THE **QUEBEC** AND LAKE ST **JOHN RAILWAY** DIARIES C. H. RIFF

THE RAILWAY & SHIPPING WORLD. S.V. During council section

TORONTO, CANADA JUNE 1868

ness Cartier River is also alternative Coming for manufacturing purposes during the Coming for manufacturing purposes during the Coming or manufacturing purposes during the Coming or Marchast Py Irom Grand Merelwesk ward has seen completed by that Co since who has seen completed by that Co since who has seen completed by that Co since who has seen completed by that Co since since he was a proper manufacturing in July. Under an agreement between the Pulp Co. & the an agreement Section of the G. N. Ry. also true to the Company of the Section of the G. N. Ry also true closes 10. He Shawenegan Falls, a very fin close 10. He Shawenegan Falls, a very fin water power which has recently been sold by the Propulcial Croyer ment to a company, while singurating manufacturing industries. It is described in the Propulcial Croyer manufacturing industries. It is a tension of the Great Northern road to a xtension of the Great Northern road to a xt

Ouebec & Lake St. John Rallway

At her angular meeting of shareholders at place of the following directors were greatly allowed that the constitution of the constitut

JWE 1898

on the 5% bonds for 10 years from Jan. 1, 1889. The gross earnings of the Co. for the year ended June 30, 1898, were \$258, 730.09, & the operating expenses \$217,892,72, so that ir, would appear that there is not a very invitingprospect for the bondholders, & the bonds? have fallen in London to 23-28. It is announced that the Railway Share Trust & Agency Co. has instructed its solicitors in Quebec to apply for a receiver for the Q.& L. St.J.R.Co. The main line of the Co. from Quebec to Roberval is 192 miles, & the eastern extension from Chambord Jet. to Chicoutimi 53.85 miles. The Co. leases the Lower Laurentian Ry. 39.50 miles, making a total operated of 285.35 miles. The gauge is standard, & the rails are 56 & 60 lbs. Inquiry of the management in Quebec has elicited the reply that "the bond issue of the Co. is being readjusted by a friendly agreement between the bondholders & the Co.

JULY 1899

The Quebec & Lake St. John Ry. has obtained power from the Quebec Legislature to issue bonds for £170,000 on the Quebec-Roberval section of the road. The proceeds are to be used in improving the roadbed & terminals of this division, rolling stock, & in paying certain debts. The Co. is also authorized to issue 1st mortgage bonds, ranking after the prior lien bonds for £400,000, to redeem the £780,000 of 1st mortgage bonds, now out & in default, through non-payment of interest, due on July 1, 1899. The Co. may also issue £500,000 income bonds, ranking after the 1st mortgage bonds, bearing interest at 6%. These income bonds, together with the 1st mortgage bonds, will be used to exchange for the £780,000 of bonds to be retired, the excess being to cover the accrued interest on the old bonds.

1899

Quebec and Lake St. John Railway.

A meeting of the holders of the 5% 1st mortgage bonds of this Co. was held in Lon- V don, Eng., Aug. 2, for the purpose of appointing a committee of holders of the bonds "to consider the position of such bondholders, to confer with the trustees, & to take such. steps as the committee may think best to protect the rights & interests of such bondholders, & to organize for unity of action." C.C. Macrae, a director of the Railway Share Trust & Agency Co., (the trustees), who presided, stated that the bonds were issued in " London, over the complete main line of therailway, about 10 years ago, with a guarantee of interest for 10 years, by the Province of Quebec. That period had run out, & the bondholders were now in the position of having to look for any return on their capital to the earnings of the road. The working ofthe railway had shown that only on something like half of the line were the prospects for, earnings at all good. In addition to the 190 miles from Quebec to Lake St. John, which formed the main line, & upon which the bonds were secured, various extensions had been made, which served as feeders. The bond-7 holders had a valuable asset in the terminal, property situated in the city of Quebec. Analyzing the accounts of the railway for the past 10 years it would be seen that the line had only about paid its way, &, in common with so many lines operating without working capital, the directors had been compelled to take the cost of betterments out of the revenue of each year. From all the information he could obtain he was strongly of opinion that, in this instance, there had been no bad faith on the part of any one connected with the management in Canada, everything having been done on the other side to make the line successful. The Canadian Government had not seen its way to grant any further assistance, &, in view of the termination of the guarantee & the inevitable default, the trustees, through their solicitors, had done all that was needful to protect the rights of the bondholders. The effect of the action of the trustees would be to keep the railway intact. The present meeting, however, was quite informal, as no legal gathering could be held until six months after the default had taken place. The bondholders could not expect to obtain their full interest for some time, but when the Co. had turned the corner they might, he considered, obtain a return on their capital during the next year or two. Some of the gentlemen in Canada, more sanguine than he was, thought that in the near future the

August 1899

duebee or Thing his Actual nittee appointed at the meeting of bondholdrs, Aug. 2, has issued the following circular the holders of the £780,000 5% 1st mort-

age bonds :

"Having carefully considered the most ad-sable course to pursue for the benefit & proction of the rights & interests of the bondew of the default in payment of olders, i if the bonds by the Ry. Co., we ie interc eg to pur forward the following scheme for our consideration: We suggest that every indholder deposit his bonds with the Railay Share Trust & Agency Co., Ltd., (the ustees for the bondholders), to the order of e committee, in exchange for which scrip rtificates to bearer shall be issued to him. ne committee will thus have all the bonds sted in them, subject to certain conditions dorsed on the back of the scrip certificates. "Shortly, these conditions enable the comttee to act generally for the common adntage and benefit of the bondholders. And, it is very necessary that the committee, all have at their disposal sufficient funds to let the expenses incurred from time to time, conditions authorize the committee to se money on the security of the deposited nds to an amount not exceeding 2% of the minal value of such bonds. This scheme I avoid the necessity of convening frequent etings to authorize the committee to act ir all matters, & will thus save considerable bense & annoyance to the bondholders. e conditions on the certificate expressly wide that no further money than the aboventioned 2% shall be borrowed on the bonds. hat no reconstruction of the Co., or varian or change in the rights, position or seities of the bondholders (except the buying of the property forming the security of the adholders) shall be concluded without the iction of a resolution of a general meeting, y convened, of the holders of scrip certifies, passed by a majority in value of such ders, present in person or by proxy, thus iting the powers of the committee to the natters." The circular is signed A. W. Lance, E. F. Coates, S. Gardner 1. S. Jecks. It is explained that F. Ross, ng in Canada, it has not yet been possible obtain his signature to the circular.

nebec Central gross earnings for July, 1563.16, against \$48,799.66 in July, '98;

September'

actual earnings of the road would be sufficient to pay something like the full interest on the bonds. He then moved a resolution appoint-

ing a committee of bondholders.

In reply to the comments of bondholders the Chairman said that the capital stock of the Co. was given at \$4,074,000, but he had never attached any value to it, as he had always considered that much of it represented "water," as was usual with so many transatlantic railways. He did not know who were

the present holders of that stock.

Mr. Hanson pointed out that the line had not been exclusively built out of the money of the bondholders, but that an appreciable portion of solid cash was put into the undertaking. He moved that F. Ross, A. S. Jecks, S. Gardiner, J. W. Ballance, & E. F. Coates be appointed as the committee for the object stated, words instructing the committee to report to the bondholders being added to the original motion. The resolution was adopted.—Railway Times.

August 1899

Quebec and Lake St. John Ry.—The annual report gives the number of passengers carried as 238,727, against 215,882 in the preceding year, and the number of tons of freight 341,690, against 300,477. The quantity of cheese carried was 2,179,642 lbs., valued at about \$260,000. During the year 1,855 new settlers and their effects were carried free by the railway to Lake St. John, half of whom came from the U.S. 6,037 cars of sawn lumber and 3,112 of pulp and paper were hauled, and it is said that the Chicoutimi pulp mill is doubling its capacity, thenew pulp mill at Jonquiere is in operation, large new mills are now in course of construction at Metabetchouse A.

July 1901

Quebec and Lake St. John Ry. Bonds.

A general meeting of the holders of certificates representing 5% 1st mortgage bonds of this Co., deposited with the London Bondholders' Committee, was held in London, Eng., Nov. 18, C. A. Hanson presiding, for the purpose of receiving the report of the transactions of the committee. man said that the committee regretted that they had not been able to submit their report at an earlier date. At the meeting in July, 1900, the committee were authorized to enter into an agreement with the Co. for the rearrangement and conversion of the bonded That bonded debt on the main line was represented by £780,000 5% 1st mortgage bonds, in exchange for which they were to receive £390,000 in 1st mortgage bonds, being ios, in the pound, bearing interest, at the outset at 3%, and finally at 5% per annum. They were to receive likewise £468 000 6° income bonds, which, however, would not be cumulative, making a total of £858,000. The committee were also authorized to enter into an agreement with the Co., on the one hand, and with the bondholders of the Chicousimi branch on the other hand. Under the first bill passed by the Legislature of Quebec, the terms of fusion were those of equality with the bondholders of the main line, but, as the result of prolonged negotiations, the committee obtained better terms, namely, that instead of £50 of 1st mortgage bonds the Chicoutimi bondholders should receive £25 and £82 5s.

Grading was commenced at Roberval, Que., in July, but has been suspended pending the settlement of the subsidy with the Quebec Government. It is expected that work will be resumed early next spring. (Aug., pg. 232.)

Quebee and Lake St. John Ry .- The cutoff from Valcartier to Ste. Catherines is 4 miles in length, and reduces the distance between these points on the main line by 11/4 The grades opposed to eastbound traffic are 16 % compensated, and those opposed to westbound traffic 10 compensated, while the maximum curvature is 2. The culverts are all of stone. Jacques Cartier river is crossed by a steel bridge, consisting of three deck lattice spans of 110 ft. each, with side approaches of 44 ft. and 39 ft. plate girder spans respectively. The contractor is Jos. Paquet of Point Levis. Grading has been completed, but the bridge will not be in position until about Dec. 2c. (Aug. pg. 233.)

> December 1901

Quebec & Lake St. John Ry.—We were officially informed on Jan. 4 that the cut-off from Valcartier to St. Catherines, 4 miles, had been completed, with the exception of the steel superstructure of the bridge over the Jacques Cartier river, which was in course of erection, and that it was expected the line would be operated over the cut-off by the end of Jan. (Dec., 1901, pg. 358.)

February 1902

Quebec and Lake St. John Ry. – The cutoff from Valcartier to St. Catherines, 4 miles, was completed Mar. 10, and trains commenced running over it Mar. 24. The old line will not be abandoned, but will be used for siding purposes for the present. (Feb., pg. 60.)

April 1902

Quebec and Lake St. John Ry.—H. J. Beemer, one of the directors, who has recently been over the line, says it has been much improved, sections of the line have been straightened, a considerable length laid with 70 lb. steel rails, and many other improvements effected.

The principal improvement has been the cut-off between Valcartier and St. Catherines. The new line diverges from the old line on a 1 degree curve at a point 15 miles from Quebec, passes through 2 miles of farming country, crosses the Jacques Cartier river 4 of a mile below the old bridge, and then through some swampy land, and rejoins the line on a 1 degree curve. The length of the new line is 3.77 miles, and of the old line 4.93 miles. The bridge over the Jacques Cartier river is carried on four piers and two abutments of first class rock-faced ashlar masonry, and consists of 3 spans of 110 ft., trusses class 1. Dominion specifications, and the approaches are 44 ft. and 30 ft. plate girder spans respectively. The new line has been laid with 70 lb. rails. J. Pacquet was the contractor. (April, pg. 145.)

Quebec and New Brunswick Ry. The fol-

August 1902

The Trans-Canadian Ry. Co. was incorporated by the Dominion Parliament in 1895 to construct a railway from or near Quebec, westerly in a straight line as near as possible to Lake Winnipeg, thence westerly by way of the Yellowhead pass, thence via the Skeena valley to Port Simpson or Port Essington, on the Pacific coast. The Co. was not limited as to time, but in 1897 the name of the Co. was changed to the Trans-Canada Ry. Co. it was given power to construct a branch from the main line at the crossing of St. Maurice river southerly to the village of Montcalm, thence in a direct line to Montreal. such branch not to be constructed until 200% miles of the main line beginning at Quebec shall be in operation. The Co. was given four years within which to commence construction and to years to complete its lines. On June 30, 1901, some construction was done at Roberval, Que., the terminus of the Quebec and Lake St. John Ry., 190 miles from Quebec, in order to keep the charter alive. Application is being made at the current session of the Dominion Parliament for an act declaring the corporate powers of the Co. in full force and effect and to consolidate the acts relating to the Co. Power is also sought for an extension of time to complete the railway commenced at Roberval, Que., in July, 1901, to the Nottawa river, James bay, and for running spowers over the Quebec & Lake St. John Ry. from Roberval to Quebec and Chicoutimi and for other purposes.

At a meeting held in Quebec, Mar. 4, the Co. was formally organized. J. G. Scott, General Manager of the Quebec and Lake St. John Ry., and of the Great Northern Ry. of Canada, with others connected with these railways, are among the promoters of the line. It was stated that a construction firm in Chicago was ready to commence work on the first 60 miles from Roberval as soon as the act is obtained. The capital of the Co. is \$20,000,000. See Quebec and James Bay Ry., Aug., 1901, pg. 232.

April 1902

> 147

Quebec and Lake St. John Ry.—H. J. Beemer wone of the directors, who has recently been over the line; says it has been much improved, sections of the line have been straightened, a considerable length laid with 70 lb, steel rails, and many other improves ments effected.

The principal improvement has been the cut-off between Valcartier and St. Catherines. The new line diverges from the old line on a 1 degree curve at a point 15 miles from Quebec, passes through 2 miles of farming country crosses the Jacques Cartier river 4 of a mile below the old bridge, and then through some swampy land, and rejoins the line on a 1 degree curve. The length of the new line is 3.77 miles, and of the old line 4.93 miles. The bridge over the Jacques Cartier river is carried on four piers and two abutments of first class rock-faced ashlar masonry, and consists of 3 spans of 110 ff. trusses class 1, Dominion specifications, and the approaches are 44 ft. and 30 ft. plate girder spans respectively. The new line has been laid with 70 lb. rails. J. Pacquet was the contractor (April, pg. 145.)

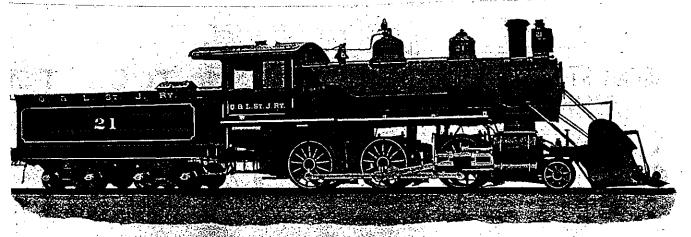
August 1902

P267

Quebec and Lake St. John Ry. line extending from St. Audre Jet., 150 miles Abranch from Que., to Metabetchouan, Que., it miles, has been completed. An extension of the line has been projected from Chicomuni to St. Alphonse, about 1, miles,

Coal pockets have been erected at St. Raymond. Que., for the locomotive department, in order to save time in coaling. (Aug.,

September 1902



COMPOUND MOGUL LOCOMOTIVE, BUILT FOR THE QUEBEC AND LAKE ST. JOHN RY. BY THE BALDWIN LOCOMOTIVE WORKS.

comotives adopted, and a number of illustrations of locomotives recently built for foreign governments and railway companies both in the U.S. and abroad. C.P.R. locomotive 851 is among those illustrated.

The Quebec and Lake St. John Ry. recently added to its equipment two compound mogul freight locomotives, built by the Baldwin Locomotive Works. An illustration of one of them is given on this page. Following are the general dimensions:

Cylinders-Diam	eter (high pressure)14 in	١.
••	(low pressure)	ı.
" Stroi	ko	١.
" Valv	ke	•
Boiler-Diamete	er ::	
" Thickne	ss of shectsti-16 in	•
" Working	T DECEMBER	٠.
Final	g pressure 200 lbs	٠.
Elashou Materi	anticonia de la constanta de l	١,
r ireooxmater	ial	•
Lengti	n	١.
Width	(front)	١,
Depth	(tront)	١.
16. (71.1.1.)	(back)651 in	ι.
Thickn	iesa of sheeta, aidea5-16 in	١.
	back 5-16 in	١,
**	COM11	١.
"	tube	١.
TubesMateria	1	ŀ.
" Number	26	3
" Diamete	r	ì.
" Length		١.
Heating surface	-Firebox	t.
Υ.	Tubes	ì.
**	Total1876.4 sq. fi	i
••	Grate area 31.6 sq. ft	۴.
Driving Wheels-	Diameter outside57 in	
7,	Diameter of center50 in	
16	Journals, main	
at .	Journals, main	

MAY 1903 D 169

THE RAILWAY AND SHIPPING WORLD.

Great Northern Ry. of Canada.—The workshops of the G.N.Ry. on Louise embank ment, Quebec, were burned out recently, the loss being estimated at about \$70,000. The machine shop was totally destroyed, and a number of cars, which were undergoing repairs, were burned. The site has been cleared, and the directors have decided to rebuild the shops on a larger scale. The buildings, however, will not be gone on with this year. (July, pg. 235.)

October 1903

One here and Lake St. John Ry. Doing to a sport for a constructed from St. Andre St. In the Medicine to a sport for the Medicine to a sport of the Medicine to a sport of the sport of the

MARCH 1904

r

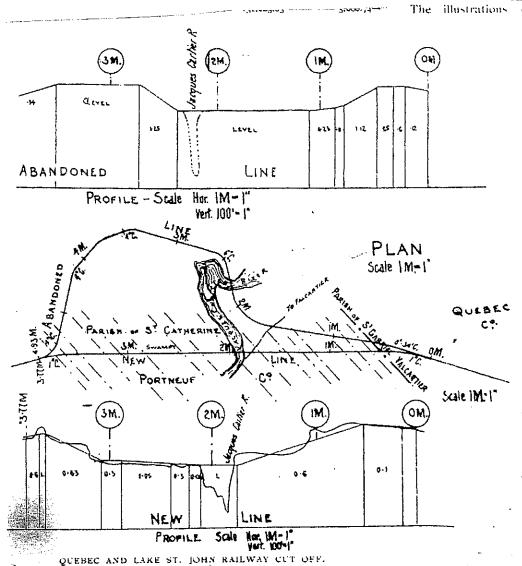
,

Quebec and Lake St. John Ry.—For 38 miles of line from the main line near the Jean-notte River to La Tuque on the St. Maurice River, 4,000 acres of land a mile. Also a similar grant for one mile of line from Roberval to the Dominion Government what on Lake St. John.

Juzy -1904

Quebec and Lake Dr. com last session of the Quebec Legislature two acts conferring various powers on the Q. and L. St. J. Ry. Co. were passed, including the authorization of the construction of certain branch lines and extension of time for the construction of the same. A subsidy of 4,000 acres of land a mile was granted in aid of a line from Roberval to the Dominion Government wharf on Lake St. John, one mile in length; and for a branch line 38 miles long from a point on the main line near the Jeannotte River to La Tuque, on the St. Maurice River. J. G. Scott, General Manager, has gone to England to arrange for the financing of the construction of this branch line, with a view to starting work thereon at an early date. (Jan., pg. 7.)

July 1904



The illustrations on page 283 show the general details of one of the many improvements made on the Quebec and Lake St. John Ry. last year. As to why the change should be made requires no explanation, for a glance at plans and profiles shows the advantages both in alignment and grades of the new over the old line, and a shortening of 1,16 miles. suffice it to say that the immediate cause of the change was due to the enormous increase of traffic, and hence the necessity of employing heavier engines which could not be used with safety on the old bridge over the Jacques Cartier river. The cost of the construction of a new bridge on the old site "amply justified the seizure of the splendid opportunity of making so desirable a change. The new bridge is the third one to span the waters of the Jacques Cartier for the purposes of a railway, the old bridge having, in its turb, taken the place of a wooden Howe truss.

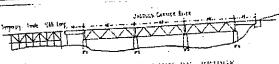
The new line diverges from the old line on some, though it had the full force of the current, which was, however, previously headed off by an outside sheeting, part of which afterwards formed the outside wall of the coffer dam to contain the putalle. Pier 3 was per-larps the most interesting of all, being in 10 n. of water in the upstream side and decreasing down stream towards the island. A bottomiess caiseon was puilt of 12 in, by 12 in, timber, of a section to suit the river bottom, and rolled into position with a shelf inside on which boulders were loaded to sink it. It was then sheet piled with 9 in, tongued and grooved 11/2 in, stuff, and on being pumped proved leaky, necessitating another row of sheet piling placed 5 ft. outside and filled with puddle. It may be interesting to note that a successful method of stopping leaks under the puddle was found by removing the clay at the leaky spot to within 18 in. of the bottom, ramming it well, then loading with heavy boulders and sand, then filling with 18 in, of clay, ramming and loading till the wall was complete. The dimensions of piers and abstractive are the class the and abutments are shown on the plans, the western aburment being a wing one, the north wing being at right angles to track, while the south one follows the river. wings are turretted on top, being rock faced on three sides. The eastern one was an ordinary "U" abutment. Pier 4 was built the ary "U" abutment. Fier 4 was one of same as the others on top, being 7 ft, by 15 ft, with a batter on each side of 15 in, to the foot. The metal of the superstructure is of rolled steel throughout, consisting of three (10 ft. spans, composing the main bridge, built exactly alike, being 107 ft. centre to centre of actly alike, being 107 if, centre to each 17 feed end pins, there being 6 panels in each 17 feed to ft, from panel point to panel point, and 10 ft, from panel point to panel point. The trusses to it, centre to centre of trusses. are calculated for class +, typical consolidation engine and tender, as specified by the Department of Railways, 1899. The eastern and western approaches are plate girder spans 44 and 39 ft. respectively, over all, the girders being 8 ft. c -e of girders. The webs are

84 in, by ½ in.

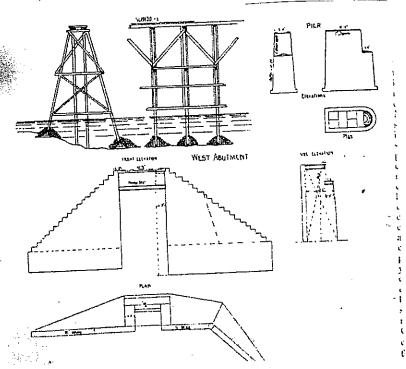
The culverts, three in number, are of the usual masonry box type. The fencing is of the anchor type, 9 strands, 4 ft, high and 12 ft, between posts, with two cross wires fastened at

the junction of the horizontal ones by clamps. The farm gates consist of a frame made of z in, by 4 in, timber. They are 15 ft, long and 4 ft, 6 in, high, filled in with six strands wire and two vertical wires,

forming a light gate and easily handled. The rails are of English manufacture and weigh 70 lbs to the yard. The web is 0-16 in., the head 23k in., the base 44k in., and height of rail 43k in. The fastenings are double angle bars with a base which rests on the tie, making a total base of 715 in. at the joint. The station, 34 ft. by 19 ft. 6 in., is a two story build. ing, with balconied gabled windows, front and rear, and bay windows on ground floor. The entire building is surrounded by a weather shelter, the whole being of next appearance and suited to the locality. The ground floor is partitioned to form waiting-room, operator's office and baggage-room, while at the rear are kitchen and parlor. The upper story is divided into five rooms, the whole forming a building convenient in the double purpose of station and agent's house. The whole work was carried out by J. Paquet, contractor, Levis, Que. - Canadian Engineer.



QUEBEC AND LAKE ST. JOHN BY, BRIDGE.



Quebec and Lake St. John Ry.- During 1902 a spur line 13 miles long was constructed from St. Andre Jct. to the Metabouchouan Pulp Co.'s mills at Metabouchouan, Que., and on-Eeb. 5 a deputation representing the Pulp Co. waited on the Dominion Govern-

MARCH 1904

E RAILWAY AND SHIPPING WOR

ment to ask for the payment of the subsidy voted therefor. The officers of the Department of Railways state that the subsidy has costing more for construction than it should.

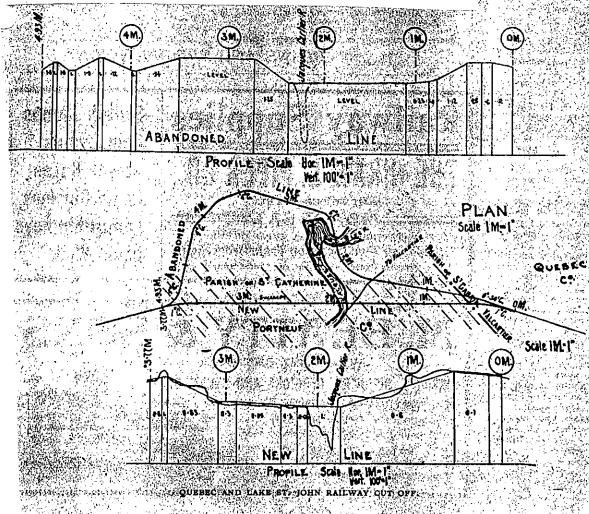
J. G. Scott, General Manager, recently stated that during the past eight years over \$1,000,000 had been expended in betterments on the line. It was possible to haul trains of mum trainload was formerly 300 tons. The district had now over 50,000 settlers, and from in annually. (Jan., pg. 7).

MARCH C 1904

P81

Quebec & Lake St. John Rallway Cut Off.

The illustrations.



on page 283 show the general details of one of the many im-provements made on the Quebec and Lake St. John Ry, last year. As to why the change should be made requires no explanation, for a glance at plans and profiles shows the advantages both in alignment and grades of the new-over-the old line, and a short-ening of 1.16 miles, suffice it to say that the immediate cause of the change was due to the enormous increase of traffic, and hence the necessity of employing heavier engines which could not be used with safety on the old bridge over the Jacques Cartier river. The cost of the con-struction of a new bridge on the old site amply justified. the seizure, of the splendid opportunity of making so desir-able a change. The new bridge is the third one to span the waters of the Jacques Cartier for the purposes of a railway, the old bridge having, in its turn, taken the place of a wooden Howe truss. The new line diverges from the old line on

August 1904

some, though it had the full force of the cur some, though it had, the tull force of the current which was, however, previously headed
off by an outside sheeting, part of which after
wards formed the outside wall of the coffer
dam to contain the buddle. Plens was perhaps the most interesting of all, being in of
of water in the upstream side and dereasing down stream towards the island.
A bottomess caisson was built of 32 in by

1 minutes of a section to suit the fiver box.

under the juddle was found by removing the clay at the leaky spot to within 18 in; of the bottom; ramming it well, then loading with heavy boulders and sand then filling with 18 in 06 clay, ramming and loading till the wall was complete. The dimensions of piers and abutments are shown on the plans; the western abutment being a wing one the north wing being at right angles to track, while the south one follows the river. The wings are turretted on top, being rock faced. while the south one follows the type, where wings are turretted on top, being rock faced on three sides. The eastern one was an ordinary. U. abutment. Pier 4 was built the same as the others on top, being 7 ft, by 15 ft. with a batter on each side of ½ in to the foot. The metal of the superstructure is of folled. steel throughout, consisting of three 110 ff. spans, composing the main bridge, built exspans; composing the main bridge, built exactly alike, being 107 ft. centre to centre of end pins; there being 6 panels in each 17 ft.; to ft. from panel point to panel point; and to ft. centre to centre of trusses. The trusses are calculated for class 1, typical consolidation engine and tender; as specified by the Department of Railways, 1899. The easterns and western approaches are plate girder spans ut 39 ft. respectively, over all, the girders 88 ft. c—c of girders. The webstare 84 in, by 36 in.

84 in. by 3/8 in.

The culverts, three in number, are of the usual masonry box type. The fencing is of the anchor type, 9 strands, 4 ft. high and 12 ft. between posts, with two cross wires fastened at

the junction of the horizontal.

Jones by clamps. The farming the later of the gates consist of a frame made of a in. by a in timber. They are 13 ft. long and 4 ft. 6 to, high, filled in with six strands.

We wire and two vertical wires. It is and weight forming a light gate and teasily handled. The rails are of English manufacture, and weight follow to the yard. The web is 3 ft in the bead 24 in. The fastenings are double angle bars with a base which restroit the tie, making a total base of 24 in a the joint. The sta-QUEBEC AND LAKE ST. JOHN RY, BRIDGE A bottom/ess caisson was built of 12 in by Stalls are on august 12 in timber, of a section to suit the Fiver bot 17 in by the base 4% in and height of side on which boulders were loaded to sink stall 4% in the base 4% in and height of side on which boulders were loaded to sink stall 4% in. The fasterlings are double angle it. It was then sheet piled with 9 in tongued bars with a base which resison the tie, making and grooved 1% in stuff, and on being pump a storal base of 7 kinn at the joint. The stated proved leaky, necessitating another to we film 34 ft. by 19-15 in the two story build of sheet piling placed 5 ft. outside and filled ling, with balconied rabled widdows from with puddle. It may be interesting to note and lear, and bay windows on ground floor that a successful method of stopping leaks 4 The entire building is surrounded by a weaunder the puddle was found by removing the other shelter; the whole being of next appearable at the leaky spot to within 18 into 6 the 1 and suited to the locality. The ground clay at the leaky spot to within 18 into 6 the 1 and suited to the locality. The ground with a floor, is a partitioned to form waiting room. Ance and suited to the locality. The ground floor is partitioned to form waiting room, toperators office and baggage toom while at the rear are kitchen; and parlor. The upper story is divided into five rooms; the whole forming a building convenient in the double purpose of station and agent a house. The whole work was carried out by J. Paquet, contractor, Levis, Que.—Canadian Engineer.

PRINT ELEVATOR WEST ABUTMENT

AUGUST

Quebec and Lake St. John Ry.—The report for the year ended Dec. 31, 1903, presented at the recent annual meeting showed that 247,905 passengers, and 318,730 tons of freight had been carried. The proceeds of the £200,000 of prior lien bonds authorized for the improvement of the company's property had been expended for the purposes specified in the statute, and it had been found necessary to supplement this out of the unexpended profits prior to the reorganization. The total expenditure to Dec. 31 had been \$991,538.42. The operating accounts profit and loss statements show that the interest on the new first mortgage and prior lien bonds had been paid, the net earnings for the year having been more than sufficient for that purpose. Following are the officers and directors for the current year: President, G. Le Moine, Quebec: 1st Vice-President, W. Hanson, Montreal; 2nd Vice-President, J. T. Ross, Quebec; other directors: T. A. dington, E. Beaudet, Hon. P. Garneau, Hon. J. Tessier, H. J. Beemer, C. A. Hanson, E. Hanson, F. W. Ross. The ex-officio members of the Board are: Hon. S. N. Parent, Quebec; Hon. J. A. Gagne. Chicoutimi; and G. Tanguay, M. L. A.

The holders of the prior lien bonds, of the first mortgage bonds and of the income bonds of the company met in London, Eng., June 27, for the purpose of considering the acts passed by the Quebec Legislature at its last session amending the company's charter so as to permit of a further issue of prior lien 4% bonds to an amount not exceeding £300-000, to be used, when required, for capital purposes only. J. G. Scott, General Manager, explained that the present bonded debt of the company was £200,000 of 4% prior lien bonds, £442,400 of 4% to 5% mortgage bonds, and £640,400 of 6% income bonds, secured by mortgage upon 240 miles of railway, on the valuable terminal property and docks at Quebec, and on the rolling stock. The interest on the prior lien and mortgage bonds had been regularly paid, and the directors hoped that before long they might be able to pay something on the income bonds. The receipts of the road were growing steadily, and the net earnings last year showed an increase of about £6,000, not withstanding some unusual expenses in operating. The road had been worked with great economy, its operating expenses per train mile for the year ended June 30, 1903, being 90c., against \$1.17 the average for the whole of Canada. Although the authority for issuing £300,000 of additional prior lien bonds had been obtained, so far as the Legislature was concerned, it had been decided by the board that the issue should at present be limited to £150,000, and that no further issue should be made until the bondholders had been again The new works contemplated included the construction of a mile of line from Roberval station to the wharf on Lake St. John, estimated to cost \$14,600; and the construction of a branch of 38 miles to La Tuque, at the head of navigation of the St. Maurice. River, estimated to cost \$638,944. Assuming the value of the land grant from Quebec at \$1 an acre, the total cost of

(80) W. S. B., Quebec, writes:

The Quebec & Lake St. John Railway some years ago bought two consolidation engines at Kingston. Two pairs of drivers were under the fire box and gave considerable trouble. Later the M. M. removed the rear driver. A says that the engines lost some of their tractive power, while B says there is no change. Who is right? A.—If in removing the rear drivers the weight was equally transseferred from the rear drivers to the remaining drivers, the tractive effort remains the same, and the engine should do better work when once under way, as there is less resistance from friction due to the removal of one pair of rods and wheels. The fewer driving wheels an engine has the better for free working. If there is weight sufficient to keep them from slipping, one pair of drivers is most desirable.

> Railway and Locomotive Engineerin December 1903

Quebec and Lake St. John Ry .- The extension of the line from Roberval station to the Government wharf on Lake St. John, Que., about one mile, was experted to be completed early in Sept. The route is level, with the exception of about 1,700 ft. of 1% grade compensated. The location surveys for the La Tuque branch are expected to be completed early in Oct. The length of the projected line is 38 miles, and the surveys made showed that the grade would be 1% compensated, and that the maximum curvature would be 6 degrees. It is expected that tenders for construction will be awarded at an early date, and it is desired to have the line completed and in operation by Sept., 1905. The distance from Quebec to La Tuque by the new line will be 118 miles, against 174 miles by the present route from Quebec to Grandes Piles, via Three Rivers, and steamer from Grandes Piles to La Tuque. (July, pg. 235.)

September 1904

December 1905

RAILWAY DEVELOPMENT

(Continued from page : 111.)

about 74 miles in length. It will run north for about half a mile from the bridge, and then through Cote St. Francois, parallel to the highway from Quebec to Cap Rouge. At about 21 miles from the bridge the line turns north east, crossing St. Foye and and going through St. Felix du Cap Rouge, and Cote St. Michel to the proposed janction. Practically the first five miles is solid sock and earth stripping the last couple of mates being light work. The principal bridges are misage three, a 30 ft span over the highway; at mileage four, and near mileage five, bridge over the Ruissean La Song River The steepest gradient is 1 of 1% and the maximum curveture 6° Schell, Kennenty and Lowillian have the contract for this

The branch line between St. Epiphoxic and St. Jacques l'Achigan, mpon which track was laid in 1904, has been completed, and was

opened for traffic Oct., 25.

The Great Northern Ry, at present secures its entrance into Queler over the line of the Quebec and Lake St. John Ry., but has completed surveys for a direct line from Eur ill's siching, milenge S5.7 from Montreal into Quebec, so as to secure un independent entraisee. The first proposal was to construct a cut off from Corners Jet. 37.7 miles from Montreal, to St. Catherines, on the O and L St. J. Rv., milenes 173 t from Mon-treal; and a later project was to construct the line from Shawenegan Falls, 95 miles tross Montreal, to Quebec. The new line from Burriff's siding to Quebec will be about 100 miles in length. The heaviest gradient going east will be one-half of I , and good west 0.4%, and the curvature will wary from 30 minutes to 1°. Tenders have been asked for the construction of this line. The pg. 409.)

December 1905

Quebec and Lake St. John Ry.—The London, Eng., stock exchange has been asked to list a further issue of £40,000 prior lien 4% bonds of this railway, numbered 4,251 to 4,650.

The question of the control of the Q. and L. St. J. Ry. has been the theme of considerable discussion in Quebec for some time past. It has been stated that Mackenzie, Mann & Co. have secured 51% of the common stock, but up to Dec. 20, no official announcement had been made to that effect. The nearest to an official statement is an interview with W. Hauson, one of the directors, through whose brokerage firm in Montreal the purchase was said to have been made. Mr. Hanson is reported to have said that the railway had not been sold. One report states that the price paid was \$34 per share. The capital stock of the company is \$6,000,000. Another report states that there is a movement also in progress for the purchase of the Quebec Ry., Light and Power Co., and its amalgamation with the Q. and L. St. J. Ry. The Quebec Board of Trade, at a meeting held Dec. 11, passed a resolution setting out that any change in the management of the railway would not be in the interests of Quebec, and that as the Province contributed \$2,-500,000, and the city of Quebec \$450,000

January 1907

Quebec and large statements alent 15 miles. There was a long six in the

> December 1906

any this been formed in connection with the Quebec and Lake St. John Ry. Joc. the purpose of acquiring the steamers which at present run between Roberval and points on Lake St. John, purchasing additional steamers and opening routes up on the Peribona, Mistissani and Ashnapmouchan Peribonea, Mistissoni and Ashnapmouselan rivers. A charter has been applied for under the Quebec Companies. As a meeting held Jan. 17, officers the directors for the current year were electron library. President, H. J. Lyons. Figure President, C. Scott: Second Vice President and Managing Director, R. Dupout. Third Vice President. F. Y. Larreche: Secretary and Traffic dent, F. X. Laroene: Secretary and Traffic Superintendent, T. L. Marcourt: Purchasing Agent, H. B. Locke, other directors: L. L. Guriy, L. Lindsay, H. Gagne. The company proposes to operate its steamers on comes aggregating about 200 miles, and at the opening of navigation will have the three steamers. hitherto on the lake in service. Later in the season there will be added light draft, flatbottomed, stern-wheel steamers, now being built for the company or the Poison from Works, Toronto. These steamers are being specially hunt so as to be able to reach the furthest points of settlement in the discreet thering the period of his water. Consideration is being given to the insuguration of a line of freight and passenger steamers to run between Charactisti and River du Loup, and so afford a continuous round trop of the Sugmenty River. The title of the company is the Lake St. John Navigation Co. It has placed an order with the Polson from Works. Toronto, for the construction of two light draught, the bottomed, stement steamers for the over traffic from Robertal Que on Lake St. John. One steamer is to have a length of the fe, by 17 ft, beam, and the other 100 ft. long, by 20 ft. beam, and to have a draught when kended not exceeding 18 inches. The hulls are to be of steel, and the stemwheels are to be driven by engines of sumable power to give a speed of 10 miles an hour against the current. These steamers are to be completed in Toronto, then packed in sections and conveyed to Robertal, where they will be put together and put on the lake The order was placed by R. Dupout, and H. B. Locke, Manager and Purchasing Agent respectively, Jun 25, and it is expected that the steamers will be delivered at Robertal and part together in time for the summer backness. They are to be specially equipped for the colonization business in the Lake St. John country Messrs Dupont and Locke west on to New York from Toronto, to endeaver to arrange for the purchase of one or two scansers, which it is proposed to place on a route from Cheomium, to tun se the Sekacany River The company at nevert owns the following steamers—Mistassini, built at Robertal Que. 1881; safe wheel cagines 220 hp. length, 130 ft. orenship 22.1 ft. depth, 3.2 ft. tomage, gross, 235 toms register, 148 toms Peribonica, built at Robertal Que. 1882 with wheel engines 25 h.p.; length 80 ft., breadth 21.8 ft. depth 6.2 ft. it commande grows 179 tons; register, 113 tons; and the Colon, Roberts and Members. THE PART OF THE PA

February 1906

The first of the new steamers for the Lake St. John and Sagarnay Navigation Co. was at Roberton, Lake S. Tono, Com., July A. The account was referred by a dispers of which the principal great work the Province cal Minister of Colombustics, members of

the provincial legislature and representatives of the Q9LSJ Ry

HUGUST 1906

Quebec and Lake St. John Ry.

This hae, the control of which has been secured by Mackentin Mann & Co. was opened from Quebec to Cost #4, 25.5 miles, in 1571, that section being and with worden rails. In 1880 it was reconstructed and extended to St. Raymond, W miles from Queless. From 1884 to 1888 a further extension. was built to Roberval, and in 1898 the east ern extension was completed to Chicoutini. A branch is under construction from leannotte to La Tuque, about 40 miles, on which 16.75 miles of rails were laid in 1996 branch of a mile to Roberval what and the Gosford branch of 1.30 miles were also built in 1906. The bonded debt on Dec. 31, 1905, was as follows: \mathcal{L} 30,000 prior ben 4% 20 year (100 coupon bonds due April 21, 1921; 7,442,000 1st mortgage 5% 7,50 and 7,100 bonds due Dec. 31, 1924, ranking after prior lien bonds; [040,000-5%] [50 and [100 income bonds due Dec. 31, 1924, interest payable if carned. The interest on the 1st mortgage bonds, payable Jan. I and July I, was at the rate of 4% a year till July, 1905.

The statistics of operation for the year

April 1907

MAY 1906

t .

*

Quebec and Lake St. Lake By. — Track has been laid on the La Trape branch as far as lie Anti mik from La Torre inochen, Que. and work is in progress upon the remaining to miles of the formers, which will and at La. Transcription Track was built on 10 Thereign entracter. The Costoni branch was extended 1.75 miles during 1996, and now ends at 5.50 miles from Valentier station. Convers Quelves is the contractor. branch from Roberval station to the Government what on Lake St. John, one mile has lecs continue.

> January 1907

towards the construction of the line, the Provincial and the city government should have something to say in the direction of the policy, in its control, and in the retention its policy, in its control, and in the retention of the head office, work shops and management in Quebec city.

January 1907

Farmings for Jun. \$25,844, against \$

April - 1907

MAY 1907

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. The 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-

contractor, J. Paquet, and by his sub-contractors, 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 deal of rock being found where test pits have led the engineers to expect earth and gravel Track is now laid to mile 30, and the grading thence to beyond mile 39 is almost completed, so that trains should be running to La Tuque not later than July next, and possibly earlier. The contractor is running regular trains to the end of the track, and the construction of the National Transcontinental Ry, having been commenced at La Tuque, men and material for this work are now being sent forward over the Q. & I., St. J. The water power at La Tuque has been purchased by a syndicate of U.S. paper mill manufacturers, who have also purchased from the company the land grant of 158,000 acres given by the Provincial Government to aid the construction of the branch to La Tuque The same purchasers have also acquired a large area of timber limits on the St. Maurice 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 5½ 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 It is expected that this branch will be of great use in helping 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 ballasting of the main line from Lake Bouchette to Lake Edward was completed last year and also a portion of the ballasting south of Lake Edward. Concrete and steel bridges Lake Edward. Concrete and Stondeau and have been constructed at the Rondeau and Jacot Rivers. The new dock at Quebec for Jacot Rivers. The new dock at Quebec for Jacot Rivers. the accommodation of canal hoats and other light draught vessels has been completed. This dock is 700 ft. long, and is proving of very great benefit in accommodating the export trade of the railway. The yard at Quebec in rear of this dock has been nearly filled up, thus giving the railway a considerable increase in its yard accommodation. The pulp and cardboard mills and saw mills at the different points on the railway continued to be operated during the past year, and logs have been got out during the past winter to furnish them with a considerable increase of business. The colonization movement to the Lake St. John country has made satisfactory progress, and the Dominion Government is

June 1907

RLD

sad Lake St. John Ky

Brieft is now last to mile 30 uset the grafting theme to be even mile 10 is almost completed, but the trains about 10 is almost completed at that trains about 10 is running to be trained in the trains and prosting of the confer that the confer that the confer that the trains we the confer to the trains as running regularities as the confer to the trains as the confer to the trains as the confer to the trains and the confer to the first that the confer to the first that the confer to the first that the trained for the trained for the first that the confer to the confer t the water power to lie Torpos his beste purchased by a symptotes of the power till from the sections of the body of the water partiased by a symptotes of the power till from the contoning the body for the province of the torn to the body as a fine term of the torn to the body the contoning of the terms of the torn to the body the contoning of the terms o

的原则的 14 年 15 年 16 日

June 1907

a | Printed | Second Consumer | C

Following at the officers and dispersion of the current year is realised. It is dispersion for the current year is realised. It is dispersion for the current year is a large of the current year. It is desired the current year is dispersion for the current year. It is desired the current year is desired to the current year. It is desired to the current year is desired to the current year. It is desired to the current year is desired to the current year. It is desired to the current year is desired to the current year. It is desired to the current year is desired to the current year.

If will be not use that a manufer of changes were made in the directories. Consequent on the directories are consequent on the control becomes been sentented by Marketon.

Jane 1907

Metalogic lines Property of the second The constant of a constant of the second en a comment and the second t to 🕻 indicate the second constitution the actual many property of the the arrangement that he was all significant and interests o<u>be</u>the links on in a reflect to conservate at a finite constraint exalte for the second of the first of the feet of the second of the seco Other and Later St. John 1881 and Later Dougeresse of the life research of the second and there's it the Palp Co under the Da-

August

1907

The state of the s

August 1907

Net

Quebec and Lake St. John Railway.

The Gosford brauch, extending from Lorette to Clark Settlement in the Riviere aux Pins Valley, 5.75 miles, was opened for traffic Aug. 1. The locomotive drawing the train which carried the official party over the branch was the E. Beaudette engine no. 1, which was the first to run on the old Gosford wooden railway in 1872. In the course of his speech at the public dinner, with which the event was celebrated, J. G. Scott, General Manager, said: "We are met to-day for the purpose of inaugurating a work which is the completion of a work begun in 1870. I refer to the Gosford wooden railway, built by Quebec capital raised with much difficulty by Sir Henri de Lotbiniere and M. W. Baby, with the aid of J. B. Renaud, J. Ross, Hon. P. Garneau, H. Fry and others who have since gone to their rest. As happened since with regard to the main line, the promoters of 1870 had to rely upon the energy and the financial pluck of a U.S. citizen to build the road as contractor and they secured the 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 the main line. Mr. Hulbert was ably seconded by local engineers—the late C. A. Scott, J. Sullivan, H. O'Sullivan, and the late Mr. Stocking, and the wooden railway was built. It was not a success, but it caused the construction of a much larger public work, namely, the Lake St. John Ry., which has been of untold benefit to the city of Quebec. When the Lake St. John road was undertaken it was found that the Gosford end of the road was unsuitable for a through line, and the Gosford reverted to its primeval solitude. But the wealth of timber contained in the township of Gosford, and the large population isolated in the valley of the Riviere aux Pins settlements known as St. Gabriel West, commanded attention, and the result is the construction of a branch line from Valcartier station to Gosford, the first section of which we are inaugurating to-day. Not only will this branch be valuable in exploiting the 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 hest quality of fuel for the city of Quebec and for the rich parishes of Lorette, Charlesbourg and Beauport 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 cultihundred 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 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 Ry, has resulted in an expenditure of \$10,000,000, and in the commercial salvation of Quebec through the control of a great back country

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

September 1907

Quebec's Future as a Port.

The future of the port of Quelex was the subject upon which a lengthened interview was recently given by J. C. Scott, Cameral Manager of the Quebec and Lake St. John Ry. In his view the future of the part is livered up with the development of the great territory northward and castward and westward. The best railway to enter this territory was the Quebec and Lake or John Ry, and it has done a great work in opening up land for settlement, in creating trade and adding to the wealth of the community As a result there were, it was chained, as Arast 10,000 men working during the present Winter along the line. The construction of Mr. Transcontinental Railway would bring Waterge amount of trade to the part, while The Camption Northern Ry would also make the part a shipping trunt ninus its transcental line. Then there was also the projected Trans-Canada Ry., with a coate 100 to 300 miles further porth than the transconfinental G.T. Pacific Ry This would be the shortest route from Fort Supan to the Athentic coast. It might seem Uropian to popular of a fourth transcentinental line, but he was of opinion that there would be business for it. The wheat belt of the great North-west extended 400 miles further north than the projected radway, and being over 300 miles north of the U.S. boundary would be a safer indicacy line than any of the others.

The vital guestian for Quelet, however, Mr Sente said, was terminals at the part It would take quite as logg to construct the dicks elevators and other terminal facilities as it would to complete the National Transcontinental Ry. Universities terroragis yere ready when the railway was the traffic Would be diverted elembers, and less entirely. The Terminal Company had a plan hat a splendid system of darks stretching from Diamond Harbor to Silver, and the Constitution work should be undertaken without delay. The Louise docks are insufficient even for the comparatively small trade brought to Quelier by rad at the present time, and the proposed extension of these docks on the St. Charles side will be momentum much has the humbers of the CPR and the Canadian Northern Ry in see describe the see

April

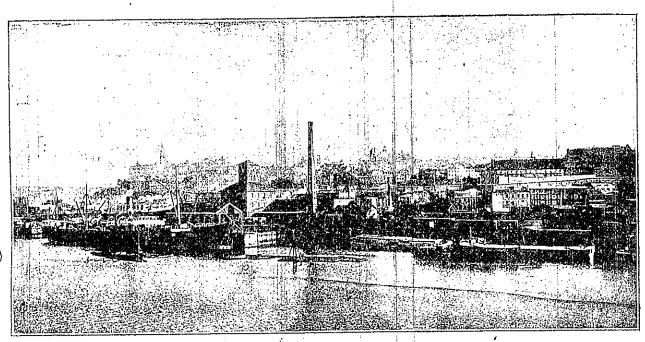
amadian Northern Terminals at Quebec.

The recent acquisition by the Canadian forthern Ry, interests of the control of suebec and Lake St. John Ry, stock puts

dian Northern million bushel elevator adjoining the Custom House. On the north side of the River St. Charles, at Limoilou Jet., the company owns, within a few hundred feet of its city terminus, 53 acres of very valuable level ground, which it is intended to utilize for machine shops, car works, shunting grounds, car storage and the live stock trade. At the western end of this ground the Canadian Northern Quebec Ry.'s new line, which will be the shortest route between Quebec and Montreal, diverges, and running west reaches Cap Rouge and the northern approach to the cantilever bridge under construction across the St. Lawrence, and passing under the G.T. Pacific Ry., continues from Cap Rouge westward to Grand Mere, Shawinigan, Joliette and Montreal.

large locomotive water tanks of 40,000 galls, capacity each have been erected. The contractor was; Joseph Paquet, Levis, Que., who sublet a portion to O'Brien and Fowler; the steel bridges were constructed by the Dominion Bridge Co., Lachine, Que. A. E. Doucet, Chief Engineer of the company, had general charge of construction, M. Jacquemart being resident engineer.

G. Lemoine, Vice-President of the company, occupied the chair at the public dinner with which the opening was celebrated, and referred to the absence of the President, D. B. Hanna, which was occasioned by that gentleman desiring to leave the proceedings in the hands of the old directors, who had planned and arranged for the construction of the branch. The toast list in-



CANADIAN NORTHERN QUEBEC RAILWAY TERMINALS AT QUEBEC.

he C.N.R. in possession of the best and rgest terminals in the city of Quebec, and In system of docks and deep water shipping ceilities which could not be duplicated without an enormous expenditure of money, he terminal property is situated in the cart of the city, near to the Chateau rontenae, and to the residential quarter, and at the same time in proximity to the miks, wholesale houses, grain elevators and docks of the commercial section. It stends from the gas works on the River St. marles towards the Custom House on the Lawrence River front, contains an area 1 370,000 ft. of the most valuable property , the centre of the business portion of the ity, and has a frontage of over 1,200 ft. In the Princess Louise Dock. A deep water tharf with a depth of 29 ft. at low tide wers a portion of this frontage, so that the argest ocean steamers load and unload argoes opposite to the railway station. he rails for the eastern section of the National Franscontinental Ry, are unloaded at this lock and thence forwarded by rail to La sine, Hervey Jet., and other points where playing is in progress. The rest of the proge of the property is covered by a new rourf which gives accommodation to pro-ellers from the Upper Lakes, and to a great fleet of canal boats which carry pulpgood and sawn lumber to the United States. racks lead from the terminal property to all mints on the Louise docks, the C.P.R.

· Quebec and Lake St. John Ry.

The official opening of the La Tuque branch took place Nov. 30, when a special train carried a party of directors, officers, members of Parliament and business men from Quebec to the St. Maurice River Falls at La Tuque. The branch leaves the main line at La Tuque Jet., at mileage 78, a little north of Miguick station on the Batiscan River, and runs to La Tuque, the head of navigation of the St. Maurice River, 40 miles. The line crosses the Batiscan River, and runs up the Jeannotte River, one of its tributaries, thence crossing to Lake Wayagamack, and follows the discharge of that lake to the St. Maurice River at La Tuque. At the point of departure from the main line the elevation above tide water is 890 ft., the elevation of the summit is 1,186 ft., and at the terminus the height is 560 ft. The line has been constructed in a most substantial manner, the embankments being 16 ft. wide and the cuttings 22 ft., the steel bridges being built to the highest Dominion Government specifications. The maximum gradient going west is 1%, and coming east 1.25%, while the sharpest curve is 80°. The quantity of rock excavation was approximately 370,000 cubic words, and the fearth execution program. yards, and the earth excavation approximately 1,200,000 cubic yards. The line is heavily ballasted throughout. A commodious station and freight sheds have been built at La Tuque: way stations and sec-

cluded the Provincial Government, by which the company had been liberally aided, the O. and L. St. J. Ry. officers and directors, the Chief Engineer, the contractor, the Canadian Northern Ry. Co., which now controls the Q. & L. St. J. Ry., and the Quebec and St. Maurice Industrial Co., which is developing the resources of the district through which the branch passes.

The St. Maurice River is navigable from La Tuque southward to Grand Piles, about 70 miles; but from that point to Three Rivers, where the St. Lawrence is reached, the river is broken up by numerous rapids and falls, making navigation impossible. Several steamboats at present trade on the river, but it is intended to put on some larger ones and to develop the tourist business. The La Tuque Palls are 90 ft. high, and it is estimated that from 90,000 to 100,-000 h.p. can be developed by their utiliza-tion. The Quebec and St. Maurice Industrial Co. has been formed to develop the power, and has entered into a contract with the Provincial Government to expend \$500,. 000 upon the work within three years. A pulpwood industry has already been started and a contract has been entered into by which the railway is to receive 4,000 carloads of freight annually at La Tuque, for nine years. The construction of the Eastern Division of the Transcontinental Ry, east and west from La Tuque, is providing considerable freight, and will do so for another couple of years. (Nov. 1907.

prince and Lake St. John Ry.—The Don Patliament at its recent session i subsidies in aid of the following is this lies in aid of the following is lines: From Valcastier station to intestines. One out exceeding 3.8 from Valcastier station towards red, not exceeding 5.50 miles from uni of the 35th mile of the branch to think, on the River St. Maurice, to La Falls, not exceeding five infeq; and a point on the La Thique branch to combot on the La Thique branch to combot aming near La Thique, salting I O miles; a total not exceeding I/O miles. The branch to La Thique had the Deen completed and some continuous tion work has been done on the Sk. rines and Gosford branches. stimes and Gosford branches
a subsidy voted in 1908 for the content of a line of railway from Robthe present temmad of the line on
Si. John, westerly towards James
tot a distance of 100 miles, was tethe subsidy art also provided
cours towards the construction of the
sing imes: From Hebertville to St.
id Alma, not exceeding 10 miles,
der a line from Cheomium, south or
neast not exceeding five miles.

Builtament less session voted =
to forthe CANG, Ry for a line from
string lot, to Quebec with a branch
towards the Quebec Bridge not extowards the Quebec Bridge not exrines and Gosford branches. once not exceeding 70 miles, voted in Great Northern Ry of Canada in Great Northern Rx of Canada in A subsidy was also woted to the Ry threads the cost of the cost of a line from Montreal Que, wheshery Out, not exceeding the and so the Great Northern Rvs of Schools is one of the costaturate of the Canada Can Descriptor Parliament voted were U.V. By of Cassile towards tacked of a line front of near the point in the basted towardspr

Canadian Northern Ry. Construction.

Quebec and Lake St. John Ry .- At the resession of the Quebec Legislature, sufwe were voted in aid of the following lines . ; branch from the main line at Charlesorg to L'Etang, on the Montmorency River, reales, a subsidy at the rate of 6,000 acres Land, not convertible into money, to coma 38 of its line from Valcartier to Steherme, a subsidy at the rate of 3,000 acres and per mile, not convertible into money. ten of the subsidy voted in 1946, for a uch line from Valcartier station in the ection of Gosford tp., 2,000 acres of land · mile, not convertible into money; and for stension of 12 miles of the Valcartier m b to Gosford tp , including a branch of at miles to Riviere-aux-Pins, in the parish & Cabriel West, 3,000 acres of land per to in hea of the subsidy voted in 1966. In nuection with the second and third lines sandwed, it is provided that the lands are. ared on condition that the company shall thish a free passage by the building and entenance of the bridge over and the agmehes on both sides of the Jucques Cartier ver, for foot passengers, vehicles and anils, at or near the old railway bridge over · river, according to plans to be approved the Government

the La Tuque branch was formally taken or from the contractors May 1, and the conservice is now being operated by the upparty.

Canadian Northern Queber Ry. The Que-Legislature, at its last session, voted a workly of 3,000 acres of land not convertible to money, in aid of the construction of a allow from St. Jacques to Rawdon, and

With regard to freight business, there is a lecrease in the number of cars of pulpwood arried, and an increase in shipments of Julp and paper. The decrease in pulpwood was merely incidental to market conditions, which led to many paper mills in the U.S. neing temporarily closed. This has pro-luced some effect upon the movement of general freight, such as supplies for men-ngaged in pulpwood operations. The inngaged in pulpwood operations. rease in the shipments of pulp and paper s partially due to the establishment of new milis at St. Raymond and Jonquière. in all respects the relation of the company o the pulp and paper industries is exceed-ngly favorable. The U.S. is the largest consumer of pulpwood and its products. In that country the rapid diminution of the supply of timber has seriously alarmed the public, as well as those engaged in the business, and the territory served by the railway is more and more looked to as the source of supply for the U.S. paper market. The construction of the La Tuque branch line furnishes an admirable instance of the development of the timber resources of Northern Quebec. The water-power on the St. Maurice River at La Tuque, which is capable of developing 80,000 h.p., has been acquired, by a powerful syndicate of U.S. paper manufacturers, who have also purchased 158,000 acres of the land granted your company, and have undertaken to erect nulls and works for utilizing the timber grown upon that large area of land. By agreement with the syndicate the railway company will get the benefit of the carriage of their output for a period of years. The La Tuque branch brings into commercial utility the whole of the region of the Upper St. Maurice River, with its merous tributaries and water-powers, and ale directors look for rapid increase of busiiess in this direction. Already a flourishing town has been established at La Tuque. and, as the National Transcontinental Ry. crosses the St. Maurice at this point, and a physical connection has been made by it with your railway, the construction of that railway will furnish, for some time to come, much profitable traffic to your company. The development at La Tuque is likely the repeated at other rails on the railto be repeated at other points on the railway, as various U.S. capitalists are in negotiation over pulpwood areas, and new industries are projected at Metabeteliouan, Quiatehouan and Chicoutimi. The diminution of the world's supply of pulpwood has led to a much more careful policy of enting the timber than prevailed a few years ago. It has been demonstrated that, with judicious cutting, the same territory is again soon available for further cutting. The exploitation of pulpwood territory, therefore, means permanent industry and population, and therefore, continued revenue for the railway.

There is a steady increase in the amount

of business derivable from the colonization of the Lake St. John region, and the repatriation of French-Canadians who migrated to the New England States, has been considerably accelerated by the unfavorable industrial conditions which have prevailed there. The Dominion Government is continuing its policy of encouraging settlement of the rich lands around the lake, and a proposed extension of the line from

berval will, if carried out, not only pro-ce considerable additional traffic for the railway arising from the development of agriculture over a wider area, but will bring into business large additional areas of timbered lands, and will also secure better means of access to the mining districts Emeans of account Lake Chihougamoo, of the wealth

337.34, showing that the net earnings fell short of the fixed charges by \$46,010.35. This is partly due to the fact that whilst the interest on the prior lien bonds, amounting in principal to £150,000, representing the amount expended in the construction of the Lu Tuque branch, is charged to net earnings for the fiscal year, the branch was not operated by your company, and there-fore no revenue appears in the statements under review. As previously stated, how-ever, the directors anticipate with confidence a profitable return from the construction and operation of this branch.

The officers and directors for the current year are: President, D. B. Hanna; Vice-President, Z. A. Lash, K.C.; Secretary, W. H. Moore; other directors: L. W. Mitchell, J. D. Morton, F. C. Annesley, A. J. Mitchell, F. Nicholls, Toronto; Hon. J. Tessier, E. Beaudet, Quebec; J. G. Garneau, Mayor of Quebec, ex-officio; G. Tanguay, M.P.P., and Hon, P. A. Choquette, representing the Quebec Government, and Mr. Justice Gagne. Chicoutimi, representing that municipality, The only changes on the board are the substitution of L. W. Mitchell and J. D. Morton, of Mackenzie, Mann & Co.'s Toronto staff, for G. LeMoine and J. T. Ross, of Quebec. Last year there were two vice-presidents, G. LeMoine and Z. A. Lash. This year Mr. Lash is the only Vice-President. J. G. Scott, General Manager and Secretary, having resigned, the position of General Manager has been abolished, and W. H. Moore, Secretary of the Canadian Northern Ry. Co., etc., has also been appointed Secretary of the Q. & L. St. J. Co.

August 1908

Ha Ha Bay Ry. -The development of a deep water harbor, available for oceangoing, steamers, at the head of the Saguenay River, has been looked forward to for years. When the Quebec and Lake St. John Ry. was extended to Chicoutimi, it was thought that a harbor might be developed there. A considerable amount of dredging was donc, but it has been found impossible to secure a sufficient depth of water and suitable approaches. The Quebec Legislature passed an act authorizing the construction of a railway from Jonquieres, on the Q, and L. St. J. Ry., to St. Alphonse, on Ha Ha Bay, and subsidies in aid of its construction have been voted by the Provincial Legislature and by the Dominion Parliament. The promoters of the railway include J. G. Scott, J. E. A. Dubec and B. A. Scott, who were associated with the construction of the Q. and L. St. J. Ry., and the development of the industries in the Lake St. John country. Proposals for the construction of the line have been under consideration for some time, and it is said that a contract has been arranged. A meeting of shareholders was called to be held Sept. 2, when various matters in connection with the organization of the company, and the letting of a contract, were under consideration. October (Sept., pg. 615.)

1908

P711

Mortgage balance on new terminals property Mortgage La Tuque lands

5,000.00

40,176.78 Outstanding accounts due 180,567.23

Ont., Mar. 21, 1855.

W. Y. Soper, director Ottawa Electric Ry. Co., Ottawa, Ont., born at Oldtown, Me., Mar. 9, 1854.

E. J. Travers, Manager British Colum-Car Service Bureau, Vancouver, B.C., mat Hamilton, Ont., Mar. 31, 1872.

W. F. Tye, ex-Chief Engineer C.P.R., Montreal, born at Haysville, Ont., Mar. 5, 1881. Outstanding account by company
Profit and loss account prior to reorganization (expended in betterments)

must be

with the depression in pulp and lumber industries inevitably retarded the devel-opment of this property; and there is no

immediate prospect of extensive works

at the La Tuque Falls being undertaken.

Meanwhile the outlay on maintenance

During the year the wages of trainmen were further increased by the arbitration board appointed under act of Parlia-ment; and further considerable expendi-tures have been incurred in bringing the

equipment nearer to present-day require-

continued.

G. W. Vaux, General Passenger and Ticket Agent G.T.R., Montreal, born at

Montreal, Mar. 21, 1866.
D. O. Wood, General Freight Agent for Ontario, Allan Line Steamships, To-ronto, born at Kleinburg, Ont., Mar. 16, 1864.

Quebec and Lake St. John Ry. Report.

The annual report has been issued over the signature of D. B. Hanna, President, as follows:--

The result of the operations for the year ended Dec. 31, 1908, are:— Gross earnings-

Passenger traffic \$221,472 Freight traffic 348,871 Express, mail and miscellaneous 35,908	91
\$606,252 Working expenses (including taxes, etc. \$527,380	40
West earnings \$78,872	0,7

To Main line and equipment ... Dominion 213,624,612,27 Govt. bonus.\$1,002,999.50 Provincial Govt. bonus. 2,368,816.88 Town of Chiutimi bonus 12,000.00 3,383.816.38

\$10,240,795.89

terments, ter-fails and new sulpment Tagne branch 1,732,172.77 Dominion 1,421,261.52

49: \$150,528.00

ful sale of La Tuque	٠
470,086.26 621,214.26	800;047.26
Bt. Joseph Hotel stock	44,772.26
and bonus	8,000.00
water works	1,125.22
Transport Co. stock	3,622.55
branch wharf	12,17.08
La Tuque	13,008.78
Pikopagami	7,161.68

2031	420,000,000	
Control lines (Gosford and Control bonds) Trecelvable Lines hand Control and other stores	127,800.00 328,100.00 83,818.72 .22,135.99	
建设 商均分2.5000000000000000000000000000000000000	105,954.71	
distrance uncarned	2,594.16	
Northern debenture Laurentian Railway Laurentian Railway Laurentian Railway Laurentian Railway Laurentian Railway	1,050.00 9,253.38 19,121.68	

\$12,863,323.49

36,013.18

and loss	148,000.00
	\$13,641,864.39
empital stock\$4.	
August Quebec stock	433.333.33
KENE#EGTERAGE DONGS Z.	193,010,00
bonds 3.	,116,613,34 \$12,226,960.00

ince tonds,		127,800.00
way	7	741.65
Maque and Gosford		
	114,405.81	
irest and betterment	240,581.97	•

honds

S211191 **-	
Deceu	han
PERCEST ON	capital ac-
	Tuque and
	Tudne und
and the desired of the latest terms of the lat	nches, and meet inter
	in care con a miner
EXECUTE 10	meet inter
COLUMN TO A	and other
25 V. J. S. C.	witer Artifer

384.599.78 22,051,41

The shareholders will observe a change in the form in which the accounts are 567,807.69

and unremunerative service

reason presented. The only change was that the newer form is that which is prescribed by the Minister of Railways for Canada.

INCOME ACCOUNT.

Outstanding accounts due	180,567.23		INCOME ACC	COUNT.	
by company		December	· 31, 1908.		\$97.333.31
prior to reorganization	91,159.		prior lien bond first mortgage b		
(expended in betterments)	31,103.				
	\$13,641,864.39	Hanson Br	cos., fees as agen a, Currie & Co., hare Trust & Ag	ts in Usnada.	997.67
•		Railway S	hare Trust & As	zency Co., fee	
Your directors much regret	tnat both	as viusic			
gross and net earnings for the	year snow	T-taract an	hills navahla		4,333.84
lecreases, the gross earnin 56,870.57, or 8.58%, and the ne	gs veins + parnings	Interest of	n terminal mort	st notes	7,686.77
\$84,454.92, or 51.78% less comp	ared with	Bad debts	equipment true written off		1,617.40
the previous year's figures. T	he falling	J. G. Sco	tt (account sala	гу)	6,000.00
off is due to the trade depress	ion every-				230,273.19
where, and specially to the	decline in	January	1, 1908.		
shipments connected with the	manufac-	By Balanc	:e		\$1,940.13
ture of paper, pulp and lumber	the fluc-	December	r 31, 1908.		78 872 07
tuations in which are beyond t	he control	Interest a	igs		807.19
of any transportation comp	any, and	Balance .			, 148,653.80
which have been smaller in N	orth East-				230,273.19
ern Quebec than in any other	pulp and		GROSS EAR		4200 ,210.20
lumber district. The situation	was fur-	1907.	Clear	1908.	%
ther aggravated during the ear	ly months	\$203,563.02	Passenger	\$221,47	2.34 36.53
of the year by the prevaler	ice of un-				
usually severe snowstorms,	which in-	9 405 80	Mails Express Miscellaneous	10.01	7.21 01.65
creased operating expenses ve	ry largely	29,956.02	Miscellaneous .	10,77	3,22 01.78
in the effort to keep the line	open for	$\overline{}$			
traffic, the operating expenses	compared	\$663,123.04	Total OPERATING E	XPENSES.	32.4) 10.00
86.99% of the gross earnings, with 75.37% for the previous ;	compared The	1907.	Class.	1908.	%
with 19,0170 for the previous;	s is\$20 -	\$91,201.29	Maintenance of a	way and .	a ca en as
increase in passenger receipt 183.00, or 8.91%. This is in	face of a	67 015 72	structures Maintenance of		3.60 21.03
decline of 8,681 in the number	er of pas-	01,010.10	ment	78,26	3.97 14.84
sengers carried, and is due t	o a read-	9,795.42	ment Traffic expenses	10,28	7.10 01.95
justment of fares, which c	ounterbal-	293,142.70	Transportation General expense	expenses 296,09	0.19 56.15 5.54 05.97
anced the disadvantage of a	falling off,	16.010.51		*****	
caused by diminished lumber		\$499,796.05	Total	\$527,38	0.40 100.00
tions, in the number of passe	ngers car-		ARY OF EARNING	GS AND EXPE 1908.	NSES.
ried and increased the ear	rnings per	1907. \$663.123.04	Class. Gross earnings	\$606.25	2.47
passenger train mile by 9c. T	he freight	499,796.05	Operating exper	nses 527,39	0.40 86.99
business declined, both in to	ns carried	162 226 00	Net earnings .		72.07 12.01
and the earnings per traffic	rain mile;	103,320.93	ner ermings .		100.00
the tonnage to the extent of 4	mile from		FREIGHT T	RAFFIC.	
and the earnings per traffic	ing upest-	0		Tons, 1908.	l'ons, 1907. 28,700
\$1.93 to \$1.57. But this show isfactory as it is, would have		Pulpwood		. 45,129 . 53,636	50,280
worse if your directors had fu		Sawn lum	ber, square timb	er,	
poned the readjustment of re	ites, which	_ ties	reservice representations	67,610	106,140
was found to be absolutely n	ecessary if	Puip and	paper, brick a heese, grain, gen	na pr	
the methods of the railway	were to be		handise		181,437
brought into good commer	cial order.		:	500 400	000 555
The importance of this read			•	320,469	366,557
shown by the fact that the ea	ırnings per		PASSENGER		1007
ton mile increased from 1,22 t		Number	of passengers car	1908. cried. 352,419	1907. 361,100
28.69%. If instead of this		Number	of passengers co	rried	
the earnings per ton per mile	e the earn-	one mul	6	11,803,355	12,076,923
ings had been on the former	nasis, the	Earnings	per passenger pe per traffic train	mile 1.80c.	1.87c. .93c.
freight earnings would have	neen only		TREIGHT .	TRAFFIC.	
\$269,654.56, or \$79,216.95 less	than they	Total pas	senger train earn	ings.\$246,607.74	\$226,424.74
actually were. A considerable portion of	the loss on	Number of	of tons carried . of tons carried one	320,463 mile 22 102 83	366,557 33,358,96
working expenses was incur		Earnings	per ton per mil	e 1.57c	1,22c.
nection with the La Tuque bra		Earnings	per traffic train	mile \$1.57	
was undertaken on the assur		Total fre	ight train earnin		
its cost would be somewhat		Gross ear	PASSENGER AND rnings per mile o	f road \$2,245.3	\$2,751.55
half of what proved to be th		Operatin,	g.expenses per in	ile of	
in the expectation that the	e near ap-	road .		1,953.2 292.1	
proach of the completion of	the Quebec		ings per mile of a required per mi		2 677.71
hridge would soon secure to	the com-	road to	pay fixed charg-	es 849,8	7 876.1 2
pany a large freight busines			TRAIN N	ILEAGE.	
paper and pulp mills that		Mileage	of passenger tra of freight trains	ins 222,10	
constructed at La Tuque. Bu	it the dam-	Prince E.g.	OI ITEIGHT TRINS PENSES PER TRA	TELL TRAIN	
ages to the bridge, which po	siponea ior	Daintena	ince of way and	struc.	
several years the advantageo	etruction of	tures	and of againm	25.670 ent 18.060	c. 24.59c.
expectation of which the con the branch was undertake	n; together		ance of equipment of expenses		
the pranon was undertake		Transpo	rintion ernences		

There was recently offered for subscription \$2,350,000 Canadian Car & Foundry Co., Ltd., 6% first mortgage 30 year sinking fund bonds. The Royal and Dominion Securities Corporations. and Dominion Securities Corporations, which made the issue, announced that it was three times oversubscribed, although the books were only open for half an hour. The bonds were issued to provide for the purchase price of the Dominion Car & Foundry Co. and the Canada Car Co.

65.46c

Total\$1.21.57

General expenses

MARCH 1910

replaced and public St. Links, Collective 27.

feature in a lace and lighter relating to the oracles where the error 1846, incaded from it has problemed in the interpretation in the company of the error of th

	1995
\$220,007	5107
361.84	340,711
ar mark to be a second to the	13 327
	3 367
	31X 31X
	i di i
+3 6 x 3 x 3 x 3	3.0
1900年	
1 444	1. 97
+ 110	5 Lat.
	TULES
	and the second
5170 324	5\$5.C30
STATE OF	V
	366 363 13 817 15 155 25 693 1663 1663 1664 1667 1677 1677 1677 1677 1677 1677

The pre-bist for the cert vere \$17.5 c., agricus \$157,000 m 1905. The cert of its agreement during the very residual 200 agrance \$51,700 in 1906. The secure carriage per present event \$5.5 do event in 1905 are compared with \$7.5 do event in 1905 and per thereof refer \$2.000 even 1905. The team underted for the very 1905 was \$7.000 even \$1.000 and \$1.000 miles for the very 1905.

Υ.	st. 11	M. 199	13.04	12.0	4.00	SHE	2.15	Y3V		2	1.8(3)	253	22.0
ore:	Υ	W.							3	112.4	÷.	-	'nį.
ندن	1,000	300	ne Rie	OWN	per d	WX ->		State of	district.	1.7.3	0.6	42	1
									. 41.5		Y (3)		11.
_	. 1 24	421,123	100	347 74			2 6.30	2.		2:1940	- 24 15	71 6.	24.

	RE DW					
	EXT					
			2 V6N			
Eest	urbell i					
				900		
					.120	
					000.12.3	

×	Mid	инать.	ман	male .	Male .	male	mais .	Bettermentenent te mais Cale disbutant Cale front soften normalism as	Maria de la Co	Mary Mary Mary	analysis and the same	Externerousesti serei Male Cate Haberset Cate trast antes Morreper	ataba a Santa	Male Balic	anale and a second	anale and a section in	And Ballion and Section 1971	And State of Section 12	Bellerments and arms	Bettermentwisch seine Rabi	Bettermenswicht serme analy	Batermentened stone and Section 12.77	Bettersengenderen Miles	Chiteroper count or my	THE TAXABLE PARTY OF THE PARTY

	2 M.	A 275	1.850	*	ONES .	1	0,400		14		42	cić.	.32	2.37	22.752			÷
			V.715	. Si Sc.	A 4.2	100	277.0	200	· · · · · ·	1	а. т		Mary.	2.66	market.	1.0		4
	11.00%	244		441	12.	120		13.5	11.5	10.7	25		44.		17.52	1.1	eu Q	ű.
9.24	11.15	200000	4.0	20 X	7.32		41.7	A. 10.	MAL	41.6	100	45	25.30		7.23			2
	1.00	1.4						Hen?		_	,,,,,,		A	16.4				. 3
1		A			14.		on true	A	2.71%				110				4/1:	-
	16.5	50.00	7.4	bist	20.00		22.5		1116		10.14	1 1			William	3.5		n
2.3	3/4/	V MEY	110	CHRIST	11.	200	1223			2. 1			34.		144			•
									100				6. 1.	- X	- 1			Š.
			and the last	ets rege	100	125	• • • • • • • • • • • • • • • • • • • •	2.30		E2 X 1	2300					24	h ser	
14. P. L.	100	22.5	100		/ 1	100	F-0	men.d	1.0	2	7 July	341.	0.00	11 1 4				а
		Circ.	72.1		-	MIN.	440	المتهجة	125	. 175	73	EP*	375			. 25		٥
11.6		LALET.	43.5	JAEL I	MJ.24	55.5	- 42.8	A	116.	737	N	of a	wie.				5 x x	٠.
12.5			7.7	25.13	120	122		× 7.	201	· .	2,000		1. 4	557	دند	1.545	1 1.	s
			900 B		454521	777	200	1 :- 7	100		100		10	4.5			2.1	٠.
1.44	7.0	- 114		A					260	T .	23	32		70.07		440		٠
100	11. 14	Sec. 23.			12.1		1.00			44.6	io a	ir.	1.4			100	100	

	C. 971.949	
Les Docen		
		281.01
Confirm by		

	al CC												
										3			
												έ¥ċ.	

The Control of the Co	The state of the s	COLUMN TO SECURE	Transfer Service For
Amount outse	The state of the s	e and of the control of	200
24.2000 man of the 271 (248.2342)		Additional Control of the Control of	SLEEK TH
Charles and the second	21 28 2	***************************************	
Devices and the second of the second	ALCOHOLD THE STATE OF THE STATE	THE REST OF THE PARTY.	E255.97
THE STATE OF THE PARTY OF THE P		SHOW A COURT OF STREET WATER	
Maderial bruffe's	以下的方式,并不是一个人,不会对于	1000	THE REAL PROPERTY OF THE PARTY
THE RESERVE OF COMMANDERS AND ADDRESS OF THE PARTY OF THE	with a service and the con-	1964 Table 18 18 18 18 18 18 18 18 18 18 18 18 18	7 968 18
Strangt Dage	的基础的 是是一个一个一个	100	ALC: NO. OF STREET
	100	12.5	3:363 -19
Carbon Carrier	MARKET AND DESCRIPTION OF THE PERSON OF THE	100	***
A STATE OF THE STA	Figure Colors	Company of the Company	Ex 20 A
Contract Con			
Carl special fu		100	36 360 06
Courbec State of	A STATE OF THE PARTY OF THE PAR	According to the last of the last of	designation to the
	CONTRACTOR CONTRACTOR CONTRACTOR		STATE AND DESCRIPTIONS
Mary trees years.	22 - 24 OK 6 WEST - 1995		Tax Street St. Philadelphia
The state of the s		A STATE OF THE PARTY OF	43 44 4
City on hand.		a contractive of the Property of	1,30° 30' 100' 100' 100' 10' 10' 10' 10' 10' 10
The state of the s		Section Control of the Control of th	The second second
- Upchronel and			
The state of the s		PRODUCTION CONTRACTOR	180 760 2
in betreibt, fest, festellt.	Per training to the second second	AND RESIDENCE OF THE RE	Acres Conserved a Stone
			4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
STATE STREET	The second secon		Part of the last of the last
Ship to the transfer of the parties of the land of	CONTRACTOR OF THE PARTY OF THE	1003 (1707)	5 49 26
Arts (1)		Carlo der Carlo de Ca	200
DOTTO THE RESERVE		The Control of the Co	Company of the compan

×Ξ	10 mm			A 4. 4 32	0.00			100 m
1	armet V		300			1 (5)		
e de la	TANK T	Description of	A Land Control	ACC.	10000			1
72	1 2 2	1		1 E	a denient	4.5		200
×V	and the same of	0.0000000000000000000000000000000000000	100000000000	2.04	Talk trade		3.5	2000
1		28	Sec. 25.	175.03			3. 海山水平	200
	A COLOR	n —	िर¥क्षा को स	3,49,44		10.33	Concessor of the P	1720
0.45		Charles District	NATIONAL PROPERTY.	1000000		100		Sales of
331				45.00		1	100	110

Access to the second of the se		Contract Contract	1.0
1.5	STRIFTER		
	10 4	. 47 201 50	S. DIMETER
المسارة ليسبب		200	2.50
City on Queter street	LAGA PARIS	# 2265 (O)	. cjes
Report from Invitalian	SEZ MYLI		5.75
Parker State State Services	640-9697		10 TO
Language Berthelet		34 DE 114	建心密 。
	A CONTRACTOR	7.2 95046	
		E 45 25 25	PER CAN
Hills purposed	429	PART SOLD LA	120
Car trust and be me	a bis san		
THE PERSON NAMED IN COLUMN		CONTRACTOR OF THE	British in
in Proper total for			120,000
freed becaused			100
CHEST US PER ST		2.2	ice Cla
gerf exhaulter	136.962		27.000
Contract sendings	J. PAG		10.00
	18 P. 23 P.		
There exists	Service Constitution		25
Commence Coccession	and the second	Or Control of	
Working bulleys	APPENDED TO STATE OF THE STATE	新四层 《新四层》	
CONTRACTOR DESCRIPTION			
	36 AZY	2 C 1 1 1 1 2 2 2	
Marie are halones.	100 C	25.71.5	and the same
innibuat La Tropa	14.64		ACCOUNT.
医多类性 电电影 网络人名英格兰	A Company of the Comp		22, 60
Curstianing become	ador by the	901	
		3.5	54.24
party in the second		Access of the	100
		10 To 10	
Trails and her age	2	10.00	SELECTION OF
General Services			170 55
Profession and loss acco		20 84 St 10	500L74
TANK THE SAME			25
[1] 中国企业工作的企业	T	77 9 9 67 1000	P75 70
	in the second		
100年,中国安全公司中		200	7142
PROFIT	anchi Libertia	BEAR THE LAND	20 G
		5.94	794 76
Balance from 1805 Legaci in a part		Barrier Comment	X
			21.15.00
LIZ 700 politim	The second second	2 / Park 19 / 19 / 19 / 19 / 19 / 19 / 19 / 19	6 E 10 E 10
Not empires for)			(37164) M
/			E
医物理学 化自己分配 电影 电影	PERMIT BUILD	154-69-50-50	gard an
见到这些的现在分词是			2 m

			3260	34 34 4
非上发生的		4	Promise to the	
With the second second			10 m	*
Indicated and Artist				10 (F) (40 (H)
Directory for Olympatile, Com- municipality	a de Company			***, * 3
The second second		THE PARTY OF THE P	CHANGE 27, 1460	41. TO
Transmit Sens		ar _{t (} pp. Class)	134	i e
fre leadinte	Carrie			2103
India permit				2.2
Programmed Local Sections for			30 X	
11 44 1794				729. (80
	2-2000 128-32 2-2200 128-32		5343	100 22

Juny 1913

Quebec and Lake St. John Railway

The annual meeting was held in Quebec, The annual meeting was held in Quebec, May 10. Following are extracts from the report. The number of passengers corried during the year on the whole system was 301,725, and the number of tons of freight 345,001. In the previous year the figures were 286,459 passengers, and 321,301 tons of freight. The freight consisted of the following no: of cars, 1,511 condwood, 3,104 pulpwood, 4,101 sawn humber, 505 square, timber, 459 ties, 67 logs and poles, 1 825 pulp. pulpwood, 1.101 sawn humber, 505 square timber, 459 ties, 67 logs and poles, 1.525 pulp, and paper, 128 brick and stane, 56 cheese, 264 grain, 5.156 general merchandise total, 17,299 cars, weighing 345,001 tons. One of the surest tests of the progress of the district traversed by the railway is the rapid development of the dairy industry. Last year the railway transported 3,041,011 fbs. of cheese as compared with 2,693,577 in the previous year. The value of cheese and butter manufactured in the district last year is estimated at \$700,000.

is estimated at \$700,000. The construction of the branch line to La Tuque has been carried on by contractor Paquet, with a large force, since the date of the previous annual meeting and without any interruption during the winter. The work is proving more costly than was estimated, owing to the material in a number of the previous programs to be rock instead. materi, owing to the material in a number of the curtings proving to be rock instead of earth and gravel. Nevertheless, it is expected that this branch will be completed by the end of Sept., or at least sufficiently near completion to carry the traffic which will then be available. It is expected that the mile the sum the available. It is expected that this will be considerable, because the first division of the new Transcontinental milway, which will truth La Trape from another direction, has been placed under contract, and our new branch will be the most rapid and economical means of transportation for the men and materials required by their Negotiations are in progress for the development of the great water power at La Tuque, and several large industries at this point are now under consideration. The construction of the branch line from Valcaritier to Gosford has been completed for 414 miles, to u point where a considerable traffic in timber, pulpwood and confidence trans-in timber, pulpwood and confiwed is already available. The right of way has been secured for the short branch through Rober-val to the Government wharf on Lake St. John, and the line will be built as soon as a subsidy contract has been executed with the

Government.

The proceeds of the issue of £150,000 of prior lien bonds are being expended in addition to building the branches above referred to—upon betterments on the main line. The mileage between Roberval, Lake Boucherte and Chicocrimi has been entirely reballusted and enthunkments widened. New becometive houses have been built in Lakereballusted and enthankments widered New locumotive houses have been built at Lake Edward and Chicoutinn, the new bridge over the Rat river at Chicoutinn him her been completed, and the wooden bridges at Lake Bouchette and Rondeau River have bren rebuilt in secret and museurs. The dock accommodation at Quebec is proving insufficient and we are now building a duck TRO It, long at our Quebec termines suitable for canal boats and other light draught for canal bouts and other light draught

The pulp and cardboard mile at Chicou-The pulp met carabourd miss at meeting. Josephines and timi. Josephines, Omissenbessan, Peribones and St. Raymond, continue to give the callway a large business. A paper mill is being built at large meaning and at Josephines and large new samplificat. St. Raymond, and

Riviere à Pierre. The Metabetchonant Pulp Co, has been reorganized and it is hoped that

On has been reorganized and it is hoped that this industry will now be carried out.

The increased cost of the branch to La Toque and the need of more rolling stock and other betterments have made it necessary to issue the remaining £150,000 of authorized origin here 4% breads rather source these best prior lien 4% bonds rather somes than had been intended. Consequently meetings of the bondbolders were called in London in Feb. kist, and after explanations by the London agents of the company, Course Son & Co., and by the General Manager, who was sent from Canada to attend the meetings, the issue of the remnum bonds was mainmousiv agreed to:

The culomention movement to the Lake the John country has continued to progress, 1516 new settlers and their effects were

John 1516 new settlers and their effects were allowed into the district during the year, the difference came from the U.S.

If the directors and officers elected for the commit, year are: President, G. Le Mosse; Vice Presidents, W. Hanson, J. T. Ross other directors, T. A. Piddington, Hon. J. Tessier, C. A. Hanson, E. Beandet, F. W. Riss, H. J. Berner, E. Hanson, The conclective directors are the Mayor of Quebec, Indee Gozne representing Chicontinui, and G. Tanguay representing the Quebec Gozernment.

a 1 curve, at a point 15 miles from the city of Quebec. After passing westwards through two miles of farming country, the Jacques Cartier river is crossed at a point three quarters of a mile bidow thread bridge. The main channel of the inverse this point is about 300 ft, wide, being separated by an island 30 ft, from its eastern shore and extending about 90 ft, towards midsgream. To the west of the river is a low swamp about 1,300 ft, long, requiring a bank 30 ft, high at its eastern end. Westwards to the end the land is covered with bush, principally spruce, and is more or less swampy, except for about 700 ft, of sandy soil and 900 ft, of rock at the western end.

The total length is 3-77 miles.

The grading was for the most part carried on simultaneously with the clearing and grubbing, as also temporary trestle and masonry, To the east of the river the heaviest work was in the cuts at the second and fourth half miles, where 34.800 and 30,500 cubic yards respectively of material, principally gravel, was excavated. This work was done by making a gullet 13 ft, wide excavated to grade the full lengths of the cuts, and widened at the ends to admit a steam shovel. The track was then laid in readiness for a train of flat cars, to be hauled to the swamp with material and deposited by plow, as soon as the temporary trestle, extending 1,700 ft. neross the river, was built. On the western side of the river the grading was principally in fill taken from the sides, except for a cut 700 ft, long which was taken to make the bank immediately adjoining its eastern end. At the western extremity of the line a rock cut completes the grading.

A temporary trestle 1.708 ft, long across the river and swamp was necessary to make the The figure shows the river bents, while those in the swamps were built on sills in the ordinary way. Most of the timber for sills and caps was hown from trees taken from the right of way, while the bracing and wallings were principally round stuff. The bents in the river were necessarily of more substantial construction, and more troublesome of erection, particularly where the current was strong and none the less easy on account of the inequality in the river bottom, necessitating the removal of heavy boulders, bents in the river were built in pieces. posts, being feeted with two horizontal pieces 6 ff. long, and braced to the post, were placed and loaded with the beaviest boulders, then braced across as well as to the preceding bent, and finally cut off and capped. In order that there would be no interference with the building of the piers, the bents at these points were omitted and three sets of two inclined struts, 12x to in., meeting at the centre and springing from the lower deck at the bents on either side of the pier location, and capped across these apices, sufficed to convey the stringers, making a span of 26 ft.

The substructure for the bridge consisted of four piers and two abutments of first class, rock-faced ashler masonry. The figure shows the details of piers 1, 2 and 3, while 4 was on the side hill, and required no out water. The stone was of a mixed grapite formation, and was brought from a quarry opened at about a mile from the work. The courses were (8 in. in thickness, and the cut water stones on topwere cut in live pieces to form part of the upper part of the pier and make a perfect bond. Portland cement mortar was used throughout. The west abutment and first three piers were grounded on cemented gravel composed of pebbles and argillaceous or sili-cious materials, while the fourth pier and east abutment were founded on piles. The found-ations of the piers 1 and 2 were built inside coffer dams made of two rows of sheet piling 4 it apart, and filled in with clay. The first gave considerable fromble owing to the sudden rise of the river, which rose 6 ft, in a few. hours. Plan a was perhaps the least trouble-