# NATIONAL TRANSCONTINTENTAL RAILWAY

CHAMPLAIN

MARKET

STATION,

QUEBEC CITY, QUEBEC

# Grand Trunk Pacific Railway Construction, Etc.

he G.T. Pacific Ry. began operating trains in and out of the new Union at Fort Garry, Winnipeg, Aug.

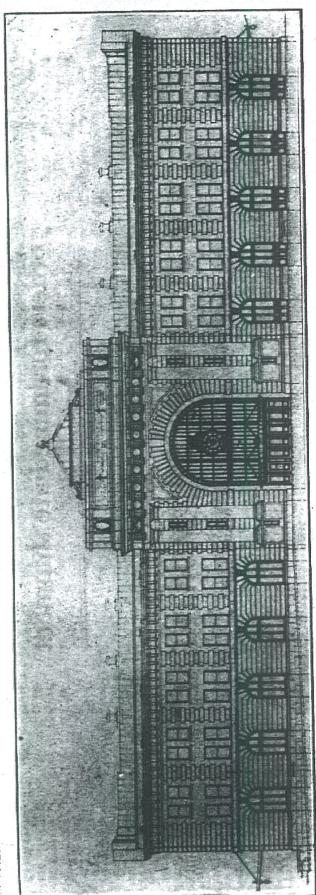
and it is hoped to get the foundations The excavation for foundations will necessitate the reanager, states that the clearing of the perty will be started at once, and 50,000 cubic yards of rienced in getting titles to all the pro-Manuberlin, Vice President and General Tenders were received to Aug. 15 for of the Selkirk Hotel in Some delay has been exrey required for the hotel, but E. J hefore winter. cal of about erection \ nulpeg. 35.40

0 reference showing the location from the scon as the ballasting of the line has In connection with this branch there has been 25, tp. 17, range 24, west of the second meridian, to the west 3. tp. 17, range 26, west of A regular train service is and it will be extended to Regina as been completed. Grading has been completed for about 20 miles out of Regina deposited with the land titles office at Moose Jaw a plan, profile and book of in operation from Melville to Edgeley. the second meridian, mileage 23.32 in the direction of Moose Jaw. east line of sec. line of sec. Regina fair 40.01

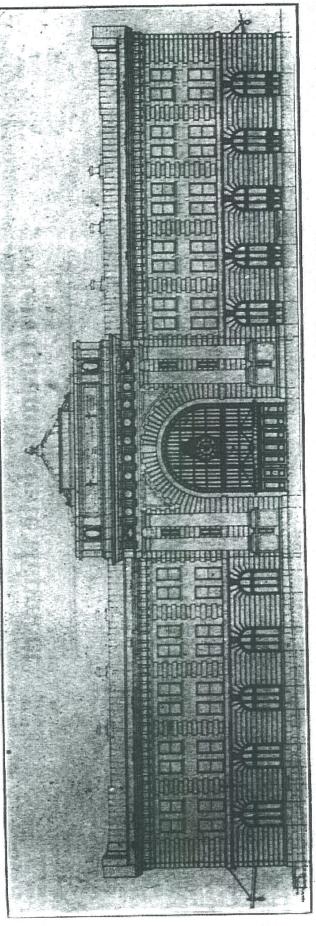
In connection with the line under construction southerly from Regina to the international boundary, press reports state that it is proposed to build a branch line, starting, 13 miles south

bridge and the laying of about 25 miles of the Albert, and in the river, and grading has been completed from Prince Albert to the north 8 building a lime be extended to connect with the main line at Young. From this point a branch is under construction to Prince the Board of Railway Commissioners to operate traffic on the branch from Young to mileage 45 5. Track has been laid to Wakaw, near the proposed crossing of of track the branch will be completed. branch will be 81 miles long and will in Authority has been given by been branch from Moose projected have completion This Aug. roundhouse in Prince reported A start was made northwesterly. laying out a yard. The commenced on a With Grading is Albert. bank.

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National Transcontinental Railway Station, Quebec. Front Elevation.

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National Transcontinental Rallway Station, Quebec. End Elevations.

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THE RAILWAY AND MARINE WORLD.

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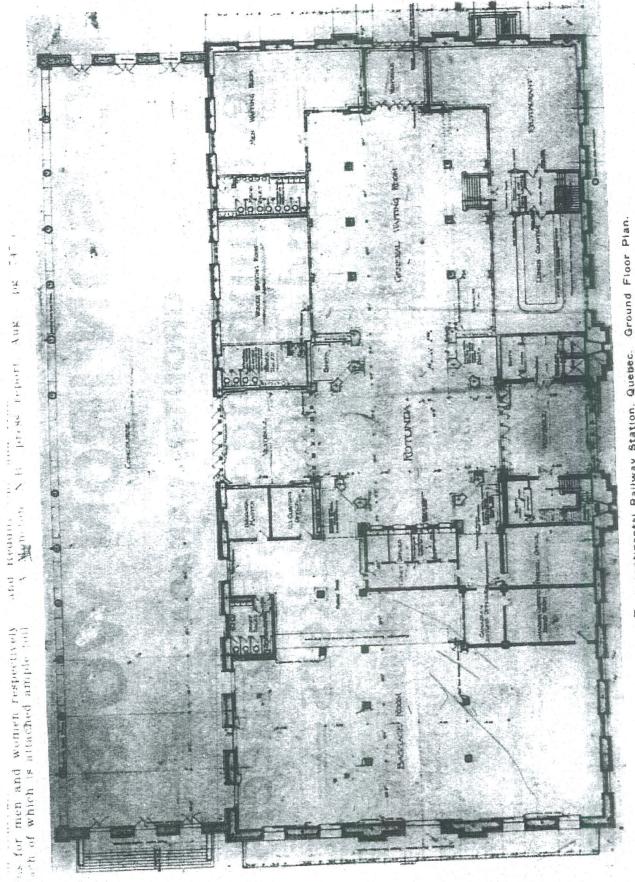
National Transcontinental Railway Construction, Etc.

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National Transcontinental Rallway Station, Quebec.

## Grand Trunk Pacific Rallway Construction, Etc.

trains in and out of the new Union at Fort Garry, Winnipeg, Aug.

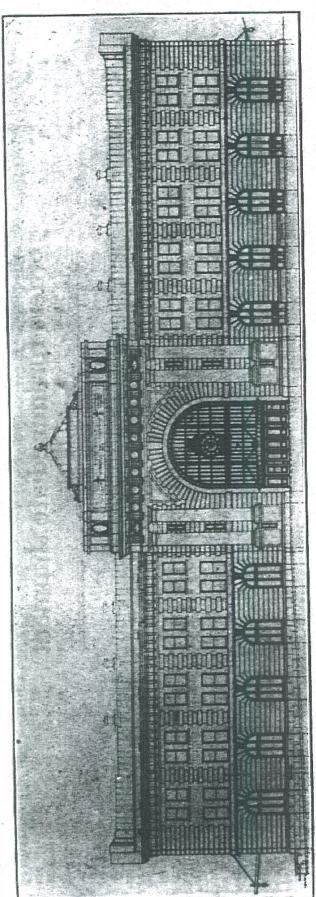
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National Transcontinental Railway Station, Quebec. Front Elevation.

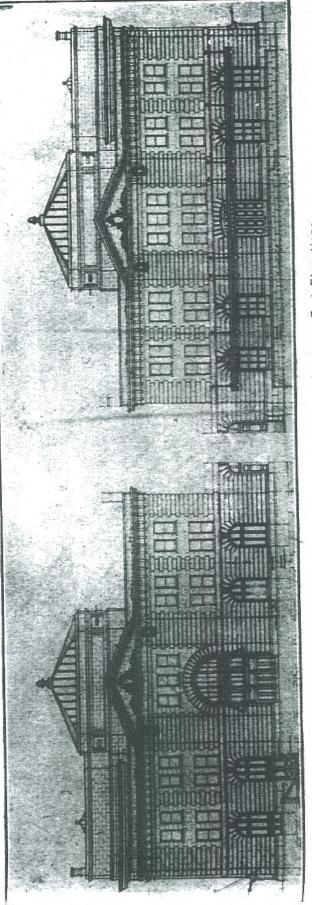
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National Transcontinental Rallway Station, Quebec. End Elevations.

### Station at Quebec.

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T. Pacific Ry. officers.

plans and specifications, which prepared by Marchand and Hasarchitects, provide for a building no site of the old Champiain Marbe used as a passenger station he N.T.R., which is to be operated he G.T. Pacific Ry. The plans show miding facing on the square, the side being 257 ft. wide, with a n of 124 ft. for the main building main front shows a handsome ition, the central portion being carconsiderably above the rest of the The feature of this part is a ling. designed arch, flanked by pillars unished with capstone and pedi-Passing through the main en-. doors, a large vestibule is reach

iff which are the elevators, stairand booths, which will be devoted purposes not yet defined. From the · bule entrance is obtained to the ro-.. which is surrounded by a dome ft in diameter. Off the rotunda arranged ticket offices, parcel ofanadian Express bondroom Canaand U.S. customs officers, a large reage room, with public area, tele-Another vestibule . h office, etc. rom the rotunda to the conwhich extends the whole length he building. Off the rotunda is the . real waiting room in the centre of building, and in the main front is unch counter and restaurant, while he concourse side are the waiting s for men and women respectively -ach of which is attached ample tool

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# N IRON WORKS

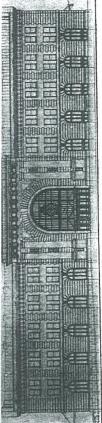
ORONTO, CANADA

# builders, Engineers Boilermakers ==

d Dipper Dredges, Steel and Comers and Yachts, Marine and Stanes and Boilers. Watson dack & Co., 709 Power Building, Montreal

-OFFICE AND WORK

# STREET EAST, TORONTO ...



National Transcontinental Railway Station, Queber, Front Elevation

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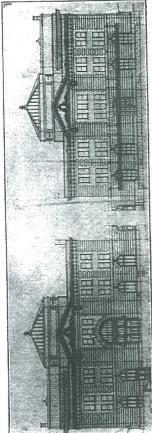
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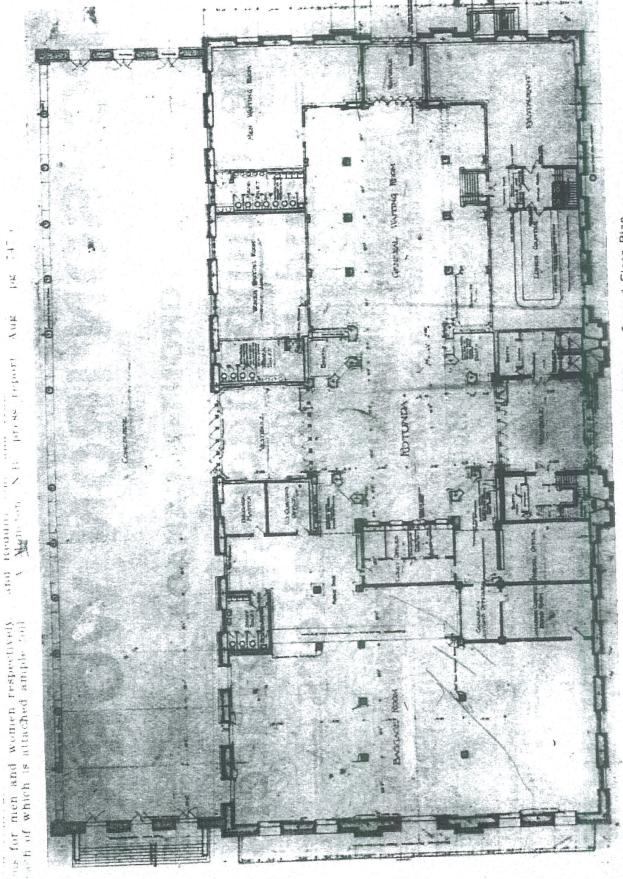
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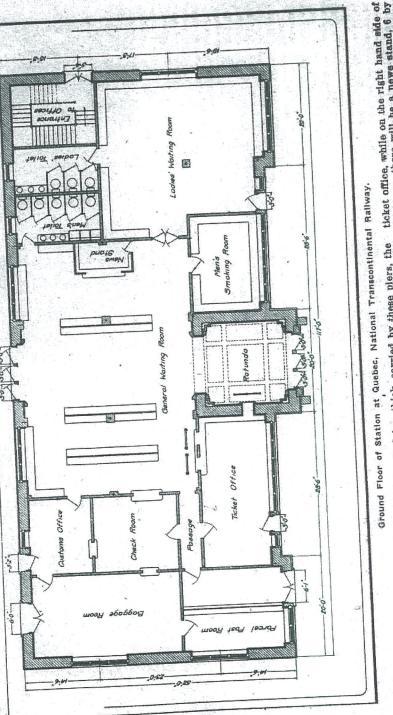
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Ground Floor Plan. National Transcontinental Railway Station, Quebec.

be reached by a line from the west, which skirts the shore below the cliffs from the ferry, and adjoining King's wharf, and will It was Quebec bridge to the station site.

will be concrete fround. Bach of these down to solid bearing ground. Bach of these piers will be 4 ft. thick, varying in length piers will be 4 ft. The concrete subwall will be from 6 to 9 ft. The concrete subwall will be

benches, so the general waiting room, entrance way in the general wicket from the there will be a double ticket wicket from the



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erected, which will be used for local traffic only, and the main freight and passenger about the site of the latter's present Palais originally intended to build the main station on this site, but it was subsequently decided to utilize the site for the station now being terminal will be a joint one with the C. P. R.

ground level.

back plaiform, each 250 ct. long. The station will have 7 tracks, 6 of which will come in alongside the platforms, those each side will be the concourse, with a 40 ft. platform at the rear end of the stub tracks, with four platforms 1514 ft. wide leading off from this and will be parallel with the river, on the east side of the site, with the front facing immediately back of the station the small volume of traffic that it is anticipated will be handled locally through the Champiain Market station, it was not sequence, it will measure only 52 by 117 necessary to erect a large building. the river. station.

the room, there will be a news stand, 6 by also stretcher courses, with every fifth course a header course. The window sills and caps the of Beauport, or Chateau Richer, Ilmestone, with headers, and the outer facing of this it will be laid in level, and will be 18 ins. thick. They will be shale brick. The brick will be entirely kills built from the top of the concrete founda-tions to a height of 4 ft, from the ground for the outside face, which will be of Citadel 8 ins. thick, carried by these piers, the wall between the piers being spanned by three 18 in. I beams bedded in the concrete. up to the The principal walls will be excep main entrance, comprising will be of Deschambault dressed stone. columns, base blocks and cornice, will wall will be Riviere a Pierre granite. this line, the walls will be of brick, The concrete wall is to be carried All of

and with a wall seat extending around the there will be two lavatories for men and tiled with a mosaic floor. The women's will be entered from the women's waiting room, and the men's from the general waiting room. Back of the women's waiting room, It will have a wall seat extending clear around the room, and will also have a comsmoking room, which will be approximately 30 ft. square, also with a composition floor, The men's smoking room, entered from the general waiting room, will adjoin the ro-tunda on the right, and will be 13 by 18 ft. position floor. The entrance to the women's waiting room will adjoin that of the men's 11 ft., entered from the general waiting room. women, respectively, each 9 by 16 ft.,

To the left of the rotunds, will be located the nicket office, 13 by 30 ft., floored in hardroom.

inner columns will be false. Over the porch

be of Deschambault

porch or

dressed stone.

## Canadian Railway and Marine World

January, 1915.

## Champlain Market Station at Quebec, for the National Transcontinental Railway.

Plans were prepared by N. T. R. engineers rians were prepared by N. T. R. engineers in the early part of the year for a station building and platforms in Quebec, and a contract was let to W. J. Gosselin, Levis, Que, then the appropriation mark above in the acfor the construction work shown in the accompanying plans. The work is in progress, and is expected to be completed at an early

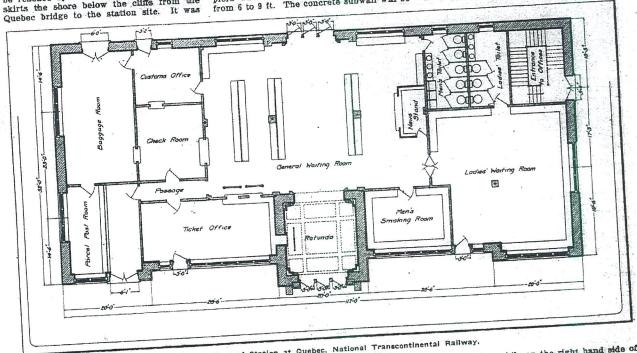
The station is being built on the Champlain Market site, on Champlain St., directly be-low the Dufferin Terrace, near the Levis ferry, and adjoining King's wharf, and will be reached by a line from the west, which skirts the shore below the cliffs from the

of a platform being at 26 ft. 81/2 in. centres, with a central distance of 16 ft. between adjoining tracks between platforms. A power will be located in the north west corner of the site.

The building will be a composite structure of concrete, stone and brick. At each of the corners, at a point midway in each end, at four intermediate points along the back wall, at two points in the front wall, and at the four corners of the rotunda tower, there will be concrete foundation plers, carried down to solid bearing ground. Each of these piers will be 4 ft. thick, varying in length from 6 to 9 ft. The concrete subwall will be

in the front of the building, there will be a chain suspended canopy projecting 8 ft., and 17 ft. wide. It will be of wired glass on a metal frame, with an ornamental from edg-

The entrance rotunda, 16 ft. square, will lead directly into the general waiting room. Along the left side of the rotunds, there will be a ticket wicket from the ticket office. The general waiting room will be 33 by 50 ft., with a commental page and waiting room is the commental to the state of the state o general waiting room will be 33 by 50 ft, with a composition floor, and wainscotted to a height of 4 ft. It will contain three double benches, 18 ft. long. To the left of the entrance way in the general waiting room, there will be a double ticket wicket from the



Ground Floor of Station at Quebec, National Transcontinental

originally intended to build the main station on this site, but it was subsequently decided to utilize the site for the station now being erected, which will be used for local traffic only, and the main freight and passenger terminal will be a joint one with the C. P. R. about the site of the latter's present Palais

From the small volume of traffic that it is anticipated will be handled locally through the Champiain Market station; it was not necessary to erect a large building. In consequence, it will measure only 52 by 117 ft., sequence, it will measure only 52 by 117 ft., and will be parallel with the river, on the east side of the site, with the front facing the river. Immediately back of the station will be the concourse, with a 40 ft. platform at the rear end of the stub tracks, with four platforms 15½ ft. wide leading off from this back platform, each 250 ft. long. The station will have 7 tracks, 6 of which will come in alongside the platforms, those each side in alongside the platforms, those each side

ft. 8 ins. thick, carried by these piers, the wall between the piers being spanned by three 18 in. I beams bedded in the concrete. The concrete wall is to be carried up to the ground level. The principal walls will be built from the top of the concrete foundstions to a height of 4 ft. from the ground level, and will be 18 ins. thick. They will be of Beauport, or Chateau Richer, limestone, of Beauport, or Chateau Richer, limestone, with headers, and the outer facing of this wall will be Riviere a Pierre granite. Above this line, the walls will be of brick, except for the outside face, which will be of Citadel shale brick. The brick will be entirely kind run common. All of it will be laid in stretcher courses, with every fifth course a header course. The window sills and caps will be of Desohambault dressed stone. The porch or main entrance, comprising the porch or main entrance, comprising the columns, base blocks and cornice, will also be of Deschambault dressed stone. inner columns will be false. Over the porch

ticket office, while on the right hand side of the room, there will be a news stand, 6 by 11 ft., entered from the general waiting room. The men's smoking room, entered from the general waiting room, will adjoin the ro-tunds on the right, and will be 13 by 18 ft. It will have a wall seat extending clear around the room, and will also have a composition floor. The entrance to the women's waiting room will adjoin that of the men's smoking room, which will be approximately 30 ft. square, also with a composition floor, and with a wall seat extending around the and with a waii seal extending around the room. Back of the women's waiting room, there will be two lavatories for men and women, respectively, each 3 by 16 ft., and women, respectively, such a by the women's will tiled with a mossic floor. The women's will be entered from the women's waiting room, and the men's from the general waiting

To the left of the rotunda, will be located the ticket office, 13 by 30 ft, floored in hard-



#### Station and Tracks at Quebec, National Transcontinental Raliway.

This will have a double a mastic floor. swing door at the rear, connecting with the outside for the baggage entrance way. There will be a door on the right, leading into the customs room, 12 by 15 ft., which will be floored in hardwood. This room will also connect with the general waiting room. The check room adjoining will be 15 by 16 ft., with hardwood floor. It will be entered from the passage, and will have counter windows on the other three sides into the baggage room, customs office and general waiting room. The rear of the general waiting room will open out on the train concourse through three doors.

The street corner of the main floor will be entered through a door on that side to a stairway, leading to the offices on the first floor. This will lead into a central 8 ft. corridor, extending the full length of the building, with offices on either side. The first room on the right will be a lavatory, 11 by 19 ft., tiled in mosaic. Next in order will be an office, 17 by 19 ft. The next room, in the centre of the rear of the building, will be the train dispatcher's office, 19 by 29½ ft., with a counter extending around the doorway, and an operator's desk along a 10 ft. window at the rear. The remainder of that side of the corridor will be divided off into three offices, two 12 by 19 ft. each, and the third, 17 by 19 ft.

Opposite the stairway on the front side of the building there will be a conductors' and trainmen's room, 17 by 21 ft., followed by two offices, 15 by 19 ft. and 14 by 19 ft. respectively. Under the tower there will also be an office, 15½ by 16 ft., the balance of that side containing three more offices, 14 by 19 ft., 15 by 19 ft., and 17 by 21 ft., respectively.

The second, or top, storey will form one large room, the corner stairway leading directly into it. On account of the sloping sides to the roof, it will be 40 by 105 ft., slightly smaller than the other floor areas,

of the tower, at a height of 57 ft., there will be clock faces. The flat top of the building will be surmounted by an ornamental iron border.

JANUARY 1915

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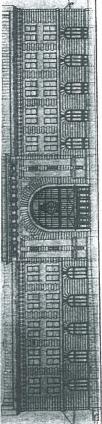
ORONTO, CANADA

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d Dipper Dredges, Steel and Comers and Vachts, Marine and Stanes and Boilers. Watson dack & Co., 709 Power Building, Montreal

OFFICE AND WORK

STREET EAST, TORONTO



National Transcontinental Ranway Station, Gueber, Front Elevation

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Quebec. End Glevations. National Transcontinen's! Rallway Station,

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T. Pacific Ry. officers.

plans and specifications, which prepared by Marchand and Hasarchitects, provide for a building no site of the old Champiam Marbe used as a passenger station he N.T.R., which is to be operated he G.T. Pacific Ry. The plans show miding facing on the square, the side being 257 ft. wide, with a n of 124 ft. for the main building .. main front shows a handsome ition, the central portion being carensiderably above the rest of the The feature of this part is a ling. designed arch, flanked by pillars nnished with capstone and pedi-Passing through the main en-. doors, a large vestibule is reach

purposes not yet defined. From the - bule entrance is obtained to the rewhich is surrounded by a donie off the rotunda fi in diameter. arranged ticket offices, parcel ofanadian Express bondroom ('anaand U.S. customs officers, a large range room, with public area, tele-Another vestibule , h office, etc. is from the rotunda to the conse which extends the whole length the building. Off the rotunda is the . . . sal waiting room in the centre of building, and in the main front is unch counter and restaurant, while the concourse side are the waiting is for men and women respectively each of which is attached ample ticl

ff which are the elevators, stair-

and booths, which will be devoted

et and lavat tibule leads between the train shed. noors over the used by the language width of the side. The language width of the side of which stations alongside with in length train shed and the language with the length of the language with the length of the length of the language with the length of the length of the language with la

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#### National

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Marin







### CNR No.9000

Canadian National Railways first Diesel No. 9000 was used to haul the passenger train from Quebec City to Edmunston, New Brunswick in the period 145 to 1947.





Photo Number: STR07974a
Photographer: STEPHENS, F.V.
Location: MONCTON, N.B.
Railway Name: CAN. NATIONAL

**Date:** 1945-05-10

Subject: MOTIVE POWER - DIESEL LOCO

**Builder Date:** 1948-00-00

Class: V-1-A-A Type: B-B

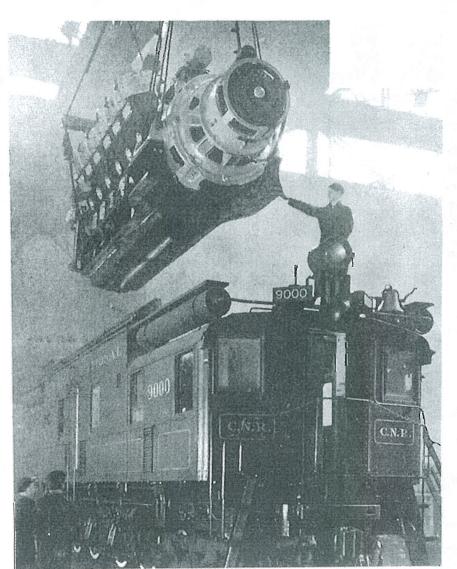
Equipment Number: 9000

Horse Power: 1500 Collection: STR Shops, covered with heavy armour down to the rails, and camouflaged as a box car. A new General Motors engine was installed and it is interesting to note that this new powerplant fitted almost identically into the position occupied by the Beardmore engine which was removed. remodelled locomotive was sent to British Columbia, where it operated with an armoured train on the Pacific Coast. For obvious reasons, the details of this service were not made public, but at the end of hostilities, number 9000 was released for civilian railway use.

After its return to the Canadian National, the armour plate was removed, but although it was still the same 9000 it was hard to recognize the lines of the

original locomotive in the boxlike appearance of the rebuilt model. In this form it was operated for 15 months in regular passenger service between Quebec City and Edmundston, and then retired.

This famous locomotive unfortunately did not last to meet the new Electro-Motive road freight units, which the Canadian National purchased in 1948, and which were first operated on the line over which the original road diesel made its initial run -- but the many diesel-electric road locomotives in operation throughout America today are indirect tributes to the 9000 -to those who planned and built the pioneer, and made practical the application of the diesel engine to railway operation.



#### PIOTOGRAPHS:

Page 5 (upper)

The original twin unit 9000 poses at Dixle Station on the now-abandoned line through Lachine, Que.

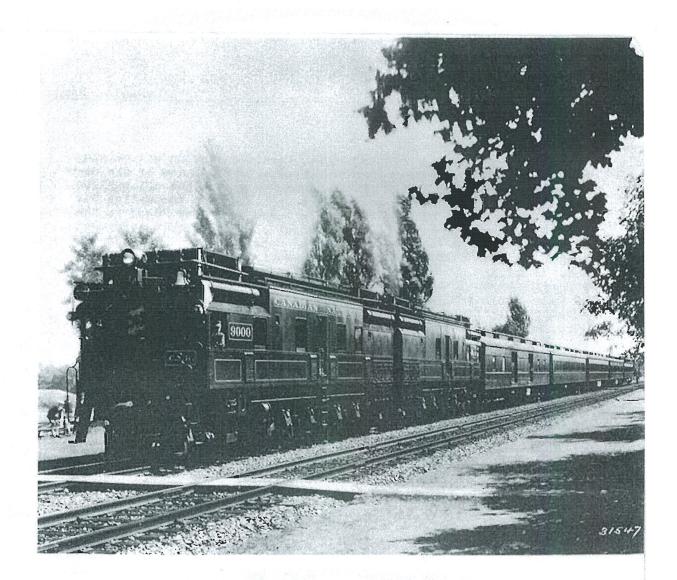
Page 5 (lower)

After armoured train service, the pioneer No. 9000 returned to civilian duties in a new garb.

Page 7

Installation of the 25 ton engine in the 9000 at Canadian Locomotive Co., Works, Kingston, Ontario.

(C.N.photos.)





From the experience gained by this gruelling test, and from the day-to-day operation of the CN's fleet of nine diesel-electric motorcoaches, plans for Number 9000 were drawn up. They were the outcome of many months of work by CNR motive power experts under the direction of C. E. Brooks, Chief of Notive Power, Sir Henry Thornton, Chairman and President of the CNR and S.J. Hungerford (later President of the National System).

The Canadian Locomotive Company was commissioned to build the bodies for a two-unit diesel electric locomotive, each section forty-seven feet in length; William Beardmore and Company of Glasgow supplied the engines — two twelve cylinder "V" type 1330 H.P. four stroke cycle diesels; and Canadian Westinghouse provided the necessary electrical equipment.

The trial run of the locomotive which took place Movember 20th, 1928, from the builder's plant at Kingston, Ontario, to Montreal was not intended to be a very severe test, but 9000 on this trip attained a speed of sixty-five miles per hour. Although speed was not the object of the test, the sprint was indicative of the possibilities of this new addition to Canadian National motive power.

The gear ratio of the locomotive was designed for high-speed passenger service and enabled the complete unit to develop a continuous tractive effort of 42,000 pounds, with a starting effort of loo,000 pounds. Brakes were Westinghouse type 14 EL: a lead storage battery of 56 cells provided the necessary power for engine starting, lighting, auxiliaries and control; and train heating was looked after by a Clarkson oil-fired thimble-tube steam generator, the forerunner of the presently well-known and extensively-used Vapor Clarkson Steam Generator. This generator

was assisted by an economizing boiler which made use of the exhaust gases of the oil engine. The principle of locomotion was the same as that used in the diesel-electrics built today, but the appearance of the 325 ton locomotive did not bear much resemblance to its modern counterparts; the colour scheme was black, and there were no fancy cowlings, but the design was pleasing to the eye and the performance was remarkable.

On September 26th, 1929, Number 9000 (both units were numbered the same when used in multiple) made its first official appearance -- a run as second section of The International Limited from Montreal to Toronto. The news that the largest and most powerful diesel-electric in the world was coming brought hundreds of people to each of the stations along the route. Right on time the train arrived in Toronto, and the new means of motive power had proved itself under actual railway operating conditions.

Subsequent to this run-which, as we all know now, ushered in a new era in rail transportation -- the locomotive, designated as class V-l-a, saw duty hauling important trains on the Jentral Region of the Canadian National Railways. Later, the two units were operated separately, the second section being renumbered 9001, but the economic ills of the 1930's prevented further experimentation and no new locomotives of this type were built. For eleven years these engines were operated on various runs in Quebec and Ontario until 1939 when number 9001 was retired.

With the advent of war with Japan in 1941, a new chapter was written in the history of the pioneer 9000. It was commissioned by the Canadian Government and was rebuilt by the Canadian National Railways at Winnipeg



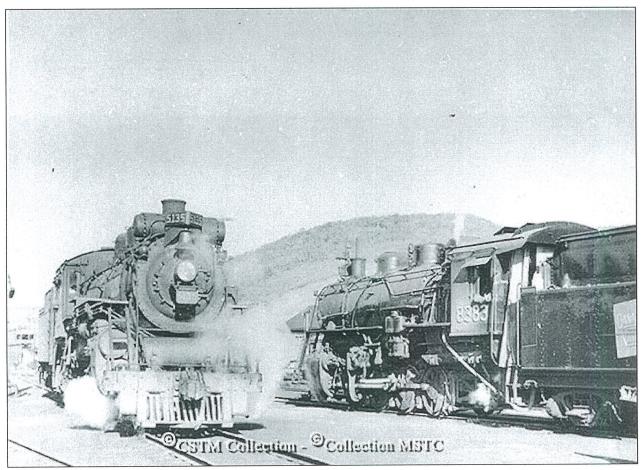


Photo Number: STR02594b Photographer: WALDER, J. Location: EDMUNSTON, N.B. Railway Name: CAN. NATIONAL

Date: 1956-08-03

Subject: MOTIVE POWER - STEAM LOCO

Builder Number: 61870 Builder Date: 1920-00-00

Model: PACIFIC Class: J-4-E Type: 4-6-2

Equipment Number: 5135

**Boiler Pressure:** 200 **Tractive Effort:** 38 **Disposition:** SC 1960

Drivers: 69
Collection: STR
Cylinders: 23.5 x 28

### THE 2-10-2

CANADIAN NATIONAL
RAILWAYS USED AN EARLY AND
A LATER MODEL OF A 2-10-2
SSTEM LOCOMOTIVES TO
HAUL FREIGHT TRAINS
BETWEEN QUEBEC AND
EDMUNSTON.





Photo Number: STR16455a

Photographer: GREENBLATT, M. Location: EDMUNSTON, N.B. Railway Name: CAN. NATIONAL

**Date:** 1936-00-00

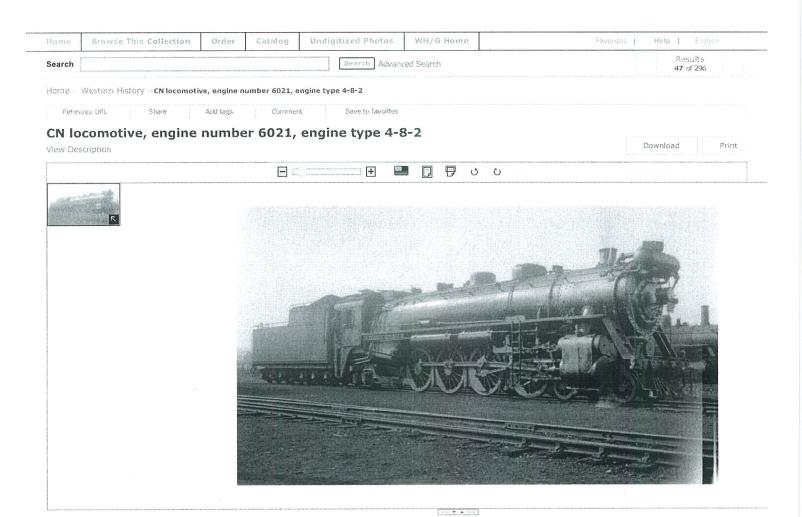
Subject: MOTIVE POWER - STEAM LOCO

**Builder Number:** 1677 **Builder Date:** 1921-01-00

Model: MIKADO Class: S-1-E Type: 2-8-2

Equipment Number: 3394 Boiler Pressure: 180 Tractive Effort: 53 Disposition: SC 03/1960

Drivers: 63 Collection: STR Cylinders: 27 x 30



| Description                               |   |  |
|---|---|--|
| Call Number                               | OP-20198  |  |
| Title                                     | CN locomotive, engine number 6021, engine type 4-8-2  |  |
| Title-Alternative                         | Other title: Canadian National locomotive, engine number 6021, engine type 4- 8-2   |  |
| Creator(s)                                | Perry, Otto, 1894-1970.   |  |
| Summary                                   | Three-quarter view of right side of engine, from front end. Photographed: Québec, Que., October 5, 1930.                              |  |
| Date                                      | 1930  |  |
| Notes                                     | Title from catalog prepared by Western History Department, Denver Public Library.; R7000201981  |  |
| Physical<br>Description                   | 1 photonegative ; $9 \times 14$ cm.; 1 photoprint : silver gelatin, b&w ; $9 \times 14$ cm.   |  |
| Is Part Of                                | Otto C. Perry memorial collection of railroad photographs.  |  |
| Subject                                   | Locomotives1930-1940.; RailroadsTrainsPictorial works1930.; Railroad locomotivesQuébecQuébec.; Canadian National Railways.            |  |
| Rights                                    | Restrictions applying to use or reproduction of this image available from the Western History/Genealogy Dept., Denver Public Library. |  |
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