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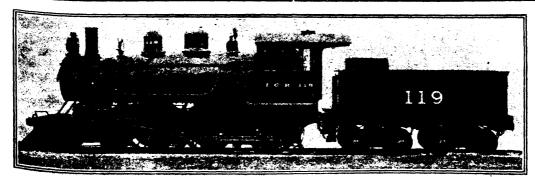
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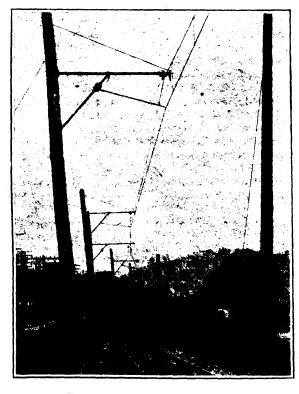
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Athabaska Ry. and Oil Co.—A. C. Dobell, thehea. Outbee; I. Carling, Exeter, Ont.; F. Ross, Applied of the Property of the Dominion applied at the current session of the Dominion Parliament for the incorporation of a company with for the incorporation of \$1,000,pany with this title, and a capital of \$1,000, to construct a railway from Edmonton the impairment of to the junction of the Athabasca and Clear-in petroleum. The Railway Com-out the clauses relating to the railway.

out the clauses relating to the railway.

Atlantic, Quebec and Western Ry. contract has been let for the construction of this line to the New Canadian Co., which has started to con-struct a section of 15 miles from Pas-pehiac to Shigawak, Que. About two grading has been done, tosether with all the culverts, and the clearing on a further six miles has contract. This section of the contract is pretty light, there being bridges in the 15 miles, one a 50 ft. span and one a 60 ft. span, concrete one about 600 ft. long, which will be 15 miles, one a 50 ft. span, concrete one about 600 ft. long, which will be 15 miles completed this year. A to be built to reach Gaspe, on which to be built to reach Gaspe, on which reliminary surveys have been made. London, Eng., and the resident engineer for the railway company and the (Mar., pg. 89.)

Remomer and Barry's Bay Ry.—It is Remomer and Barry's Bay Ry.—It is hoped to obtain a subsidy in aid of the ly Amable, Ont., during the current and we are advised that as soon as this is arranged for construction will started and the same advised that as soon as the started and the same advised that as soon as the same arranged for construction will started and the same arranged for construction. be is arranged for construction with the started and pushed to completion.

By pg. 143.)

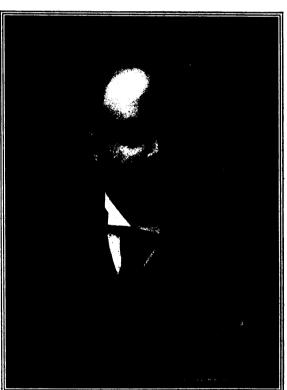
Rockville, Westport and Northwest-las Complet Arris, of Kingston, Ont.,

has completed a preliminary survey of this from the from the a Westport, has completed a preliminary survey of this from the present terminus at Westport, to the French River, and a location that reported to be in the field. It is done during the current season. A Dominary in the current season. done during the current season. A Dominon Coverns the current season. A Donna-vestigating commissioner has been investion of the compound bringing the line on the compound bringing the line of the compound bringing the lin be paid on the company bringing the line up

(Mar., pg. 89.) to the Covernment standard. (Mar., pg. 89.)

Buctouche and Rexton Ry.-R. A. and J. D. Irving, J. C. Ross, A. B. Carson, J. Jardine, E. J. Smith, F. W. Sumner, are applying at the current session of the New Brunswick Legislature for an act incorporating a company with this title, with power to construct a railway from Buctouche to Rexton, and thence to Richibucto Cape, N.B. Power is also asked to amalgamate with the Moncton and Buctouche Ry., and the Kent Northern Ry., or either of them.

Cape Breton Coal, Iron and Ry. Co.-The work of grading for the line from the company's mines at Cochrane's Lake to a junc-



G. A. MOUNTAIN

Chief Engineer Board of Railway Commissioners.

tion with the Sydney and Louisburg Ry. near Sydney, N.S., we are informed, is in progress. T. Lancaster, the present Manager, is understood to be leaving for Colorado in the interests of those who control the property, and will be replaced as Manager at Sydney by —. Thomas, who is coming out from England. (April, pg. 143.)

Fraser River Bridge.—A return presented to the British Columbia Legislature shows that the cost of the railway and general traffic bridge over the Fraser River at New Westminster was \$1,020,424.43.

Great Northern Ry. of Canada.—The scheme of arrangement with the creditors of the line has been approved by the Court of Exchequer and will go into effect on the completion of the formalities. This having been complet-ed it is expected that a commencement will be made on the construction work planned within the last two or three years. The projected extensions include the constructio of a line from Shawinigan Jet. to Quebec, 80 miles, which will give the company an entrance into Quebec, independent of the Quebec and Lake St. John Ry.; a line from St. Jerome to Morin's Flats, to connect the old Montford and Gatineau line with the

company's main line; and a line from Bout de l'Ile to St. Jerome, which would permit of trains being run from Montreal to the terminal point of the old Montford and Gatineau Ry. also expected that track will be laid on the seven miles graded in 1904, between St. Epiphanie and St. Jacque l'Achigan, at an early date. In Montreal the company has a site of 75 acres for terminal purposes, with a water front of 286 ft., and some negotiations have taken place with the Montreal Harbor Commissioners with the object of having a wharf erected there. (Mar., pg. 93.)

Halifax and Southwestern Ry.—The Provincial Engineer, in his report for 1904, dated Jan., 1905, states that the construction of the line from Halifax to Liverpool was pushed forward with considerable vigor. Tracklaying was completed from Mahone Bay to Halifax in Nov. On July 20, application was made to open the line from Mahone Bay to Chester for some special traffic. In company with the Dominion Government engineer and W. A. Hendry, C.E., of the Provincial staff, R. McColl, the Provincial Engineer, inspected the line and passed it for traffic at a slow rate of speed. The line was closed down immediately after the Chester regatta, in order to enable the company to complete the ballasting. There was considerable delay in this work owing to the difficulty experienced in securing material sufficiently clean for ballast anywhere along the line. A feature of the road is the masonry, which is of massive cut granite

of the finest quality, equal, if not superior, to any in the province. The steel bridges have all been completed and the station houses are either completed or under One lift of ballast has been put on throughout, and in some places a second lift has been put on, and will be completed as soon as the weather permits in the spring. Tracklaying was completed from Bridge-water to Liverpool in Nov., but too late to permit of much ballast being put on. The line was opened for passenger traffic, after

(Continued on page 185.)

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RAILWAY DEVELOPMENT.

(Continued from page 181.)

inspection, in Jan. Trains are being run on the Caledonia branch three times a week, there not being traffic for a daily train. West of Liverpool the work has been delayed, owing to the difficulty of deciding on the most suitable location. The first line surveyed was Fridgewater west, passed north of Mill West side of the Marcor Piver to Broad River, west side of the Mersey River to Broad River, thence up Broad River and through the interior to Shelburne. A survey was made by the Department under the superintendence of W. A. Hendry, C.E., starting from the company, a listance west of Italy company's line a short distance west of Italy Cross, and running within 2½ miles of Port Medway, thence through Brooklyn to Bristol, on the Cross and Tunning within 2½ miles of Port on the Cross and Tivernool. on the east side of the town of Liverpool. Later on, a survey was made by Mr. Hendry from Shelburne along the coast towards Livernood erpool; with the idea of diverting the line dan, Lockeport, Ragged Island Harbor, Sable Joington, Port L'Herbert, Granite Village, Port Join and Port Mouton, Coppecting with the Joli and Port L'Herbert, Granite Village, 101c company's survey and running from Broad River through Summerville, Hunts Point, and White More through Summerville, Hunts Point, and More through Summerville, and More through Summervil and Whites Point to Liverpool. Notwithstanding to Point to Liverpool. standing the shore being so rocky and rugged, he succeed the shore being so rocky and rugged, he succeeded in getting a very fair line, which would touch most of the points along the shore and a would neither shore, and at the same time would neither increase that the same time would neither increase the length or cost to any extent. The Company adopted the general route of the Dana Train Cross to the Department's survey from Italy Cross to Liverpool, but extended its own location up the east side of the Mersey River, through Milton, and then across the river and through the interior and then the interior to Tom Tidney River, and then down them to Tom Tidney River, and then down the Tom Tidney River, and the term of the Tom Tidney to Sable River, where the connected with the Tom Tidney to Sable River, where it connected with the Department's survey along the shore to Shelburne. The plan of the line from Liverpool to Barrington was upon receipt of this, the portion from Sable approval, but the other portion was disapproval, but the other portion was disapproval, but the other portion was disapproval. approval, but the other portion was disapproved, on the ground that the line along the shore would to the public. Shore would be more suitable to the public. Work was immediately started on the portion approved. approved from Shelburne to Sable River, and has been shelburne to Sable River, and has been vigorously prosecuted ever since.

A further and prosecuted ever since been made A further examination has since been made nower the discount of the boned, now over the disputed line, and it is hoped, now that full information has since been gathered rethat full information has been gathered resarding these routes, that the location will pushed forward, so as to enable work to be pushed forward as soon as the weather permits. (April, pg. 143.)

James Bay Ry.—We are advised that at e end of Manage well the end of March the grading had been well awanced between Property and Severn advanced between Parry Sound and Severn Parry Sound and Severn River, about 50 miles, and it was expected to commence to commence to the commence of the comm to commence tracklaying on that section at the end of A section at the control of A se Brechin but little had been done, owing to some questions of location which are in pro-is whether thement. The question involved or settlement. The question involved whether the line will run through Orillia or through Orillia or the line will run through Orillia or through Orillia or the line will run through Orillia or through Orillia deputations to both the Dodeputations have waited on both the Do-tunion and the Provincial Governments, tring and the Provincial Government, Brechin to District the work is mostly Rethin to Richmond Hill the work is mostly and note: ight, and nothing was done during the winter, as it was more advantageous to go on with he rock work in the Don Valley. In the last Valley held. Disk word Hill, a consider-Don Valley work in the Don Valley. In the duantity below Richmond Hill, a considerthe contract of grading had been done. The Contractors of grading had been used their men all contractors expected to have their men the end of April. out on all parts of the line by the end of April. The section between Parry Sound and Washago is extion between Parry Sound and Wash-to he laid by the end of June, and the Toronto-washago section of June, and the Toronto-Washago section to be similarly completed the end of August. Track is to be laid

from north to south, Angus Sinclair having the contract.

Plans have been approved by the Railway Commissioners for a bridge across Wallace Cut, at the north end of Janaks Island, Lake Muskoka, and for a bridge over the Severn River at the Ragged Rapids Crossing.

Some change has been made in the location of the line at the Parry Soundend. The new line will cross the Canada Atlantic Ry. by an overhead crossing, but the original line connecting with the C.A. Ry. at Quebec Siding will not be done away with. The foundation for the bridge over the Seguin River in Parry Sound has been completed. From Parry Sound north the grading on some six miles has been practically completed. This was done by Johnson and Beveridge, Parry Sound. As to the contract for the line to French River, no definite action was expected to be taken until the end of April. (Mar., pg. 93.)

Klondyke Mines Ry.—The Dawson, Grand Forks and Stewart River Ry., of London, Eng., has entered into a contract to construct 84 miles of line from Dawson City to the Stewart River. It was originally proposed to start the line at Klondyke City, and about two miles of track was reported to have been laid in 1903, from that point. Power was subsequently obtained to make the starting point of the line at Dawson. It is hoped to have the section from Dawson to Grand Forks completed this year.

Mabou and Gulf Ry.—No work was done on this line during 1904. The line extends from the mines to the shipping wharf at Mabou Harbor. Considerable work was done during the year at the wharf. The plans of the line from Dick's Point to the crossing of the Inverness and Richmond Ry. and Coal Co.'s line, have been submitted and approved. Plans have also been filed for the line from the crossing of the I. and R. Ry. and C. Co.'s line at 7½ miles, to Orangedale on the I.C.R., but have not been approved pending an examination of the ground.

Minudie Coal and Ry. Co.—Plans, profiles and books of reference for this projected line have been submitted to the Provincial Engineer at Halifax. As however,, the line shown crossed the Maccan and Joggins Ry. (the Canada Coals and Ry. Co.'s line), the company was notified that it must comply with the terms of the act requiring notice to be given to the company owning the line proposed to be crossed, before the plans could be approved. When these requirements have been complied with and the crossing settled, the plans will be recommended for approval.

The charter is owned by the Minudie Coal Co., the officers of which are:—President, Jas. Robinson; Vice-President, L. Galivert; Secretary-Treasurer, G. A. Forbes, and the offices are in Montreal. The railway is under construction from River Hebert, on the Canada Coals and Ry. Co.'s line, to Minudie, 7 miles, where the collieries are, and from which the principal traffic will be drawn. The engineer is P. H. Smith, and the contractor for the grading and bridging is Wm. Sutherland. We are advised that a start was made in Nov., 1904, and some work was done at the cuts during the winter. It is hoped to have the grading completed by Sept., and the track laid by the end of the year.

Nova Scotla Eastern Ry.—The Provincial Engineer in his annual report states that the preliminary surveys for this line had been completed, a very good location having been secured. The plans and profiles had not been filed, but a general plan was filed by the company. This showed a line starting at Dartmouth, running along the shore through Cole Harbor, Lawrencetown and Chezzetcook, to within a short distance of Musquodoboit harbor, thence up the Mus-

quodoboit River, through Meagher's Grant, Little River and Middle Musquodoboit, to Upper Musquodoboit; thence across to Trafalgar and through Caledonia, following the west branch of the St. Mary's River to Melrose; thence to Country Harbor Cross Roads, and down the Salmon River to Guysboro, thence up Milford Haven and along the shore to the terminus at the Strait of Canso. general plan also shows a branch from Melrose up the east branch of the St. Mary's River to New Glasgow, and another branch down from the Country Harbor River from Country Harbor Cross Roads to Country Harbor. A plan and profile of the location of a section of the line from Country Harbor Cross Roads to Country Harbor was filed and approved. Work was started on this portion of the line, but the operations were discontinued after a trifling amount of work had been done. A contract is reported to have been arranged in London, Eng., for the underwriting of the entire bond issue of the company, amounting to about \$5,000,000. J. W. Grier, of Montreal, left for England, April 5, to sign the papers.

Prince Edward Island Ry.—The work of M. J. Haney, contractor for the substructure of the bridge across the Hillsboro River, has been completed with the exception of some rip-rapping of the approaches, which is expected to be done by June 30. When we were last advised, four spans of the superstructure had been placed in position. April, pg. 145.

Prince Edward Island Tunnel.-A deputation waited on the Dominion Government at Ottawa, Mar. 31, on behalf of the residents of the Island, for the purpose of asking it to arrange for the construction of a tunnel under Northumberland Strait, at its narrowest point, between Cape Tormentine, N.B., and Cape Traverse, P.E.I., which at this point is about 7½ miles wide. As an argument in favor of the project the deputation pointed out that during the recent winter the island was cut off from the mainland for 59 days at one stretch, whilst the condition of affairs two years ago was equally as bad. A proposition to construct a tunnel was made about eighteen years ago, and M. J. Butler, Assistant Engi eer of the Transcontinental Railway Commission, was quoted as saying that there are sufficient data available to establish the feasibility of the tunnel proposition. It was also mentioned that M. Haney, the contractor, who built the substructure of the Hillsboro River bridge, had offered to construct a tunnel for \$10,000,000 and to complete the work in six years.

Quebec Central Ry.—The Company has completed a new steel bridge, replacing the wooden structure over the Chaudiere River near Beauce Junction on that line. The contract for the new bridge, including all materials and erection, was awarded to the Dominion Bridge Company. The bridge is a four span trues bridge of 520 feet over all.

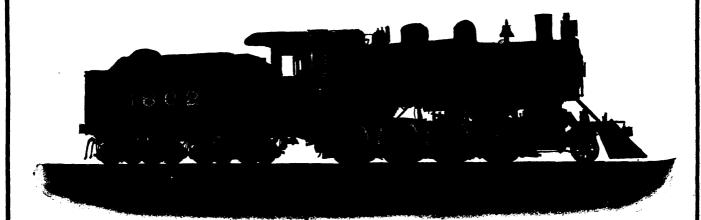
St. John Bridge and By. Exten ion Co.—The New Brunswick Legislature is being asked at its current session to pass an act authorizing the granting of a right of way 100 ft. wide through the grounds of the Provincial Hospital, St. John, for a nominal sum. This is being asked for as when the company was originally permitted to take the land the boundaries were not defined, neither was a crown grant made for the property.

Tillsonburg, Lake Erle and Pacific Ry.—Plans have been filed for a proposed extension of two miles at the Ingersoll end of the line. The company has powers to construct a line to Collingwood, either by Stratford or Berlin. D. McNichol, Vice-President C.P.R., which has leased the line, and other officers of the C.P.R., inspected the terminals at Port Burwell, Ont., on Lake Erie, with a view of deciding on extensions, April 7.

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Eastern Canadian Passenger Association.

At a meeting held in Montreal April 4 the At a meeting held in Montreal April 4 the following lines were represented: Bay of Pacific Ry., Canada Atlantic Ry., Canadian Trunk Ry., Crand Vermont Ry., Grand Intercolonial Ry., Kingston and Pembroke Ry., Lake Ontario and Ray of Ouinte Steam-Ry., Lake Ontario and Bay of Quinte Steamboat Co., Muskoka Lakes Navigation and Hotel Co., Muskoka Lakes Navigation and Hotel Co., Muskoka Lakes Navigation Vork Co., New York and Ottawa Ry., New York and Ottawa Ry. York Central Rd., Niagara Navigation Co., Northern National Contario and Que-Northern Navigation Co., Ontario and Que-Morthern Navigation Co., Ontario and Quebec Navigation Co., Ottawa River Navigation Co., Pere Marquette Rd., Quebec Central Ry., Quebec Southern Ry., Richelieu and Ontario Navilemiscouata Ry., Toronto, Hamilton and St. Turbine Steamship Co., United Buffalo Ry., Turbine Steamship Co., United Wabash D. Dominion Transportation Co., Wabash Rd. T. Henry, chairman pro tem, Presided, C. E. Cleary acting as Secretary. The min. E. Cleary acting as Secretary meeting, The minutes of the preliminary meeting, adjourned 6, were approved. The meeting adjourned for an hour as a token of sympathy and respect for W. Wainwright, and his family, owing to the death of Mrs. Wainwright.

The executive committee reported that instead of appointing a chairman as the salstead of appointing a chairman as the salaried executive officer of the Association, a competent salaried secretary be appointed secretary be appointed for the present, that the chairman's position be honoresent, that the chairman's position the present, that the chairman's position the honorary, and that he be elected annually sociation. The articles of Association. sociation. The articles of association were amended accordingly, and

The committee on rules reported progress and were requested to complete their report and present it at a special meeting of the baggage agents' report as to fundamental baggage rules was referred to the committee baggage agents' report as to fundamental rules was referred to the committee.

The articles of Association will be sented for signature at the Toronto meet-

T. Henry, Traffic Manager Richelieu and Ontario Navigation Co., was elected chairman for the year by acclamation. J. H. et on the avacution committee to succeed Mr. ed on the executive committee to succeed Mr. referred to the executive committee. The appointment of a secretary was

A number of reduced fares for special events A number of reduced fares for special events between agreed to. Among others for Victoria for July 1, lowest one way 1st class fare to return May 25, and for Dominion Day, 1, 2 and 3, to return July 4. The sale of hereafter commence on the 1st Saturday or hereafter to Monday excursion tickets windle study in May, instead of, as formerly, on the first Saturday or Sunday in June.

The executive committee has since appoint-Reight Webster, Assistant to the General Atlanta Railway, as Secretary of the Association, with office at 54 Beaver Hall Hill,

Rollowing are the leading features of the articles of organization:

The lines signing the articles agree to ortimes signing the articles agree to distribute the Eastern Canadian Passenger Assention on Canada sociation, embracing the territory in Canada hat of and indicating the territory. Sault Ste. All sand the St. Clair and Detroit Rivers.

This portation lines and electric with portation lines having traffic relations transportation lines and electrical such station lines having traffic relations that such station lines, within with such steam transportation lines, within his territory at transportation lines, within the territory above mentioned, may be adding the of lines already members, upon signarticles of completion. The purposes ing the articles already members, uponous of the organization. The purformation to each of the parties authentic institute to each of the parties authentic institute in relation to tariffs, rate sheets, regulations of the respective parand tichet regulations of the respective par-

ties and changes therein, and the due filing and publication thereof; to aid in securing compliance with the laws relating to and regulating commerce; and to enable the parties hereto to mutually confer, advise and act in relation to the subjects above stated, and the proper methods to secure the purposes aforesaid. The officers shall be a chairman, an executive committee of three, and a sec-The executive committee shall be elected by ballot, and annually hereafter at the January meeting, or, in case of failure to elect at that time, at the next regular meeting. Vacancies through removal, death, or resignation, shall be filled by the Chairman until the next meeting of the association. The executive committee shall appoint a secretary who shall perform such duties as may be assigned to him. He shall represent the association in its negotiations with other associations. The Chairman shall construe the articles of organization and all resolutions adopted thereunder. The secretary shall be responby him in conducting the business of the association, and shall be bonded in a surety company, and for an amount satisfactory to the executive committee. The executive committee shall supervise the expenses of the association, all questions that may be referred to them the association and report its recommendation. Each line party hereto shall fix and determine its own reduced fares, and shall file with the secretary all its rate sheets, circulars, rules and regulations, pertaining to passenger traffic within the purview of this association; and the secretary, as agent of each individual line, shall disseminate such information as may be necessary to the parties Nothing in the articles of organization shall be construed as giving authority to the secretary, or to the association, or to any person or officer of the association, to fix or determine any rate for any party hereto, but each party alone shall fix and determine its own rates; and nothing herein shall be construed as preventing any party hereto after it has fixed such rates from changing the same from time to time, as it may elect. Each line party hereto, reserving always to itself the right to take independent action, agrees that, should it decide to change its reduced fares, it will file with the secretary a written and specific notice of the action it intends to take, at least five days before same shall take effect, such notice of intention to be so filed with the secretary before any line party hereto announces, advertises or participates in any such changed rates. All decisions and rulings of the Chairman shall be observed until reversed by a majority vote of interested lines. When appeal is taken from the Chairman's decision, or failure to decide, it must be decided by a majority vote of the lines interested, such appeal to be final. All such appeals must be made within ten days from the date of the action complained of; when the appeal is because of failure of Chairman to decide, it shall be made within ten days from date question is presented to him for decision. When an appeal is taken to the association, it shall be the duty of the Chairman to convene the interested lines within ten days from receipt of appeal, unless the appellant assents to have it considered at the next regular meeting of the association. Regular meetings of the association shall be held at Montreal on the Tuesday after the first Monday in January, April, July and October. All members of the association shall be entitled to vote on general matters, but in matters of policy, affecting material interests, any member may have the right to call for vote by lines. In such cases only one vote by any one line shall be cast. On general questions each line shall have but one vote, provided that on all special questions only lines directly interested in the

issue shall be allowed to vote. The Chairman shall decide what lines are directly interested in such questions. No resolution shall be declared adopted unless it shall have received the affirmative votes of not less than two-thirds of the lines represented at any meeting of the association. When a vote by lines is asked for on any proposition, every voting line present shall vote either for or against it, unless excused by the Chairman before voting begins, and the proxies held by the Chairman shall be accorded as directed by him. The expenses of the association shall be divided among the lines parties hereto, on an equitable basis as may be determined from time to time; the minimum annual proportion of each line to be \$25. sessments to be made and collected by the The articles of association to consecretary. tinue for one year or until dissolved by a majority vote of lines parties hereto, but any line may withdraw therefrom after expiration of said year by giving 30 days' prior notice in writing to the Chairman provided such notice takes effect on the first day of a calendar month, and provided that all assessments against such lines are fully paid. The withdrawal of any line shall not dissolve the association except by consent of a majority of the remaining lines.

G.T.R. SEMI-ANNUAL MEETING.

At the semi-annual meeting in London, Eng., April 13, the following report was presented for the half-year ended Dec. 31, 1904. The following summary shows a comparison of the half-year's revenue account with that of the corresponding half-year, ended Dec. 31, 1903:-

Dec. 31, 19	ез.	Dec. 31,	19	04.
£3.138 468	•	£3,129,814	6	7
, ,	the rate of 70.45% as compared with 70.55% in 1903.	2,205,091	8	7
924.384	Net traffic receipts	924,722	18	0
12,931	Amount received from Inter- national Bridge Co	12,930	12	9
404	Interest on Toledo, Sagin- aw, and Muskegon bonds.	1,677		
6,507	Interest on bonds of Central Vermont Ry	6,506		
61,865	Interest on securities of con- trolled lines and on St. Clair tunnel bonds acquir- ed by the issue of Grand Trunk 4% debenture stock	61,855		
7, 164	Balance of general interest account	23,760	4	8
£1,013,255	Net revenue receipts	£1,031,453	8	8

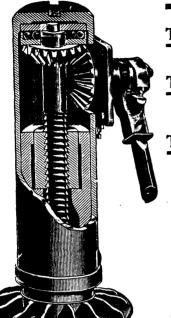
Following are the net revenue charges for the half-year, compared with the corresponding period:

Dec. 31, 19	og	Dec. 31	19	04.
£ 77,603	Rents (leased lines)	£ 77,603	۰,	۰
488,721	Interest on debenture stocks and bonds of the Co			-
48,550	Interest on debenture stock and bonds of lines con- solidated with the G.T.R.		-	
	sondated with the G.I.R.	47,589	11	3
614,874		613,926		10
464	Deduct—Detroit, Grand Haven and Milwaukee surplus		19	3
614,410		599,350		7
398,845	Leaving a surplus of	432, 103		
£1,013,255		£1,031,453	8	8
				-

Adding the balance of £4,363 3s. 11d. at the credit of net revenue account June 30, 1904, to the above surplus for the past half-year, the total amount available for dividend is £436,466 10s. 0d., from which the direct-

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Sectional View of Norton Jack,

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reduce the friction and increase the power of the Jack.

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are cut from solid steel forgings, thereby giving highest efficiency and greatest durability.

THE SCREW

runs in a Phosphor Bronze Nut and is covered by a sliding sleeve which takes all the side strain, prevents the Screw from bending, and protects the working parts from Grit and Rust.







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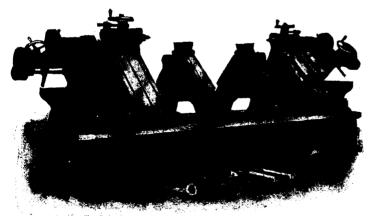
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I. A. YOUNG,

ors recommend the payment of the following dividends, viz.:

Por the half-year on the 4% guaranteed stock 5% for the year on the first preference £132,586 5 10 5% for the year on the second preference stock 170.841 10 0 126,420 0 8

£429.847 16 6

leaving £6,618 13s. 6d. to be carried forward to next half-year's account.

Rollowing table exhibits a comparison of 1904 and 1903.

Description of Receipts.	pts. / root.	£oór /	/ Increase.	. / Decrease.	
Passengers Malia and express Freight and live stock. Miscellaneous.	2921,484 1.55,777 1.906,145 76,408	933,350 1,971,955 72,707 23,138,468	3,701	2,779 65,810 	, - 1003.
And the second s	TRAFFIC S	TRAFFIC STATISTICS.			
	1904.	1903	Increase.	Decrease.	
Passengers carried	5,498,680	5.139,073	159,607	:	
	38. 9d.	38. 7 ² d.	r‡d.	:	•
stock Average rate per ton. Tons carried one mile.	7,043,376 58. 5d. 1,329,229,304	0 22 4	304.674	54d. 77,536,244	
carnings per train mile.	70.750.	77.77d.	0,000.		•

entine average rate per ton per mile on the compared with 0.68 of a cent in the correstherm.

The working expenses, excluding taxes, amounted in the half-year to £2,154,379, or with £2,175,214, or 69.31% in the correstable of the gross receipts, as compared ponding half-year; a decrease in amount of feetings of 0.48%.

The following table exhibits a comparison for the revenue expenditure, including taxes, 1903:

Description of Expenditure.	/	ds / tode	socs. /Incre	mass. /Doeres
Maintenance of way, and struc-	_	<u> </u>	<u> </u>	8
Maintenance of equipment	38,000	_	2 / 23,3,90 5 / · · · ·	3,716
Conducting transportation	67,577 50,713	66.289 78.870	11,843	
Total Percentage of gross receipts Expenditure per train-mile	£2,205.091 70.45 55.48d.	£2,205,091 £2,214,084 70.45 70.55 55.48d. 54.86d.	0.62 d.	0.10
The train mileage of the half-year compares with that for the half-year ended Dec. 31, 1903, as follows:	half-ye. 1, 1903, 3	r compa as follow	res with	that for
Description of Mileage.	rgot.	1903.	Increase. Decrease	Pecrease.
Passenger Freight Mixed trains	4.187,985 5.028,243 322,257	3,938,103 5,354,432 392,736	249.882	326, 189
Total	9.538.485	9,685.271	:	146.786

From the foregoing statements it will be observed that the G.T.R. gross receipts for the half-year show a decrease of £8,654, or 0.28%; the working expenses, including taxes, a decrease of £8,993, or 0.41 %; and the train mileage a decrease of 146,786, or

There has been a decrease of 26 miles in the length of lines worked, caused by the leasing of 13.22 miles of the Beauharnois Branch to the St. Lawrence and Adirondack Co., and the transfer to sidings of the Toronto Belt Line, 12.79 miles, Flos Tramway, 8.28 miles, and the Wharf Branch at Montreal 4.29 miles, less increased mileage owing

to sundry adjustments.

The total charges to the capital account for the half-year were £239,692 3s. 5d. Of this, £400 was in respect of a similar amount of G.T. Junction 1901 bonds acquired during the half-year, £250 for additional 4% debenture stock issued on the exchange of £1,000 Northern Railway third preference bonds, and £41 7s. 7d. commission paid on account of 4% guaranteed stock issued during the preceding half-year.

The actual expenditure on capital account was as follows:-

New works
Double track
Land purchased £ 65,107 10 1 153,311 8 11 20,581 16 10

£239,000 15 10

No additions to rolling stock at the expense of capital have been made during the half-year. Twenty-eight freight locomotives and 150 refrigerator cars have been built in the company's shops, and 5 passenger engines, 2 dining, 4 parlor café, 6 first-class, 3 baggage and second-class, and 10 baggage cars were purchased during the half-year on revenue account. There is an apparent deficiency of 409 freight cars, but owing to the larger and more expensive description of cars constructed during recent years, the carrying capacity of the cars in service has been increased by 129,633 tons, the equivalent of 5,064 cars of the present average capacity.

The doubling of the line between Hamilton and Sarnia has been completed from Hamilton to Lynden (14 miles), Brantford to Paris (7.80 miles), and Paris to London (47.29) miles during the past half-year, and the double track between those places is now in use for traffic. It has been decided to continue the doubling of the line on this division, and instructions have been given to proceed with the work between Kingscourt Junction and Komoka (27.43 miles) during the current year. On the completion of this section of the line, there will only remain about 30 miles of single track between Montreal and Chicago via Hamilton, a distance of 845 miles

The gross receipts of the G.T. Western Ry. Co. for the half-year were £522,280, against £580,684 in 1903, a decrease of £58,404, and the working expenses were £444,173, against the working expenses were £144,176, against £498,571, a decrease of £34,398, leaving a net profit of £78,107, against £82,113, a decrease of £4,006, compared with the corresponding period of 1903. The net revenue charges for the half-year were £82,744 against charges for the half-year were £82,744 against £79,922, so that there was, on Dec. 31, a net revenue debit of £4,637, which amount is carried forward, as compared with a net revenue credit of £2,191 for the corresponding half-year of 1903. The number of passengers carried during the half-year was 868, $\frac{8080}{100}$ argient $\frac{874}{238}$ and degrees of $\frac{6107}{100}$. sengers carried during the half-year was 868,-989, against 874,338, a decrease of 0.61%; and the passenger train receipts, including mails and express receipts, were £181,987, against £174,536, an increase of 4.27%. The quantity of freight moved during the half-year was 1,353,515, against 1,396,552 tons, a decrease of 3.08%, and the receipts from this traffic were £339,531, against £405,637, a decrease of 16.30%.

The gross receipts of the Detroit, Grand Haven and Milwaukee Ry., for the half-year were £160,915, against £142,283 in 1903, an increase of £18,632; the working expenses were £109,364, against £104,948, an increase of £4,416, thus leaving a balance of £51,551, against £37,335, and showing an increase in net revenue of £14,216, compared with the corresponding half-year of 1903. The net revenue charges for the half-year were £36,revenue charges for the half-year were \$30,975, against £36,871 in 1903, so that there was a net revenue surplus of £14,576, as compared with £464 for the corresponding period of 1903. The number of passengers carried during the half-year was 415,333, against 399,302, an increase of 4.01%; and against 399,302, an increase of 4.01%; and the passenger receipts, including mails and express receipts, were £62,070, against £64,316, a decrease of 3.49%. The quantity of freight moved was 669,853 tons, against 470,601 tons in 1903, an increase of 42.34%; and the receipts from freight traffic were £95,-970, against £76,417 in 1903, an increase of 25.59%.

The directors express their deep regret at the recent loss, through death, of their late colleague, Jos. Price, who for many years occupied the position of Vice-President. A resolution will be submitted to the meeting authorizing the reduction of the number of the directors to ten. A London committee of the G.T. Pacific Ry. Co., consisting of members of the board of the Grand Trunk Railway, has been constituted to administer the affairs of that company in England, and under the by-laws of that company will receive as remuneration for their services £2,000 per annum. The retiring directors are Sir C. Rivers Wilson and J. A. Clutton-Brock, who are eligible and offer themselves for re-election. H. C. Newton, one of the auditors in London, and W. M. Ramsay, one of the auditors in Canada, also retire and offer themselves for re-election.

REPORTS OF OFFICIALS.

The Chief Engineer, after referring to the reduction in mileage and the progress of the second track work mentioned in the directsecond track work mentioned in the directors' report, reported that the expenditure during 1904 for maintenance of way and structures was \$4,027,758.60, against \$4,067,082.56 in 1903. The amount spent on the track or permanent way, for repairs of roadway, ballasting and ballast, clearing snow, renewals of rails and ties, including their proportion of the cost of superintendtheir proportion of the cost of superintendence, was \$2,572,061.18 in 1904, being at the rate of \$727.39 per mile; in 1903 the amount was \$2,243,207.82, or at the rate of \$629.76 per mile. The replacement of old obsolete iron bridges by steel structures is still in progress. New stations have been built at Coaticook, Danby, Bulstrode, St. Eulalie, Moulinette, Farran's Point, Kinmount, Uxbridge, Allandale, Nipissing Junction, Corson's, Brentwood, Perch, Beachville, Brantford, Hickson, Chesley, Wiarton, Blyth, Glencoe, Welland Junction, and Bridgeburg— 22 stations in all.

The materials used for renewals and repairs of main tracks and sidings were: New steel rails laid in track, 23,919 tons; partially-worn steel rails laid in branch lines and sidings, 26,188 tons; new ties placed in track, 1,333,921; ballast, 435,081 cubic yards.

The Superintendent of Motive Power reported expenditure, mileage, etc., as follows:

Half-year ended.	Total Expendi-	Train	1 1	of Expe per Mile.	
enueu,	ture.	Mileage.	Train	Engine	Car.
Dec , 1904	Dollars. 3.707,044 3.840,737	9,538,485 9,685,271	Cents 38.86 39.66	Cents 30.04 30.81	Cents 2.44 2.37

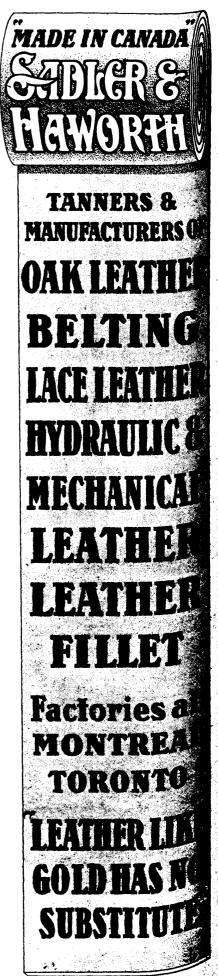
A decrease in expenditure of \$133,693.00,

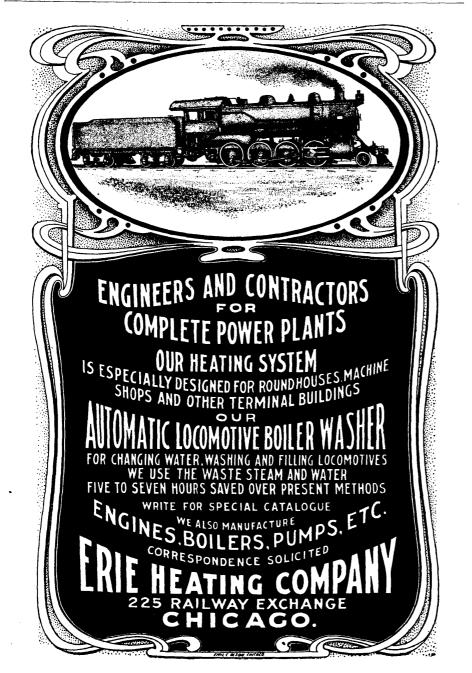
Toronto Transportation Club.—On the invitation of W. B. Bamford, Travelling Freight Agent C.P.R., some 25 travelling freight agents, etc., with headquarters at Toronto, met there April 14, to discuss the formation of a transportation association or club. Mr. Bamford presided, P. K. Perry, of the Canadian Freight Association's office, acting as secretary. W. B. Bamford, J. A. Sutherland, Contracting Freight Agent New York Central Rd.; G. M. Thomas, Travelling Agent Intercolonial Ry., and G. Barnes, Soliciting Freight Agent G.T.R., were appointed a committee to draft a constitution, etc., to be presented at an adjourned meeting on May 5.

The International Railway Congress, the business sessions of which will be held at Washington, D.C., will open May 4, and will conclude May 13, after which there will be a series of tours arranged for the foreign delegates. The delegates will include the following from Canada: C.P.R.—Sir T. G. Shaughnessy, President; W. Whyte, Second Vice-President; I. G. Ogden, Third Vice-President; G. M. Bosworth, Fourth Vice-President; W. F. Tye, Chief Engineer; H.

H. Vaughan, Superintendent of Motive Power; W. E. Fowler, Master Car Builder. G.T.R. C. M. Hays, Second Vice-President and General Manager; E. H. Fitzhugh, Third Vice-President; F. H. McGuigan, Fourth Vice-President; W. D. Robb, Superintendent of Motive Power, and W. McWood, Superintendent of Car Department.

The U.S. Congress has passed an act providing for the award of a bronze medal to any persons who, by extreme daring, endanger their own lives in saving or endeavoring to save life from any wreck, disaster or grave accident, or in preventing or endeavoring to prevent such wreck or accident. The Department of Marine at Ottawa at present votes some recognition to mariners for life saving, and the Canadian Humane Society, of which H. P. Dwight, President G.N.W. Telegraph Co., is President, makes awards for other gallant acts, but the recognition given by these two means does not cover all the gallant deeds done. The passing of an act by the Dominion Parliament similar to that now passed in the U.S., would be the means of providing a proper recognition of heroic deeds of whatever kind performed in Canada.





G.T.R. SEMI-ANNUAL MEETING.

(Continued from page 189.)

or 3.48% compared with a decrease in train miles of 146,786, or 1.52%.

The average number of	Passenger Trains	Freight Trains	Mixed Trains.
	4.6	25.9	8.2
period the corresponding	4.6	26.2	8.6

The comparative cost of repairs per train, engine and car mile was:

The	Cost per Mile.		Repairs and renewals of Locumotives.	d renewals notives.	All repair including chinery,	All repairing charges, including shop machinery, tools, and marine equipment, etc.
			1904.	1903.	1904.	1903.
Train Engine			Cents. 7.51 5.80 0.47	Cents. 6.12 4.75 0.37	Cents. 10.13 7.83 0.63	Cents. 8.56 6.65 0.51
T.	he car expe	The car expenditure, mileage, etc., was as follows:	ileage, et	c., was a	s follows	was:
Half-year	Total Cost of	Total	Total Miles run by Cars.	y Cars.	Cost	Cost per Mile.
ended.	and re-	Passenger.	Freight.	Total.	Car.	Train.
Dec , 1904.	Dollars. 781,779	20,067,215	132,159,481	1,52,226,696	Cents.	. Cents. 8.20
. 1903	937,097	18.976,642	142,982,900	161,959,542	42 0.578	896

e Superintendent of the Car Department showed a decrease of \$155,318, or a decrease in the cost of repairs to cars, with a decrease in car mileage of 9,732,846 miles, refrigerator cars were built new, one coal cost of revenue.

The car statistics show that the company's shops at t was rebuilt at the company's shops at four parlor café cars, six first-class cars, baggage and second-class cars, and 10 to revenue.

The revenue account for the half-year is followe. as follows:

	RECEIPTS.				
Passengers	£ s. d.	g s. d.	æ /ou	*	s. d.
International bridge tolls	4.196 15 8	5,527 2 6			
Mails and express Freight and live stock	::	985,865 17 9	991,484 9	0.0	# 6
Cartage, etc. International bridge tolls St. Clair tunnel tolls.	53.109 6 5 11,733 12 8 14,847 10 8				
		79,720 9 9	1,906,145 8	œ	_
etc.	:	:	76,407 12	12 6	
			£3,129,814 6 7	9	

TIV	PEN	חדיתי	TTDY

Maintenance of way and struc-		τ.	s.	a.	
Maintenance of equipment Conducting transportation General expenses.	11 47%	581,046 359,189 1,146,566 67,576	6 18	10)
Total working expenses	68.83%	2,154,270		- 0	
-		3 305 001			

Balance to net revenue account.

£3,129,814 6 7

Telegraphic reports of the meeting state that in moving the adoption of the report
Sir Rivers Wilson referred feelingly to the
great loss the company had great loss the
great loss the company had sustained by the
death of Jos. Price. He referred among other
matters to the report of the Ontario Com-
mission, which had been looking into the
question of the taxation of railways, and
stated that the company was determined to
fight any attempt by the Ontario Govern-
ment to increase the taxes levied upon
railways. He thought it was most unfair
treatment on the part of Ontario, as the
G.T.R. had done so much for the province.
During the discussion at the conclusion
of the chairman's address, a shareholder
asked what route the G.T. Pacific Ry.
would take over the Rocky Mountains. The
President replied that there were many who
would like to know that, and that General
Manager Hays, when travelling about to pick
out the route, was followed by company pro-
moters and others anxious to learn the route.
Replying to further questions about the G.T
Pacific Ry., the President stated that it was
expected that the construction of the Lake
Superior branch would commence in June,
and the building of the prairie branch in July. In connection with the G.T. Pacific Ry. the
In connection with the G.T. Pacific Ry. the
President congratulated the stockholders on
the financial association of the Rothschilds
with the G.T.R. in connection with the flota-
tion of the G.T.P.R. bonds.

Another shareholder drew attention to a statement contained in a Canadian newspaper which said that John Pullen, an officer of the G.T.R., had stated that over \$2,000,000 had been paid out in claims the past year. President, replying, said that the statement had appeared in an obscure newspaper which he had never heard of before. Mr. Pullen had been misreported, as no such amount had ever been paid in claims.

The report and statement of accounts were adopted, and the dividends recommended therein declared.

The resolution reducing the number of directors to ten was passed, and the retiring directors and auditors were re-elected.

At the Canadian Railway Club's monthly meeting in Montreal April 4, W. N. Dietrich, Electrical Engineer C.P.R., read a paper on Electric Power as applied to railway shops.

The bill proposing to provide better protection at railway crossings, introduced by E. A. Lancaster, which was rejected by the Railway Committee, was subsequently brought before the House of Commons by its promoter, and after a discussion, was defeated by 42 votes to 12.

The Toronto Globe recently stated that "George Stanley, dining car conductor on the G.T.R. on the run between North Bay and Toronto, has been appointed Superintendent of dining cars on the Central Vermont Ry., with headquarters at St. Albans." We are advised that no such appointment has been made, and that the C.V. management does not contemplate appointing a sup-erintendent of dining cars. We are also advised that no one of the name of George Stanley has been employed as a dining car conductor on the G.T.R.

TRANSPORTATION APPOINTMENTS.

Canadian Pacific Ry .- H. I., Jordan has been appointed Division Engineer of Construction at Montreal, vice F. S. Darling, who has been appointed Division Engineer of Construction at Toronto. Mr. Jordan will have charge of such work as is assigned him by the Chief Engineer.

A. E. Lalande, heretofore acting city passenger agent at Montreal, has been appointed

city passenger agent there.
F. R. Perry, heretofore F. R. Perry, heretofore Acting District Passenger Agent at St. John, N.B., has been appointed District Passenger Agent there.

Cape Breton Electric Ry.—A. F. Townsend has been appointed General Superintendent. Office, Sydney, N.S.

Esquimalt and Nanaimo Ry.—The operations of the line did not pass to the C.P.R. on April 1, as was arranged, consequently there were no changes in the operating staff such as had been anticipated.

Grand Trunk Ry .-- W. Holmes having resigned, the office of Trainmaster at Island Pond has been abolished. Reports heretofore made to the Trainmaster will be sent to C. L. Mayne, Assistant Superintendent, Island Pond.

T. L. Grabill has been appointed Baggage Master, Bonaventure Station, Montreal, succeeding F. W. Gieselman, who has returned to the United States.

The following agents have been appointed:
—Cannington, Ont., R. H. Jones (relieving);
Chesley, Ont., J. T. Rose; Paisley, Ont., I. Clancy.

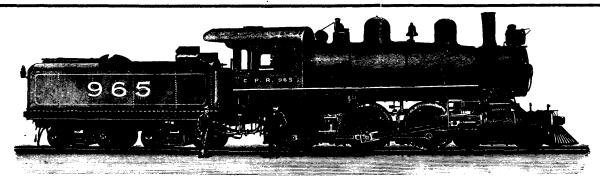
Grand Trunk Western Ry. -- K. M. Landis, Attorney at Chicago, having resigned to accept the appointment of Judge of the U.S. District Court, Kretzinger, Gallagher, Rooney & Rogers, Monadnock Block, Chicago, have been appointed Attorneys for the States of Indiana and Illinois, and will have entire charge of the legal affairs of the company therein. This amends the general circular entitled "Handling of Legal Documents" so far as applies to the States of Indiana and Illinois, and all notices, writs, and legal process of any nature served upon agents or employes in above territory, must be sent to that firm at its address in Chicago.

Michigan Central Rd.-W. H. Underwood, heretofore General Eastern Passenger Agent at Buffalo, N.Y., has been appointed Assist-ant General Passenger Agent, with head-quarters at Chicago, vice G. E. King, resigned. The position of General Eastern Passenger

Agent having been abolished, J. W. Daly, heretofore General Eastern Passenger Agent of the Lake Shore and Michigan Southern Ry., at Buffalo, has been appointed Chief Assistant General Passenger Agent of both the Lake Shore and the Michigan Southern Ry. and the Michigan Central Rd., with head-quarters in the Fidelity Building, Buffalo. A. P. Blasier, Travelling Passenger Agent M.C.R., and C. H. Chevee, Travelling Passenger Agent L.S. & M. S.R., will report to

Mr. Daly. H. A. Worcester, heretofore Superintendent Western Division Lake Shore and Michigan Southern Rd., Chicago, Ill., has been appointed Assistant General Superintendent Michigan Central Rd. with headquarters at Detroit, Mich. He will have special charge of all train movements, station and telegraph service, and in addition will perform such other duties as may be assigned him by the General Superintendent.

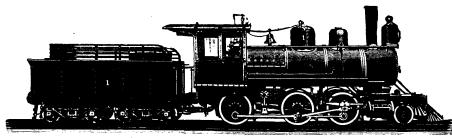
New York and Ottawa Ry .- The officials of the N.Y. and O. Ry., which includes the Ottawa and New York Ry., extending from Ottawa, Ont., to Tupper Lake, N.Y., for the current year are:—President, W. H. Newman; Vice-Presidents, E. V. H. Rossiter, man; Vice-Presidents, E. V. II. Wilgus; W. C. Brown, J. Carstensen, W. J. Wilgus;



The Saxon Engine Works, late Rich. Hartmann, Limited CHEMNITZ (Germany),

Carry on the construction of LOCOMOTIVES of every description.

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Works, Buffalo, N.Y., and Rochester, N.Y.

New York Office, Broad Exchange Building. Chicago Office, Monadnock Block. St. Louis Office, Frisco Building.

The General Railway Signal Company has acquired the American assets and properties of the Taylor Signal Company, of Buffalo, N. Y., and of the Pneumatic Signal Company, of Rochester, N. Y., and is prepared to furnish and install approved forms of mechanical, pneumatic, electro-pneumatic and electric interlocking devices, track circuit appliances, motor signals, railway gates, etc.

JAMES PLAYFAIR, Pres. & Gen'l Mgr.

D. L. WHITE, Vice-President.

J. W. BENSON, Sec'y-Treas

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First-Olass Tugs for Wrecking, Raft Towing, etc. Steam Pumps, Divers, Jacks, Hawsers and Lighters

General Attorney, I. F. Place: General Superintendent of Motive Power, Equipment and Rolling Stock, J. F. Deems; General Auditor, M. L. Bacon; Auditor Passenger Accounts, J. L. Faircomb; Auditor Freight Accounts, W. T. McCulloch, of New York; General Passenger, H. W. Gays; General Freight and Passenger Agent C. H. Phillips: Assistant Passenger, H. W. Gays; General Fleight and Passenger Agent, G. H. Phillips; Assistant General Passenger Agent, H. K. Gays; Master Mechanic, M. Gooderich; Roadmaster, M. Keefe, of Ottawa.

Northern Pacific Ry.—F. Cameron has been appointed contracting freight agent. Office, Winnipeg, Man.

Orford Mountain Ry.—R. K. Harris has been appointed Chief Engineer, succeeding Que.

Pere Marquette Rd.—W. C. Greening has been appointed Superintendent of the company's shops at St. Thomas, succeeding J. T. Stafford, appointed Assistant Master Mechanic at Grand Rapids, Mich.

Temiskaming and Northern Ontario Ry.—
G. A. McCarthy, heretofore Assistant Engineer, Toronto, Niagara Falls Power Co.,
has been control, Niagara Falls Power To and has been appointed Engineer of Way, T. and N. O. Ry. He will have charge of the completed portion of the line from North Bay to New Liskeard, Ont. Office, North Bay.

Toronto Ry.—Ewen Mackenzie, Assistant Superintendent and Purchasing Agent, has

A. M. Grantham has been appointed Pur-

MAINLY ABOUT PEOPLE.

- Lord Strathcona has returned to England after a short stay in Canada.
- T. H. Wickes, Vice-President of the Pullman Co., died at Chicago, Ill., Mar. 28.
- W. Cooke, C.P.R. ticket agent at Fort while out 2., was drowned there April 17, while out duck shooting.
- Mrs. Bell, wife of John Bell, K.C., Consulting General Counsel for the G.T.R., died at Belleville, Ont., April 18.
- A. E. Trites, Salisbury, N.B., has secured and Arrostol. and Aroostook Ry. to Seaport, Me.
- F. Tutton, who died in Toronto April 8, intendent of the late F. Tutton, first Superintendent of the late F. Tutton, instrument of the Kingston Locomotive Works.

 W To Describe C.P.R., W. Whyte, Second Vice-President C.P.R., about the corner about to erect a residence at the corner River A erect a residence at the Winniper. of River Ave. and Llewellyn St., Winnipeg. W. H. Davis, a member of the firm of Wm. Davis, and Sons, contractors for railway and Canal works, a member of the firm of many and canal works. canal works, died at Montreal Mar. 23, aged
- D. Miss Ada McNicholl, second daughter of in McNicholl, Vice-President C.P.R., died months. April 16, after an illness of some
- Traffic W. R. MacInnes, wife of the Freight Manitoba, from St. John, N.B., April 29, for
- and St. Lawrence Transportation Co., has of Trade.
- F. H. Chrysler, K.C., Ottawa, has been appointed counsel to the House of Commons to the House of Commo special counsel to the House of Committee, which is investigating the telephone question.
- Jas. Mills, of the Board of Railway Comnussioners, left Ottawa for Clifton Springs, What Serious illness.

- J. A. Stone, G.T.R. agent, was entertained at dinner recently by the business men of Ridgeway, Ont., on his transfer from that place to Dunnville, Ont.
- J. X. Perrault, one of the Secretaries of the Transportation Commission, of which the late Jno. Bertram, of Toronto, was chairman, died at Montreal, April 7.
- A. P. Cockburn, Manager and Secretary Muskoka Lakes Navigation and Hotel Co., is publishing a book under the title of "The Political Annals of Canada."
- W. Downie, General Superintendent C.P.R. Atlantic Division, left St. John, N.B., April 29, on the str. Manitoba, for England, where he will remain for two or three months.
- Miss J. K. Thompson, daughter of W. K. Thompson, C.P.R. Superintendent at White River, Ont., was married there April 12, to P. R. Wright, of Toronto Junction, Ont.

Professor Osler, of the Minnesota State Experimental Farm, Cookston, Minn., has been appointed Manager for Sir Wm. Van Horne's stock farm at St. Andrew's, N.B.

W. Blyth, travelling engineer and airbrake instructor Canada Atlantic Ry., Ottawa, attended the International Airbrake Association meeting at New Orleans, early in April.

D. E. Brown, C.P.R. General Agent for China and Japan, was married at Seattle, Wash., recently, to Mrs. C. B. Mills. Mr. and Mrs. Brown have since arrived in Hong Kong.

The late C. Cameron, of Collingwood, Ont., whose death was announced in our last issue. left an estate worth about \$100,000. As he left no will his relatives are seeking to ad-

The residence of T. C. Keerer, C.E., Rockcliffe Park, Ottawa, was entered by masked burglars, Mar. 30, and Mr. and Mrs. Keefer were robbed of their jewelry at the point of a revolver

F. Grundy, Vice-President and General Manager Quebec Central Ry., Sherbrooke, Que., sailed for England at the end of April, to attend the annual meeting of the company in London.

Capt. W. Manson, engaged in shipbuilding and lake navigation at Kingston, and Port Hope, Ont., since 1847, died at the latter place, April 15. Capt. Manson of the str. Argyle is a son.

Chas. MacWood, formerly chief clerk at the G.T.R. car works, London, Ont., who died in Montreal recently, was a son of W. MacWood, Superintendent of the G.T.R. Car Department.

Sir Thos. Shaughnessy, President C.P.R., accompanied by his daughter, Miss A. Shaughnessy, sailed from New York for England, Mar. 29, on a holiday trip, and are expected back during May.

F. H. McGuigan, Fourth Vice-President G.T.R., and W. R. Baker, Assistant to the Vice-President C.P.R., attended the annual meeting of the American Railway Association, recently held in New York.

In the paragraph appearing in our April issue respecting John Paul, General Freight Agent Niagara, St. Catharines and Toronto Ry., the year of his birth was given as 1853. It should have been stated as 1858.

J. G. Thomson, a former Torontonian, and until lately C.P.R. Travelling Passenger Agent at Chicago, is reported to have been appointed city passenger and ticket agent for the West Shore Rd. in New York.

Sir Wm. VanHorne is one of the incorporators of the Grand Falls Power Co., which has been incorporated under the Dominion Companies' Act for the purpose of developing power at Grand Falls, N.B.

A. E. Cook, Export Freight Agent, C.P.R., is expected to return to Montreal early in

May, from Jamaica, West Indies. He is reported to have considerably benefited in health from his ocean trip to Bristol, Eng., and thence to Jamaica.

Col. E. McMullen, who originally came to Montreal in connection with the promotion of the Montreal Bridge Co., but who has latterly been connected with the promotion of the Ottawa Valley Ry., died in the Royal Victoria Hospital there, April 2, aged 78.

Capt. C. J. Armstrong, formerly 5th Royal Scots Regt., son of C. N. Armstrong, rail-way promoter and contractor, Montreal, has recently completed the construction of a railway between Harrismith and Bethlehem, Orange River Colony, for the Government.

C. F. Daly, heretofore Chief Assistant Genr. P. Daly, heretofore Chief Assistant General Passenger Agent of the Lake Shore and Michigan Southern Ry. at Chicago, has been appointed Passenger Traffic Manager. A. J. Smith, General Passenger and Ticket Agent, Cleveland, Ohio, remains in that position.

J. G. McIntyre, who was foreman of the boiler shop at the old Great Western Ry. works, Hamilton, and who continued to hold the same position when the G.T.R. removed the works to Stratford, Ont., died there recently, aged 78. He retired from active service 1899

F. W. White was presented recently with a gold chain and locket by the officials of district 4, C.P.R., on his giving up his posi-tion as chief clerk to the Superintendent at Ottawa, to become Assistant Purchasing Agent of the Transcontinental Ry. Commission at Ottawa.

E. B. Dewey, who died in Toronto, April 13, was father of C. E. Dewey, Division Freight Agent G.T.R., Toronto; of S. E. Dewey, Travelling Freight Agent G.T.R., Hamilton, and of F. R. Dewey, in the Toronto freight office of the New York Central and Hudson River Rd.

Harry A. Norton, of Coaticook, Que., who travels 30,000 miles a year in the interest of Norton Ball Bearing Jacks, has just completed an extensive tour of Cuba and Mexico, and is spending a short time at the Norton's Ralston-by-the-Sea, Santa winter home, Barbara, California.

J. T. Stafford, Superintendent Pere Marquette shops, St. Thomas, Ont., was presented with a golden locket and an umbrella by the employes on the occasion of his recent promotion to the position of Assistant Master Mechanic, at the company's shops at Grand Rapids, Mich.

Sir C. Rivers Wilson, President G.T.R.; Sir W. Young, a director G.T.R.; T. Skinner, director C.P.R., and Sir P. Girouard, form-erly in charge of the railways in the Transvaal and Orange River Colonies, were among the guests at a dinner of the Canada Club, London, Eng., April 5.

F. D. McNaughton, C.E., who has been appointed Deputy Minister of Public Works for Manitoba, graduated from the School of Practical Science, Toronto, 1898, and for the last five or six years has been engaged as engineer for Cornwall, Ont., and for several of the adjoining municipalities.

A. Davis, who was Manager of the old North Shore Ry. between Montreal and Quebec, and its Superintendent for some time after the C.P.R. acquired it, and who was employed as a consulting engineer by the Department of Railways and Canals, died in Montreal recently. In accordance with his request his body was cremated.

Jas. Coleman, who recently resigned the position of Master Car Builder Central Vermont Ry., was presented with a cabinet of 159 pieces of silver by the officials of the company on the occasion of his leaving St. Albans, Vt., for Montreal, where he has been appointed Superintendent of the works of the Canada Car Co., now under construction there.

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The Canadian Northern Terminal Elevators at Port Arthur, on Lake Superior, have a storage capacity of 7,000,000 bushels.

The plant consists of two independent Power Houses, two Handling Houses and two Storage Houses, so arranged that either one of the Handling Houses can operate the entire plant.

> Receiving capacity, 40 cars per hour. 120 " Shipping 15 " Cleaning

The Storage Houses are of fire-proof tile construction.

These Elevators are the most modern and best equipped in the world. For Rates, Shipping Directions, and other information, apply to-

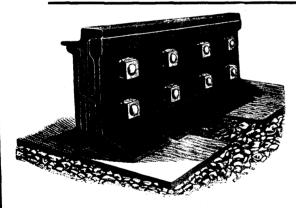
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joints for the reason that experience has proven it to be the best appliance of its kind ever put upon the market, as evidenced by the fact that it is used in all parts of the world on over 20,000 miles of

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N. Curry, of Rhodes, Curry & Co., Amberst, N.S., accompanied by Mrs. Curry, arrived at New Westminster, B.C., April 11. La.; San Francisco, Cal., and Victoria, B.C. They were expected to return to Amherst arrived in May. Mr. Curry has been elected a Coal and Ry. Co. Coal and Ry. Co.

The transportation and allied interests were well represented at the Toronto Horse Show in April, the following having boxes which in April, the following at the prices which they bought by auction at the prices shared:—E. B. Osler, \$140; W. Mackenzie, \$135; W. D. Matthews, \$135; D. D. Mann, \$125; W. Hendrie, \$130; H. C. Hammond, G. Marks \$110 F R Polson, \$80. G. Marks, \$110, F. B. Polson, \$80.

R. K. Harris, who has been appointed bury. Order Engineer, Orford Mountain Co., Kingsbury. Ont., July 20, 1866, and entered railway service in 1886, rodsince which his record has been: 1886, rodman on construction Brockville, Westport and Sault Ste. Marie Ry.; 1887-1888, rodman on construction of C.P.R. in Maine; to 1895 on engineering the C.T.R. under the on engineering staff of the G.T.R. under the engineering staff of the G.T.R. under the fate F. P. Hannaford; 1897 to 1899, on the road; 1900 to 1904, construction engineer Mountain Ry.

A L. Ogilvie, who has been appointed General Ogilvie, who has been appointed Railway Purchasing Agent, Transcontinental Asilway Commission, was born at Richwood Oxford County, Ont., May 23, 1868. He studied architecture and graduated in Totonto 1800 tonto 1890, practising there until 1898, when he went to the Yukon. He returned in 1900 and went to the Yukon. He returned in the Public and was appointed architect in the Public Works pappointed architect in 1901 he was appointed architect in the lumber of Public Buildings at Ottawa, and on Oct. 12, 1904, the Transcontinental Railway Commission.

W. H. Underwood, who has been appointed Assistant General Passenger Agent Michi-Assistant General Passenger Agent Michael Rd., at Chicago, Ill., was born tailway service 1874, since which he has been one cutively. 1874 to May 1, 1876, clerk in consecutively: 1874, since which he has been office Assistance 1874 to May 1, 1876, clerk in office Assistant General Superintendent Michi-Ran Central Rd.; May, 1876, to July, 1878, Lettoit, Mich. 1978, to April, 1883, Detroit, Mich.; July, 1878, to April, 1883, Detroit.

Network et vicket office, Canada Southern Ry., et vicket office, Canada Southern Ry., et vicket passenger and ticket agent Wabash Rd., et vicket agent thy passenger and ticket agent Wabash Rd., rn passenger and ticket agent Wabash Rd., rn passenger Agent, Michigan Central Rd., Chicago, Ill., April, 1887, to April, 1905, Buffalo, N.V

P. I. Whitney, who has been appointed by, St. Paul, Minn., was for several years Central Rd., and from Sept., 1881, to April, and from Sept., 1881, to April, Rd., and from Sept., 1881, to April, he was Assistant General Passenger chuent record of that road. His subcity passes of that road. His sure city passes of the Shore and Michipassenger agent Lake Shore and Michi-Southern Ry., Chicago; July, 1887, to July, 1888, Ry., Chicago; July, 1887, to toad at Chicago; July, 1888, General Passenger and Ticket Agent St. Paul, Minneaphorthar and Agent St. Paul, Minneaphorthar as the line developed into the Great C.

C. R. King, who has retired from the posi-Agent Michigan Central Passenger and Ticket May 1 1944 and entered railway went Michigan Central Rd., at Chicago, 111., 1881 birdhigan Central Rd., at Chicago, 111., 1844, and entered railway and and North as tally clerk Michigan Central Rd., at transfer tal and Northern Indiana Rd., at transfer law thouse: entered service U.S. army intight Northern Indiana Rd., ac light house; entered service U.S. army light, 1864, with 130th Ohio Volunteer Intight, and from Sept., 1864, to the close of war was clerk to quartermaster at Louisman Way. after the close of the war was enky; after the close of the war was en-mercantile pursuits to May, 1874,

when he entered the service of the Detroit and Bay City Ry, as general agent and local and Bay City Ry, as general agent and load agent at Bay City, Mich.; Dec. 1, 1876, to April 1, 1887, ticket agent Michigan Central Rd.; April 1, 1887, to Mar. 1, 1889, Assistant General Ticket Agent, same road; Mar. 1, 1889, to April 1, 1905, Assistant General Passenger and Ticket Agent, same road.

G. A. Mountain, whose portrait appears on the first page of this issue, was born in Quebec city, 1860, and began his professional career in the employ of Kinipple and Morris, of London, Eng., engineers for the Louise Embankment and graving docks, Quebec, remaining with them during their work on the Island Ry. of Newfoundland, and the Quebec and Lake St. John Ry. He joined the engineering staff of the Canada Atlantic Ry, in 1881, and was Assistant Engineer until 1887, when he was appointed Chief Engineer, which position he held up to July, 1904, when he was appointed Chief Engineer to the Board of Railway Commissioners for As Chief Engineer to the Canada Canada. Atlantic Ry., he had charge of the construc-tion of the line between Ottawa and Parry Sound, and of the Coteau bridge across the St. Lawrence River. He became a member of the Canadian Society of Civil Engineers in 1887, has been a member of its council for several years, and is a past vice-president.

J. F. Chapman, whose portrait appeared on pg. 157 of our last issue, was born at Frankford, Hastings County, Ont., Aug. 25, 1863, and having learned telegraphy, was appointed first agent of the northern extension of the Central Ontario Ry. at Frankford. As the line was opened up he was moved to other stations, being officially located at Coe Hill Mines, the northern terminus. On the closing down of the Coe Hill mines he entered the service of the Bay of Quinte Ry., his record being: June, 1886, to Aug., 1890, chief clerk to General Freight and Passenger Agent, B. of Q. Ry., at Deseronto; Aug., 1890, to Jan., 1895, Superintendent of the Thousand Islands Ry., at Gananoque, Ont.; Jan., 1895, to Jan., 1904, Assistant General Freight and Passenger Agent, B. of Q. Ry., T.I. Ry., Oshawa Ry., and the Deseronto. Q. Ry., 1.1. Ry., Oshawa Ry., and the Des-eronto Navigation Co. at Deseronto; Jan., 1904, to date, General Freight and Passenger Agent, same lines. Two brothers are also in the railway service, E. R. being Superintendent of the Thousand Islands Ry. at Gananoque, and A. M., Agent Central Ontario Ry. at Frankford.

May Birthdays.

Many happy returns of the day to

Garret Vliet, Assistant Master Mechanic, G.T.R., Portland, Me., born at Milwaukee, Wis., May 5, 1854.
W. R. Baker, Assistant to Vice-President,

C. P. R., Montreal, born at York, Eng., May 25, 1852

S. Barker, M.P., ex-General Manager Northern Ry., Hamilton, Ont., born at Kingston, Ont., May 25, 1839.

C. W. Burpee, Superintendent C.P.R., Brownville Jct., Me., born at Keswick, N.B.,

May 15, 1861. G. S. Cantlie, Superintendent Car Service,

C.P.R., Montreal, born there May 2, 1867.
C. L. Coon, City Passenger and Ticket
Agent, G.T.R., Buffalo, N.Y., born at Watertown, N.Y., May 20, 1868.
M. Donaldson, General Superintendent,
Canada Atlantic Ry., Ottawa, Ont., born

near Edinburgh, Scotland, May 1, 1851.
G. C. Dunn, District Engineer Transcon-

tinental Railway surveys, Fredericton, N.B., born at Quebec, May 13, 1862.

Hon. W. C. Edwards, Temiskaming Steamboat Co., Rockland, Ont., born at Clarence, Ont., May 7, 1844.

J. D. Evans, Engineer Central Ontario Ry., Trenton, Ont., born at Goderich, Ont., May

27, 1843. F. M. Fallon, City Passenger and Ticket Agent, Rutland Rd., Montreal, born there

May 26, 1875.
E. T. Galt, President Alberta Ry, and Ir-

E. T. Galt, President Alberta Ry, and Irrigation Co., Lethbridge, Alta., born at Sherbrooke, Que., May 24, 1850.

J. R. Gilhula, Chief Dispatcher, Pere Marquette Rd., St. Thomas, Ont., born at Chatham, Ont., May 27, 1865.

A. Hardy, General Freight and Passenger

A. Harty, General Freight and Passenger Agent, Quebec and Lake St. John Ry., Quebec, born there May 12, 1855.
C. M. Hays, 2nd Vice-President and General Manager, G.T.R., and President G.T. Pacific Ry., Montreal, born at Rock Island, Ill. May 16, 1858.

Ill., May 16, 1856.

W. T. Huggan, Accountant and Auditor Prince Edward Island Ry., Charlottetown, P.E.I., born at Halifax, N.S., May 24, 1851.

J. Hunter, Chief Engineer and General Superintendent Esquimalt and Nanaimo Ry., Victoria, B.C., born at Aberdeen, Scotland, May 7, 1839. W. S. Kinnear, Chief Engineer, Michigan

Central Rd., Detroit, Mich., born at Circleville, Ohio, May 25, 1864.

A. L. Ogilvy, General Purchasing Agent, Transcontinental Railway Commission, Ottawa, Ont., born at Richwood, Oxford County, Ont., May 23, 1868.

G. A. Parker, Auditor Dominion Atlantic Ry., Kentville, N.S., born at Walton, N.S., May 1, 1855.

. j. Power, Auditor of Disbursements, G.T.R., Montreal, born at Rochester, N.Y., May 19, 1843.

Hayter Reed, Manager-in-Chief C.P.R. hotels, born at L'Original, Ont., May 26, 1849.

H. B. Sherwood, Superintendent Bay of Ouinte Ry., Napanee, Ont., born at Auburn, N.Y., May 25, 1847.
E. Tiffin, General Traffic Manager, I.C.R., Moncton, N.B., born at Hamilton, Ont., May

W. H. Underwood, Assistant General Pasenger Agent, Michigan Central Rd., Chicago, Ill., born at Rochester, N.Y., May 6, 1858.
J. H. Walsh, General Freight and Passen-

Que., born at Quebec, May 12, 1860.

H. K. Wicksteed, Chief Engineer James Bay Ry., Parry Sound, Ont., born at Quebec

May 25, 1855.

May 25, 1855.
James Yeo, ex-Roadmaster Intercolonial Ry., Riviere du Loup, Que., born at Bideford, Devonshire, Eng., May 1, 1830.
J. A. Yorick, Canadian Passenger Agent, Chicago, Burlington and Quincy Rd., at Toronto, born at London, Ont., May 7, 1872.

The American Locomotive Co., and the Locomotive and Machine Co. of Montreal, have removed their New York offices to the Trinity Building, 111 Broadway.

At the Canadian Railway Club's monthly meeting in Montreal May 2, L. R. Johnson, Assistant Superintendent of Motive Power C.P.R., will lecture on Japan, illustrated by ime light views. There will also be a musical lime light views. programme and ladies will be admitted.

The Intercolonial Ry. passenger department has issued a number of attractive folders for the current season. "The Maritime Express" gives a description of all the points reached by the line, starting from Montreal, with a time table of the train. The others are "Salmon Fishing," "Moose of the Miramichi," "Fishing and Hunting," and "A Week in the Canaan Woods." The map given in these folders has been brought somewhat more up-to-date than those previously issued, but it is still considerably out, notably in regard to the route of the Halifax and Southwestern Ry.



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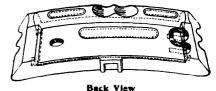
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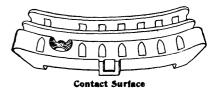


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In the United States 170 railroads have equipped over 25,500 cars with Pintsch Light. In the World more than 135,000 cars, 6,000 locomotives and 1,800 buoys are using Pintsch Light, the test of experience having proven it the most economical, safe and reliable system for car lighting. Pintsch Gas Buoys adopted as standard by the United States Lighthouse Board. Highest awards taken at World's Expositions at Moscow, Vienna, St. Petersburg, London, Berlin, Paris, Chicago, Atlanta, Buffalo, and now St. Louis.

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THE HIGHEST AWARD

Practical service for the past 18 years has demonstrated the reliability, efficiency and adaptability of the Safety Systems of Direct Steam and Hot Water Heating which are being applied in large quantities to railroad equipment. Straightport coupler Automatic Steam Traps. 140 Railroads are using these devices, applied on 16,000 cars. Standard on Pullman cars.

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OHIOAGO

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Canadian Freight Association.

The annual meeting was held in Montreal The annual meeting was held in Montreal April 6, the President, Carl Howe, in the chair. J. Paul, G.F.A. Niagara, St. Catharines and Toronto Ry.; J. S. Pyeatt, Superintendent Pere Marquette Rd., and R. A. Carter, D.F.A. Richelieu and Ontario Navigation Co., were elected active members, and B. H. Bennett, G.A., Chicago and Northwestern Ry., was elected an honorary memwestern Ry., was elected an honorary mem-

It was pointed out that the meeting was held on the Association's 21st anniversary. The Association's 21st anniversal and now has over 90 active and 30 honorary

Officers and committees were elected as follows: President, W. R. MacInnes; 1st Vice-President, Geo. Collins; 2nd Vice-President, F. J. Watson; Executive Committee, W. B. Bulling, J. Pullen, C. Howe; Advisory W. P. Hinton W. P. Hinton.

CLASSIFICATION COMMITTEE—W. B. Bulling Assirication Committee—W. D. Dan T. Marshall, C. Howe, C. A. Jaques, W. Phil-ps, E. R. Bremner, F. F. Backus.

PREIGHT INSPECTION COMMITTEE—G. Colins, F. Conway, F. F. Backus, M. H. Brown, J. I. Macdonald, J. Mossman, A. Cowan, L. Macdonald, John Paul.

CAR SERVICE COMMITTEE—J. B. Morford, J. F. Sturtevant, G. S. Cantlie, E. Fisher, G. Tombs.

The appointment of Secretary-Treasurer the Insurance of the Car Service Bureau and the Insurance of the Ins the Inspection Bureau, was referred to the

Recutive Committee.

It was decided to hold the next meeting of the was decided to hold the next meeting of the Association in July at Hotel Cham-plain, Bluff Point, N.Y.

C.P.R. Powers Respecting Branch Lines.

The Supreme Court of Canada has delived in the supreme Court of Canada has delived to it by the Supreme Court of Canada has universely judgment in the case referred to it by the Board of Railway Commissioners, in branches from its main transcontinental line. branches from its main transcontinental line, under the terms of its original charter, and without authority. without additional parliamentary authority, and involved in a continuous serious serio was involved. The particular line under raised, is from Romford, on the main transcontinental line 27 miles east of Sudbury, continental line 6.7 miles east of Sudbury, Ont, to a junction with the company's line or near to give direct at or near Kleinburg, Ont., to give direct connection with Toronto. The point was maken by the James Bay Ry. Co., one of now under construction from Toronto to the c Party Sound, en route to Sudbury. The selfor the C.P.R. and the James Bay Ry., and annound her her pailway Commissioners, and approved by the Railway Commissioners, and the contesting parties submitted state-tions. The questions submitted in the stated were:

(1) Has the C.P.R. under the legislation, to construct charter aforesaid, now power to construct the branch line referred to, or the time the branch line referred to such has the time expired within which such

the time expired within wall.

(2) Do such legislation, schedules and company of the construction by the said company of the proposed branch line, it be-ing altogether situated in the Province of

(3) Is it open to the James Bay Ry. Co. to the Board of Railway Commissioners the objection that the time within the said commany may build branch the objection that the time within the said company may build branch under its company may build branch

tions 1 and 2 in the affirmative. Judge Davies concurred in Judge Nesbitt's opinion, and also answered questions 1 and 2 in the affirmative. Judge Nesbitt thought an answer to question 3 was unnecessary, in view of his opinion on the other questions, but he answered it in the affirmative. Judge Sedgewick concurred with Judge Nesbitt in regard to question 3. Judge Davies expressed no opinion in regard to question 3. Judge Girouard said that in consequence of his answers to questions 1 and 2 an answer to question 3 was unnecessary. Judge Idington dissented from the other judges, and gave his opinion that the time had expired within which such a branch line as the Romford-Kleinburg line might have been constructed. The net result is that the court stood four to one in favor of the C.P.R. Co.'s contention that under the legislation, etc., of 1881, it has the power to build the branch line referred to, and that such legislation, etc., authorizes the construction by the company of the branch line, it being altogether situated in Ontario.

Taxability of the C.P.R. Land Grant.

The Supreme Court of Canada has delivered judgment in the three appeals, in which the question of the taxability of the lands granted to the C.P.R., to aid in the construction of the line, was involved. The municipalities of Cypress and Argyle, in Manitoba, were the plaintiffs in two of the cases, which raised the right of municipalities in Manitoba to tax C.P.R. lands within the area added to the province in 1881; and in the third case the C.P.R. appealed against the action of the school district of Springdale, N.W.T., in assessing the portions of the C.P.R. land grant within its limits for school purposes. The court, after a full review of all the facts, and the statutes referring thereto, decided that the 20 years' exemption from taxation, granted for the 25,000,000 acres of land conveyed to the C.P.R. by the Dominion Government in the contract for the construction of the line, was to begin from the issuing of the letters patent granting the lands to the company after selection. The two apthe company after selection. peals from Manitoba were dismissed, and the one from Springdale was allowed, case with costs in favor of the C.P.R.

While the three cases were nominally fought by the local authorities, they were test cases taken at the instance of the Dominion Government. In the Manitoba cases the courts there held that the power to tax commenced 20 years from the date of the issuing of the 20 years from the date of the issuing of the letters patent by the Crown, which decision has been confirmed; and in the Springdale case, the courts held that there was power to tax the lands for school purposes. C.P.R. appealed against this view, and its

appeal has been upheld.

A. R. Creelman, K.C., Chief Solicitor of the C.P.R., in an interview after the decision had been announced, stated that the chief source of grievance is now rapidly disappearing. So soon as the lands are sold and occupied the exemption ceases. That is a point which should be made perfectly clear. Large areas of the company's holdings are now being sold each year, so that the quantity of non-taxable lands is disappearing much more rapidly than would be the case were the expiration of the 20 year limit awaited. One thing is certain, the company has no desire to hold the lands longer than is absolutely necessary. The sooner the now unoccupied areas are populated the better it will be for the company as a transportation concern.

The Lethbridge Electric Co. is enlarging its plant and has ordered a 350 horse-power engine and two 125 horse-power boilers from the Robb Engineering Co., Amherst, N.S.

Orders by the Railway Commissioners.

The following orders have been issued by the Board of Railway Commissioners:-

Authorizing the Canadian Northern Ry. to cross the C.P.R. at Emerson station, Man., (Feb. 14).

Approving plans for the construction of a spur line, 1,900 ft. long, near the Forks of Credit Station, Ont., for the C.P.R. (Mar.

Authorizing the Vancouver, Westminster and Yukon Ry, to construct a branch line on Front St., Vancouver, B.C. (Mar. 14.)
Directing the removal of the west track of

the Lake Erie and Detroit River Ry., where it crosses the London and Port Stanley gravel

Approving of the crossing of the G.T.R. by the Dupuis Fourth Line drain, near the Ruscom, in Rochester tp., Essex County. (Mar. 21.)

Approving plans for a deck-plate girder span over Baker brook on the Temiscouata Ry. (Mar. 22.)

Authorizing the Vancouver, Victoria and Eastern Ry. and Navigation Co. to open the branch from Grand Forks to Phœnix, B.C.,

and the Granby Smelter spur. (Mar. 23.)
Authorizing the James Bay Ry. to construct a bridge over Wallace cut, Lake Muskoka, and over the Severn River at Ragged

Rapids crossing. (Mar. 24.)
Approving of plans for the reconstruction of a number of bridges on the C.P.R. lines. (Mar. 27.)

Authorizing the Vancouver, Westminster and Yukon Ry. to carry its telegraph wires across the track of the C.P.R. in New Westminster, B.C. (Mar. 27.)

Authorizing the Vancouver, Westminster and Yukon Ry. to carry its telegraph wires across the tracks of the British Columbia Electric Ry. in Vancouver, B.C. (Mar. 27.)

Authorizing the Vancouver, B.C. (Mar. 27.)
Authorizing the Vancouver, Westminster and Yukon Ry. to carry its telegraph wires across the C.P.R. tracks near the Fraser River Bridge, New Westminster, B.C. (Mar.

Authorizing the C.P.R. to construct a branch line from the spur already constructed at Bienfait, Man. (Mar. 28.)

Granting authority to the G.T.R. to reconstruct the bridge over the River Speed, 481 miles from Toronto. (Mar. 28.)
Sanctioning the deviation of the C.P.R.

line between mileage 104 and mileage 107, near Aikens, Assa. (Mar. 28.)

Approving the crossing of the C.P.R. in Sault Ste. Marie, Ont., by tracks of the International Control of the Interna

ternational Transit Co., on the latter providing the necessary interlocking, derailing

and signalling devices. (Mar. 28.)
Granting permission to the Guelph and Goderich Ry to permanently divert the highway near Milverton, Ont., under the bridge crossing the Milverton River. (Mar. 30.)
Directing the C.P.R. to provide interlock-

ing, derailing and signalling devices at the Ashburnham bridge, Peterborough, Ont., where the railway crosses the Trent Valley canal. (Mar. 30.)

Authorizing the C.P.R. as lessees of the Guelph Junction Ry. to construct a line to the Page-Hersey Iron Tube Works, Guelph, Ont. (Mar. 30.)

Approving plans of a deviation of the al-ready located line of the Canadian Northern Ry. from Carman, between the track end and the proposed junction with the Morris-Brandon branch at Somerset, Man. (Mar. 30.)

Authorizing the C.P.R. as lessees of the Ontario and Quebec Ry. to construct a spur track on George St., Peterborough, Ont. (Mar. 31.)

Approving general specifications for steel railway bridges and viaducts, and bridge masonry for the G.T.R. (April 4.)

Approving plans for deck-plate girder span

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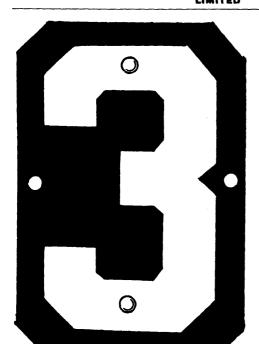
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over Little River, Que., for the Temiscouata

Ry. (April 4.)

Authorizing the Vancouver, Westminster

Cently completed over False Creek, Vancently completed over False Creek,

couver, B.C. (April 8.)

Extending to April 15 the time within which the G.T.R. may accept the order for the Eront St. property, the expropriation of the Front St. property, (April 8.)

Approving plans for the reconstruction of C.P.R. Mountain section, Pacific division.

Approving plans for the reconstruction of seven bridges on the Canada Atlantic Ry. (April 12.)

Authorizing the C.P.R. as lessees of the Ontario and Quebec Ry. to expropriate for railway pure of Perth. Ont. way purposes lands in the town of Perth, Ont.
A. 13.)

Authorizing a deviation from the located Authorizing a deviation from the located line of the projected line of the Toronto and liagara Power Co., through Grimsby township. (April 15.)

RATES FOR GRAIN AND MILLED PRODUCTS. The following order was issued by the Com-

"In the matter of the complaint of the Farmers' Railway Companies in Ontario and Quebec, Act, 1903. Act, 1903, 10 the Board, alleging that charged for Abstraction of grain charged for the transportation of and of grain products, respectively, in that higher rates are charged on the grain which were formerly carried on the same basis Gregory on behalf of the complainants and upon the respondent companies, and chief Traffic Officer of the Board, and the trees adduced—the Board doth order that evidence adduced—the Board doth order that respondenced—the Board doth order that the respondent companies restore the equilibrium between the part of the rates on grain in between their freight rates on grain that sproducts by reducing the rates now on the milled products thereof."

The I.C.R. and the Canada Atlantic.

Rouse of Commons of the bill authorizing ada Atlantic Dr. the Carpouncement 'was ada Atlantic Ry. the announcement 'was be introduced by the Government to enable to take running rights over the G.T.R. to take running rights over the G.T.R. and Atlantic Poteau, Que., and over the C.T.R. Coteau. Que., to Canada Atlantic Ry. from Coteau, Que., and over the country of Harbor, Ont., upon terms to be fixed the L.C.R. to run its trains through from Railway, N.S., and St. Lohn, N.B., to Depot Raiffar, N.S., and St. John, N.B., to Depot the not only for the use by the I.C.R. of horoid. Atlantic Ry. Co.'s terminals at horoid. Harbor. Ont Depot Harbor, Ont., but gives authority to provide independent terminals there should independent terminals there should in Railwan. Warrant it. The Minister forthcoming circumstances warrant it. The Minister allways, in announcing the forthcoming that the tolls to be charged by the I.C.R. West of Montreal would be subto the Control of the Railway Commission would and added that the Commission would and added that the Commission would than the control of the line east of Mon-covernment's policy to use the line be-the present system for the purpose of with Georgian Bay and Montreal, together taking present system, for the purpose of Ralian Scaboard at Montreal, Quebec, the special legislation necessary to give

effect to the Government proposal was introduced April 10, and consists of an amendment to the Railway Act. The proposal is that on the transfer of the Canada Atlantic Ry. to the G.T.R., the Government reserves running powers over the G.T.R. from Montreal to Coteau, Que., and over the C.A.R. from Coteau, Que., to Parry Sound, Ont., for through freight and passenger trains, and to do a local freight and passenger business. The terms of compensation for such rights are to be determined by the Railway Commission, with an appeal to the Supreme Court instead of to the Governor-in-Council as in ordinary cases. The Premier explained that it was not the intention of the Government at present to run I.C.R. trains from Montreal to Georgian Bay, but as the G.T.R. and the Canada Atlantic Ry. were making an agreement between themselves, the Government merely ensured that if it were desired to have running rights for the Intercolonial Ry., the Railway Commission was authorized to fix the terms. The bill was read a first time.

Railway Equipment Notes.

The Minudie Coal and Ry. Co. will be in the market shortly for a locomotive, passenger car and 10 or 20 flat cars.

The James Bay Ry. has ordered from the Canada Foundry Co., Toronto, five 10-wheel locomotives, for May and June delivery.

The passenger car erecting shop at Rhode, Curry & Co.'s works, Amherst, N.S., is being extended owing to increased demands for

J. J. Gartshore has sold a locomotive of the yard engine type to the Grey and Bruce Cement Co., Owen Sound, to run between the marl pits and the G.T.R.

Rhodes, Curry & Co., Amherst, N.S., have recently completed 250 flat cars and 50 box cars for the Intercolonial Ry., and 50 box cars for the Quebec Central Ry.

The Intercolonial Ry. is not at present in the market for additional equipment, but will be very shortly, an appropriation of \$698,-500 being voted for that purpose.

One of the old first-class cars of the Canada Eastern Ry. has been reconstructed in the I.C.R. shops at Moncton, N.B., as a combined second-class and baggage car.

The G.T.R., between Feb. 11 and Mar. 20. received the following new equipment:-160 box cars, 60,000 lbs. capacity, from the United States, being part of an order for 1,000

The C.P.R. placed the following orders for equipment between Mar. 22 and April 13:-11 passenger and freight locomotives, one sleeping car and one tourist car, at its Angus shops; and one pile driver in the United States

The G.T.R. added to its rolling stock between Mar. 11 and April 1, 226 box cars of 60,000 lbs. capacity, from a U.S. firm with which an order for 1,000 cars had been placed, and 231 box cars of similar capacity, also from a U.S. firm.

The C.P.R. added the following to its equipment between Mar. 22 and April 13:— Five switching locomotives, one first-class car, four colonist cars, 235 flat cars, from its Angus shops; eight vans from its Farnham, Que., shops, and four colonist cars from the United States.

The Crossen Car Manufacturing Co., Cobourg, Ont., has under construction 10 secondclass vestibuled coaches, and five baggage cars for the Canadian Northern Ry., four conductor's vans for the James Bay Ry.; one baggage and mail car and 10 stock cars for the Temiskaming and Northern Ontario

There was expended for rolling stock for the Intercolonial Ry. between July 1, 1896, and June 30, 1904, a total of \$5,751,085.03. The rolling stock on hand June 30, 1905, was:—302 locomotives, 367 passenger cars, 10,107 freight cars, 86 snow ploughs, etc. There were on hand to be rebuilt at that date, three locomotives, three passenger cars, and one snow plough.

The 200 convertible ballast cars which the The 200 convertible ballast cars which the C.P.R. is having built at its Angus shops will be 34 ft. long, and of 80,000 lbs. capacity. The bodies will be of wood, placed on C.P.R. standard trucks; journals, 5 by 9 ins.; and cast iron wheels, 35 ins. in diameter. The special fittings will include Westinghouse air brakes, Simplex bolsters, and brake beams; and Susemihl side bearings.

The Crossen Car Manufacturing Co., Cobourg, Ont., has delivered during the current vear three first-class vestibuled coaches, four second-class vestibuled coaches, two baggage and mail cars, to the Temiskaming and Northern Ontario Ry.; one first-class passenger coach and one combined baggage and mail coach to the Central Ontario Ry., and 50 box cars to the Intercolonial Ry.

The Locomotive and Machine Co., of Montreal, has completed an order for ten 10-wheel locomotives for the Canadian Northern Ry.; and has now under construction 10 mogul Richmond compound locomotives for the G.T.R.; one mogul Richmond compound locomotive for the Quebec and Lake St. John Ry., and a small 4-wheel saddle tank locomotive for the Lakefield Portland Cement Co.

The Intercolonial Ry. between Mar. 28 and April 19 added to its rolling stock four Pacific type locomotives from the Canadian Locomotive Co., Kingston, Ont., and three baggage cars from Rhodes, Curry & Co., Amherst, N.S. It also received 26 box and 43 flat cars from Rhodes, Curry & Co., to replace cars broken up or otherwise destroyed. No orders have been placed for rolling stock since Mar. 28, and the line is not at present in the market for any.

The Paul Lee Co. has been incorporated under the New Brunswick Companies' Act, with a capital of \$60,000 and offices at Moncton, N.B., to engage among other things in the manufacture of railway and tram cars, trucks, carriages, rolling stock and equip-ments of all kinds, including everything employed in and about the construction of such rolling stock. The provisional directors are:—P., J. A., C. S., and Mrs. A. Lea, D. J. Welsh, of Moncton, and M. M. Churchill, of Yarmouth, N.S.

The Canadian Locomotive Co., Kingston, Ont., is building a 10-wheel tank locomotive for the West Canadian Collieries, Blairmore, Alta., of the following general dimensions:

—Type of engine, double-ended side tank; fuel, bituminous coal; gauge, 4 ft., 8½ ins.; weight, 140,000 lbs.; wheel base, rigid, 10 ft.; cylinders, 18 x 24 ins.; driving wheels, 50 ins.; boiler pressure, 190 lbs.; type of boiler, radial stayed; brakes, Westinghouse automatic; style of tank, side; capacity of tank, 1,200 imperial gallons; front and rear truck, radial type.

Considerable progress has been made with the erection of the buildings for the Canada Car Co. at Montreal The entire superstruc-ture, it is expected, will be completed by the end of June, and it is hoped to have the machinery installed so as to begin the manufacture of cars in August. Electric turbine power will be used throughout, and over 100 motors will be required for the driving of individual machines. Electric cranes will also be used. The company expects to open the plant with 1,500 hands, which will be increased to 2,000 as soon as required. The plant will have a total capacity of 600 freight cars, 15 passenger coaches, and 30 electric railway cars a month.

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THE ORFORD COPPER COMPANY

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A.S.C.E. STANDARD SECTION

STEEL RAILS

OF HIGHEST QUALITY

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100 King Street West TORONTO DRUMMOND, McCALL & CO.

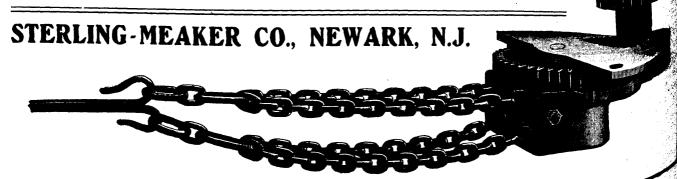
GENERAL SALES AGENTS

THE ALGOMA STEEL CO., Limited

45 TONS

On March 29th we received an order for 50 pairs of Sterling Safety Brakes for cars

weighing 45 tons each. If safety is worth anything this brake should be on every car, large or small.



1905.]	THE
The one	
The C.P.R. has placed orders for 50 motives, delivery during June, July and Mich 10 are being built at the comtive Coss; 10 by the Canadian Lo) loco-
Angus of 10 are being built at the com	i Aug., pany's
Angus shops; 10 by the Canadian Locomotive Co., Kingston, Ont.; and 30 the Co., of Mo	como-
Locomotive and Machine Co., of Mo tical following dimensions, etc., which are	y the ntreal
tical four dimensions, etc., which are	e iden-
CYLINDERS.—Type	aı :
CYLINDER.—Type, piston; diameter, TRACTIVE POWER.—33,320 lbs. 10 in. BASE.—Driving, 14 ft. 10 in.; rigid with the control of	21 m.,
WHEEL POWER.—33,320 lbs. 10 in.; total, 26 ft. 1 in.; engine and tender, 54 total, 26 ft. 1 in.; engine and tender, 54 tes, 142,000 lbs.; engine and tender, 316,00 l66 sq. ft.; arch tubes, 28 sq. ft.; total, 2 ALES.—Driving journals main 6 x 10; the true of true	d, 14 ft.
142,000 lbs.; engine and tender, 54	ft. 6 in. on driv-
166 Sq. ft. Surface.—Tubes, 2,234 sq. ft.;	0 lbs. firebox,
ft.; sq. ft.; arch tubes, 28 sq. ft.; total, 2 AXLES.—Driving journals main 6 x 10 is	,428 sq.
b 10 in journals, diameter, 6 x 10 in.:	tender.
Bouling Statements, diameter, 6 x 10 in.; Bouling Real Type, extended wagon top, radial and the diameter first ring, 70% in.; working property of the property of the statement	stayed;
Fighter first ring, 70% in.; working p	ressure,
5-16 in; thickness of crown, in; tube, in	width, .: sides.
outside ak.—Type, extended wagon top, radial 200 lbs.; fuel bit string, 70\forall in.; working p Rolls.; fuel bit string, 70\forall in.; working p Si kinsto.—Type, wide; length, 102\forall in.; thickness of crown, \forall in.; tube, \forall in.; back, \forall in.; back, \forall in.; water space, front Tubes.—No., 244, of 2 in. diameter, and Roxes.—Driver and tender, westinghouse purpose and tender. Westinghouse revorts to string the string to the string the	, 5 in.;
Boxes, length, 14 ft. 4 in.	44 of 5
Driving and others, cast steel.	ise air
ENGINE TO cubic inches.	nd; res-
RATE.—C.P.R. cast iron rocking	
TRNDRR 15 ft. 2 in.	le; top
in diameter; leady of 2 in. diameter, and diameter; length, 14 ft. 4 in. BOXES.—Driver gand others, cast steel. BRAKE.—Driver and tender, Westinghouse; pump, 11 in. left has every of the control of the	, water
ALVES Travel 6 in street	ins, ruei
cotton is tank capacity, 5,000 imperial gallo valves.—Travel, 6 in.; steam lap, 14 where, 3 in.; setting, line and line. capacity, 3.32 in.; setting, line and line. capacity, 3.32 in.; setting, line and line. capacity, diameter, 56 in.; material, cast steader, 34 in.; wrought iron disc. The Michigan Central Rd, has played.	in.; ex.
truck, diameter 31 in third, CSS	, 63 m.; eel; en-
The Mich: wrought iron disc.	andard;
VI M. THE PART	
of Montreal, for 14 consolidation freigh motives, and one Pacific type passenge locomotive will be the h	ne Co., it loco-
harve. The Pacific type passenge	er loco-
locomotive. This latter will be the habout 220,000 lbs. Following are the freight.	eaviest eighing
about 220,000 lbs. Following are the distribution of the consol of the c	idation
Track Strok	mpound
Rauge	32 in.
base, driving	300 lbs.
Weisl total 17	ft. 0 in.
tion of the state	ft. 9 in.
on drivers174	,000 lbs.
Gree, tubes	,500 lbs. .6 sq. ft.
total3067	5.3 sq ft. .9 sq. ft.
others journals, main 9½ in.	23 sq. ft. x 12 in.
tenden tenden gournals, diameter	x 12 in, 6 in.
Arte area total 3067 Graph of the struct ournals, main 9½ in a capine truck journals, diameter length length total total 400 to the struct ournals, diameter bender truck journals, diameter total 400 to the struct ournals, diameter total 400 to the struct ournals are tota	12 in.
working Dressure	9 in. straight
com width	210 Ībs. wide
taying	961in. .751 in.
Rose Ratio no. 359; dia	radial m. 2 in.
Brate Other main No. 11. F	ft. 7 in. 3. W. G.
driver C	ast steel
Westi Westi Westi	nghouse
Westing tyle. 2-wheel swing centre C.	nghouse S. frame
segme truck journals, diameter length	n single
Wheeler	channels bottom
driv, diam 6,000 gallo	ns, U.S.
" centres diam	63 in.
caterial, main caterial, diam caterial, main cateri	ast steel
of tolowing truck, diam	33 in.
The Pacific are the general dis	33 m.
type passenger locomot	us, etc., ive:
stroke simple pisto	on valve
simple pistoke.	26 in.
i '	

Track gauge 4 ft. 8½ in.
Track gauge 11. 07 In.
" tractive power
Wheel base, driving and rigid
" total
" total, engine and tender60 ft. 5 in.
total, engine and tender oo it. 3 in.
Weight, in working order
on drivers
" engine and tender .343.600 lbs.
Heating surface, tubes3,690.6 sq. ft.
111eDOX180.3 Sq. 1t.
" arch tubes23.6 sq. ft.
" total
Grate area
Grate area
Axles, driving journals, main9½ in. x 12 in.
" engine truck journals, diameter . 6 in. x 12 in.
" trailing truck journals, diameter 8 in. x 14 in.
" tandar truck journals, diameter .6 in. x 17 in.
tender truck journals, diameter37 in. x ro in.
Boiler, type straight top radial stay
" working pressure
Firebox, typewide
length90g in.
" width
Crown stay
Tubes no. 354; diam. 2 in.
length
" gauge
Boxes, driving main, and otherscast steel
Brakes, Westinghouse
t' tondon Westinghouse
tender westinghouse
" air signal
Engine truck swing centre hearing
Trailing truckradial, with outside journals
raining truck radial, with outside journals
Exhaust pipe cast iron, single Grate, style R.R. Co., C. I. rocking
Grate. style R.R. Co., C. I. rocking
Tender frame
Tank, style water bottom
capacity
" capacity fuel
Wheels, driv. diam. outside tire
Wheels, div. diam. outside the
centres diam
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" otherscast steel
" engine truck, diam
" " Irind
kindwrought from disc
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" kindcast steel centre
" tender truck, diam
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" kindwrought iron disc

Railway Finance, Meetings, etc.

Bracebridge and Trading Lake Ry.—Following are the officers for the current year:—President, F. P. Warne; Vice-President, W. W. Kinsey; Managing Director, W. H. Brown; Solicitor, T. Johnson; Secretary-Treasurer, R. W. P. Perry. The meeting was adjourned to March 28, when F. C. Norris, a U.S. promoter, was expected to be present to discuss financial matters.

Canada Atlantic Ry.—The Dominion Parliament is being asked at its current session to pass an act authorizing the issue of debentures and other securities to the extent of £3,292,200, subject to the present outstanding bonds of the C. A. Ry., and of the Ottawa, Arnprior and Parry Sound Ry.

Canadian Northern Ry.—A prospectus has been issued in London, Eng., offering for subscription at 95, £1,923,287 of C. N. Ry. 3% debenture stock, redeemable in 1953.

Cumberland Ry. and Coal Co.—The report presented at the annual meeting held recently, showed that the output of coal was 505,814 tons, the largest in the history of the company. The directors for the current year are: Sir Geo. Drummond, E. McDougall, D. Morrice, J. R. Cowans, G. L. Cains, E. S. Clouston, W. J. Morrice, W. J. Crossen, H. R. Drummond.

Cape Breton Ry.—A reorganization of the company's affairs has been completed, the new company having a capital of \$1,000,000, and no bonded indebtedness. The bonds of the old company to the amount of \$550,000 have been exchanged for stock, and the contractors have accepted stock in payment of their claim of \$300,000. The line is again in operation.

Esquimalt and Nanaimo Ry.—The purchase made by the C.P.R. includes, in addition to the line of railway and its franchises, the shops at Wellington, B.C., and the floating equipment, the steamers Joan, City of Nanaimo, the tug Czar, and the transfer barge no. 1. The land grant of the E. and N. Ry. will be retained by the Dunsmuir estate. The bill authorizing the sale is before the Dominion Parliament, and the C.P.R. will doubtless take over the line at an early date,

Grand Trunk Ry.—The Dominion Parliament is being asked at its current session to pass an act authorizing the G.T.R. to acquire shares and securities of the Canada Atlantic Ry., and the Canada Atlantic Transit Co., in Canada, the Canada Atlantic Transit Co. in Minnesota, and of the Vermont and Province Line Ry. in Vermont; and also to authorize the company to guarantee principal and interest of bonds or other securities to be issued by the Canada Atlantic Ry. to the extent of £3,292,200.

Gulf Shore Ry.—Application will be made at the current session of the New Brunswick Legislature for an act authorizing the G. S. Ry. Co. to amalgamate with, or lease or sell its line to the Caraquet Ry. The line is operated by the Caraquet Ry., and is practically owned by the same interests.

Manitoba Southwestern Colonization By.—The Manitoba Government, in 1885, issued debentures to the value of \$899,846.66 to aid this company, taking as security 900,000 acres of the company's land grant. The company has paid \$853,643.20 of the debentures, and at the last session of the Manitoba Legislature an act was passed releasing the land grant to the company, except so much as would be sufficient security for the payment of the \$46,203.46 of debentures now outstanding.

Midland Ry. of Nova Scotia.—The Dominion Parliament is being asked to sanction the sale of this line to the Dominion Atlantic Ry., the negotiations for the sale having been concluded. The M. Ry. extends from Windsor, N.S., the present northerly terminus of the D. A. Ry., to Truro, N.S., 57.50 miles, and has power to construct a line from Truro to Northumberland Strait. It is laid with 60-lb. steel and at the date of the last official report had the following rolling stock: three locomotives, five first-class cars, three baggage, mail and express cars, nine cattle and box cars, and 32 platform cars, all of which were equipped with air brakes and automatic couplers. It has a paid-up capital of \$104,-300, and a bond issue of \$1,200,000, which had not been sold; and had received the following subsidies: Dominion Government, \$360,450.30; Nova Scotia, \$176,510.40; municipal, \$36,000. The total cost of the line and its equipment was reported to be \$1,598,548.68. For the year ended June 30, 1904, the gross earnings were \$65,314.92; net earnings, \$50,163.19, against \$57,155.49 gross and \$14,056.12 net for year ended June 30, 1903.

Nakusp and Slocan Ry.—In 1894 the B.C. Government guaranteed the interest upon \$647,072 of bonds of this line at the rate of 4% for 25 years, upon which it has paid \$293,776.58 in interest and expenses, of which \$26,776.58 was for the year ended June 30, 1904. The receipts for the year, \$9,429.66, being 40% of the gross receipts, paid over by the C.P.R., which operates the line. After making allowance for percentage of earnings and other receipts the Government has paid out \$56,397.30 to meet the interest charges.

Quebec Central Ry.—Subject to audit the directors have declared a dividend at the rate of 4% on the company's income bonds, payable April 17. The income bonds rank after payment of interest upon the whole of the fixed charges of the company's securities.

Shuswap and Okanagan Ry.—The statement of public accounts for British Columbia to June 30, 1904, shows that the interest on the bonds of the company was \$50,139.15, and the receipts were \$21,896.27 from the C.P.R., representing 40% of the gross earnings. The total bond issue is £256,800, upon which the B.C. Government guaranteed interest at the rate of 4% for 25 years, and the net cost to the province has been \$306,696.

Temiscouata Ry.—Gross earnings for Mar., \$13,249.02, against \$10,314.21 for Mar., 1904,

TORONTO BOLT AND FORGING CO.

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BOLTS AND NUTS

OF ALL KINDS, INCLUDING





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CANADA

Baldwin Locomotive Works



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LOCOMOTIVES

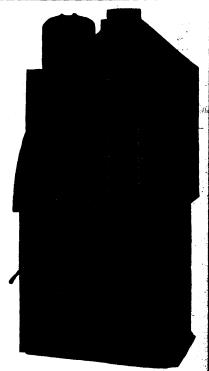
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During the months of MARCH, APRIL AND MAY the Wabash will make sweeping reductions in one way colonist rates from Canada to Texas, Old Mexico, California, Nevada, Oregon, Idaho, Montana, Arizona, Utah, Washington and British Columbia.

Also round trip tickets on sale daily at greatly reduced rates to the south and west. There is nothing more assuring to the traveller than his knowledge of the fact that he is travelling over the Wabash System, the great winter tourist route to the south and west. For full particulars address

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North-East Corner King and Yenge Street

ST. THOMAS,

Victoria and Sidney Ry.—The B.C. Govfument guaranteed the interest upon \$300,-000 of bonds to the extent of 2% a year for this railway. During the year ended June 30, 1904, the Government paid \$6,030 for interest and expenses, but there were no receipts. The total cost to the province of this many than the same than t this guarantee to the date above named has been \$64,605.

C.P.R. Earnings, Expenses, Etc.

Gross earnings, working expenses, net profits, in-

Ph. Earnings			Increase or
A. 41308 8-	Expenses.	Net Profits.	Decrease.
4.474	2,949, 181.81 \$	81.440.652.14	6131.125.02+
Fly Earnings. Aug. 4-398,833.95 \$ Sept. 4-474.237.64 Oct. 4-20,876.03	2,946,307.21	1,527,930-43	93,827.93+
No. 4742.06	2,952,068.47	1,268,807.56	66,541.75+
Nov 4-743.961.93 Bec 4-751.970.43	3,177,848.02	1,566,113.91	87,913.10-
Jan. 4.562,142.45	3,082,395.69	1,669,574.74	191,593.56+
Peb. 3,252,501.93	2,899,473.62	1,662,668.83	81,523.57+
Feb. 3,252,501.93 3,056,094.05	2,829.833.46	422,668.47	65,016.44+
\$32.45	2,753,922,73	302,171.32	219,630.51+
32			

33.460,618.41 \$23,591,031.01 \$9,869,857.40 \$761,345.68+ Approximate earnings for Mar., \$4,093,000 against \$3,480,000, for Mar., 1904.

DULUTH, SOUTH SHORE AND ATLANTIC RY.—Gross arings for Feb., \$188,422.40; net earnings, \$45,635.30 against \$171,758.43 gross and \$50,008.23 net for Feb., \$904. Net earnings for eight months ended Feb. 28, 2904. Approximate earnings for Mar., \$236,836 against \$235,043 for Mar., 1904.

MINERAL RANGE Ry.—Approximate earnings for Mar., 1904.

MINNEAPOLIS, ST. PAUL AND SAULT STE. MARIE 179,063. St. PAUL AND SAULT STE. MARIE 179,065. St. PAUL AND SAULT STE. MARIE 179,065. St. PAUL AND SAULT STE. MARIE 179,065. Against \$389,207,02 gross and \$103,056.15 to Feb., 1904. Net earnings for eight months endels and 1905. \$4,950.827,44 against \$2,411,707,82 for same 42,411,707,82 for same 43,411,707,82 for Same 44,74,106 for Mar., 1904.

Canadian Pacific Railway Land Sales

	-	WHY JULIA	iiway Lan	d Sales.
July	1904-05	cres	- Am	ount,
		1903-04	1904-05	1903-04
ሲጥ.	, 2	267,647.32 263,339.45	\$177.473.94 88,735.88	\$1,020,404.70
V.A.	30,135.84	00,441.12	73,642.96	268,757.99
lan.	33,392,84 33,196,59 34,500,41 27,503,56	15.950.07 22,563.95	104,843.47	236,611.59 107,365.21
ф.	34.500.41	30,146.00 116,840.78	142,583.40	125,676.00
- 44	27.503.56 15.906.61	14.729.69	141,750.50 116,278.76	386,649.88 73,428.94
	225,858.52		87,576.00	59,660.03
n.	00.52	804,651.44	\$1,045,146.61	\$3,550,084.15

Grand Trunk Ry. Earnings, Expenses, etc. The following statement of earnings, supplied from the Montreal office, includes the G.T. of Canada, the author Rys., and the Detroit, Grand Haven & Mil-

••••	1905. \$2.556,340 2,163,683 2,911,267	1,649,525 2,649,779	514.158	ecrease
	\$7,631,290	\$6,552,682	\$1,078,608	

GRAND TRUNK RY. CO. and are made out in aterling:

2100	- 60.			
Net person	1905. 8	1904. I £260,906 285,700	ncrease. I £89,700	ecr ea se.
Working receipt	from Jan 1 to 1905. 8762,600 enses 620,700	1904. I	ncrease. I	ecr e ase)
Net -	enses 620,700	£616,200	£146,400	

Net Profit	020,700	602,700	18,000	
Revenue T	E141,900	£13,500 £	Et 28,400	
Revenue for Feb	RUNK W	ESTERN	RY. C	0.
Working Poceipts	1905.	1904. Ir	Cresse	Decrease
Gross receipts Working expenses Met Profit Aggregate from Gross receipts	70,400	£62,200 68,900	£13,000	••••
Aggregate from	£ 4,800(1	D)£ 6,700	£11,500	
Aggregate from Gross receipts Werking expenses	Jan, 1 to	tona I		Decrees
Not expenses	£162,200	£145,700		
Net Profit,	£14,400	145,900	1,900	
*****	,,,,	~ ~ 200	æ14,000	••••

DETROIT, GRAND HAVEN & MILWAUKEE RY, CO. Revenue for Feb.:

	1905.	1904.	Increa se .	Decrease,
Grass receipts £				
Working expenses	17,200	16,800	400	
Net profit	£ 1,500	D)£1,000	£2,500	
Ammanata from I		Fab .e.		

Aggregate from Ian. 1 to Feb. 28:

	1905.			Decrease.
Gross receipts	£ 44,810			
Working expense	8 35,200	33,400	1,800	• • • •

Net profit... £ 9,600 £ 6,500 £3,110 TRAFFIC RECEIPTS OF THE SYSTEM.

Aggregate from Jan. 1 to Mar. 31: 1905. 1904. I Grand Trunk. £1,227,007 £1,047,854 G. T. Western 268,339 244,087 D. G. H. & M. 72,669 54,500 £179,213 D. G. H. & M.

Total £1,568,075 £1,346,441 £221,634

Canadian Northern Ry. Earnings, etc.

Gross earnings for Feb., \$214,800; working expenses, \$154,600; net earnings \$60,200 against \$175,1100 gross; \$123,300 working expenses, and \$51,800 net for Feb., 1904. Gross earnings for eight months ended Feb. 28, 25,77,500; net earnings \$871,600 against \$2,114,000 gross, and \$725,600 net for same period 1903-04. Mileage in operation 1,602 against 1,350 in Feb., 1904.

Approximate earnings for Mar., \$273,100 against \$201,-900 for Mar., 1904.

Railway Taxation in Ontario.

During the session of 1903 the Ontario Legislation appointed a special committee for the purpose of considering and reporting upon the question of the taxation of railways. The commission, consisting of H. J. Pettypiece, then M.L.A.; Professor Shortt, and Judge Bell, held a number of sittings at which representatives of the railways presented their views on the subject of taxation; and the commissioners visited a number of places in the U.S. in order to gather information as to the principles of taxation adopted in the different states. The commission presented a lengthy report to the Legislature April 7. The present system of taxation levies a uniform rate of \$30 a mile on all roads in excess of 150 miles in length in the settled portions of the province, and \$15 a mile on the shorter In lieu of this the commission suggests lines. that a tax be levied on the gross earnings of the different railways in the province, and recommends a means for distributing the tax between the province and the various municipalities. "On the basis of gross earnings," the report sets forth, "the province would be able to determine the whole of the taxes which the railways and similar corporations should pay within its borders. The portion to be assessed on real estate would be determined locally as at present. Then by deducting from the total provincial taxes of each corporation the portion to be paid in the various municipalities the difference would represent the share of the provincial treasury." While the rate of 3% on gross earnings was suggested, the commission said: "It is, of course, a matter which can be adjusted from time to time to suit the increasing prosperity of the country and of the corporations." As a basis for determining the porations." gross rental, the commission said: "The best opinion would favor some such arrangement as receipts from all traffic between terminals in Ontario to be assigned entirely in Ontario: receipts from an Ontario terminal and one outside in the proportion of the Ontario mileage to the whole haul; receipts from traffic passing through the province to be assigned to Ontario mileage to the whole In which case some allowances might be made for terminal charges." The most effective method of administering the proposed system of corporate taxation, the commission pointed out, would be by the appointment of a Provincial Board of Taxation, to consist of three members, part of whose time only would be required, with a

permanent secretary and assistant to attend to the clerical details.

The report also sets forth that: "Inasmuch as the business of telegraph, express and sleeping car companies is so intimately associated with railway corporations, especially in Canada, and inasmuch as electrical railways are not only furnishing urban service but are extending throughout the country in competition with the regular steam roads, and are likely to be definitely extended in the future, it would be advisable to treat these corporations and doubtless several others upon the same basis as the railways, and to apply to them a tax on gross receipts with rates adjusted to their ability to pay."

The Canadian Westinghouse Co. has issued circulars on its Westinghouse switchboard indicating instruments, and its Westinghouse bi-polar motors, type B, for direct current circuits.

The Canadian Northern Ry. has opened its main line to the Elbow of the North Saskatchewan River, and freight and passenger trains are being run through from Port Arthur, Ont.

The Stovel Co., Winnipeg, has issued an excellent indexed vest pocket map of Manitoba which they say is the first map made in Canada by the wax process. It is well executed, and will be found convenient.

The Ontario Government has no intention of introducing a railway taxation bill during the present session. Taxation levied on railways will be, as a rule, shifted to their patrons, and the companies will become part of the taxing machinery. Multiplying taxations is the most popular economic folly.-Toronto Globe.

The bill to compel railways to reduce their fares to 2 cents a mile when the receipts amount to \$3,000 a mile, to 21 cents a mile when the receipts are between \$2,000 and \$3,000 a mile, and restricting the fare to 3 cents a mile when the receipts are under \$2,-000 a mile, has been withdrawn from the House of Commons by its promoter, W. F. Maclean, M.P.

The G.T.R. Literary and Scientific Institute. Montreal, has completed its 47th year. It has 612 members on its roll, and the attendance at classes during 1904 was 4,108, while 8,000 volumes were issued from the The library contains 7,593 volumes, library. and there are regularly received in the reading room 87 papers and magazines, many of them being of a technical character.

The Canadian Co-operative Co. has been incorporated under the Dominion Companies' Act, with a capital of \$20,000 and offices at Winnipeg, Man., to carry on buying and selling grain, constructing elevators, operating steam and other vessels, wharves, and purchasing and operating locomotives, cars and other rolling stock as may be necessary for the conduct of the business. C. H. Forester, J. McVicar, C. Brown, and G. A. Elliott, of Winnipeg, are the provisional directors.

The Robb-Mumford Boiler Co., of Amherst, N.S., has purchased the Charles River Iron Works, owned by Edward Kendall & Sons, of Cambridgeport, Mass., and will remove the business to South Framingham, Mass., where office quarters and a main shop 150 by 300 ft. are now being built on the line of the Bostt. are now being built on the line of the Boston & Albany Rd. The officers of the company will be: President, D. W. Robb; Secretary and Treasurer, G. W. Cole; General Manager, F. H. Keyes, and Superintendent, J. W. Wilde. The Kendalls will retire from business and the new company will continue business, and the new company will continue the manufacture of tubular boilers, in addition making a specialty of the Robb-Mum-ford internally fired boiler. The Robb-Mum-ford Boiler Co. is controlled by the same interests as the Robb Engineering Co. of

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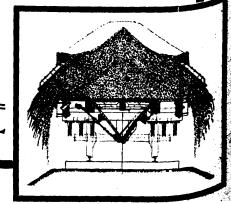
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Pintsch Gas Statistics.

The following figures show the application of Pintsch gas for lighting railway trains, buoys and beacons throughout the world, from which it will be seen there are 134,855 cars, 6,191 locomotives, 1,516 buoys and beacons, equipped with this system of lighting, and 364 special gas works fitted up to manufacture and compress the gas:

Germany Denmark	Cars	Loco- motives.	Gas Works	Buoys & Beacons
Damany.				
penmark.	46,200	5,930	70	140
Denmark Bugland Piance	45		3	21
tance .	20,500		80	280
France Holland	8,000		20	250
Holiand.	3,800	5	12	100
	1,570	•	- 5	20
Italy Switzerland Austria Russia	410	2	ĭ	
Russia Sweden	5,525	2	15	5
	4,000	170	22	30
Service	800			
		53	6	5
Turkey Bulgaria Egypt	220		1	
Rgypt Canada	120			
	117			
Remada	200		4	80
A azil	600		4	243
Brazil Argentine	1,400	31	2	45
Argentine Chili	1,200		13	10
Chili Australia	50		2	
Australia India United States.	3,000		10	40
nited Sec.	11,600		19	
Japan States.	25,200	• • • •	71	208
Japan States.	150		′ 2	35
China Mexico			1	25
Mexico	***	• • • •	1	25
Total	150	• • • •	1	
Total.	124.05			
	134,855	6,191	364	1,516

The Grand Trunk Pacific Railway.

The G.T. Pacific Ry. directorate, it would appear, is to be divided into two, the British forming members, who represent the G.T.R., forming a committee in England for the purpose of looking of the project, and looking after the financing of the project, and the County the financing of the project, and the Canadian members of the board dealing with construction matters, etc. The duestion of the early starting of construction the announce pretty definitely settled, from the announce pretty definitely settled, from the announcement made by the President of the G.T.R. at the half-yearly meeting in beginning would be made with construction branch William, Ont., on the Lake Superior of the main line at Winninge, in July. At amouncement made by the President of the main line at Winnipeg, in July. At Fort William, where the Mission Island property has been all purposes, erty has been secured for terminal purposes, an arrangement secured for terminal purposes, whereby the an arrangement has been made whereby the town will give a bonus of \$250,000. Legis-some opposition is being asked for this, and Some opposition is being asked for this, and by Port Arthur, Ont., which claims not to been the company. Nothing decreased fairly by the company. Nothing definite has been announced respecting the Winnipeg terminals, but it is stated that there is a strong probability of an arminement being the Canadian rangement being made with the Canadian terminals. Ye for the construction of joint terminals. by which Edmonton, Alta., will give a sub-adivisional headanne Trace C.T. Pacific divisional headquarters. The G.T. Pacific of the Pacific has acquired the charter of the Pacific Northern and Omineca Ry., and the charter state and property of the Bulkley and Telkbay Valley Coar Co. The P.N. and O. Ry. has valley Coar Co. The P.N. and C. A. Kitamaat Inlet to construct a railway from kitanaat Inlet, by the most convenient route to Hazelton on the Skeena River, thence to Testion on the Skeena River, thence to the north-the nost feasible route via the Skeena, Babton Driftwood, Omineca and Finlay Rivers case. River Page thence easterly to the to Pointwood, Omineca and Finlay Kivense River Pass, thence easterly to the ton boundary of B.C., thence to Edmonstra Alta The Company's lands are about 17,000 acres in extent, and lie in the country to be opened up by the P.N. and O.

1ts chart period under the B.C. Lis charter was granted under the B.C. to the capital being to the capit

ing the building and operation of steam and other vessels, the construction and operation of telegraph and telephone lines, and similar allied businesses, and including such other businesses as paper makers, printers, publishers and newspaper proprietors.

The Division Engineers in charge of the G.T. Pacific surveys are: G. A. Knowlton, North Bay, Ont.; B. B. Kelliher, Winnipeg, Man.; and C. C. Van Arsdol, Edmonton, Alta. (April, pg. 153).

C.P.R. Betterments, Construction, Etc.

Bridge Renewals.—The Board of Railway Commissioners has approved the plans, etc., for the renewal of a large number of bridges at various points on each division.

Winnipeg Station.—The transfer of the office staffs into their offices in the new buildings was reported to have been completed by the middle of April. (April, pg. 151.)

Extension to Icelandic River.—It has been arranged to construct an extension of the Teulon or Winnipeg Beach branch to Icelandic River, about 30 miles; and W. Whyte, Second Vice-President, stated, Mar. 31, that about 16 miles would be completed this year. The extension will be completed in 1906.

Reston-Wolseley Line.—A contract has been let to J. D. McArthur, Winnipeg, for the construction of a line from Reston, Man., on the Arcola branch line, which now extends to Regina, Assa., to Wolseley, Assa., at mileage 1,728 on the transcontinental line. (April, pg. 151.)

Branch at Blenfalt.—Authority has been given by the Railway Commissioners for the construction of a branch line from a point on the spur line already constructed, to section 19, tp. 2, range 6, west of the 2nd principal meridian. The extension will be 4.32 miles, and the length of the whole branch, 4.84 miles. (Nov., 1904, pg. 401.)

Victoria Hotel.—The contract for the construction of the hotel at Victoria, B.C., has been let to A. E. and R. Barrett, of Vancouver. the contract covers the superstructure only, the foundations having been put in under a sep-arate contract. The price is said to be about \$500,000. Work was expected to be started by the end of April. The main floor will be 14 ft. above the level of the street and on it will be situated the offices, dining hall, 38 by 77 ft.; drawing room, 30 by 50 ft.; smoking room, 20 by 36 ft.; and palm room, 68 by 46 ft. The roof of the palm garden will be wholly of glass. The reception floor will have wholly of glass. The reception floor will have two approaches, the main entrance being at the southern end of the building. ground floor there will be the bar, kitchen and servants' quarters. The kitchen, 100 by 44 ft., will project beyond the main portion of the building toward Humboldt St. On a level with Government St. will be situated the grill room, fitted in old German style; billiard and sample rooms. Six stories of the hotel will be devoted to guest rooms, accommodation being arranged at present for over too hundred.

G.T.R. Betterments, Construction, Etc.

Kingston.—Surveys have been made with a view of bringing about the reduction of the grade between Kingston and Kingston Mills, Ont. In connection with this proposed work, a suggestion has been made that the city should offer a site for a station on condition that the main line should be taken into the city.

Bridge at Speed River.—The Railway Commissioners have approved plans for the reconstruction of the superstructure of the bridge over the Speed River at Guelph.

Sarnia Tunnel Electrification.—One of thee features which has to be taken into account

in arranging plans for the adoption of electricity to haul the trains through the Sarnia Tunnel is the 2% grade each way. The proposition under consideration is to use 90 ton electric locomotives. F. Arnold of Chicago is the engineer who has been employed by the company in connection with the matter.

Track Elevation at Chicago.—The G.T.R. will this year commence track elevation at its connection with the Chicago and Western Indiana Rd., at Wallace and 49th streets, Chicago, Ill., and will continue the work westerly for about 2½ miles. The work will consist principally of earth embankments between streets, with bridges over 23 streets. The bridges will be of concrete, with steel superstructure. It is expected to have this work completed in 1906, at the same time as the Chicago and Western Indiana Rd., of which the G.T,R. is one of the owners, will have completed its track elevation.

ELECTRIC RAILWAYS.

Projects, Construction and Betterments.

Canada-Middlesex Ry.—Owing to the opposition of Brantford and St. Catharines interests the bill for the incorporation of this railway was withdrawn by its promoters from further consideration by the Railway Committee of the House of Commons. (April, pg. 161.)

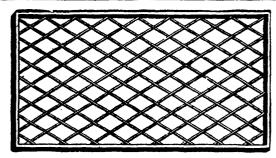
Edmonton Street By.—We are informed that it is expected to complete about five miles of line this year in Edmonton and Strathcona, Alta. The connection with the latter place depends entirely on the making of arrangements for crossing the bridge. The contract for the erection of the power house has been let to C. May, of Edmonton. The electrical equipment will be Westinghouse, and the steam equipment will consist of two cross tandem corliss engines and boilers. The contract calls for the opening of the line by Sept. It is possible that a further eight miles will be built, which will include an extension to St. Albert. J. H. Campbell is engineer in charge of construction. (April, pg. 161.)

Hamilton, Ancaster and Brantford Ry.—The agreement between the company and the Hamilton City Council provides for the construction of the line from Hamilton to Brantford, Ont., by Nov. 30, 1906, and for the charging of a mileage of \$300 a year until the line from Galt to Guelph is constructed. The company is said to have acquired practically the whole of the right of way required, and the promoters state that construction will be started shortly. (April, pg. 161.)

Niagara, St. Catharines and Toronto Ry. When the matter of the extension of this company's line to Toronto came before the Railway Committee of the House of Commons, April 6, there was considerable discussion as to the proposed crossing of Burlington Beach. It was decided to take up the consideration of the Toronto and Hamilton Ry. bill, which proposes to carry its line across the beach also, at the same time. A num-ber of the same people are financially inter-ested in both projects. After a lot of discussion it was decided that an amendment should be inserted in the bills of both companies to the effect that the same right of way across the beach should be used by both companies, and that its location shall be subject to the approval of the Railway Commission. It was stated that the location of the track would be east of the G.T.R. tracks, that is on the lake side of the beach; and that the Minister of Railways and the Chief Engineer of the Board of Railway Commissioners had approved of the same. pg. 161.)

Quebec Ry., Light and Power Co.—A proposal to construct a dam at the foot of the

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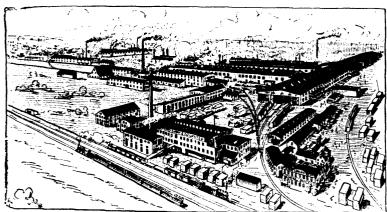
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For purchase of Provincial lands apply at the Provincial Land Office in the Parliament Build-

For C.P.R. or C.N.R. lands apply at the land offices of said railway companies.

For lands owned by private individuals apply to the various real estate agents in the city.

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natural steps on the Montmorency River, for the purpose of increasing the company's water power, and its storage area, has been approved. The dam will be 90 ft. in height, approved. The dam will be 90 ft. in negar-, 12 ft. wide at the top, and 65 ft. at the bot-

8t, Catharines to Port Dover.—Application is being made at the current session of the Ontario Legislature for an act incorporating a company with this title to construct an electric railway from St. Catharines to Port Dover, via Dunnville, Ont. The promoters are:—W. J. Aikens, W. F. Haskins, Jas. Bolton, Dunnville, Ont.; J. S. Hamilton, W. G. Elliott, Brantford, Ont.; and N. B. Gash, Toronto

Southwestern Traction Co.—The route which the company's cars will take over the lines of the corporation electric railway in St. Thomas, Ont., will be as near as possible through 11 miles of through the centre of the city, 11 miles of track being used. Connection will be made with the city lines near the Wabash-G.T.R. bridge bridge, and the cars will pass all the railway stations. Arrangements have been made with the Yarmouth township council for a to be way over the roads from St. Thomas to Port Stanley. The company has secured a private right of way for a portion of the distance right of way for a private right of way for a portion of the distance right of way for a policion of distance, so that it may not be necessary to use all the roadway granted. (April, pg. 161.)

Stratford to Grand Bend.—Application will be made at the current session of the Ontario Legislature for an act to incorporate a company to construct an electric railway from Stratford to Grand Bend, Ont.

Toronto and Hamilton Ry.—Tenders for Toronto and Hamilton Ry.—Lengers to the grading, culverts, masonry, bridges, and other work required for the construction of this line. this line from Toronto to Niagara Falls, Ont., a distance of 80 miles, were recently invited to he are of the to be sent in by May 1. The route of the proposed line starts near the intersection of Toronto Road and the C.P.R. track from Oavenport Road and the C.P.R. track from Toronto to Toronto Junction, and runs westerly on the north side of and parallel Toronto-North Bay line near Davenport Station; thence under the G.T.R. Toronto-Sarnia and the C.P.R. Toronto-Owen Sound line, line and the C.P.R. Toronto-Owen Sound line, Lambton Park, to the Humber River, near which the C.P.R. Toronto-Windsor line will be crossed C.P.R. Toronto-Windsor listington will be parallel to the C.P.R., and from Islington it will be parallel to the C.P.R. ton it will run in practically a straight line to Burlington Beach, crossing the Humber, Minico, Beach, crossing the Minico, Etobicoke, Port Credit, Oakville and Bronte ravines. From Burlington the line will likely be of the G.T.R. ikely be carried on the lake side of the G.T.R. line across the beach, thence in a straight ine to the base of the Niagara escarpment at Vineland the slope of the escarpment, making the platean at the escarpment of the escarpment were wolverton plateau at Dr. Alway's land, near Wolverton thence a straight the west end of Grimsby, thence a straight line will be followed to the Rectrical Development Co.'s power house in Cheen Victoria Park, Niagara Falls. The Company of the Park, Niagara Falls. aorth and south of this line, but their routes have not have not yet been fully determined upon.

The maximum gradient is 15 ft. to the mile, ocept for the section between the east con-of Burlington Beach, and the summit of the cept for the section between the east end ecarpment, where the maximum gradient stees of compensated. The total descriptions of the compensated of the stees of the compensated of the compensate of the com stees of curvature on the 80 miles of line is the mountain side does not exceed 4%. than those of any existing line between works will be over the average of lines in Ontario, owing to the class of work contemplated and to the number of large bridges

required and to the number of large programmed at the various ravines mentioned,

together with lift bridges at the crossing of the canal at Burlington Beach, and at the crossing of the Welland canal at Thorold. In addition to this, owing to the physical character of the country and to the rapidity of the run off of the spring and torrential waters following heavy rains, the structures required for the passage of such occasional floods have to be larger than the average, and consequently more expensive. It is the intention of the company to have the work carried out in a first-class manner, with 80 lb. steel rails in main track supported by adequate fastenings, and the final ballasting will consist of broken stones, hence the dust feature, so objectionable to travellers on roads not so ballasted, will be eliminated.

The country to be passed through is thoroughly representative of old Ontario, with its diversified agricultural and horticultural interests, and stock farming. The "short hills" and ravines of Pelham present varied and interesting features, as they have been created by the denudation of the gravel and earthly deposits caused by the elements

through a great many years.

We are advised that it is perhaps too soon to make reference to other works contemplated by the Power Co., in connection with he railway and its development, but it will be sufficient to state that if the plans at present under consideration are carried out in their entirety, the material prosperity of the district will be beneficially affected.

The works are under the supervision of W. T. Jennings, M.I.C.E., as Chief and Consulting Engineer, with H. A. Bruce, C.E. as Assistant Chief Engineer, in charge of the

railway work. (April, pg. 161.)
See also Niagara, St. Catharines and Toronto Rv.

West Central Ry.—Application is being made at the current session of the Ontario Legislature for an act incorporating a company with this title to construct an electric railway from London eastwards to Guelph, Ont., passing through Embro, New Hamburg, Berlin, Preston, and Hespeler, with branches to Woodstock and Stratford, as well as others not specifically mentioned, not exceeding 12 miles in length. The promoters are A. T. Drummonds, H. M. Mowat, K.C., J. S. Davidson, Toronto; A. E. Welch, London, Ont.; W. D. Harris, Ottawa, and A. Hickling, of London, Eng. Several of these are interested in the Southwestern Traction Co.

Winnipeg Street Ry .- The extensions which the directors have authorized to be made during the current year are:-Extension of track from Maryland bridge to the new suburban park on the south side of the Assini-boine River, about 2 miles; extension of the tracks on Logan Ave., from Neva St. for a mile westerly; and the construction of two miles of track in the municipalty of Kildonan. A new sub-station is to be constructed and electrical machinery installed for the water power terminal. It has also been decided to install three 500 h.p. boilers, and one 1,500 h.p. cross compound engine, direct connected to an 850 k.w. alternating generator to the power house.

Electric Ry. Finance, Meetings, Etc.

British Columbia Electric Ry.—Railway earnings for Feb.:—Vancouver, \$16,877; Victoria, \$9,887; Westminster, \$9,383; total, \$36,147, against \$31,463 for Feb., 1904; total pso,147, against \$51,403 for Feb., 1904; total railway and lighting earnings, \$73,038, against \$65,445. Working expenses, \$41,295; renewal funds, \$6,695; net income, \$25,048, against \$38,903; renewal funds, \$5,988; net income, \$20,554 for Feb., 1905. Net earnings for seven months ended Feb. 28, \$616,-987, against \$552,984 for same period, 1903-

Halifax Electric Tramway Co.-Railway earnings for Mar., \$9,321.56, against \$11,151.-74 for Feb. 1904

The Nova Scotia Legislature at its current session passed an act amending in several particulars the company's act of incorporation, and the several acts amending the same.

The company is applying to the city council with a view to having a rearrangement of its assessment. The company asserts that it is being taxed at a much higher rate than any other electric railway or company owning similar franchises in Canada. The property assessed was valued at \$300,900 for 1904, and at \$426,000 for 1905, and the taxes for 1905 are \$15,009.38, against \$12,780.40 for

Kingston, Portsmouth and Cataraqui Ry.-The Kingston City Council engaged a special accountant to examine the company's books with a view of considering the question of the city taking over the line. The r port presented April 4, showed that in addition to the present outstanding bond issue of \$200, there were outstanding liabilities of \$80,000. No interest had been paid on the bonds. The total capital invested was stated to be \$215,000. The council decided not to grant any concessions to the company pending the arrangement of its various entanglements. It is expected that the bondholders will arrange to have the line sold, as the council, at its last meeting, declined to purchase the line.

Levis County Ry.—A. E. Scott, who was formerly Secretary of the company, has been appointed sequestrator. It is understood that -. Morse will be retained as Manager. Press reports state that there are a number of questions connected with the finances of the company which will have to come before the courts for adjustment.

Montreal Street Ry.—Passenger earnings for Mar., \$206,725.81; total earnings \$209,-231.38, against \$183,689.49, and \$184,857.95 for Mar., 1904. Operating expenses, \$159,-004.36; fixed charges, \$22,645.77; surplus, \$27,581.25, against \$148,075.81, \$19,809.32 and \$16,972.82, respectively, for Mar., 1904. Net earnings for six months ended Mar. 31, \$375,562.61; fixed charges, \$118,451.08, against \$356,345.89 and \$105,597.77, respectively, for same period 1903-04.

Toronto By.—Car earnings for Mar., \$207,-013.73, against \$183,643.18, making for three months ended Mar. 28, \$589,360.79, against \$532,907.43 for same period 1904.

Electric Railway Notes.

The Winnipeg Street Ry. is adding 14 new double truck closed motor cars to its rolling stock.

The London, Ont., City Council is considering a proposal to call upon the Street Ry. Co. to run all-night cars on its lines.

The Edmonton Street Ry. has purchased three motor cars in St. Louis, Mo., and will probably require further equipment at an early date.

A Vancouver dispatch says that J. Buntzen, General Manager B.C. Electric Ry. Co., has been appointed Managing Director with headquarters in London, Eng., and that he will spend three months each year in B.C., also that R. H. Sperling, General Superintendent, will succeed him as General Manager.

The equipment of the Lulu Island Ry., when it is taken over from the C.P.R. by the British Columbia Electric Ry. in July, will be operated as an electric railway by motor We are informed that an electric locomotive, which it was originally stated might be adopted for freight traffic, will not be required.

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The Commissioners of the Queen Victoria Park, Niagara Falls, in their 19th annual re-Port state that they receive \$10,000 a year as rental for the electric railway through the park, and that the total amount received on this account to Dec. 31, 1904, has been \$132,-The Commissioners have control of 787 acres of park lands, of which 145 acres had been purchased, 20 acres being for the right of way of the electric railways. This right of way of the electric railways. 20 acres, together with the use of sufficient water from the river to furnish power, was granted to the railway company at a rental of \$10,000 a year.

Grain Elevator Notes.

The construction of the G.T.R. grain elevator at Windmill Point, Montreal, is being progressed with rapidly, and it is expected line of the tompleted and ready for the handling of the 1905 crop.

The C.P.R. elevators at Owen Sound are being repaired and strengthened. The work includes putting new stayrods in the bins, putting bracing timbers in the marine leg, and re-reactive. and re-roofing elevator B.

At the recent annual meeting of the Godof 6%, together with a bonus of 3%, was declared on the earnings for 1904. The redeclared on the earnings for 1904. The retiring direction re-elected. J. I. A. Hunt, President, and the other officers were

J. J. Daly, President Collingwood Elevator Co, on returning to Collingwood, Ont., Apr. 8, stated that all arrangements, financial and therwise, had been made for the construction of the proceed new elevator, that a contion of the proposed new elevator, that a contract had been placed with a Buffalo, N.Y. firm, and that construction would be started in building the elevator, which will be equipped with the most modern machinery.

SHIPPING MATTERS.

River and Lake Officers for 1905.

The following appointments have been and the following appointments have been made by navigation companies engaging trades for 100s in the St. Lawrence River and Great Lakes trades for 1905, in addition to those given in our April issue. In the first column is given our April issue. In the first column is given the name of the vessel, in the second that of the cantain the captain and in the third that of the chief

DESERONT	O NAVIGATION CO.,	DESERONTO, ONT.
Arctic	W. J. Daly	T. Timlin
Armenia	A. Barnhardt	M. Toppings
Deseronto	M. Palmateer	S. Larue
Ella Ross	D. B. Christie	M. J. McFaul
	H. Burnip	W. Stanhope
Recruit	D. McVicker	N. Kellar
Reliance	J. Dougherty	J. Toppings
Rescue	T. Lynch	O. Flood
Resolute	J. Gowan	J. Harrison
Valeria	J. Dix	M. Toppings
GREAT LAKES	AND ST. LAWREN	ICE TRANSPORTATIO
A. D. Davidso	on H. J. Hagan	W. N. Newcomb
A. M. Marsha	ll J. Duncanson	G. McMonagle
Geo. C. Howe		J. H. Norton
	W. D. Waite	
Jno. Lambert	R. Gleason	W. T. Riley
	A. Craigie	J. Bustead
John Sharples	J. F. Gates	
J. S. Keefe	D. Barry	G. Winters
	D. A. Keah	G. E. Willard
C M Danana		

HAMILTON	STEAMBOAT C	O., HAMILTON, ONT.	
Modjeska Macassa	P. Walsh R. Cooney	Wm. Noonan O. Flumerfelt	
	AND BAY OF	QUINTE STEAMBOAT	co.

D. A. Keah J. W. Goodridge

J. W. Drysdale

Aletha J. A. Roys W. Bloomfield D. McSorley O. J. Hickey North King J. Jarrell

S. N. Parent

MERCHANTS' TRANSPORTATION CO., MONTREAL. A. Montpetit H. Vaughn Cuba E Hamelin Melbourne J. Belanger

MONTREAL AND LAKE ERIE STEAMSHIP CO., TORONTO. City of Montreal A. Lefebyre F. Hamelin

Advance
Bothnia J. Doyle
D. G. Thompson Jos. Murray
Emerson Jas. Murray
Fairmount P. C. Telfer
Rosemount J. Wood
A. Milligan MONTREAL TRANSPORTATION CO., KINGSTON, ONT. W. Spencer
G. Hazlett
G. Boyd
G. Henderson
W. Newbold
R. Taylor
K. Richardson

NIAGARA, ST. CATHARINES AND TORONTO NAVIGATION CO., ST. CATHARINES, ONT.

Garden City D. Enright N. J. Wright J. H. Brown T. Crossley Lakeside

ONTARIO AND QUEBEC NAVIGATION CO., PICTON, ONT. G. Geron
J. S. Milne
L. Smith
C. A. Moy Aberdeen M. Hicks Alexandria E. B. Smith Lloyd S. Porter M. Heffernan C. A. McWilliams P. Davis Water Lily W. Dulmage

RIDEAU LAKES NAVIGATION CO., KINGSTON, ONT. Rideau King E. Fleming Rideau Queen W. Fleming T. Simmons Jos. Noonan

ST. LAWRENCE RIVER STEAMBOAT CO. America Jessie Bain Perrepont J. F. Allen Not appointed J. Gillie

THOUSAND ISLANDS STEAMBOAT CO., CAPE VINCENT, N.Y.

Islander C. H. Kendall
New Island Wanderer W. C. Hudson N. Larson
Ramona J. Bertrand L. Nosworth
St. Lawrence M. D. Estes B. Farrell L. Nosworthy B. Farrell

TURBINE STEAMSHIP CO., HAMILTON, ONT. A. White Turbinia B. W. Bougard

RICHBLIBU AND ONTARIO NAVIGATION CO., MONTREAL. C. Mongeau
J. McGrath
A. Robillard
J. E. Brossard
C. J. Hinchley F. Lacroix W. S. Parker E. Dennis Beaupre Belleville Berthier Boucherville Brockville Chicoutimi A. Crepeau Jos. Conlin G. Gendron C. Gendron A. Gendron B. Pintal Cornwall Fire Fly Hamilton F. Crepeau
J. P. Stephenson
J. Gouin
H. Esford
P. McLean
H. Manderville
F. H. Lafrance
A. Fortin
D. Mills
A. Dunlop
L. O. Boucher
C. Gouin
J. Dugal J. St. Michel A. R. Milne C. Hamel Hosanna Kingston Laprairie Longueuil Montreal Geo. Gendron Geo. Gendron
N. Beaudoin
A. Desmartigny
G. Gendron
— Guertin
J. Hamelin
M. Latulilipe
J. Matte
E. Beaucage Murray Ray Picton Prescott Quebec St. Irenee Tadousac Three Rivers Terrebonne Toronto C. Laviolette E. A. Booth, Toronto Varennes E. A. Booth, Jr. J. Foubert W. A. Black

It is expected that the arrangement for a steamship service on the Atlantic Ocean, be-tween Canada and Mexico, will shortly be arranged for, the Mexican Government having practically agreed that the steamers may call at Cuban ports en route. The contract will probably be arranged with the Elder-The contract Dempster Co.

The steamboat engineers of the Pacific coast are petitioning the Dominion Parliament to amend the Steamboat Inspection Act so that aliens shall be required to reside in Canada three years before being granted engineers' certificates. At present U. S. engineers can obtain positions on Canadian vessels immediately on passing the necessary examination, whilst Canadian engineers going to reside in the U.S. have to wait three years before they can qualify.

The Dominion Parliament has voted \$55,000, in addition to \$30,000 voted in 1904, for the construction of a new steamer for the quarantine station at Grosse Isle, Que. The steamer is being built by the Bertram Engine Co., Toronto, the contract price being \$83,000. According to information given in the House of Commons tenders were asked from four or five shipbuilders in Canada, and two in Scotand. The Polson Iron Works, Toronto, and the Collingwood Shipbuilding Co., each bid \$110,000; the Bertram Engine Works, Toronto, \$83,000, and the Scotch firms \$73,000 and \$67,000 respectively. In accepting a tender it was thought it would be fair to add 25% to the Scotch tenders to account for duty which the Canadian builders said they would have to pay on the material. would make the accepted tender the lowest.

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treal, Quebec and Three Rivers, in Quebec province: Toronto and Belleville in Ontario; and North Sydney and Pictou, in Nova Scotia. The number of members and the method of their election differs in each case, and only the members of the boards at Montreal and Quebec are remunerated. The number of members and method of election are: Montreal—six members, appointed by the Government; the Mayor ex-officio, and one each appointed by the Board of Trade, Corn Exchange Association, Chamber of Commerce and the shipping interests. Quebec—five members appointed by the Government, one each by the Board of Trade, the Levis Board of Trade and two by the shipping interests; of Trade, and two by the shipping interests; the chairman of the Corporation of Pilots being a specific form. being an ex-officio member in respect of pilotage matters. Toronto—two members appointed by the city council, and two by the Board of Trade, these four to elect a fifth. Belleville—the town council passes by-laws
respecting the management of the harbor.
Three Districtions the management of the harbor. Three Rivers—three members appointed by the Government; the Mayor and the President of the Board of Trade for the time being. North Sydney and Pictou—three members appointed by the Government.

Inspection of Steamships.

The Secretary of Commerce and Labor at 25 to discontinue the collection of inspection fees from Commerce and Labor at 25 to discontinue the collection of inspection fees from Commerce and from Commerce and from the collection of fees from Canadian vessels plying to and from

United States ports. In pursuance of the promise which the Minister of Marine made to the deputation from the from the Dominion Marine Association which waited Dominion Marine Association which waited on him in Ottawa Mar. 23, he took up with at him in Ottawa Mar. 24, he took up with the Secretary of Commerce and Labor for the rr. for the United States the question of reciprocal steamboat inspection between Canada and the Tr and the U.S., and asked 1st, whether if Canada war. ada were to grant an exemption to U.S. as is necessary all inspection other than such as is necessary to determine that a vessel's condition lary to determine that a vessel's condition is in accordance with the current certificate, the U.S. would on its part issue an order granting a similar exemption to orary arranges; and 2nd, whether a temporary arranges; orary arrangement could be arrived at covering only present Canadian equipment in Case the Present Canadian equipment in case the permanent arrangement desired was the permanent arrangement desired was the present season of navigation. It is under present season of navigation. It is an and that the Secretary of Commerce diplomatic has replied through the usual diplomatic channel, answering the first question in the tion in the affirmative and the second in the affirmative and the second in the being based on negative, the negative reply being based on the Rround the negative reply being based on the Rround the ground that the exemption which can the entire entire extension that the exemption which can the entire extension that the u.S. statute must cover the divided, the entire subject, and cannot be divided, and remarking that the Department of Comary steps for complete examption, and that this can be decomplete exemption, and that this can be done just as promptly and readily would be the just as promptly and partial as would be the case in making any partial possible. This question has already been ing manner. As soon as a given country ing manufactures in the follow-ing manner. As soon as a given country manufacture in the follow-to, the Secretary of Commerce and Labor, inc. I will be a supported in the secretary of Commerce and Labor, inc. I will be a supported in the secretary of Commerce and Labor, inc. I will be supported in the secretary of Commerce and Labor, inc. I will be supported in the secretary of the secretary on the Secretary of Commerce and Landing own authority, issues an order making a like own authority, issues an order max-country. Accordingly if the Dominion Govcountry. Accordingly if the Dominion Gov-vessels from inspection, a similar order will be passed at Washington. Up to the time passed at Washington. Up to the time witing (April 20), we have not been adorder by the Otvised of the passage of an order by the Otto hope that the matter will receive prompt to hope that the matter will receive prompt

Late Note.—April 28—Since the above was

set in type, the Dominion Government has passed the necessary order-in-council.]

Steamships registered elsewhere in Canada, but engaged in carrying freight only from one port to another in Can-ada, or on any of the lakes, rivers or coasts of Canada, which were exempted from inspection under the order of April 27, 1904, provided they had a certificate for the then current year from certain British and European insurance corporations, are now subject to inspection under the Canadian Act. The to inspection under the Canadian Act. order of Dec. 29, 1904, to that effect also set forth that all tug boats or pleasure yachts, registered elsewhere than in Canada, but plying from one port or place in Canada to another, shall also be subject to the provisions of the Canadian Steamboat Inspection Act. to the same extent as Canadian registered vessels of the same description. In connection with this matter the Department of Marine has notified the Dominion Marine Association that so far as the future is concerned in regard to vessels not registered in Canada, but plying in Canadian waters, the construction of boilers will have to conform strictly to the conditions required by the Canadian rules. In the case of steamers falling under this heading, in which boilers have been installed with the sanction of the Canadian authorities, which are not in strict conformity with the Canadian requirements, the Chairman of the Board of Inspection has been notified to exercise the greatest care. and to give as much latitude as will be consistent with safety.

Notices to Mariners.

The Department of Marine has issued the following notices to mariners:

No. 14. Mar. 4.—Quebec—35. Gulf of St. Lawrence, Magdalen Islands, Entry Island, removal of light station. 36. River St. Lawrence, south shore, Ste. Felicite, geographical position of fog alarm.

No. 15. Mar. 7.—New Brunswick.—37. Chaleur Bay, Dalhousie harbor, Douglas or Dalhousie Island, removal of light station.

No. 16. Mar. 7.—Quebec—39. River St. Lawrence, below Quebec, Pointe aux Orignaux, lighthouse rebuilt.

No. 17. Mar. 10.—New Brunswick—40. St. John River, Belleisle Bay, Hatfield point, light improved. Nova Scotia—41. Bay of Fundy, northeast ledge bell buoy replaced in position.

No. 18. Mar. 11.—Nova Scotia—42. Cape Breton Island, east coast, Sydney harbor, west arm, range lights to be established.

No. 19. Mar. 21.—Prince Edward Island 43. North coast, Cape Tryon, lighthouse established.

No. 20. Mar. 21.—British Columbia—44. Chatham Sound, Inskip passage, Port Simpson entrance, Birnie island, arc of visibility of light. Alaska-45. Cook inlet approach, reefs reported.

No. 21. Mar. 23.—Ontario—47. Lake Ontario, Toronto, east gap, fog alarm estab-48. Lake Ontario, Toronto harbor, Gibraltar point, fog alarm permanently discontinued. 49. Lake Huron, north channel, Blind River, changes in range lights.

No. 22. Mar. 24.—Nova Scotia—50. South coast, off entrance to Shelburne harbor, whistling buoy established.

No. 23. April 4.—Quebec-Lawrence, submarine bell established at Red Island lightship. 53. River St. Lawrence, mouth of Saguenay River, Prince shoal, gas buoy replaced by lightship, submarine bell. 54. River St. Lawrence, submarine bell 54. River St. Lawrence, submarine be established at White Island reef lightship.

No. 24. April 5.—Ontario Lighthouse division—55. River St. Lawrence, Lake St. Louis, Lachine lightship replaced temporarily by gas buoy.

Maritime Provinces and Newfoundland.

K. A. Barber has been appointed a measuring surveyor of shipping for the port of St. John, N.B.

Chief Engineer Smyth, of the cable repair str. Minia, has been appointed Inspector of the Dominion Government steamers, succeeding the late D. Stevens.

A bill to incorporate the Bear River Steamship Co., to operate steamers on Bear River and elsewhere, has been given a second reading by the Nova Scotia House of Assembly.

Tenders were received to April 15 by the Department of Trade and Commerce, for a steamship service between Prince Edward Island, Cape Breton and Newfoundland, and from Bridgetown and Cardigan Bridge, P.E.I., connecting at Pictou, N.S., with the Newfoundland service.

The proposition which Capt. J. A. Farquhar, of Halifax, has submitted to the North Sydney, N.S., town council for the construction of a dry dock at that place, calls for the expenditure of \$250,000 on the dock, and the fitting up of repair shops, and the town is asked to grant exemption from taxation and to vote a bonus of \$2,500 a year for 15 years. Capt. Farquhar stated that negotiations were going on with the Dominion Government, with a view of obtaining a subsidy towards the construction of the dock, and to provide for the maintenance of a wrecking steamer and plant at North Sydney.

Sir Thos. G. Shaughnessy, President C.P.R., in writing to G. Robertson, President of the Imperial Dry Dock, St. John, N.B., recently stated that the present facilities at that port are absolutely inadequate for the tonnage now passing through it, and any probability of increasing the tonnage is out of the question until additional accommodation has been provided. In the face of obstacles of every description, and at a cost he would not like to mention, the C.P.R. had made a deter-mined effort to establish St. John as a winter port for the traffic originating on the 12,000 miles of line it owned and controlled, but the result had been far from gratifying. The C.P.R., to strengthen its hands, had acquired a large fleet of ocean steamers, but there was not wharfage accommodation at St. John sufficient for them unless other steamers were crowded out. The company was now having built two passenger steamers for the route, but there was not a wharf at St. John where these steamers could land passengers and cargo, and the company would therefore be compelled to run them elsewhere after the close of the St. Lawrence season of navigation. It was no part of the duty of the C.P.R. to improve the harbor or build wharves at St. John. It would not be unreasonable to ask the company to provide yards, cattle pens, freight sheds, etc., for the interchange of traffic between the trains and the steamers, or if this be made part of a general scheme of improvement at the port, to pay a fair rent for the same, but beyond that the company would not go. The works necessary were essentially public works, and do not come within the province of an individual railway company. In conclusion, Sir Thomas said: This subject has been causing our directors and officers a good deal of anxiety, and we all hope some earnest and energetic movement can be started to secure what is so badly wanted within the next year or eighteen months. The present conditions are intolerable, not because the city of St. John has failed to do what it could for the advantage of the port, but because the expenditure in-

resources could prudently undertake. Companies have been formed in New Glasow, N.S., to take over the strs. Wabis and

volved in the equipment of a national port

is much larger than a city with St. John's



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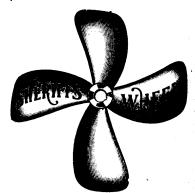
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A. A. Heard,

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Province of Quebec Shipping

P. A. Drolet and J. L. Fortin have been appointed Harbor Commissioners for Three Rivers, Que.

The railway and steamboat companies at Montreal are urging the Montreal Harbor Commissioners to build a bridge across the wharves near the landing place of the ferry steamer from St. Helen's Island.

Meldrum Brothers is the title of a company incorporated under the Dominion Companies' Anathra under the Dominion Companies and the Companies and th ies' Act with a capital of \$250,000 and offices at Montreal, to carry on a general forwarding business, and in connection therewith to own and operate tugs and barges.

The saloon of the Richelieu and Ontario Navigation Co.'s new str. Montreal has been most elaborately decorated; the decorations including two large allegorical paintings, "The Day from Dawn to Night-time," and "The Sunset Hours, Twilight and Night," by F. Constitution Academy. by F. S. Challener, Royal Canadian Academy.

The Montreal City Council has approved of a contract with L. Langlois for a ferry ser-tice between Montreal and St. Helen's Island at the same fares as heretofore, the contract to run for five years. It has been arranged to put the steamer St. Laurent on the service, and to have an additional steamer on holidays and special occasions.

The icebreaking str. Montcalm was kept at prevent the for several months trying to prevent the for several months trying to prevent the formation of the ice bridge at Cap Rouge One but without effect. The Cap Rouge, Que., but without effect. The result of the winter's work has shown that other means will have to be employed to keep the river. the river open at this point. Before she gave up work for the season, she was closed in by work for the season, she was closed in the ice at Cap Rouge, where she was held for

The Public Accounts Committee of the House of Commons is investigating the cause of the arrangement of the dredge of the explosion of the boiler of the dredge J. I. Tarte. The Government engineer explosion was pressed the opinion that the explosion was caused the opinion that the explosion too low regligence in letting the water get too low in the boiler, and stated that the boilers and stated that the boilers had been properly constructed. The dredge and its equipment were constructed at the Polson Iron Works, Toronto.

The Dominion Government str. Montcalm The Dominion Government str. Montanians been fitted with wireless telegraph apparatus, and has been placed in the Gulf of fined Points, and report the condition of the to the shore stations and incoming vesice Points, and report the condition of the sets to the shore stations and incoming vesshipping was arranged for through the Shipping Federation of Canada, which has also arranged for the usual daily reports of the ice and the respective signal the ice conditions from the respective signal stations: stations in the gulf and the St. Lawrence kiver, to be tabulated and available at Montreal. Ottob treal, Cuebec, Louisburg, and Sydney, until the gulf is clear of ice.

Ontario and the Great Lakes.

The Kelso Fish Co. has had a steam tug Eagle Lake Portage, Ont., for its trade on

The Niagara Navigation Co. will probably issue Niagara Navigation Co. will probable some bonds and a limited amount of new stock: ew stock in connection with the building of the additional steamship it has ordered.

The Rideau Lakes Navigation Co.'s steamers, during the season, opening May 1, will son River Day, he New York Central and Hud-Son River Rd.'s trains at Clayton, N.Y.

The str. Turbinia has been placed on the to be cleaned and dry dock at Kingston, Ont., to be cleaned and repainted, and to have other work done, prior to going on the run between Hamilton and A deputation from the Dominion Marine

Association had an interview in Toronto recently with W. Whyte, Second Vice-President of the C.P.R., with a view of securing greater accuracy and dispatch in loading grain at the Fort William and Port Arthur

The Lakeside, which sank at her moorings at Port Dalhousie, Ont., Mar. 24, owing to the leaving open of a seacock, has been in no way injured, and was raised so as to steam to Toronto Mar. 28. She commenced making her regular trips between Toronto and St. Catharines April 10.

F. E. Hall and Co. (Ltd.), of L'Original, Ont., has purchased the steam barge Isaac Lincoln, about 150 ft. over all, 30 ft. beam, and 12 ft. depth of hold, and also her consort Robinson, a tow barge. They will trade be-tween Georgian Bay points and Oswego and Ogdensburg, N.Y., with lumber.

The C.P.R. Upper Lake steamers will not call at Sault Ste. Marie, Mich., in future, except in the event of the Canadian canal being unavailable on any particular trip. The fact that the company's steamers did not call on the Ontario side of the river, was a general source of regret to Canadians for some years past.

The Dominion Government is reported to have purchased the str. Manitou from the United States and Dominion Transportation Co., for the further prosecution of the hydrographic survey of Lake Superior. field (formerly the Lord Stanley), hitherto in the service, has been ordered to Hudson Bay for similar work there.

The McIlwraith wharf at Hamilton, Ont., has been purchased by a Toronto syndicate headed by F. Nicholls, but nothing has been settled as to the use to which it is to be put. The syndicate referred to is the same one that has purchased the Niagara, St. Catharines and Toronto Ry., and the Niagara, St. Catharines and Toronto Navigation Co.

The str. Lincoln, which was undergoing repairs at Amherstburg, Ont., after having been considerably damaged by ice, was com-pletely burned April 8. She was formerly known as the Greyhound, and plied on various routes out of Toronto. In 1901 she was removed from Lake Ontario, and up to the end of last season ran between Pelee Island and mainland points.

The Thunder Bay Contracting Co. has been incorporated under the Ontario Companies' Act for the purpose of carrying on a general dredging, towing, wrecking and salvage business, and to construct docks, wharves and other harbor works. The capital is fixed at \$50,000, the offices are at Port Arthur, Ont., the provisional directors being:—W. F. Langworthy, A. J. McComber, T. Fisher, G. F. Whalen, G. H. Rapsey, of Port Arthur.

The Montreal and Lake Erie Navigation Co. is the title of the company which has purchased the str. China from the United States owners. She will be managed by C. A. Jaques, of Montreal. Before going on her route she will be thoroughly overhauled and fitted with new engines and boiler. The work will be done by the Bertram Engine Works Co., Toronto. The steamer will be named City of Montreal on being given a Canadian registry.

A large piece of steel has been found upon the mitre sill of lock 1, Welland Canal, evidently from the bottom of a vessel, and it is suggested that it had been torn from the Bannockburn, which was lost in the fall of 1903 on Lake Superior. The theory is that the piece of steel was torn from her hull when going through the lock on her last trip, and that she proceeded on until the rough seas pounded through the lining, completely engulfing and sinking her.

The steamers of the Canadian Lake and Ocean Navigation Co., which will be operated

during the season by the Montreal and Lake Superior Line, will be the A. E. Ames, H. M. Pellatt, and J. H. Plummer, between Montreal Que., and Port Arthur, Ont. The Turret Court, Turret Chief and Turret Cape, will carry freight from Port Arthur to any port offering; and the steamer Scottish Hero has been chartered to the Dominion Steel Co. for its trade between Sydney, N.S., and Montreal.

A press report recently stated the Parry Sound Lumber Co.'s str. Seguin had been purchased by the Department of Marine for use as a lighthouse and buoy tender on the Great Lakes, and that to fit her for the new service a cabin would be built from the stern for about two-thirds of the vessel's length, and on the fore part of the deck a crane for handling the buoys, etc., will be provided. Replying to a question in the House of Commons, April 4, the Minister of Marine stated that the steamer had not been purchased. It is believed, however, that the purchase will be made.

The Ontario and Quebec Navigation Co., recently formed with head office at Picton, Ont., will take over the following vessels:-Str. Alexandria, operating in the freight and passenger business from Olcott Beach and Charlotte, N.Y., to Montreal and Quebec, via the Bay of Quinte and St. Lawrence River; str. Niagara, operating in the excursion business on the Bay of Quinte; str. Lloyd S. Porter and consort Isabella Reid, capacity 2,000 tons; str. Aberdeen and consort Rob Roy, capacity 1,200 tons; str. Water Lily, capacity 200 tons. The last five are exclusively freight boats. B. R. Hepburn is General Manager, and J. de C. Hepburn, General Freight and Passenger Agent.

The Lake Carriers' Association of the U.S. engaged the big str. Algomah, owned by L. R. Boynton, St. Ignace, Mich., to open up the channel at the Straits of Mackinac, and subsequently she opened up the channel in Whitefish Bay, at the Lake Superior end of St. Mary's River. In connection with this work the Department of Marine was urged by the Boards of Trade of Port Arthur and Fort William to engage the Algomah to aid in opening navigation to these ports. It is hoped tugs will be employed next fall to keep the ice open and lengthen the season of navigation at Port Arthur and Fort William, and that similar means will be adopted there each fall and spring in future.

Our Winnipeg correspondent wrote on Apr. While the stocks of wheat, etc., at the Canadian head of the lakes were larger at the opening this season than last, owing to the unsatisfactory state of the wheat market, the movement east lacked the usual rush for this season of the year, and until the price, either up or down, takes a decided change, the movement will continue in the present unsatisfactory condition. For the opening some 18 bulk carriers were chartered at 2c to Georgian Bay or Lake Huron ports, and 6c. to Montreal, in the latter case marine insurance being included, which is a decidedly new feature in shipping circles. Several large contracts for the movement of steel rails both from Sault Ste. Marie and from Montreal are reported, and this class of business will keep a number of vessels busy during the entire season.'

An order has been placed by R. O. and A. B. Mackay, of Hamilton, Ont., on behalf of themselves and associates, with the Caledon Shipbuilding Co., Dundee, Scotland, for a steel screw package freight steamer having the following dimensions: length, 257 ft.; breadth, 431 ft.; depth, 261 ft. She will be considered the steamer having the steamer having the following dimensions: length, 257 ft.; fitted with triple expansion engines, cylinders 191, 33 and 54 in. diameter, by 36 in. stroke, to which steam will be supplied by two boilers, 14½ ft. by 11 ft., at a pressure of



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TERMS OF PAYMENT.

An actual settler may purchase not more than 640 acres, on the ten instalment plan by paying a cash instalment at time of purchase, interest at six per cent, on the unpaid purchase money at the end of the first year, and the balance of the principal with interest in nine equal instalments annually thereafter as shewn in the following

160 Acres at \$3.00 per acre, cash payment \$71.90, first year's interest \$24.49 and nine instalments of \$60.0

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• • •	**	6.00		11	143,80,	11	11	**	48.98	11	11	120.00

Purchasers who do not undertake to go into residence on the land are required to pay one-sixth of the purchase money down, balance in five equal annual instalments with interest at the rate of 6 per cent. per annum.

DISCOUNT FOR CASH.

If land is paid for in full at time of purchase, a reduction from price will be allowed equal to ten per cent. on interest at six per cent. will be charged on overdue instalments.

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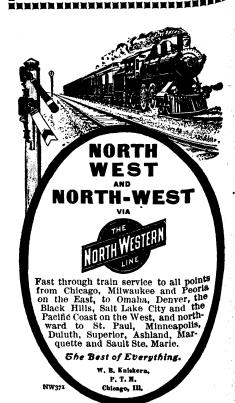
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180 lbs. Three gangways will be provided for loading and unloading of package freight, and she will have a cargo capacity of 70,000 on a 14 ft. draught, and 120,000 bush. On a 14 ft. draught, and 120,000 bush. draught will be 10 knots an hour. She will superior Line, be ween Montreal and Lake Arthur and Fort William, Ont. She is expected to be on the route about Sept.

The Hamilton Steamboat Co.'s str. Modieska, which has undergone an overhaul during the works ing the winter at the Bertram Engine Works Co,'s Yard, was given a trial trip April 6, when about a hundred representatives of marine and a hundred representatives. marine and other interests were invited. The Principal alteration in the steamer has been the add alteration in the steamer has been the addition of an upper or promenade deck, and a bridge. The engines have been overhauled and a grad deal of redecorative work hauled and a good deal of redecorative work done On the same day the company's str. Macassa was launched at Collingwood, Ont., where she had been lengthened. was placed in dry dock where she was cut in Placed in dry dock where she was the two amidships, and a new section 24 ft. two amidships, and a new section 24 it. to be installed, and the whole of the internal accommodated. The accommodation is to be rearranged. The adjeska took up her route, making one trip a day each way between Hamilton and Totonto, April 8; and the Macassa is expected to be on the route by the end of May.

The Collingwood Shipbuilding Co. (Ltd.) has been incorporated under the Ontario and offices at Collingwood, Ont., for the purpairing business, to construct wharves, tunstiens, bridges and other works; to operate in wrecking and sailing vessels, and to engage pany will take over the business, assets and Co., at present carrying on business there, paid-up stock of the Collingwood Shipbuilding and proposes to pay therefor by the issue of provisional directors are: Thos. Long, H. S. M.P.; B. Osler, F. Ford, G. C. Loveys, J. M. Raymond, D. L. McCarthy, R. B. Osler, F. Ford, G. C. Loveys, J. M. Pany erected a large plant at Collingwood, dividend was paid for 1903, and the annual to time pending the organization of the new

The steamers to be engaged in the package Lake line operated by the Montreal and Port Superior Line, between Montreal and at intermediate points, will be the same as H. M. Pellatt, of the Canadian Lake and Co. M. Pellatt, of the Canadian Lake and wards and the Arabian, owned by J. B. Fairgrieve and Co., Hamilton, Ont. The officers of the Manager, Hamilton, Ont. The officers of the city freight agent at Toronto last year, will be season will be: A. Cowan, Who was attacked to the Hamilton office; G. A. Perry, at Toronto, Will be contracting freight agent at Toronto, Hamilton, and at Toronto, Will be contracting freight agent at Toronto, Hamilton, will be wharf agent ing freight agent at Montreal, will be travelled in the season at Montreal, will be travelled the season at Montreal, will be travelled the season at Montreal, will be travelled the season agent at Montreal; M. J. Quinn, P. T. Some agent at Montreal; J. McLerie, Arthur agent for Western Ontario, with city freight agent at Montreal; J. McLerie, Arthur agent for Western for Port Arthur.

The Northern Navigation Co.'s fleet have to going on their routes for the season. The Majestic is having two new arches,

which will greatly strengthen her, and make her a first-class steamer in every respect. The steamer Midland has been refitted, her cabins renewed, and new arches put in. The changes on the United Empire are sufficiently extensive to warrant a change in name, and she will be known in future as the Saronic. Among the alterations made are a new general saloon 40 ft. in length and 15 ft. wide. fitted with plate glass windows 4 ft. square, which will give passengers an opportunity of viewing the scenery in cold weather without having to go outside; the kitchens, ice boxes and mess-rooms, which were formerly on the main deck, have been placed on the spar deck under the new turtle deck; she has also been fitted with engine telegraph, steam capstans and windlasses. The services arranged for include a tri-weekly between Sarnia and Port Arthur, Ont.; a weekly service between Sarnia, Ont., and Duluth, Minn.; a tri-weekly service between Collingwood and Owen Sound and Sault Ste. Marie, Ont.; a bi-weekly service between Collingwood, Parry Sound and French River, Ont., and a daily service between Penetanguishene and Parry Sound, Ont.

The application made by H. C. Spaulding, New York; T. W. Hugo, Duluth, Minn.; T. Burnham, Chicago, Ill.; J. I. Davidson, P. Howland, R. C. Steele, A. T. Drummond, of Toronto, at the current session of the Dominion Parliament, for an act incorporating a company with the title of the Canadian Canals Corporation, has been rejected. was proposed that the capital be \$15,000,000, the object being to construct and operate navigable waterways, with or without portage railways, from a point on the Georgian Bay between Waubashene and Port Severn, or on Nottawasaga Bay to Lake Simcoe, and thence to Lake Ontario, either in York or Ontario County; and secondly from Nottawasaga Bay, along Nottawasaga River to Lake Ontario in the County of York. In connection with the operation of the proposed canal and portage railways it was sought to obtain powers to acquire the patents granted to H. C. Spaulding for "new and useful appliances in transportation," and the Canadian rights for all improvements of the The canal was to be not less than 22 ft. same. deep, and there was to be a depth of not less than 21 ft. of water on the mitre sills of gates; and the width of the canals was to be not less than 125 ft., or more than 200 ft. at the bottom. Provision was to be made for charging tolls, and to enable the Government to expropriate upon giving six months' notice, at a value to be fixed by arbitration. In moving the second reading of the bill W. S. Calvert gave the following information: The canal is to commence on the Georgian Bay, and will cross over to Lake Simcoe, about 16 Lake Simcoe is 131 ft. higher than miles. Lake Huron, and it is intended to build a ship railway to raise the ships that 131 ft. Lake Simcoe is about 25 miles in length and it is proposed to build a canal about 99 miles in length and then another ship railway, which will be about 11 miles in length. Lake Simcoe is 466 ft. higher than Lake Ontario and by these proportions of railways, together with the canal, it is expected to be able to connect the Georgian Bay with Lake Ontario, a distance of 72 miles. It is anticipated that it will save about 618 miles in a round trip. The cost is estimated to be about \$45,000,000.

The Allan Line str. Victorian, the first turbine trans-Atlantic liner, made an uneventful voyage, in which she proved herself a steady and comfortable vessel. The engineering experts who accompanied her will report as to her performance on their return to England. The Victorian's sister-ship, the Virginian, also a turbine steamer, has made her maiden trip from Liverpool to Halifax, N.S.

Manitoba and the Northwest Territories.

The Dominion Government steamer Bayfield, heretofore engaged in the hydrographic survey of Lake Superior, has been ordered to go to Montreal, where she will be fitted to proceed to Hudson Bay for survey work there.

The Geographic Board for Canada has decided that the name Hudson's Bay, which has been used time out of mind to describe the great inland sea of Canada, shall no more be used, but that its name shall be Hudson Bay. This is in accordance with the rules adopted by the Board, which are based on those drawn up by the Royal Geographic Society in London, England, and which have been adopted by the United States Government.

The question of the extension of the boundary of Manitoba to Hudson Bay, which has been urged and which will come up for consideration shortly, is an important one from a navigation point of view. Manitoba claims that the development of a port on the Bay is necessary for the continued prosperity of the province, and that until there is such a port the river and lake navigation will be of little importance. Manitoba desires to have her boundaries extended to Fort Churchill, where there is a deep water harbor.

B.C. and Pacific Coast Shipping.

The pilotage authority for Vancouver is making an investigation with a view of revising the pilotage charges at that port.

The North Pacific Steamship Co. has been incorporated under the B.C. Companies' Act, with a capital of \$50,000 and offices at Victoria, B.C., to carry on a general navigation business.

The Vancouver, B.C., City Council has before it a proposal to guarantee for three years at 3%, bonds to the amount of \$800,000 for 20 years, to aid the construction of a dry dock at that port. The dock proposed would cost about \$1,060,000 and would be capable of taking in an 11,000 ton steamer. A shiprepairing plant would be established in connection with the dock.

The Union Steamship Co. has had built in Scotland a new steamer, named the Camosum, for the B.C. coast service. Her dimensions are: Length, 192 ft.; breadth, 35.1 ft.; depth, 14.7 ft. She is constructed of steel, and is fitted with a triple-expansion engine, cylinders 18½ in., 30 in. and 50 in. diameter by 36 in. stroke, which is calculated to give a speed of 18 knots an hour.

The White Pass and Yukon Ry. has purchased the str. Casca, one of the independent steamers operated last year between White Horse and Dawson, by Ironside, Rannie and Campbell. The Casca was built at Victoria, B.C., in 1898, and is a side-wheel steamer, having engines of 17 n.h.p. Her dimensions are: Length, 140 ft.; breadth, 30.5 ft.; depth, 5 ft.; tonnage, gross, 590 tons; register 364 tons.

A contract has been placed at Vancouver, B.C., for the construction of a wooden steamer, having the following dimensions: Length, 170 ft. between perpendiculars; breadth, 36 ft.; depth, 13.5 ft. She will be fitted with high pressure compound surface condensing engines, with cylinders 18 and 48 in. diameter by 36 in. stroke; to which steam will be supplied by two boilers. The engine is calculated to develop 600 i.h.p., and to give a speed of 10 knots an hour. She will have a cargo carrying capacity of about 1,000 tons, and will have accommodation for a limited number of passengers.

The Merchants' Service Guild of Canada, Pacific Coast Division, has its headquarters at Victoria, and has branches at Vancouver, Nel-

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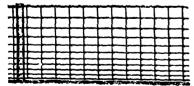
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son and Westminster, B.C., and at White-horse, Yukon Territory. The officers are:—President, Capt. W. Cox; First Vice-President, Capt. Thos. Brown; Second Vice-President, Capt. Geo. Robertson; Secretary-Treasurer, J. J. Martin. The Guild is endeavoring to secure the passing of an act providing for the taking of a poll on vessels when away from their home port on an election day; the master being the returning officer and the voters being members of the crew who are on the register of the electoral district of the home port of the vessel.

DOMINION MARINE ASSOCIATION.

The late date in March at which the annual tawa, prevented us from publishing an extended report of the proceedings, and only a given in our last issue.

Those present were C. F. Gildersleeve, Co.; Lake Ontario and Bay of Quinte Steamboat Transportation Co.; T. Donnelly, Donnelly Niagara Mavigation Co.; T. Donnelly, Donnelly Niagara Navigation Co.; H. W. Richardson, T. McIntosh, Niagara, St. Catharines and Lawrence River Steamboat Co., and Thoulawrence River Steamboat Co., and Thoulawrence River Steamboat Co., J. A. Cuttle, Co.; R. O. Mackay, New Ontario Steambation Co.; H. Henderson, Montreal Transportation Ship Co., Hamilton and Fort William Navigation Co.; A. A. Wright, Victoria Harbor Warding Co.; F. Plummer, Canadian Lake Ottawa River Navigation Co.; R. W. Shepherd, G. Johnson, Richelieu and Ontario Navigaration Co.; H. H. Gildersleeve, Northern Navico.; J. Hannan, J. P. Cavanagh, Ogdensburg Coal and Towing Co.; G. B. Greene, Upper Present the Secretary, F. King; E. Adams, Vice, and Acton Burrows, publisher of The The Secretary read the annual report as follows:

CANALS AND CANAL TOLLS.—In response the Detition CANAL TOLLS.—In response to ANALS AND CANAL TOLLS.—In response April, 1903, the Government suspended the results of two years, desiring to ascertain the Change before giving permanents. results of the change before giving permanent relief Association At the annual meeting or condition in March, 1904, the recommendation in March, 1904, the recommendation of the Executive Committee was adopted, to the Executive Committee ments which he effect that because the arguments which he effect the arguments which he arguments which he effect the argumen nents which brought about a temporary rehoval of the tolls still remained in force, and to a lactolls still remained in force, and had to a large extent been substantiated in the to a large extent been substantiated of 1903, and also because the unity of present conditions was very precertainty of present conditions was very preludical to the business interests involved, Addicial of present conditions in the Association should press for a complete ton the business interests involved, and final removal of the tolls. This resolution was the easter ambodied in a memorial was thereafter embodied in a memorial was present the total and the was present the total and the was present to the which was thereafter embodied in a memorian covernor. Presented in due course to the copies being overnor-General-in-Council, copies as wel also sent to all the ministers, as well as to commons and the ministers, as well as commons and for the Senate and House of mons, and to all the leading newspapers

The twoboards of trade in Canada. The two-period of trade in boing on the point ar period of trade in Canada. The two-expiring of exemption being on the point wed to arrange an appointment with mem-on the Government to hear a deputation ion the Accordance to hear a deputation from the Government to hear a deputation of the Association in support of a petition in support of the period. It at least an extension of the period. It for the period. It is approached to the first time that the Government the first time that the Government the exemption. Entire the exemption. had decided for the first time that the Government flury has been made of the Minister of Railways and Canals as to the term of extension, but the Minister has replied that it is impossible for him to anticipate formal announcement in the usual course, which has not yet been made.

The Association has consistently advo-cated the enlargement of the Welland Canal at the earliest date possible, as the best and easiest means of placing the Canadian water route to the seaboard in a position of un-questioned superiority over its rivals. The questioned superiority over its rivals. The memorial presented to the Government last year, and so largely circulated elsewhere, set out the views of the Association at some length, and asked for the improvement of the Welland, even if important elevator facilities were also provided at Port Colborne. The Transportation Commission at a session held in Kingston received from members of this Association a fund of expert evidence on the subject, and expressed considerable interest in the proposal The Georgian Bay and Ottawa Canal project, however, engaged their attention also, and although no formal report has been made in its favor, the Government is now engaged upon a preliminary survey of that route to ascertain its feasibility and cost. Your committee has since considered the matter further, and on account of the large expenditure already undertaken



J. A. CUTTLE,

Managing Director Montreal Transportation Co., and President Dominion Marine Association.

at Port Colborne to meet present conditions, and because it will take some time to receive a report on the cost of the Georgian Bay and Ottawa project, your committee has refrained from recommending, at the present time, any immediate action in further support of the petition for the improvement of the Welland.

Under this heading reference may be made to the request of the Association, referred to your committee, that the Government should be asked to operate the Lachine Canal gates by electricity. Favorable action was taken in the matter, and before the close of last season the electric apparatus asked for was being installed. Reference may also be made to various occasions during the past year on which this Association, through its Secretary, has made representations regarding the canals which have received the Government's favorable consideration. The instructions to keep them continuously open for the fall traffic were given upon the request of this Association, and the Welland was, on like request, kept open and the channel free of ice to allow the last boats through.

Your committee have just learned of a proposal for the development of 1,100 horse power from the waters of the Rapide Plat Canal at Morrisburg, and would recomment that the Government be asked to withhold its permission, as the utilization of the waters to the extent named may seriously interfere with the safe and convenient navigation of the canal by large vessels. Your Secretary has already asked the Minister of Railways and Canals to defer action until the views of the Association are heard.

STEAMBOAT INSPECTION ACT, INSPECTION Rules and Fees.—In your committee's last report reference was made to the efforts made to obtain for members of this Association a refund of the inspection fees and tonnage dues paid early in the season of 1903, before the suspension of the regulations requiring payment. The objections to the repayment of these amounts were finally overcome and under an Order-in-Council recently issued, notice of which was at once circulated by your Secretary, the amounts claimed have at last been refunded

The Canadian Steamboat Inspection Rules were in process of revision at the time of the last annual meeting, and the matter was then referred to a special committee of the Association. This committee reports a meeting by appointment with the Chairman of the Board of Steamboat Inspection and others, when the rules relating to equipment and engineer's certificates were fully considered and representations made on behalf of vessel interests were favorably received. The committee at that time also waited upon the Minister of Marine and Fisheries, and your Secretary subsequently submitted the committee's representations to the Minister in writing. The printing of the rules was in writing. The printing of the rules was not completed until January last, and this Association, in compliance with a special request, received a supply from the first issue, which were at once distributed among all the members.

Contemporaneously with the revision of the Canadian rules the Inspection Rules in the U.S. were being subjected to scrutiny and amendment, largely as a result of the popular sentiment expressed after the Slocum disaster. The Board of Supervising Inspectors proposed to submit a set of rules for the approval of the Secretary of Commerce and Labor on Jan. 1, 1905, but the submis sion was delayed until Jan. 16 to enable vessel interests to examine the draft and make suggestions. A special invitation was extended to this Association to attend a meeting of passenger lines for that purpose in Buffalo on Jan. 4. The notice was too short to arrange a general representation of the Association, but the revision being of importance to Canadian vessels plying to U.S. ports, your President and Secretary attended, and took part in the discussion of the proposed revision. A special committee, of which your representatives were made members, made various criticisms and suggestions, which were embodied in instructions for a brief to be submitted at Washington by H. D. Goulder on behalf of the vessel interests represented. The views of all parties were subsequently heard at Washington on Jan. 16, and received full consideration. The rules were revised and finally approved on Feb. 23. They have since been issued, and Feb. 23. They have since been issued, and are now in force; and the Secretary of the Buffalo meeting, writing to this Association on the subject, reports that they conform absolutely with the brief submitted.

It has just transpired that it is the intention of the U.S. inspectors to enforce the new U.S. rules fully upon Canadian steamers subject to U.S. inspection, even in regard to equipment, which has heretofore passed U.S. inspection though not strictly complying in minor details with all their rules. Your Secretary has written to the Minister of Marine



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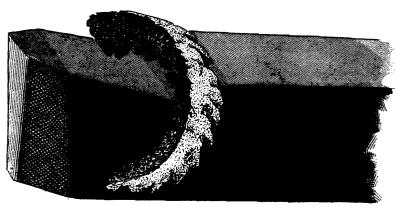
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While the contemporaneous revision of the rules in the two countries without official conference of the inspection boards seems to defer to an even later date, the suggested reciprocal inspection arrangements now proinspection arrangements wided for by the statutes of both countries, the desired reciprocity in regard to the abolition of the tax is now almost attained. In pursuance of representations from the Association ciation, an amendment of the Steamboat Inspection Act was made in 1903 permitting our Government to take reciprocal action if any foreign country allowed the inspection of Canadian vessels free. Through the proper change communier channels this amendment was communicated to the U.S. authorities, but no action was taken. It was then ascertained in cor-respondence with Washington that as the U.S. had passed similar legislation at an ear-lier data. be taken by Canada. Your Secretary therebe taken by Canada. Your Secretary uncompon obtained from the Secretary of Commercial Washington an undermerce and Labor at Washington an undertaking that immediately upon notice of the passage of an Order-in-Council in Canada gving effect to the power conferred by the statute of 1903, and removing the tax from U.S. vessels, he would at once exercise the discretion discretionary power vested in him and remove the tax imposed by the U.S. upon Candian vessels. This was communicated to longitude of Marine and Fisheries and diponation of Marine and Marin omatic overtures followed, resulting in a confirmation of the unofficial undertaking Your section of the unofficial undertaking Your Secretary had obtained. On Feb. 9
according was made by accordingly, a recommendation was made by the department to the Governor-in-Council that the department to the Governor-in-Council he passed that the necessary Order-in-Council be passed in Connection of the necessary Order-in-Council be passed in Canada, to take effect on April 1 next, and the Order issued under on Feb. 14. Notice of this Order has been communicated to Washington, and the desired consummation brobatic to a second by the removal of the fee in the U.S. before April 1.

On Dec. 29 last an Order-in-Council was passed cancelling the previous Order of April 127, 190 cancelling the previous Order of April teted 04, under which freight vessels registrificates of certain foreign corporations, was considered by your Executive 1 last, and a resolution was then adopted be allowed to interfere unjustly with vessel with rules then accepted by law. It was unpartment that instructions would be given that it is the properties which it is the properties which it is the properties where the was a second with the properties with the properties with the properties where the was a second with the properties with the properties which it is the properties where the was a second with the properties where the properties was a second with the properties where the properties was a second with the properties was a second was a second

Under this heading the bill introduced on Steamboat Inspection Act may be referred to the bill aims to remove the exemption from the bill aims to remove the exemption from freight carriers of under 150 tons, and also to applicants who are not at least fourth-class entitles. The bill was not reported by the competent to which it was referred last year. This new to which it was referred last year. This new to which it was referred and the season was held on Feb. 15, and your Secretine to send word to members of this Association and word to members of this Association and the fullest possible information was given

to the Parliamentary Committee regarding the purpose and probable effect of the bill. A deputation of marine engineers was also heard and the committee adjourned to procure further information and meet at the call of the Chairman. At a second session on the 1st inst., parties were again heard and considerable opposition to the bill developed in the committee. The committee has again adjourned and it is quite possible that the bill may not be advanced.

Your Executive Committee call attention again to the fact that the inspection fees and tonnage dues are left by the Act of 1903 still under the jurisdiction of the Governor-in-Council, and that no action has been taken towards their absolute abolition. At a convenient time it may be well to press again for legislation removing the possibility of their re-imposition save by Act of Parliament.

RULES OF THE ROAD.—As already reported a new set of navigation rules have been formulated to take effect upon the Great Lakes, their connecting and tributary waters, and the St. Lawrence River as far east as the Victoria Bridge and the lower exit of the Lachine Canal at Montreal. The amendments have already been referred to in a previous report, and need not be recited again. The rules in Chap. 79, Revised Statutes of Canada, are only varied in the present issue in certain details in important points, where uniformity with the U.S. rules was absolutely necessary. Several revisions have come before your Secretary during the year just closing, and final amendments were submitted to the Department at Ottawa at a last meeting on Jan. 18 last, and have in the main been accepted. though in one or two details, noticeably in the citation of authority on the title page, and in the wording of certain rules intended to be identical with those of the U.S., the recommendations have not been fully carried out. The new rules have been issued, and copies have been sent to your Secretary and distributed to members of this Association. Collectors of customs and steamboat inspectors have also been supplied, and copies may be obtained from them or from the Department at Ottawa upon application.

Charges at Government Wharves.—The memorial presented to the Government in 1903 petitioned generally against these charges. At the annual meeting in 1904, the recommendation of your committee was adopted, that a petition be again addressed to the Government recognizing the fact that a charge may be proper upon the freight landed or received, but pressing the view again that no charges should be made against the vessel. This petition was accordingly embodied in the memorial subsequently presented to the Government. Your committee now recommend that this petition be again taken up, and commended to the early and favorable consideration of the Government.

HOSPITAL DUES.—A year ago, the Shipping Federation of Canada, an organization more largely interested in this matter, was addressed, and an offer made to co-operate with them in any action they might take towards the removal of these unnecessary charges. Your committee, at a recent meeting, gave the matter further consideration and resolved to again bring the question forward. Your Secretary communicated with the Shipping Federation, and upon its petitioning the Government filed a petition also on behalf of this Association, which is now receiving consideration.

AIDS TO NAVIGATION, ETC.—The list of recommendations made under this heading, referred to in your committee's last report, was duly laid before the Lighthouse Board. Correspondence followed regarding several items and due consideration and effect has, it is understood, been already given to several

of the recommendations made. Representations have been made to the Department, from time to time throughout the year, on behalf of this Association, regarding individual lights and buoys, and have received due consideration. Attention should also be called to the fact that this year, to accommodate vessel interests, the Department endeavored to maintain its service until Dec. 15, and that the Government also undertook to keep the harbors of Fort William and Port Arthur and the Welland Canal free of ice in the channels to enable navigation to continue unimpeded until the date named.

IRREGULARITIES IN WEIGHING OF GRAIN at Elevators.—This question came before the last annual meeting and was referred to the executive committee. At a meeting of the committee in Ottawa on June 16 last, the matter received full consideration, and as it was apparent that the Government certificate of weight given at Port Arthur or Fort William affords the elevator there full protection against a vessel whose load is found to be short at her destination, and the vessel is consequently without redress, it was resolved to ask the Winnipeg Grain and Produce Exchange to assist in taking action to do away with the Government weighing into vessels at the ports named. This assistance was asked for, but the proposal was not concurred in. During the past season several glaring examples of shortage in weight have occurred, and at a joint meeting of your committee with members of the Association interested in the grain trade, further discussion took place, resulting in a resolution to repeat the request already made to the Winnipeg Grain and Produce Exchange, pointing out the Association's desire to have responsibility for the weight of the cargo rest entirely on the elevator, with no interference whatever in the system of Government supervision of the weighing, except in the case of loading vessels, and on this resolution correspondence is still pending with the Winnipeg Grain and Produce Exchange. In the meantime, the committee recommend that the owners of vessels carrying grain from Port Arthur and Fort William should enter into an agreement prohibiting the offering of any inducements to any employe of any elevator to secure quicker dispatch or advantage in loading; and that thereafter a deputation should wait upon the management of the C.P.R. and C.N.R. elevators to ask assistance in improving the conditions at the ports named; and that, if possible, vessel owners should appoint one agent to act for all at these ports.

Trimming Charges and Methods at Elevators.—Upon representation that much time and unnecessary expense is involved under present conditions in trimming the loads of grain by manual labor upon vessels at the elevators at Port Arthur and Fort William, and that the difficulty could be remedied if the elevators would put in trimming spouts for the grain, your Secretary has, upon instructions, entered into correspondence with the C.P.R. and C.N.R. authorities, and has received letters from both railways that investigation is being made, and that further reports will be given at an early date.

HARBORS AT FORT WILLIAM AND PORT Arthur.—At the session of Parliament in 1904 bills were introduced by the Minister of Marine and Fisheries to provide for the appointment of boards of harbor commissioners at these ports, with power to levy rates on shipping entering these ports, and at the meeting of your committee in Ottawa in June last it was resolved to protest against the bills, and that a deputation should wait upon the Minister for that purpose at an appointment already arranged by the Secretary. Representations then made, and a petition presented, induced the Minister to give the matter

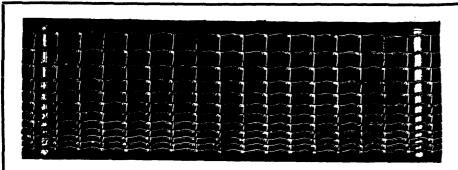
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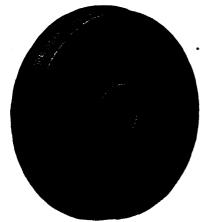


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further consideration, and the bills were not again presented to the House.

LAKE TRAFFIC GENERALLY.—Reference should be made to special and well-attended meetings of the lake carriers section of the Association, which have been held in Toronto twice last fall, and again in Jan. and March, all of last fall, and again in Jan. and estanded all of which have been called and attended by your Secretary, and at which business affecting the special interests of the members present has been transacted. Some matters referred by the last of these meetings to your Recutive Committee are still under considerate of loading at Port Arthur and Fort William, and the hardship entailed in moving about from port to port; the provision of bills of lading to protect owners, and demurrage on coal and coal and grain.

MEMBERSHIP.—The membership of the Asiation remains as it was during 1903 and 1904, with the addition of some two or three new companies. The total tonnage represented is 112,297, of which 79,349 tons are steam steam, and 32,948 tons other vessel property. The Association represents substantially the Association represents substantian, in land waters of Canada, and it may be pointed out that a Canadian vessels out that practically all the Canadian vessels engaged in carrying grain upon the lakes have come into the Association with the exception of the into the Association with the exception of the Algoma Central, the Canada Atlantic, and C.P.R. steamers. On account of the Treasurer's statement submitted to you, it must be explained that one company whose total tonnage is included in the above total has so for the state only upon a has so far paid dues this year only upon a section ar section thereof, and that two other companies which ies which have entered during the season have not yet paid their dues and their tonnage is not included in the above figures. uncluded in the above figures. 10th committee has considered the method of a minimum, and recommends that hereafter minimum of \$100 a minimum of \$5, and a maximum of \$100 be paid by months. duninum of \$5, and a maximum of \$100 that the assessment for 1905-6 be at the rate cents per ton on steam vessels, and cents per ton on steam vector, cents per ton on sailing and barge prop-

The report was unanimously adopted, except the portion of the last section respecting the membership fees for the current year, the committee having left some of the amounts

It was moved that the assessment for 1905 at the be at the rate of 2c. per ton on steam vessels An amount on sailing and barge property. An amendment was moved placing the minimum assument at the maximum at amendment was moved placing the maximum at \$5, and the maximum at \$5. The amendment was lost and the or-Sinal motion carried, but the Executive Committee was authorized to consider any special cases which authorized to consider to its notice, cases which might be brought to its notice, and in recreate the comand in respect to which there might be complaints as to the amount levied.

Following is a summary of the Secretary-Treasurer's statement:-

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steamer passes any given point in these rivers about every ten minutes. Opposite Courtright most of the steamers use the Canadian channel, and they are in the habit of keepon the up trip, for the purpose of having less current to contend with. The Michigan Central Rd. has extensive docks at Courtright, and when a boat is moored at the dock and a passing steamer keeps too close to the Canadian shore, the suction is so great as to make a steamer moored at the dock surge, and unless she has an additional number of lines they are broken, and she is carried away from her moorings. Mr. Mackay thought that a steamer passing at a high rate of speed through low waters was liable for damage to the property caused by her going at such speed. Last season the Wahcondah was carried away from her moorings at Courtright and the Donnacona at Point Edward. and the first named boat sustained damage to the extent of about \$100, and the other between \$200 and \$300. His firm was in correspondence with the owners of the boats, which are owned in the U.S., that did the The U.S. define the rate of speed at which a vessel should go through St. Mary's River, and he thought Canada should have a rule for the Detroit and St. Clair rivers. for such portions of them as are under Canadian jurisdiction. It was decided to submit the matter to the Minister of Marine.

J. A. Cuttle suggested that the Farran's Point Canal should be kept open the entire season, including Sundays. This canal, which season, including Sundays. This canal, which is about five miles above the head of the Cornwall Canal, is simply a lock at the foot of the currents, or most intricate part of navigation on the St. Lawrence. Under the existing regulations, vessels are detained there all day Sunday, and are obliged to start at 9 o'clock on Sunday night, while if the night is at all unfavorable, they have to wait till the fol-lowing morning. The lift lock at Cardinal, at the head of the currents, is kept open all season, thus enabling vessels to pass down on Sundays and to reach Dickenson's Landing, at the head of the Cornwall Canal, on Sunday evening. This is a great convenience, which would be considerably added to if the Government would deal with the lock at the lower end of the currents in the same

H. H. Gildersleeve contended that all the canals should be open on Sundays. Cuttle opposed this, saying that if the matter was opened up the time for which the canals are opened on Sundays might be curtailed. The matter dropped without any action being taken.

A resolution, as given in our last issue, was passed urging the Department of Marine to take immediate steps to secure reciprocal steamboat inspection between Canada and the U.S.

R. W. Shepherd stated that under the new inspection rules the Ottawa River Navigation Co. and other vessel owners were required to provide a number of additional lifeboats. It was preferable to have these of metal, instead of wood, on account of better lasting qualities, etc., but there was practi-cally only one maker of metallic life-boats in Canada, viz., in the Province of Quebec, and his output was very limited and his prices high. Mr. Shepherd therefore urged that the Government should be asked to admit metallic life-boats free of duty, at least until such time as they can be made in Canada in sufficient quantities to fill the demand. It was decided to prefer a request to the Department of Customs in accordance with Mr. Shepherd's suggestion.

A resolution was adopted thanking the Dominion Government for the way in which it had granted a number of requests made by the Association.

Officers for the current year were elected as stated in our last issue,

In the afternoon most of the members attending the meeting interviewed several cabinet ministers and officials. They first waited on the Minister of Marine, Hon. R. Prefontaine. C. F. Gildersleeve, on behalf of the Association, protested against the pas-sage of the bill introduced in the House of Commons by D. L. McCarthy, M.P., to amend the Steamboat Inspection Act. He urged the Steamboat Inspection Act. that steps be taken to arrange with the U.S. Government for reciprocal steamship inspection, and that pending such an arrangement the U.S. Government be asked not to enforce for this season, as far as Canadian vessels are concerned, its new regulations respecting the amount of cork required in life preservers. He also suggested that the present system of levying marine hospital fees be abolished, that the speed of vessels on the Detroit and St. Clair rivers be regulated, and that the charges at Government wharves be abolished. C. J. Smith spoke in reference to life preserv-Owing to the Slocum disaster the U.S. authorities had decided that life preservers which had passed inspection before would not now be accepted. The present life preservers used in Canada contained about 51 lbs. of cork, while the U.S. rules call for 6 The R. and O. N. Co., to comply with the new regulations, would require about 4,000 new life preservers, and the various companies embraced in the Association would probably want at least 20,000. It would be impossible to procure them in time for the opening of navigation. He suggested that the Minister should ask the U.S. Government to extend the rule for the present season and then that there be reciprocal inspection between the two countries. He also pointed out that the Canadian rules do not give credit for life rafts in the same way as the U.S. rules do. J. A. Cuttle spoke in reference to marine hospital dues, contending that the Government collected more than was necessary, and pointing out that vessels clearing from Quebec ports had to pay hospital dues in the U.S., while vessels clearing from Ontario ports did not have to do so. Captain Donnelly urged the necessity for arrangements between Canada and the U.S. respecting reciprocal inspection. H. H. Gildersleeve objected to the charges at Government wharves on Georgian Bay. He pointed out that the Government, for the purpose of aiding navigation and the different localities. have built wharves at which a charge is made for steamers landing, in addition to a Govern-ment rate of wharfage on the goods. The Government appoints caretakers who are not responsible for the goods when landed. He contended that a wharf was like the dredging of a channel or a lighthouse—an aid to navigation-and that a charge should not be made for the one unless it was for the other. He also urged that Government wharfingers should be responsible for the goods landed in their charge, and that the goods should pay the wharfage instead of the steamers being taxed when landing them. It often happened that the Northern Navigation Co.'s nappened that the Northern Navigation Co. s steamers discharged freight on which the earnings were less than a dollar, while the steamer had to pay \$1.50 to \$2.50 for landing. In reply, Mr. Prefontaine promised to carefully consider the various requests and carefully consider the various requests and said he would immediately communicate with the U.S. Government respecting the inspection matters.

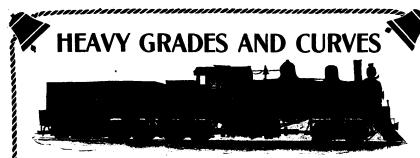
The delegation then called on J. McDougald, Commissioner of Customs. R. W. Sheppard urged the abolition or suspension of the duty on metallic life buoys. Captain Donnelly suggested a change in the system of clearance papers to vessels leaving Fort William and Port Arthur. He pointed out that when a vessel starts to load a grain cargo at Fort William, the captain often expects to complete loading there, but when the vessel is partly loaded he is ordered to go to Port Arthur for the balance, or, as frequently

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happens, he had to return again to Fort William to finish loading. If this happens before the closing of the Customs office, at 4 has to waste considerable time in finding a Customs officer, and at night it is even worse, as there is only one officer at each port. A vessel cannot leave Fort William till the captain has obtained a clearance. He suggested that if the agent of the vessel or the shipper gave the Customs officer information regarding the cargo aboard, as the voyage was between Canadian ports, the Department should arrange so that the vessels are under the coastwise license. The present system causes great delay. Captains two ports during daylight, as the channel is intricate one, and frequently they are in obtaining a clearance.

The Minister of Railways, Hon. H. R. Hand the delegation in his Enther Minister of Railways, Hon. II. IV. Toom in the House of Commons, where they were in the House of Commons, Where they were introduced by W. Harty, M.P. The Secretary read a memorial respecting the application of the village of Morrisburg for Rapids Plat Carol for the use of the village Rapids Plat Canal, for the use of the village and for the village costablished there. and for factories to be established there. The memorial stated that the utilization of the water named water for power to the extent named would decrease the depth of water and cause such decrease the depth of water and cause of the currents throughout the whole course the canal, as well as such disturbance at the point of the canal of the ca the point where the water would be withdrawn, that navigation of the canal by large steamers and tows of barges would be difficult and troublesome at all times, and probably impossible with full ably impossible for large vessels with full loads at times of low water. The late enginer in charge refused to sanction the cutting the best refused to sanction the water of the charge refused to sanction the cutting from the bank and the withdrawal of water tent the canal for power to any greater extent than the canal for power to any greater extent the canal for power to any grea than that already utilized, believing that the results would be seriously prejudicial to the circults would be seriously prejudicial to the results would be seriously prejude to the size and ready transportation of vessels past the river, the main sels past this point of the river, the main The entrance at the head of the canal was intended. enlarged and the piece extended to enable entance at the head of the canar was replaced and the piers extended to enable the piers extended to enable the canar at vessels bound down to enter the canal at times who and down to enter the canal at times when the water is too low for safe pasage down the water is too low for sale partial the rapid, and any additional current in the capid, and any additional current in the capitally trouble-Some and canal would be specially troubleand dangerous. A similar memorial was submitted signed by a number of captains submitted signed by a number of captiver. Capt. Donnelly supported the memorials in a vigorous and practical speech. Had the right to use 250 horse-power and that the right to use 250 horse-power and the right to had the right to use 250 horse-power and the the right to use 250 horse-power and that the right to use 250 horse-power and tonal application was for only 750 additional horse-power. The Department's Ention, but in view of the protests submitted the matter would be thoroughly gone into, the utilization of the additional power and if the utilization of the additional power desired would be thorough the additional power would interfere with navigation, of course it must not be allowed H. S

in support of the proposal to improve the wolf adian water, extending from some few miles southwest of Kingston almost to Gananoque. Proposite Kingston almost to Gananoque. It is in the route between the two ports which water is the port of two ports with the route between the two ports wolf in the route between the two ports wolf is a possible with the route between the two ports wolf is a possible with the route between the two ports wolf is a possible with the route between the two ports wolf is and forms a barrier in the way, the the around its foot being about 24 miles, of the routes are exposed to the rough waters through winds. Many years ago a canal was cut work was not sland, two bays on the opposite a possible the island, two bays on the opposite a possible was not sland being thus joined. The wallable for properly done, no means were for its maintenance, and it partly

filled up and fell into disuse. The dredging of the canal would shorten the route from Kingston to St. Vincent to 13 miles and would enable a car ferry to be put on. It would lower the price of coal, which could be brought in barges from Cape Vincent to Kingston, instead of by vessel from Charlotte or Oswego, across the Lake. The Minister said that this was a matter which came under the jurisdiction of the Public Works Department.

The delegation, accompanied by Mr. Harty, then called on the Acting Minister of Public Works, Hon. C. S. Hyman, when C. F. Gildersleeve and H. S. Folger urged the construction of a ship channel across Wolfe Island, advancing similar arguments to those submitted to the Minister of Railways. Mr. Hyman suggested that a memorial containing the facts, and showing the commercial possibilities of the route, be prepared and submitted to him.

The Commissioner of Customs, who was interviewed by a deputation from the Dominion Marine Association in reference to clearances of vessels between Port Arthur and Fort William, Ont., has notified the Association that he has issued instructions to the collectors at the two ports whereby a vessel clearing from Port Arthur for Fort William to take on part of her cargo, or vice versa, from Fort William to Port Arthur, will not be required to report to the customs authorities in each case, and will only have to obtain one final clearance when she leaves for good with her cargo. This rule will apply only for vessel's leaving coastwise, and not to a vessel sailing for a port outside Canada.

Among the Express Companies.

The Western Ex. Co. has opened offices at Strongs, Mich., and Karlstadt, Minn.

J. J. Lacoste has been appointed agent for the Dominion Ex. Co. at New Liskeard, Ont., where an office has just been opened.

The Dominion Ex. Co. has opened offices at Cobalt and Latchford, Ont., on the line of the Temiskaming and Northern Ontario Ry.

W. W. Williamson, Accountant Canadian Ex. Co., has been appointed Superintendent of Tariffs in addition to his duties as Accountant. Office, Montreal.

V. G. R. Vickers, Superintendent Atlantic Division Dominion Express Co., was married in Montreal April 26 to Mrs. Routh, daughter of W. B. Smith, General Manager Dominion Transport Co. The Dominion Express Co.'s staff presented Mr. Vickers with a silver tea service.

H. N. Lingley has been appointed Assistant Route Agent, Canadian Ex. Co., with headquarters at Truro, N.S. He will have charge of routes 60, 61, 62, 63, 64, 96, 97, 98, 100, 102 and 116, and also on Prince Edward Island Ry. He will report direct to H. C. Creighton, Superintendent, St. John, N.B. Route Agent Coleman will have charge of routes 55, 56, 57, 58, 59, 65, 66, 90, 91, 92, 93, 94, 95 and 101.

Roscoe Murphy, heretofore Route Agent Canadian Ex. Co.'s Central Division, has been appointed Assistant Superintendent of that division, and the following lines: G.T.R., east of Montreal, to Portland, Me., and Point Levis, Que.; Intercolonial Ry., Montreal to Riviere du Loup, inclusive; Temiscouata Ry.; Quebec and Lake St. John Ry.; Great Northern Ry.; Quebec Southern Ry.; Central Vermont Ry., in the province of Quebec, and G.T.R. south of Montreal to Massena Springs, N.Y. Office, Montreal.

The Dominion and Western Ex. Companies have adopted the uniform style of money

order agreed upon by all express companies, and it was notified that the necessary forms would be issued during April. The orders are printed in dark green upon a lighter green, the Dominion Ex. Co.'s having the imprint of a coat of arms thereon, and the Western Ex. Co. an imprint of the company's call card. The Canadian Ex. Co. has also adopted the uniform style of money orders, and the new issue will begin with the letter F. It has also abolished the three months' time limit printed on the face of the previous issues of its orders.

Telegraph and Cable Matters.

The G.N.W. Telegraph Co. has opened an office at Beaupre, Que.

The Western Union Telegraph Co. paid its usual quarterly dividend of 11%, April 15.

Among the votes passed by the House of Commons during the current session is one for \$100,000 to provide for the establishment of Marconi wireless telegraph stations.

The Dominion Government has given notice that it will establish a wireless telegraph station (Marconi System) on Sable Island, and that it will be in operation Aug. 1.

H. E. Roberts has been appointed Superintendent of Supplies and General Purchasing Agent of the Western Union Telegraph Co. at New York, succeeding the late E. C. Cockey.

The Quebec Steamship Co.'s steamers Bermudian and Trinidad have been fitted with wireless telegraph apparatus, and messages for these steamers will be accepted by the telegraph companies.

E. C. Cockey, Superintendent of Supplies and General Purchasing Agent, Western Union Telegraph Co., died in New York, recently. He was President of the Old Time Telegraphers' Association in 1895.

The two copper wires which the C.P.R. Telegraph Department will string this year between Winnipeg and Emerson, Man., will connect with the wires of the Minneapolis, St. Paul and Sault Ste. Marie Ry.

The Vancouver, Westminster and Yukon Ry. is stringing its telegraph wires between Vancouver and New Westminster, B.C. It has power to transact a commercial business, and its wires will connect with those of the Great Northern Ry., U.S.

W. Marconi, the inventor of the system of wireless telegraphy adopted by the Canadian Government, was in Glace Bay, N.S., recently, where he inspected the new station erected inland from the old one built in 1902. He stated that the station was moved inland at the request of the British and Canadian Governments, so as to be out of shell range in the event of hostilities, in which the Canadian shores might be attacked. He added that he had recently perfected a magnetic detector, on the principle of the Wheatstone recorder, which will record 100 words a minute. Experiments with this instrument will be made on the steamer when Marconi is returning to England.

The Dominion DeForest Wireless Telegraph Co. is being organized with a capital of \$1,200,000 and offices in Montreal, to establish wireless telegraph stations throughout Canada, on the system invented by L. DeForest, of New York. The company proposes to establish stations in all important centres in the different provinces and territories; to place instruments on board all vessels doing business in Canadian waters, and to distribute news to the newspapers of the country. The stations in Montreal and Ottawa are being fitted up and it was expected to have them in operation by the end of April. The next stations it is proposed to equip are to be at Quebec and Toronto

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General Telephone Matters.

Telephone Co., Middleton, N.S.

The Bell Telephone Co. is preparing to install a telephone co. is preparing telephone system in Blind River, Ont. The supplementary letters patent authorthe supplementary letters patent authoring the New Brunswick Telephone Co. to to the telephone its capital stock from \$60,000 to \$250,000, have been issued.

The Stark Telephone, Light and Power System, which operates in Toronto Junction, Out, and vicinity, has decided to declare a dividend of 31% for the current half-year, payable in July.

The Bell Telephone Co. has extended its the Bell Telephone Co. has extended as the from Owen Sound, Ont., to the King's Royal of the Comparing to Royal Park, three miles; and is preparing to Construct lines to Kemble, East Linton and Hogg on the party line system, with Owen sound as the centre.

Telephone Co. at Woodstock, Ont., has been charge of construction work, and will be succeeded by F. W. Dewar, heretofore local nanager at Walkerville, Ont.

The Stratford, Ont., City Council is nego-tating with the Bell Telephone Co. in con-taction with the renewal of its franchise. The council desires to have the wires placed underground in the main streets, and will give free use of the streets for this purpose.

The work of equipping the main exchange central energy is in progress, central energy instruments is in progress, and is expected to be completed in July. There are 4,800 subscribers on the lines centering on the transital St. exchange, where a tering on the Hospital St. exchange, where a switchboard is under construction.

The Bell Telephone Co. transferred its east ead switchboard and apparatus from the old the new building on St. Catherine St., Montreal, to There are 3,500 subscribers on the lines centered at this exchange, and the transfer was made with sexchange, and the transfer was hade without any interruption in the service.

An : heing An independent telephone line is being Out, the intention being to establish exchanges at Port Colborne, Ridgeway, Fort also proposed to construct lines for farmto also proposed to construct lines for farm-and J. Ball, of Ridgeway, are the promoters

The Haileybury and Cobalt Telephone Co. tag been incorporated under the Ontario office at Haileybury Ont., to construct a label of the between Haileybury and Collins of the between Haileybury and Collins of the Dravisional directors are: Mil. Ont., and other points in the district of the provisional directors are:—C. G. Farr, D. Myles, J. F. Gillies, of Hailey-

The Ontario Telephone Co. is the title under Which application is being made at the form act of the Ontario Legislature an act of incorporation by residents of incorporation by residents of Drawster. Muir-Repart act of incorporation by residents of head aid Heyd, Ont., for whom Brewster, Muir-land Heyd, solicitors, are acting. The oun and Heyd, solicitors, are acting. The phote business in Brantford and other towns, and to make the property of the propert to make a special feature of rural con-

of the reference by the House of Commons the telephone question to a select complosite is for the purpose of inquiring into the telephone of the purpose of inquiring into the telephone in operation in Canada and any stems in operation in Canada and any stems in operation in Canada and any stems in operation what changes, if the purpose of the methods have the force for furnishing telephone in the committee to the advisable in respect of the methous that the force for furnishing telephone public. Such committee to send for persons and papers,

4 345

to examine persons under oath and to report from time to time." At the first meeting of the committee Sir Wm. Mulock was appointed chairman, and F. Cook, Ottawa, President of the Union of Canadian Municipalities, attended and promised the co-operation of that body in the investigation. The committee passed a resolution stating that it was de-

passed a resolution stating that it was desirable for it to inquire into and consider all existing legislation regarding telephone sys-	1
tems in the Dominion of Canada, including federal, provincial and municipal legislation; the United Kingdom; the United States;]
Australasia; Norway and Sweden, and Denmark. The committee is taking evidence at considerable length.	1
at Considerable length.]
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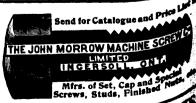
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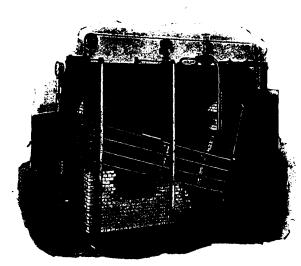
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Locomotive (Logging)	American Asphaltum & Rubber CoChicago, Ill. Paints, Locomotive Front end	The Canadian Rubber Co. of Montreal. Sand. White
Lima Locomotive (Logging) Locomotive and Machine CoLima, Ohio. Baldwines (Back) Locomotive and Machine Co. of Montreal. Locomotive and Machine Co. of Montreal. Locomotive and Machine Co. of Montreal. Locomotive (Steam)	American Asphaltum & Rubber CoChicago, Ill.	Garden City Sand CoChicago, Ill.
Works. Philadelphia, Pa.	Paints, Mineral Rubber American Asphaltum & Rubber CoChicago, Ill.	Saw Steel Montreal Steel Works
Canadian Locomotive WorksPhiladelphia, Pa. Label Machine Co. of Montreal. Label Locomotive WorksPhiladelphia, Pa. Label Locomotive WorksPhiladelphia, Pa. Label Locomotive WorksPhiladelphia, Pa. Label Locomotive Co	Paints, Structural Iron	Scrapers (Wheel and Drag)
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Resident Locomotive Works Philadelphia, Pa. Rosenton Locomotive Co Kingston, Ont. Line Locomotive Co Kingston, Ont. Line Locomotive and Machine Co Line, Ohio. Montreal. Locomotive and Machine Co Line, Ohio. Saxon Bragin Alphane Co. of Montreal.	The N. L. Piper Railway Supply Co Toronto.	Toronto Bolt and Forging Co Toronto.
H. Hobkins & Co Kingston, Ont. Loomotive and Machine Co Lima, Ohio. Locaton Montreal. Locaton Brigine Works. Chemitz, Germany	Pipe Erie Heating Co	Semaphore Arms Acton Burrows CoToronto.
Machine Co., Lima, Ohio.	Pipe and Pipe Coverings	Semaphores
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Carlos City Sand Co	The John Bertram Sons Co	Shaping Machines The John Bertram Sons CoDundas, Ont.
Montreal.	Ploughs, Contractors' W. H. C. Mussen & CoMontreal.	Ship Lamps
John & Serence Montreal.	Porter	The N. L. Piper Railway Supply Co Toronto. Ships
Regime WorksChemnitz, Germany. Montreal.	E. L. Drewry	Canadian Shiphuilding Co.
Screw Co Ingersoll.	Portable Bollers Babcock & Wilcox (Ltd.) Montreal.	Shovels
Marine Screw Co Ingersoll. Milwaukee, Wis. Milwaukee, Wis.	Canada Foundry Co	F. H. Hopkins & Co
Machine Screw Co Ingersoll. Marine Milwaukee, Wis. Milwaukee, Wis.	Portland Cement	Side Bearings
Milwaukee, Wis.	Thorn Cement Co	Simplex Railway Appliance CoMontreal
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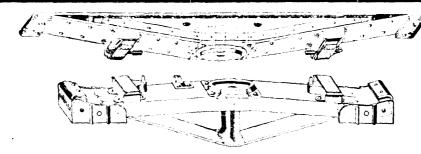
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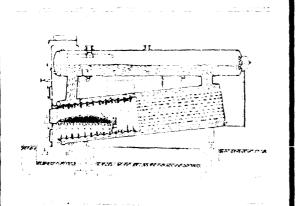


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