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## Canadian Northern Ry. Construction, Etc.

Quebec and Lake St. John Ry.—A contract has been signed, under the act granting aid to certain railways, between the Dominion Government and the company for the construction of a line from the 35th mile of the La Tuque branch to La Tuque Falls, not to exceed five miles.

Canadian Northern Quebec Ry.-During 1909 the company completed its cut-off from Garneau to Quebec, 78 miles, thus giving it its own independent entrance into that city. It-also constructed a branch from St. Jacques to Rawdon, Que., bringing into communication with Montreal one of the oldest settled districts to the north. A railway connection with Rawdon was first promoted in 1856, but nothing was done, and the district lay unopened. company is operating a train service over the line from Hawkesbury to Ottawa, about 58 miles, which line, however, forms part of the mileage of the Canadian Northern Ontario Ry. Northern Ontario Ry.-In

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## Canadian Northern Ry. Construction, Etc.

Montmorency branch connects with the main line half-a-mile north of Hedley-lile Jct., Que., and extends to the Montmorency Lumber Mills, about 1.5 miles above the falls. The branch is approximately 7.5 miles and it has been constructed particularly for the handling of pulpwood for the lumber company. About 3,000 cords have been shipped since the line was opened, and it is expected to ship about 20,000 cords a year.

Plans are said to be under consideration for the construction of a terminal station in Montreal. Three or four schemes are spoken of, one of them being for the purchase of the old jail at the corner of Notre Dame St. and Deforimier Ave., and its utilization, and another for an uptown site. The advantage of the old jail site is its proximity to the river front.

Canadian Northern Ontario Ry.—An

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## Canadian Northern Ry. Construction, Etc.

Canadian Northern Quebec Ry.—The question of the reconstruction of the elevator at Quebec has been under consideration, and it is said that it has been definitely decided not to utilize the site of the burned structure. A proposition is under consideration to utilize a site at Cap Rouge, in connection with the laying out of the company's proposed new yards. The suggestion is that the elevator be constructed on the brow of the promontory with the loading spouts inclined toward the cove, which would be dredged so as to accommodate steamers of large tonnage. The question of the vards at Quebec is also under consideration, the general idea being to centralize the Quebec yards and freight stations at ('ap Rouge.

In connection with the recent construction of a branch from the main line through Limoilou to the Montmorency River, the Board of Railway Commissioners, Nov. 10, ordered the demolition of seven miles of grading on the ground that work had been started without the Board's consent. The municipality of Beauport objected to some road crossings and brought the matter to the

Board's attention.

Canadian Northern Ontario R

## Canadian Northern Ry. Construction, Etc.

Quebec and Lake St. John Ry.—A contract has been signed, under the act granting aid to certain railways, between the Dominion Government and the company for the construction of a line from the 35th mile of the La Tuque branch to La Tuque Falls, not to exceed five miles.

Canadian Northern Quebec Ry.-During 1909 the company completed its to Quebec, 78 cut-off from Garneau miles, thus giving it its own independent entrance into that city. It-also constructed a branch from St. Jacques to Rawdon, Que., bringing into communication with Montreal one of the oldest settled districts to the north. A railway connection with Rawdon was first promoted in 1856, but nothing was done, and the district lay unopened. a train service company is operating over the line from Hawkesbury to Ottawa. about 58 miles, which line, however, forms part of the mileage of the Canadian Northern Ontario Ry. Northern Ontario Ry.-In follo foun Th issue

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one of the directors, completed a trip of inspection over the La Tuque branch, Sept. Quebec and Lake St. John By.—D. B. Hanna, President, and Z. A. Lash, K.C. 30. The Government Inspector went over the branch subsequently, and it was expected that a regular train service would be placed in operation by the end of Oct. from Quebec and extends to the La Tuque Falls of the St. Maurice River. The branch leaves the main line at a point

Saskatoon, Saskatchewan, Peace River and a limition will be made October 1907

Quebec and Lake St. John Ry.—With the completion of the La Tuque branch; and the addition of 1½ miles to the Gosford branch to Clark's, the Q. and L. St. J. R. added 13½ miles to its length during 1907, bringing its total mileage up to 296½, divided as follows: Quebec to Roberval, 188 miles; Chambord Junction to Chicoutini, 51 miles; La Taque branch, 52 miles; Gosford branch, 5½ miles. A subsidy contract was entered into between the Dominion Government and the company in respect of the construction of railway for 35 miles from the company's line near River Jeannotte to La Tuque, on the St. Maurice River, Quebec. This contract

wante the way par well

Ouebec, Montreal and Southern Ry -The

covers the La Tuque branch, which has been

opened for traffic. (Nov., 1907, pg. 831.)

MARCH 1908

## Canadian Northern Ry. Construction.

Canadian Northern Quebec Ry.—Application is being made at the current session of the Dominion Parliament for an act authorizing the construction of a line from near St. Jerome to St. Eustache, Que., and authorizing the company to construct or otherwise acquire a line from or near Ottawa, via Hawkesbury to Montreal, branching on Montreal Island to enter Montreal from both the northeast and the southwest.

Considerable progress has been made with construction on the cut-off from Garneau to Quebec. On the western division track has been laid from Garneau to the Batiscan River, and from Lachevrotiere west to the St. Ann River, 18.14 miles. The material for the superstructure of the bridge across the St. Ann River is being delivered. This bridge consists of four 90 ft. deck-plate girders. On the eastern division, 2.5 miles of track has been laid from Lachevrotiere easterly, and considerable grading done. The grading on the loop at Quebec has been completed.

The St. Jerome-Montford branch which connects the main line with the old Montford and Gatineau Colonization Ry., which was opened for traffic in Sept., 1907, is 15.2 miles long. The stations and freight sheds at St. Jerome and Shaw Bridge have been completed. Bridges have been completed at all points except at the first crossing of the North

River.

Canadian Northern Ontario Ry.—During

MARCH hos

approximate area of the same so that the obtained that are specified for. It ir gauge the test piece, and so secure ting rooms and to see the machine opernot uncommon to go into the various is good as it was years ago, but there are sical quality of castings the first thing s made a few years ago. In testing the rsical testing that practically any results h divers methods of taking pieces for se which were made even 10 years ago, necessary to produce the results required can figure in his mind the load that will steel castings of the present day with classes of steel manufacture. verdict certainly is in favor of the castthe specification. It does not materiremarks is that the ultimate strength The same argument applies to Compar-

DIE vould admit of the proper amount of mef rolling direct from the initial heat. This ained by the use of reheated ingots, instead escriptions of steel having soft to medium ecturers. These three things apply to all ature of the working to which it is subsoling. The quality of steel depends upon IV , was obtained. This would mean that timate strength of about 500 lbs. per sq dically interfered with. From a large ualities. Better results would be obcted, and the care taken by the manuree things, the material selected, urbon which it contains, and the rate of 51.5 wer and higher speeds an increase in is matter, I have found that between the imber of tests that I made in looking into it has been reached, the results can not be y matter whether the machine is run at ined by two things, the proportion of or 3 inches a minute after the elastic hanical work being given before the temtest-piece within reasonable limits be made to pass the specification The physical value of steel is deter-

## Quebec and Lake St. John Railway.

tion to those published, in our June issue: to the operation for the year 1906, in addi-Following are faces and figures relating

viz., Main line, Quebec to Roberval, 189 miles; Eastern Extension, Chambord to miles; from Valcartier towards Cosford, \$1 pany's trains during the year was 240 miles. tion is: Prom Jeannotte to La Tuque, 40 der construction and approaching comple-Chicoutinu, 51 miles; and the mileage ungross earnings and expenditures are as follows: against \$175,796 in the previous year he accounts show net earnings of \$108,300 Wharf, I mile; total, 2861/2 miles. The traf-The total mileage operated by the comfrom Roberval to the Covernment

Net carnings	Expenditure	maintenance, Riviere a Pierre Junction Oucher dock receipts	of offices Northern Ry, rintal	Express, telegraph, parlor and sleeping cars.	100	
\$198,300	\$607,749	1,215	308	15,156 24,593	\$179,067	Section X
\$198,300 \$175,796	\$56.1,858 388,062	2,053	400	25,714	340,711	

as compared with 57 8-10 cents in 1905. fuel consumed during the year was \$84,as against \$167,320 in 1905. The cost of pared with 370,347 in 1905. and per ton of freight \$1.011/2 us compared 280, against \$83,702 in 1905. the year 1906 was 379,469 miles, as comwith \$1.01 in 1905. The train mileage for The pay lists for the year were \$177,172 The average

> Interest on first mortgage bonds. Ass., 95) at 5%. Interest on prior lien bonds, £125,000

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PROFIT AND LOSS ACCOUNT.  Balance from 1908. Averaged interest on prior lical hours. All 500 sold in 1906. Not earnings for year ended Dec. 3151, 11906.	Profit and loss account prior to reor- gamization (expended in bettermts.) Profit and loss account	her Ousbee hance on all proplance on Tuques	Bills payable: Car trust and better ment notes. La Tugne and Cos- ford branches Se- cured by land grant and subsidies. Other notes.
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\$ #6,900.76	\$193,989,22	4,820,00	7. 1.	A. A. S.

St. Mary's and Western Ontario Ry.—Three gangs of men and 50 teams are reported to be at work between Embro and St. Mary's, Ont., work being started July 9. (June, pg. 409)

The Toronto Auto-Transit Co has been incorporated under the Dominion Companies. Act, with a capital of \$145,000 and offices at Toronto, for a variety of purposes including the transportation of passengers, or cluding the transportation of passengers, or baggage and merchandise from one place to another. It is given power to enter into contracts with railway and express companies steamboat companies or owners, and owners of all other classes of conveyances, for the conveyance of passengers, baggage and merchandise: to acquire steam and other vessels, etc. The provisional directors are C. W. Verral, G. W. Verral, ir: C. E. Verral, Miss S. Elliott, and Jas. Balsdon, Toronto.

of Societe Canallienne d'Entreprises Generobject of constructing for itself or others ales a Responsabilite, Limitee, a capital of the Dominion Companies' Act, with the title including means of transportation by land ment of hydraulic and electric powers telegraph and telephone lines; the developwith the building of railways, tramways works of all kinds, and specially in connection \$500,000 and offices at Montreal, with the relating to the business of the company treal; H. Bie gan Falls, Que and water, wharves, docks and warehouses. Dandurand, M. Chevalier, L. Bieque, Mon-A company has been incorporated under provisional directors are: Hon. R Biermans, B. Leman, Shawini

> August 1907

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## Canadian Northern Ry. Construction, Etc.

St. John Valley Ry .- G. G. Ruel, Assistant Solicitor Canadian Northern Ry., and A. F. Stewart, of the engineering department of Mackenzie, Mann & Co., Ltd., spent some time recently in visiting the various points in the St. John Valley to be reached by the projected line for which the New Brunswick Legislature has approved a guarantee of bonds to the extent of \$15,000 a mile. route looked over near Woodstock was that of the projected Woodstock and Centreville Ry,, which for a great part of the distance parallels the public highway. About onehalf the distance was graded years ago. It is expected that engineering parties to locate the route will be sent out in the course of the summer.

Canadian Northern Quebec Ry.-D. D. Mann, Vice-President C.N.R., completed a trip of inspection June 10 over the lines of the C.N.Q.R. and of the Quebec and Lake St. John Ry., in the latter of which a controlling interest has been acquired. The question of the extension of this line from Roberval to the mining belt of the province, about 200 miles, is said to be under consideration. The question of the erection of car shops for the company's lines in the province is also said to be under consideration, but it is understood that the principal shops will be located at Longue Pointe, Montreal, where a large area of land was recently acquired. Northern Ontario Ry. - The ques-

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A CTILL OF THE PROPERTY OF THE THE WASHINGS HINGER Calinean branch was expected to be in prox-CONTRACT. SING TO SCHOOL IN TOTAL TO Teing made Tracklaying on the line from TOUR CHIEF THE PRINCE 

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## Quebec and Lake St. John Ry.

The directors' report presented at the annual meeting held in Quebec, May 10,

contained the following:

The number of passengers carried during the year was 325,639, and the number of tons of freight 367,879. In the previous year the figures were 301,725 and 346,011 freight consisted of the following number of car loads: cordwood, 1,124; pulpwood, 3,308; sawn lumber, 4,143; square timber, 560; ties, 812; pulp and paper, 1,427, brick, and stone, 259; cheese, 78; grain, 329; general merchandise, 5,914: total, 17,954.

The construction works on the branch line to La Tuque have been carried on by the contractor, I. Paquet, and by his sub-con-0 tractors, O'Brien & Fowler, with a large force of men during 1906, and also during the The work has exceeded the estimates very largely, owing principally to a great 1 deal of rock being found where test pits have led the engineers to expect earth and gravel 11 Track is now laid to mile 30, and the grading 10 thence to beyond mile 39 is almost completed, so that trains should be running to La 111 Tuque not later than July next, and possibly earlier. The contractor is running regular nt trains to the end of the track, and the construction of the National Transcontinental 1., d. Ry, having been commenced at La Tuque, men and material for this work are now 15being sent forward over the Q. & L. St. J. at The water power at La Tuque has been purchased by a syndicate of U.S. paper mill maner. ufacturers, who have also purchased from the 111 company the land grant of 158,000 acres given by the Provincial Government to aid anthe construction of the branch to La Tuque Rv. The same purchasers have also acquired a Ph. large area of timber limits on the St. Maurice River, and have contracted to furnish the

... there with not less than 4,000 carloads of

JUNE 1907

large area or come -River, and have contracted to furnish the railway with not less than 4,000 carloads of freight annually for the next nine years. The branch line from Valcartier towards Gosford is being continued for a further distance of a mile, which will make the length of this branch 51/2 miles. A considerable quantity of freight has been delivered at the end of the line, and only awaits the track to be brought to market. The branch line from Roberval to the Government Wharf on Lake St. John, a distance of about one mile, has been completed and was inspected by the Government engineers in Dec. last expected that this branch will be of great use in belping the steamboat navigation of Lake St. John, and thereby developing the territory on the north and west sides of the lake. The balance remaining unissued of the authorized issue of (500,000 of prior lien bonds has been disposed of during the past year, and has been and is being expended in the construction of the La Tuque, Gosford and Roberval Wharf branches, and also upon betterments on the main line. The ballast-11 ing of the main line from Lake Bouchette 1to Lake Edward was completed last vear, and also a portion of the ballasting south of 7-Lake Edward. Concrete and steel bridges have been constructed at the Rondeau and Jacot Rivers. The new dock at Quebec for the accommodation of canal boats and other 11 light draught vessels has been completed. 1., This dock is 700 ft. long, and is proving of very great benefit in accommodating the 11export trade of the railway. The yard at nt Quebec in rear of this dock has been nearly filled up, tims giving the railway a considerat able increase in its vard accommodation. pulp and cardboard mills and saw mills at (0. the different points on the railway continued nt. to be operated during the past year, and logs have been got out during the past winter to it, furnish them with a considerable increase of ice business. The colonization movement to the Lake St. John country has made satisfactory ent progress, and the Dominion Government is taking an active interest in this work, having пσ.,

JUNE 1907

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appointed a special agent to supervise it at Quebec. The board have pleasure in handing over to their successors in office a road in excellent physical condition, well equipped with rolling stock in a good state of repair, and controlling a steady and increasing volume of traffic.

Following are the officers and directors for the current year: President, D. B. Hanna, Toronto; Vice-Presidents, G. Lemoine, Quebec; Z. A. Lash, K.C., Toronto; other directors: F. C. Annesley, W. H. Moore, A. J. Mitchell, F. Nicholls, Toronto; J. T. Ross, E. Beaudet and Senator Tessier, Que. The following are representative directors: J. G. Garneau, as Mayor of Quebec; Hon. Judge Gagne, representing Chicoutimi, and G. Tanguay, M.P.P., and Senator Choquette, representing Quebec Province

It will be noticed that a number of changes were made in the directorate, consequent on the control having been secured by Mackenzie,

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and teams, and the grade at the rate of a scarcely enough for a mile at present at ing with the 110 miles of steel laying, and much easier than through the Eagle Hills. nong this big gap are many gangs of men almost enough to land them at the other end Asquith, but the supplies of ties on hand is that is that they have not the steel. There is There is but one reason to prevent proceednile a day is being built. The work is ore Battle River is reached. Scattered mished, there remains 109 to be done belaying it will be resumed from Asquith. In the steel in he believes that the work of of the grade. ake them. West of 110 mile ridge being anced that the steel men could not overteel. As it is the grades are so far adhe long strip will be entirely ready for in by the construction foreman, McTaggart, to the C.P.R. bridge at Saskatoon." will be put to work building the approach the meantime the big steam shovel brought As soon as it is possible to get

let to John Gunn & Sons, Winnipeg, Man., dation work will be supplied under a sepover the Belly River at Lethbridge, Alta the concrete substructure of the new bridge for the construction of the abutments and The concrete piling to be used in the foun-Belly River Bridge. - A contract has been

arate contract. is being constructed over the Columbia-River at Revelstoke, B.C., replaces a wooden cribs, and 250 ft. of trestle approaches. Howe truss spans resting on rock filled through, one 100 ft. and one 120 ft. deck sisting of three 150 ft. deck, one 150 ft. structure approximately 1,070 ft. long, concrete piers and abutments. There will be and two 40 ft, deck plate girder spans. The spans, two 100 ft. deck plate girder spans, four 150 ft, deck and one 150 through truss The new structure will be of steel on con-Revelstoke Bridge. The new bridge which and hains built on the present

## Quebec and Lake St. John Railway.

train which carried the official party over traffic Aug. I. The locomotive drawing the aux Pins Valley, 5.75 miles, was opened for speech at the public dinner, with which the event was celebrated, J. G. Scott, General Lorette to Clark Settlement in the Riviere wooden railway in 1872. In the course of his which was the first to run on the old Gosford the branch was the E. Beaudette engine no. 1. completion of a work begun in 1870. I purpose of maugurating a work which is the Manager, said: "We are met to-day for the with the aid of J. B. Renaud, J. Ross, Hon. P. Garneau, H. Pry and others who have by Quebec capital raised with much difficulty by Sir Henri de Lotbiniere and M. W. Baby, refer to the Gosford wooden railway, built services of J. B. Hulbert in the same way as we 13 years later secured the services of another U.S. citizen, H. J. Beemer, to build with regard to the main line, the promoters since gone to their rest. As happened since of 1870 had to rely upon the energy and the financial plack of a U.S. citizen to build the road as contractor and they secured the ed by local engineers—the late C.A. Scott, the main line. Mr. Hulbert was ably seconduntold benefit to the city of Quebec. When ly, the Lake St. John Ry., which has been of struction of a much larger public work, name-It was not a success, but it caused the con-The Gosford branch, extending was found that the Gosford end of the road the Lake St. John road was undertaken it Stocking, and the wooden railway was built Gosford reverted to its primeval solitude. But the wealth of timber contained in the was unsuitable for a through line, and the . Sullivan, H. O'Sullivan, and the late Mr. construction of a branch line from Valcartier commanded attention, and the result is the settlements isolated in the valley of the Riviere aux Pins township of Gosford, and the large population known as St. Gabriel West, 110111

the St. Maurice. If Quebec people will comrivers in the Province the Saguenay and and of the lumber trade of the two greatest out 'all aboard for James Bay,' and Quebee it will not be long before we will be calling hine again even in a small way, as before, ready secured." larger and richer than what we have al will then have secured another back country May, pg. 327).

## Canadian Northern Ry. Earnings, etc.

Gross earnings, working expenses, net profits, in-

\$7,401,100	June, 963,100					Nov. 74. Too	Sept. 534,400		LIVE COSSOC	
100 \$5,375,100		000 512,500		600			2.00.41.00.		8	Expenses.
S2,118,000	334.900	358,100	94,000	0.400	A 0000 Kg		744,400	0.00	\$ 405.460	Net Earnings.
\$ 200, 000		145,500	:	1	5.200	33,32	56,500+	0.1	40 20 14 3	Degresso.

Approximate earnings for July \$949,500 against \$603. 800 for July, 1906.

## C.P.R. Earnings, Expenses, etc.

creases or decreases over 1905-6, from July 1, 1986; Gross earnings, working expenses, net profits, in-

Jan., 4,205,527,07 Feb., 4,268,266.74 Mar, 6,132,010.76 Ty \$5,067,007 82 \$3,506,135,74 \$2,371.811.28 \$734.031.42+
Aug. 6 176.452.47 1707.873.07 2.152.579.20 676.933.99+
Sept. 6.152.76715, 3.714.835.52 2.175.931.63 661.021.38+
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Dec. 5.045,605.18 177-160.34 2-205.394.34 May. 5.337, 135, 20 June. 5.817, 714, 44 Apl., 6,391,361,39 1,887,190 to 1.402 (KAK) 1 2.415, 100.48 4,024,035,53 4,417,777,10 Expenses. 2,510,358 01 Not Profits. Decrease. 2, 245, 7, 10, 22 718,900.41 85 A 88 05 401,071.72+ \$83,755.00 T 177 030,52 3 \$1.505.38 Increase of 24. W. 142

\$5,881,000 for July, 1906. \$72.217.527.64\$40.414.218 83\$25.304.308.81\$2.309.95.18-Approximate earnings for July \$6,000,000 against

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construction of a branch line iron: vaicarties station to Gosford, the first section of which we are inaugurating to-day. Not only will this branch be valuable in exploiting the splendid hardwood lands of the township of Gosford, which will furnish an abundant supply of square birch and other timber for . export at Quebec, and the best quality of fuel for the city of Quebec and for the rich parishes of Lorette, Charlesbourg and Beaupost which are running short of fuel, but it will also remove from their isolation the hardy farmers of St. Gabriel West, several hundred families in number, who now cultivate the fertile lands of the Riviere aux Pins Valley, separated from civilization by a high range of mountains. For the farmers living on the north side of the Jacques Cartier River there is no bridge to cross that river for a distance of 20 miles from Valcartier to Pont Rouge. This is a terrible inconvenience, but it is going to be remedied by means of the very work we are inaugurating to-day, because one of the conditions upon which the Provincial Government has subsidized this branch is that the railway company shall construct a carriageway alongside of its bridge over the Jacques Cartier, and I have no doubt the Dominion Government will make the same stipulation when it grants its subsidy. But this section of this Gosfard branch which we are inaugurating to-day is not all that has to be done. This branch must eventually be extended in one direction to the end of the settlements in the Riviere aux Pins Valley, and in the other to the first or second range of the township of Gosford in the direction of Lake Sept Isles, through lands capable of supplying enormous quantities of hardwood timber. "A capital of \$100,000 raised by Sir Henri de Lotbiniere and his associates for the Gosford Rv. has resulted in an expenditure of \$10,000,000, and in the commercial salvation of Quebec through the control of a great back country

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September 1907

(July, 198. 470.)

vante to its point of intersection with the Ouebec and Lake St. John Ry., near Lake Souchette, about 11½ miles, all the rights and interests of the Pulp Co. under the Doto the act set out the property affected by the arrangement. This include all rights to connect its works at St. Andre de l'Epouand interests of the Pulp Co in a railway it to \$1,000,000. The schedules attached but the shareholders have power to increase August 1907 and a syndicate for the reorganization of the company was confirmed, and its name was changed to that of the Metabouchouan Metabourchmuan Pulp Co. By an act passed last session of the Quebec Legislature the agreement between the shareholders The capital was reduced to \$158,000.

# Canadian Northern Ry. Construction, Etc.

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State of the first of the state CHIEF I THE POLOSEN TO NOT THE PROPERTY OF THE on from Carment Innerion, and is expected to be completed this vear. The current is Charles Carries of the Carries of the Carries into Quebec. The work is being curried Laving is reported to have commenced on the cut-off from near Garmeau Junction 

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## Canadian Northern Ry. Construction, Etc.

Canadian Northern Quebec Ry .- The question of the reconstruction of the elevator at Quebec has been under consideration, and it is said that it has been definitely decided not to utilize the site of the burned structure. A proposition is under consideration to utilize a site at Cap Rouge, in connection with the laying out of the company's proposed new yards. The suggestion is that the elevator be constructed on the brow of the promontory with the loading spouts inclined toward the cove, which would be dredged so as to accommodate steamers of large tonnage. The question of the yards at Quebec is also under consideration, the general idea being to centralize the Quebec yards and freight stations at ('ap Rouge.

In connection with the recent construction of a branch from the main line through Limoilou to the Montmorency River, the Board of Railway Commissioners, Nov. 10, ordered the demolition of seven miles of grading on the ground that work had been started without the Board's consent. The municipality of Beauport objected to some road crossings and brought the matter to the

Board's attention.

Canadian Northern Ontario Ry.-

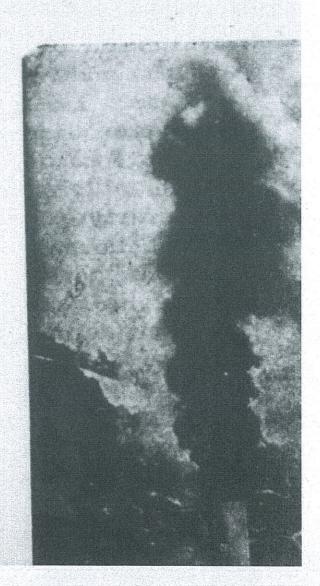
done this year owing to the neavy trame.

Analysis of Canada.—Col. Mc-Naught, vice-president, says the Co. is going to build 60 miles more of its line in the immediate future, but is not ready to say just where at present. There will also be a short line connection with St. Jacques, which will make connection at the Ottawa end more direct.

The Quebec Harbor Commissioners are authorized by an act passed at the last session of the Dominion Parliament to guarantee the interest for 20 years at 3%, on bonds to be issued by the G.N.R. Co. to the extent of \$200,000, to be known as the Quebec Elevator

bonds, as set forth in the contract dated June 30, 1899, between the Ry. Co. and the Harbor Commissioners.

The charters of the Montreal Terminal Ry, and of the Chateau-guay and Northern Ry, have been acquired by C. Magee and D. Murphy, of Ottawa, and H. Melville and Col. McNaught, some of whom are connected with the Great Northern Ry, of Canada. The first named is a street railway, and the carand is a steam rail-



with the Great Northern Ry, of Canada, The first named is a street railway, and the second is a steam railway, having a Dominion charter to construct a line from Montreal to Joliette on the G. N. R., 37 miles. A Dominion subsidy of \$150,000 towards the construction of bridges at Bout de l'Isle, and a subsidy of the like amount towards the cost' of the railway have been given. The plan for the bridges have been approved of by the Government, and F. A. Hibbert, of Ottawa, has been engaged to superintend their construction.



SUMM

The bridge over the west channel is 1,594 ft. long, while that over the east channel is 1,114 ft. long. In addition to the railway tracks there will be a 10 ft. roadway on either side for carriages and foot passengers.

Great Northern (U.S.A.)—The extension of the terminal facilities of this Co.'s subsidiary, the Red Mountain Ry, at Rosslands R.C. has been commenced and will be com-

N SOM PK: 115. (Set 1) 

part of a projected line 15 miles in length in E. Conway, Oue 

crease or wropper

Great Northern Ry. of Canada.-The report presented at the recent annual meeting at Quebec pointed out that since the opening of navigation in 1901, notwithstanding the almost unprecedented stagnation in the grain trade, a continuous business in grain shipments was carried on over the railway and through the Co.'s elevator. Up to the end of Oct. 17 large steamships were loaded, besides two steamers previously loaded in Montreal, which were obliged to unload and reship their cargoes at Quebec. All those steamers were loaded with full cargoes without any detention whatever, had rapid despatch, and took, besides grain, large quantities of flour, lard, dressed meats, pulp, paper, pressed hay, live stock, furniture wood, deals and other goods. The Co. loaded the largest cargo that has ever been shipped from the St. Lawrence. The Leyland Steamship Line is furnishing a very satisfactory service of large modern steamers, running between Quebec and London in connection with the railway. Negotiations are in progress for other lines to Manchester, Liverpool and other ports for next season. The local traffic of the railway is most promising. The great manufacturing industries at Grand Mere and Shawenegan Falls are already giving the railway a large quantity of freight, and when

February 1902 P59

Tallway. 1165000 other lines to Manchester, Liverpool and other ports for next season. The local traffic of the railway is most promising. The great manufacturing industries at Grand Mere and Shawenegan Falls are already giving the railway a large quantity of freight, and when the new mills now under construction at the latter point are completed a very heavy traffic may be looked for. The railway is also receiving a most satisfactory business from the other towns along the line, and from the rich agricultural country through which it runs. The receipts and operating expenses demonstrate a healthy condition of things for a railway yet in its infancy. The report of the Chief Engineer, A. E. Doucet, sets forth the physical condition of the road and the very considerable improvements and betterments which were carried out during 1901.

The directors for the current year are: President, Hon. P. Garneau, Quebec; Vice-Presidents, J. McNaught, New York; H. H. Melville, Boston, and V. Chateauvert, Quebec; other directors, J. T. Ross, Hon. J. Tessier, J. G. Scott and E. Ling, Quebec; W. L. Bull, New York; J. Joyce, Boston; H. E. Mitchell, Philadelphia, and Hon. S. N. Parent, Mayor of Quebec, ex-officio.

and post Stanley Ry. - After ex-

Tom Valcardor to St. Cathorinos, 4 lates. CICCLEST, and that I was expected the line Jacques Carlier river, which was in course of had been completed, with the exception of Would be observed over the ent-off by the entof Jan. (Dec., 1901, PK. 35%) 

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January 1963

missed the action with costs.

Great Northern of Canada. - Some changes have been made in the official list, Hon. P. Garneau, Quebec, retains the Presidency; Hon. J. Sharples, heretofore Vice-President, becomes 1st Vice-President; Col. J. Mc-Naught, New York, has been elected 2nd Vice-President, & H. H. Melville, Boston, 3rd Vice-President. J. G. Scott continues as Secretary & General Manager. E. Ling has been appointed Treasurer. Fifty-year 5% gold bonds, to the amount of \$6,000,000, have been authorized at the rate of \$20,000 a mile. Bonds covering 171 miles from Quebec to a junction at Hawkesbury with the Canada Atlantic, have been deposited with the Central Trust Co., & will be sold on completion of the road. The authorized capital stock is \$3,000,-000, all common, of which \$2,000,000 has been issued. A 10 year contract has been made with the Canada Atlantic for interchange of traffic on a mileage basis. The Co. has been granted the use of the Government docks at Quebec, & all steamships run in connection with the road will be exempt from harbor, port & other dues for 5 years. See also under "Railway Development."

The appeal in the case of the G.N.R. Co. vs. Campbell came before the Supreme Court at Ottawa May 7. The appeal is against two judgments of the Court of Review at Montreal affirming judgments for \$14,700 in the Superior Court against the Co. on three promissory notes, of which payment is disputed on the ground that they were given without consider-

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The appeal in the case of the G.N.R. Co. vs. Campbell came before the Supreme Court at Ottawa May 7. The appeal is against two judgments of the Court of Review at Montreal affirming judgments for \$14,700 in the Superior Court against the Co. on three promissory notes, of which payment is disputed on the ground that they were given without consideration or proper authority in connection with the construction of a line of railway from St. Andrews to Lachute by C. N. Armstrong, a contractor, who undertook the work in 1891,

after the Co. had abandoned the scheme.

## Chicago and Western Indiana Road

at Montreal, July 24, there were present Counsel, C. & W.I.Rd.; G. B. Reeve, 2nd Vice. President Thomas and E. A. Bancroft, Genera dent, G.T.R.; President McDoel, and G. W. President, and F. W. Morse, 3rd Vice-Presi-Kretzinger, General Counsel, Chicago, Indianapolis and Louisville Rd.; President Underwood and O. W. Johnson, General Counsel. gett, Ceneral Counsel, Wabash Rd. The ob-Eric Rd.; President Carpenter and O. S. Lypel the road to elevate its track between 16th was to be done in order to comply with the ject of the meeting was to confer as to what Illinois Rd.; President Ramsay, and Col. Blod ford, General Counsel, Chicago and Eastern decision of the Chicago City Council to comand 23rd streets in that city. The work the negotiations, which involve a multitude of doubtless be undertaken at an early date, At a meeting of the directors and officials

Y

The C. & W.I.Rd. has 16.99 miles of line from Polk st., Chicago, to Dolton, Ill. It has 18.38 miles of branches, and its second, third and fourth tracks and sidings make the total track 218 miles. It owns over 850 acres of land in Chicago, used for right of way, switches and transfer yards, etc., and for stations leased to various companies. The belt division and the Indiana elevator are leased to the Belt Ry. Co. of Chicago, and the rest of the property is leased conjointly by the Chicago and Eastern, the Wabash, the Chicago and Grand Trunk (now the Grand Trunk Western), the Chicago and Erie, the Chicago, Indianapolis and Louisville (each owning \$1,000,000 of the capital stock), the Atchison, Topeka and Santa Fe, and the Elgin, Joliet and Eastern companies, the lessees paying all expenses of operation and maintenance on a mileage basis. The leases are all covered by the mortgage as additional security.

\*details, have not been finally closed, though it is expected an agreement will be arrived at within the next few weeks. It is said the cost of elevating the road is estimated at about \$6,000,000.

The C. & W.I.Rd. has 16.99 miles of line from Polk st., Chicago, to Dolton, Ill. It has 48.58 miles of branches, and its second, third and fourth tracks and sidings make the total track 218 miles. It owns over 850 acres of land in Chicago, used for right of way, switches and transfer yards, etc., and for stations leased to various companies. The belt division and the Indiana elevator are leased to the Belt Ry. Co. of Chicago, and the rest of the property is leased conjointly by the Chicago and Eastern, the Wabash, the Chicago and Grand Trunk (now the Grand Trunk Western), the Chicago and Erie, the Chicago, Indianapolis and Louisville (each owning \$1,000,000 of the capital stock), the Atchison, Topeka and Santa Fe, and the Elgin, Joliet and Eastern companies, the lessees paying all expenses of operation and maintenance on a mileage basis. The leases are all covered by the mortgage as additional security.

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St. Lawrence Subdivision Revisions.— Contracts have been let for clearing. fencing, grading and building trestles, culverts and bridge substructures, on the following deviations of main line on the St. Lawrence Subdivision, Canadian Northern Quebec Ry. as follows:-Burril deviation, between Glenada and St. Boniface, mile 87.6 to 91.6; East Yamachiche deviation, between St. Boniface and Charette, mile 94.82 to 96.3; St. Ursule deviation, between Fremont and St. Justin, 110.15 to 114.89; to Angus Sinclair, contractor, Toronto; St. Paulin deviation, between Charette and St. Paulin, mile 101 to 104.6, to V. T. Bartram, contractor, Toronto. Full information as to the objects of these deviations, their character, etc., was given in Canadian Railway and Marine World for July

Charney to Quebec Bridge.—A press report states that a contract has been let to J. R. O'Neil for building a line from Charney, about 8 miles east of Levis, Que., to the Quebec Bridge, and that work has been started.

Quebec District Structures.—A press report states that a contract has been let to W. M. Fletcher & Co., Toronto, for the erection of 8 concrete bridge and other structures at points on Quebec District.

Forfar to Findley, Ont. - A recent

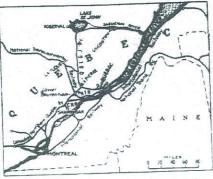
## Location Betterments on Canadian National Railways.

By Henry K. Wicksteed, B.A.Sc., Chief Locating Engineer, Canadian National Railways.

Present construction and studies for location betterments on the Canadian Na-tional Rys. may best be understood by a brief review of early railway building on the Canadian Northern. The principal brief review of early railway building of the Canadian Northern. The principal component of the lines composing the Canadian National Rys. System is that of the Canadian Northern. This was financed, designed, and built, as every-one knows, by the firm of Mackenzie & Mann, both members of which were not-only very able business men and finan-ciers, but had had a long previous exper-ience in contracting on the Canadian Paience in contracting on the Canadian Pacific, and an absolute confidence in the resources of Canada and its future. They knew personally a great many of the older engineers, and others who had been identified with the construction of the older road, and they gathered about them a number of these men who knew the topography of Canada as no one else could know it, and the weak points of the older roads as well as the strong. the older roads as well as the strong. Under these circumstances it is not surprising that the Canadian Northern, from Montreal and Toronto to Vancouver, has the reputation of being the best long distance line on the continent in proportion to cost, and the best on this continent from an economic point of view means the best in the world. Some day justice will be done to the extraordinary talent will be done to the extraordinary talent and vision of these two men. Public opinion is even now swinging round in that direction.

The successful man has always a great crowd of detractors, but as a successful man remarked to me a few days ago, it is easier to make and keep a reputation than to do things. These men attempted the impossible and

tions for some 25 miles between Toronto and Ottawa. Grades of 1.5% were reduced to 0.5%, while the other construsduced to 0.5%, while the other construs-tion was going on, and finished simul-taneously, the stations being left in their original positions, and the existing busi-ness of the line being left undisturbed. A still more important link in the main chain between Montreal and Quebec was the Greet Northern of Canada appropriated the Great Northern of Canada, completed



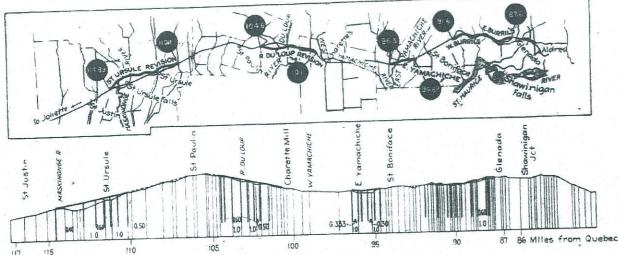
Canadian National Railways Lines in the District.

about 1900, and itself composed of older roads coupled together. It extended originally from Hawkesbury, on the Grand Trunk, 60 miles east of Ottawa, to Riviere a Pierre, on the Quebec & Lake St. John, and was intended as an overflow route for the somewhat heavy flow of grain then going east from the Georgian Bay at Parry Sound to Quebec. One

sated to 0.60% compensated. vided for nearly one half the distance be-tween Quebec and Montreal, and two fifths of that from Quebec to Hawkes-bury. Nine miles of the remainder was bury. Nime miles of the remainder was taken up by a sharp drop into the St. Maurice valley, and an equally sharp rise on the opposite side, and of the remainder all but 30 miles was on the great Montreal plain, and where the grades were at all objectionable, they were all so short as to be easily reducible by ordinary steam shovel work.

dinary steam shovel work.

The St. Maurice depression, involving as it did the moving of a station and raising of a bridge over the river, has been left alone for the present, and is being worked as a special short division, but this 20 miles involving some long. but this 30 miles, involving some long grades, became one of the first studies of the Canadian National staff. Surveys of the Canadian National stant. Surveys showed that these could be reduced to 0.60% by the construction of some 14 miles of new line, and 4° curves substituted for the 8° standard now obtaining. and that the capitalized value of the change would amount to some \$5,000,000 or more, while the cost was estimated at or more, while the cost was estimated at \$1,500,000, but this cost was largely made up by that of four steel viaducts over as many rivers. The existing bridges, which had been standing some oridges, which had been standing some 20 years, were none too heavy in the first place, and quite unequal to modern loads, and rebuilding them in the new sites was somewhat cheaper than in the old. The amount chargeable to grade revisions therefore, was less than \$500,000 and it needed little argument to common the contract of the common than the c and it needed little argument to convince the directorate that the expenditure was Work on these good investment.



construction on St. Lawrence Subdivision, Can Betterments under

got away with it. Two farmers' sons built 10,000 miles in less than 20 years. Part of this system in the east was composed of acquired lines which were linked together and sometimes acted merely as feeders to the parent system; sometimes formed part of the main line sometimes formed part of the main line itself. They had nearly all been finished years before, and in location features higher standards demanded at the preswere not on a par with the samewhat ent day. One such road was the Bay of Quinte, which was used with modificahundred miles of this route, from Quebec

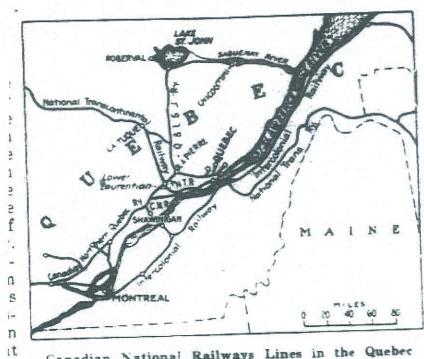
hundred miles of this route, from Quebec to the St. Maurice, was made up of two colonization roads, the Lower Laurentian and the Quebec & Lake St. John, and had a number of grades of 2%, and curvature as sharp as 10°, in combination.

The newer portion had been built to a 1% standard. The most objectionable part of the combination was eliminated by building a new line from the St. Maurice River, 80 miles, to Quebec, which reduced the distance some 17 miles, and the ruling gradient from 2% uncompen-

National Railways.

changes has actually been commenced.

Meantime the traffic on the Quebec & Lake St. John, a little separate system of 280 miles, built as a colonization road, of 280 miles, built as a colonization road, had grown very rapidly, owing to the development of the wood pulp and paper industry in the Saguenay basin, and its 1.5% grades (and on the Quebec end 2%) had become very expensive to maintain and operate. Most of this traffic goes to and beyond Montreal, and leaves the Q. & L. St. J. at Riviere a Pierre, running over the 40 miles of the Lower Lauren-



Canadian National Railways Lines in the Quebec District.

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## By Henry K. Wicksteed, B.

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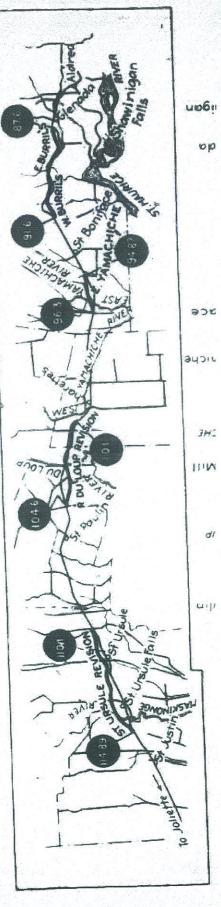
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Betterments under construction on St. Lawrence Subdivision, Canadian

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Projected Railway and Industrial Development in Quebec.

tian above mentioned, with 2% grades, and into the main line at the St. Manrice River. The National Transcontinental Rys. another member of the Canadian National Rys. System. crosses this midway between Riviere a Pierre and the St. Maurice, and this, too, is carrying more traffic to and from Montreal over this little one-horse colonization branch. Studies now being made, for the reduction of these 2% grades to the same 0.60% standard, are well advanced and very encouraging, but obviously in a reduction from 2% to 0.60%, with considerable changes in elevation, it cannot be expected that much of the old line will remain. It is possible, however, to retain all the station and traffic points in tact. Otherwise there would be a very serious rebellion among the good people of the Province of Quebec.

Last in importance perhaps, and farthest away from the great trade centers, but among the most interesting of all, are the studies on the Quebec & Lake St. John itself. One hundred and twenty have miles north of Quebec City is the Town of Cheoutimi. Many Canadians have never heard of it, and probably the great majority of Americans. Yet it is a seaport nearer to Europe than any in the United States. Within 50 miles of are a million horsepowers of water tanning to waste. Within 50 miles are some of the greatest spruce forests of the world, and at its doors, and extending more than 50 miles, are 1,000 square miles of good agricultural land. In this ity, and on this land, are 50,000 to 60,000 industrious and thrifty French Canadians. From Canada, the United States, and both England and France, capital has come freely in the past, and is still coming for investment in pulp grinding and paper making. To the westward, and tributary to this city are mineral areas which have caused at least one, flurry of excitement. Quebec has perhaps the sanest population, and the most procressive and business like government of any province in Canada. This combination is a hard one to beat, and many people are realizing it. One chance accountaince on the train in midwinter had come all the way from Kansas City, merely to look into the chances for profitable investment.

Under these circumstances, it is only natural that the traffic on the Quebec & Lake St. John should increase, and that it should look forward to economic decopment and improvement in grades and curvature, and possibly, in the more remote future, to electrification. At every few miles along its line are rivers minor waterpowers which can be descluped easily and cheaply. Few of them perhaps are large enough to jus-lify a transmission line to distant localities but quite large enough in the aggrecale to keep a railway going, and probably so evenly distributed that a high tension line and converters would be un-necessary. This matter of electrification necessary. This matter of electrification of Quebec lines will soon be well worth studying, but the question of grade restudying, but the question of grade reduction and increasing at moderate expenditure the train load by 50% and sometimes over 100%, remains relatively just as important. Electrification will reduce or nearly eliminate the coal bill. Grade reduction will reduce both coal and the season in proportion to topped. wages in proportion to tonnage. Both expenditures will probably soon be worth while. The accompanying plans and profiles show some of the most interesting of the problems under construction and study.

A press report states that a large pro-ject for industrial expansion in the pro-vince of Quebec is taking shape, embracvince of Quebec is taking snape, emoracing the construction of a railway from Hudson Bay to the Seven Islands, passing by Lake Mistassini, Lake St. John and Chicoutimi, to enter Quebec by the Montmorency Valley, which would short-en the route from Chicoutimi to Quebec by 100 miles; the establishment of pulp and paper mills at Seven Islands and at other places where there are important water powers along the line of the railway, and the erection of steel works at way, and the erection of steel works at Chicoutini and at Quebec. The project, according to reports, is being promoted by a syndicate with which Lord Burnham, principal proprietor of the Daily Telegraph, London, Eng., and Lord Destroyerh, who is a member of the Grenrelegraph, London, Eng., and Lord Des-borough, who is a member of the Gren-fell family of financiers, are members. The area within which the project, according to the report, is to be carried out, extends from Seven Islands on the Lawrence River, through Saguenay and Chicottimi counties, and northerly and northwesterly to Hudson Bay, and it is proposed to build a railway from Chicottimi to Quebec City. During the past two years there has been considerable avaloratory work done in this reable exploratory work done in this re-gion, and several charters have been secured from the Quebec Legislature, au therizing railway construction, develop-ment of water powers, navigation rights, etc., while land subsidies for the building of 200 miles of railway have been provided and are available for any company undertaking to build the lines specified Following arm particulars of the companies incorporated having construction rights in the area.

The Quebec Legislature in 1919 incorporated two companies, one the Quebec & Ungava Ry. Co., and the other the St. Felicien & Ungava Ry. Co., of both of which Viscount Templeton, London, Eng., the Earl of Clarendon, London, Eng., and Pickering, Ont.; B. Spring Rice, Burwash, Sussex, Eng.; and H. C. Thompson, London, Eng., were provisional directors, and J. T. Ross, Quebec was a provisional director of the second named company. The Quebec & Ungava Ry. Co. was authorized to build a railway from Seven Islands, in Saguenay County, on the north shore of the St. Lawrence River, northerly to Lake Membak, thence westerly or northwesterly to the most suitable harbor between the mouth of Big River and Nastapoka Sound on Hudson Bay, with branch lines. The St. Felicien & Ungava Ry. Co. was authorized to build a railway from St. Felicien, St. John County, to Lake Mistassini, thence to Lake Nichikuin and to Lake Petitsikapau, or by an alternative route between the first and the last named points. During the winter of 1919-20 several parties connected with a syndicate with which the provisional directors of these two companies were associated, carried on explorations in the territory through which these lines were projected.

At Seven Islands, the Clarke interests carried on extensive developments, including the building of Clarke City, with wharves, and a power and pulp plant, in connection with which a railway was built during the construction period. A recent report stated that the Clarke properties had been sold to a syndicate, which proposed to make extensive developments in the region.

The Quebec & Chibougamau Ry. Co. was incorporated by the Quebec Legisla-

ture at its last session to build a railway from Quebec northerly through Quebec. Montmorency, Charlevoix and Chicoutimi counties to Chicoutimi, to the Saguenay River, and thence through Chicoutimi and St. John counties to Lake Chibougamau, with branch lines.

mau, with branch lines.

The Quebec Legislature at its last session voted a subsidy of 4,000 acres a mile, not convertible into money, to a company building a railway from near Chicoutimi, on the Quebec & St. John Ry. to St. Felicien, to the west of Lake St. John, running through the regions situated east and north of the lake, as well as branch lines, the total length of main line and branches subsidized being 120 miles. The Legislature, at the same time, voted a similar subsidy to a company to build a line from Maibaie to Ha Bay, in the St. John Lake district.

A recent press report stated that the

A recent press report stated that the Quebec Ry. Light & Power Co. was negotiating the sale of its charter for the operation of a steam railway, and such part of its lines as was used for that purpose, to a syndicate interested in the development of the province. This piece of line might be useful in connection with the building of a line to Chicoutimi.

of line might be useful in connection with the building of a line to Chicoutini.

[See Quebec Subsidies for Railway construction. Mar., pg. 122; Quebec & Ungava Ry., May., 1919, pg. 254; St. Felicien & Ungava Ry., May., 1919, pg. 254; Quebec & Lake Chibougamau Ry. Co., Aug., pg. 428; Quebec Ry., Light & Power Co., Oct., pg. 557.]

## Proposed Enlargement of Niagara Railway Arch Bridge.

A recent press report stated that a conference had been held between Sir Adam Beck, Chairman, Hydro Electric Power Commission of Ontario, and the conners of the Niagara Railway Arch bridge in reference to the use of the hridge by radial electric railways, which had a pressitate four tracking it.

would necessitate four tracking it.

We are officially advised that the bridge is an international one, controlled by two companies, the Niagara Falls Suspension Bridge Co., incorporated in Canada, and the Niagara Falls International Bridge Co., incorporated in the United States. The officers of the Canadian company are President, C. Riordan, Montreal, Secretary-Treasurer, J. H. Ingersoll, St. Catharines, Ont. H. G. Dickinson, Niagara Falls, N.Y., is superintendent of the bridge.

the bridge.

The G.T.R. operates the railway portion of the bridge, leasing the upper deck, and the proposed widening could not be accomplished without its consent, as the bridge tracks terminate, on one side, on G.T.R. property, in use for its terminal purposes.

Plans for adding two more tracks have been prepared by Chas. Ewan Fowler, C.E., New York, N.Y. It is proposed that the four tracks on the upper deck shall have a capacity for E.70 locomotives and that the lower deck will have two electric railway tracks in the center, two 20-ft. roadways, and two 10-ft. sidewalks. Mr. Fowler says that it is hoped to have progressed far enough so that construction may be started next spring. He is also engaged on plans for the proposed Windsor-Detroit bridge.

Lucerne Railway Club Ltd. has been incorporated under the British Columbia Companies Act with authorized capital of \$2,000, to carry on a social club.

tian above mentioned, with 2% grades, and into the main line at the St. Maurice River. The National Transcontinental Ry., another member of the Canacian National Rys. System, crosses this midway between Riviere a Pierre and the St. Maurice, and this, too, is carrying more traffic to and from Montreal little one-horse colonization over this branch. Studies now being made, for the reduction of these 2% grades to the same 0.60% standard, are well advanced and very encouraging, but obviously in a reduction from 2% to 0.60%, with considerable changes in elevation, it cannot be expected that much of the old line will It is possible, however, to retain all the station and traffic points in-tact. Otherwise there would be a very serious rebellion among the good people of the Province of Quebec.

Last in importance perhaps, and far thest away from the great trade centers. but among the most interesting of all are the studies on the Quebec & Lake St. John itself. One hundred and twenty-nie miles north of Quebec City is the Town of Chicoutimi. Many Canadians have never heard of it, and probably the great majority of Americans. Yet it is a seaport nearer to Europe than any in the United States Within 50 miles of he United States are a million horsepowers of water running to waste. Within 150 miles are some of the greatest spruce forests of the world, and at its doors, and extend-ng more than 50 miles, are 1,000 square miles of good agricultural land. In this ty, and on this land, are 50,000 to 60,000 redustrious and thrifty French Canadians. From Canada, the United States, and both England and France, capital has come freely in the past, and is still com-ing for investment in pulp grinding and To the westward, and paper making tributary to this city are mineral areas which have caused at least one flurry of excitement Quebec has perhaps the sanest population, and the most progressive and business like government. This comof any province in Canada. bination is a hard one to beat, and many people are realizing it. One chance acquaintance on the train in midwinter had come all the way from Kansas City merely to look into the chances for profitable investment.

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### Proje

A press ject for ir vince of Q ing the c Hudson B ing by L and Chico Montmore en the ro by 100 m and papel other pla water por way, and Chicoutin according by a syr ham, pri Telegrap borough. fell fam The area cording out, exte St. Law and Chi and nor it is pri Chicouti past two able exi gion, an cured fi thorizin ment of etc., wh of 200 vided at underta Followi panies rights The poratec

& Ung St. Fel Eng. Eng. Rice, 1 Thomp sional was a named Rv. ( way Count Lawre hak. t the n mouth on Hi St. F thoris heren sini. Lake route ed pc Sever cate of th carri

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## Prairie Provinces Grain Crop Movement.

less than 120,000,000 bush., distributed as follows:—in Western Grain Inspection Division—75,000,000; in Eastern Grain Inspection Division—23,000,000; and in U.S.A. lake and seaboard ports—22,000,000. Approximately 30,0000,00 bush. have been exported, milled or consumed at Statistician, E. A. Ursell, Fort William, Ont., reported on July 9, as follows:— Although the export demand for Canadian movement will probably be somewhat larger than that of June, so that the Canadian carry-over at the close of the season wheat continued comparatively quiet durn farmers' hands have been reduced to Commissioners' ng June, stocks in store, in transit and still Reports to date indicate the July Grain o, The Board nome.

will be less than that of a year ago. The unsettled condition of the markets frequent and copious rains throughout the growing season, as there was no reserve to the lack of sufficient moisture, and the ultimate yield will undoubtedly be affected. which followed the announcements of the reduction of freight rates has gradually yield this year than last, which would more une conditions in many important disricts were decidedly unfavorable, owing growing crops indicates a much smaller The Canadian crops depend entirely upon state of apprehension that the condition of given place to a more or less pronounced than offset the larger carry-over expected. moisture in the soil in the spring.

Freight rates on the Great Lakes weakened considerably towards the middle of June, quantities of grain being carried to Buffalo at 1½c and to Montreal at 6½c wheat basis: but during the last 10 days firmness was apparent, particularly for tonnage for July shipment, rates advancing to 1¾c to 2c to Buffalo and 7c to 7½c to Montreal for last week of June shipments, han distress rates. From Vancouver the first half July shipment. On the ocean, liner tonnage has been fully sufficient to meet all demands and very few tramp steamships have been chartered. The and 2c to Buffalo and 71/2c to Montreal ates paid for these have been little better movement continues small, the Oriental equirements having been almost satisfied.

Barley Flaxseed. Rye.	3,616,676 261,470 459,843	40,427,473 2,936,902 6,802,425	24,139,123 3,338,817 10,978,983	
of	Lake Shipn Port Arthu	Distribution of Lake Shipments from Fort William and Port Arthur, in bushels,	ort William	
ŠĚ	To unload at Canadian	To unload at To unload at Canadian U.S.A.	Total	
	ports 8,601,628	6,440,641	14,942,269	
	1,607,297	1,906,676	8,513,973	
	90,910 459,515	304,898	895,808 469,515	
ZXZ	10ATION TO	OPENING OF NAVIGATION TO JUNE 30, 1929—Whert	63,568,030	

683,089 11,652,392 7,185,419 10,685,740 548,813 748,052 247,224 1,754,744	Now Westminster
11,019,803 8,500,841 194,219 1,507,520	Management of the same
Oats. Barley Flaxseed Rye.	

ıstor,	bush.	=			
Westmir June 30. 1928	222,728	531,048	58,567	328,826	
New	81,				1
r and	bush.		**	:	
Vancouver B, 11 mor	4.202.865	787.938	600.476	840,179	
Grain handled at Vancouver and New Westminstor, B.C., elevators, 11 months ended June 30. 1928 PERSIPPER	6				(ENTS:
Grain h	Wheat	Oats	Rarlav	Rye	SHIP

(Press report,

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75,971,052 240,240

91,738,395 70,371

Barley Wheat

THE THE PARTY OF T	managed lines 30.
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bush	::
7,980,544 bush 5,902	7,581,601
oush.	::
2,499,898 bush.	2,470,510
Wheat	SHIPMENTS: Wheat Oats

Grain handled at Victoria, B.C., elevator from date

RECEIPTS:

of opening to June 30.
SHIPMENTS:
146.618 bush. Wheat. 107,924 bush.
46,820 Barley. 46,820 " Canadian grain handled at Duluth, Minn., and Super-ior, Wis., 11 months ended June 30, in bushels. Barley

Wheat 877,419 746,668 794,067 799,677 Coats 16,910 662 24,277 Coats 610,628 841,864 529,500 836,194 Passeed 40,044 18,594 8,906 31,147 Rye.		RECE	IPTS:	SHIPMI	SENE
877,419 746,668 16,910 662 610,628 841,864 40,044 18,394 16,016 38,674		1929	1928	1929	1928
16,910 662 610,628 841,864 40,044 18,394 16,016 38,674	Wheat	877,419	746,668	794,067	799,67
d 40,044 18,394 15,015 38,674	Oats	16,910	662		24,21
d 40,044 18,394 15,015 38,674	Barley	610,628	841,864	629,900	336,191
15,015 38,674	Flaxseed	40,044	18,394	3,906	31,14
	Rve	 16,015	38,674	2,267	43,740

## Railway Projects, Surveys, Construc-tion, Betterments, Etc.

have engineers making surveys for a log-ging railway from its timber limits on the Abbotsford Lumber Co. is reported to

pended last autumn owing to the then impending election, 13 miles of grading had been completed on which 70-lb. rails had been laid for 6 miles. The election resulted in a change of government, and the whole matter of the diversion is under the executive council's consideration.

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mile 45, and Williams Lake, mile 156, Lillooet Subdivision, and that satisfactory than usual this year and as a result the Pacific Great Eastern Ry.-Willard Ry., on returning recently to Vancouver, B.C., from a trip of inspection over the line to Quesnel and over the projected extension to Prince George, reported that progress was being made with the construction of concrete cribs and retaining walls along Anderson Lake on Squamish Subdivision. Work was started earlier work, a good deal of which is of a perman-Kitchen, a director, and Robert Wilson, Executive Assistant, Pacific Great Eastern ballasting was in progress between Clinton, ent nature, has been nearly completed.

Tug ust

with the present dock, will give a total area in one block of about 150 x 60 ft. There will be an elevated platform and ramp 200 x 10 ft. The train passenger platform will be 450 ft. long by 14 ft. wide and a 3-track 40-ft. apron car ferry slip will be built, and 2,300 ft. of railway under the railway trestle where there is no teredo action. The deck of the wharf will be 10 ft. above mean sea level. All timber Creosoted piles will be used under the passenger dock and all parts subject to used will be B.C. fir, and the treatle will be teredo action, and cedar piles will be used There will be an approach of train fill material for about half a mile, requiring about We are advised officially that the wharf and approach trestle proposed to be built at Squamish will be adjacent to the present government dock. The landing dock area will be approximately 150 x 30 ft., which, standard 6-stringer, 15-bent construction. trestle.

at mile 44.1 and 48.4, near Rethel, mile 44.6, Squamish Subdivision. Another contract for bridge foundations has been let to Dawson, Wade and Co., Ltd., Van-Stewart, Squamish, for bridge foundations 17,500 cubic yards of material.
A contract has been let to Watson and couver. (Press reports.)

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