; H. R. Safford, Chief Engineer, G.T.R.; A. Surveyer, Montreal; R. M. Wilson, Montreal, District 2, C. B. Brown, Chief Engineer, Canadian Government Railways, Moncton, N.B.; F. W. Doane, City, Engineer, Halifay, N.S. Disperser, Canadian Covernment Railways, Moncton, N.B.; F. W. Doane, City, Engineer, Halifay, N.S. Disperser, Control of the Control of the Council of t Doane, City Engineer, Halifax, N.S. District 3, A. Amos, Quebec; T. A. J. Forrester, Quebec. District 4, G. J. Desbarats, Deputy Minister Naval Service, Ottawa; A. Grant, Superintending Engineer, Tr Canal, Peterborough, Ont. District 5, S. B. Clement, Chief Engineer, T. & N.O. Ry., North Bay, Ont.; J. L. Weller, Engineer in Charge, Welland Ship Canal, St. Catharines, Ont. District 6, W. G. Chace, Winnipeg; F. H. Peters, Calgary, Alta. District 7, N. J. Ker, Vancouver; D. O. Lewis, District Engineer, Canadian Northern Pacific Ry., Victoria, B.C.

#### Harmony of Farming and Transportation Interests in the Northwest.

Representatives of the Grain rGowers' Association of Manitoba and Saskatchewan, the United Farmers of Alberta, and the Canadian Manufacturers' Association met in Winnipeg early in November to consider a number of matters of mutual interest. An authorized statement handed to the press, summarizing the results of the conference, contained the following references to transportation matters:

'Another of the needs is for better and cheaper transportation from the farm to the ultimate market. Embraced under this heading are the problems of good roads, of shipping and receiving facilities, and of rail and water rates. To arrive at an intelligent understanding of any of these would call for weeks of careful study; to devise and to apply the proper remedy would be a matter perhaps of years. Again the question arises, Who is to do it, and how is it to be financed?

"In this connection it is but fitting that we should acknowledge with gratefulness the generous spirit with which the railway companies have responded to appeals for relief in specific instances. With their help many a difficult situation has been successfully tided over, and we trust that friendly cooperation may long continue to characterize the relations of farming and transportation interests.'

It is dangerous to forge high speed steel after the temperature has dropped below a bright yellow.