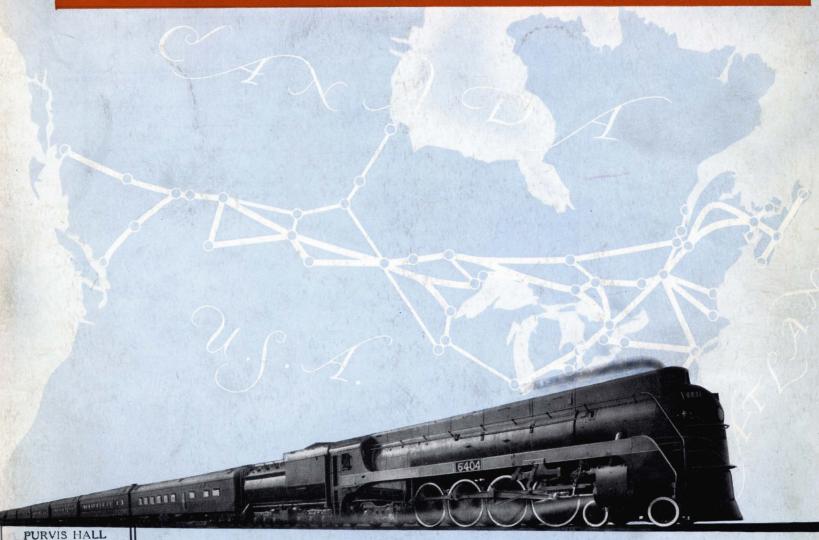
# Canadian National Prailways ANNUAL REPORT 1946



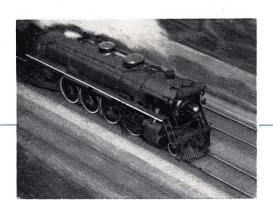
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## Canadian Sational Railway Tystem



### ANNUAL REPORT

1946

FOR THE YEAR ENDED 31st. DECEMBER





 $Speed,\ power\ and\ attractive\ design\ are\ characteristics\ of\ main\ line\ passenger\ train\ locomotives$  of the Canadian National Railways.



### BOARD OF DIRECTORS

R. C. VAUGHAN, C.M.G., Chairman, Montreal.
WILFRID GAGNON, C.B.E., Montreal.

J. A. NORTHEY, Toronto. H. J. SYMINGTON, C.M.G., K.C., Montreal. B. L. DALY, Montreal.

E. J. YOUNG, Dummer, Sask.

R. B. BRENAN, Saint John, N.B.

### GENERAL OFFICERS

PRESIDENT       R. C. VAUGHAN,         VICE-PRESIDENT AND EXECUTIVE ASSISTANT       M. A. METCALF,         ASSISTANT TO PRESIDENT       G. W. V. SHAW	C.B.E MONTREAL
SECRETARY	MONTREAL
OPERATION AND CONSTRUCTION DEPARTMENTS  EXECUTIVE VICE-PRESIDENT	WINNIPEG WINNIPEG TORONTO MONCTON DETROIT ST. ALBANS T MONTREAL MONTREAL
ACCOUNTING DEPARTMENT VICE-PRESIDENT AND COMPTROLLER	MONTREAL
FINANCIAL DEPARTMENT  VICE-PRESIDENT AND TREASURER	MONTREAL
TRAFFIC DEPARTMENT  VICE-PRESIDENT. ALISTAIR FRASE GENERAL FREIGHT TRAFFIC MANAGER. *JOHN PULLEN GENERAL PASSENGER TRAFFIC MANAGER. A. A. GARDINER	MONTREAL
LAW DEPARTMENT GENERAL COUNSEL	JMONTREAL
PURCHASING AND STORES DEPARTMENTS  VICE-PRESIDENT . D. McK. FORD .  GENERAL PURCHASING AGENT . E. A. BROMLEY .  Manager of Stores . L. C. THOMSON .	MONTREAL
RESEARCH AND DEVELOPMENT DEPARTMENT  VICE-PRESIDENT. S. W. FAIRWEAT  CHIEF OF RESEARCH. J. E. GIBAULT.  CHIEF OF DEVELOPMENT. M. W. MAXWELL	MONTREAL
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GENERAL MANAGER	MONTREAL
SLEEPING AND DINING CAR DEPARTMENT  MANAGER	MONTREAL
INVESTIGATION DEPARTMENT DIRECTOR	EMONTREAL
REAL ESTATE DEPARTMENT MANAGER	MONTREAL
COLONIZATION AND AGRICULTURE DEPARTMENT DIRECTOR	MONTREAL
DEPARTMENT OF LABOUR RELATIONS DIRECTOR	MONTREAL
HOTEL DEPARTMENT GENERAL MANAGER	EOTTAWA
CANADIAN NATIONAL TELEGRAPHS GENERAL MANAGER	NGTORONTO
MEDICAL DEPARTMENT CHIEF MEDICAL OFFICER	MONTREAL
EUROPEAN MANAGER†J. B. THOM	LONDON
EUROPEAN SECRETARY AND TREASURERA. H. CONEYBEA	RELONDON
*Succeeded G. R. Fairhead who retired on pension March 6, 1947	
†Succeeded P. A. Clews who retired on pension January 19, 1947	



### **RESULT OF 1946 OPERATIONS**

### CONSOLIDATED INCOME ACCOUNT

	1946	1945
Railway Operating Revenues: Freight Passenger Mail Express Commercial Telegraphs All other	\$300,313,198.90 50,128,223.16 4,275,981.70 19,579,478.94 7,353,600.20 18,935,542.99	\$316,533,328.90 65,199,923.28 4,204,835.42 19,209,446.01 7,554,813.82 21,071,046.13
Total Operating Revenues	\$400,586,025.89	\$433,773,393.56
Railway Operating Expenses: Maintenance of Way and Structures Maintenance and Depreciation of Equipment Traffic Transportation Miscellaneous Operations General	\$ 67,156,485.69 73,733,329.72 7,092,888.80 185,353,576.11 4,709,676.65 19,190,761.32	\$ 70,311,162.19 76,784,609.37 6,046,603.02 179,119,172.42 6,282,609.09 16,749,892.39
Total Operating Expenses	\$357,236,718.29	\$355,294,048.48
NET OPERATING REVENUE. Taxes. Equipment Rents—Net Debit Joint Facility Rents—Net Debit	\$ 43,349,307.60 7,122,247.83 4,145,828.24 522,284.33	\$ 78,479,345.08 6,476,981.25 3,567,783.92 556,641.66
NET RAILWAY OPERATING INCOME	\$ 31,558,947.20	\$ 67,877,938.25
Other Income: Income from Lease of Road and Equipment Miscellaneous Rent Income Income from Non-transportation Property Results of Separately Operated Properties—Profit Hotel Operating Income Dividend Income Interest Income Miscellaneous Income	\$ 59,505.15 930,662.24 615,265.13 337,968.71 1,102,082.63 530,446.55 3,672,202.10 235,440.99	\$ 58,960.79 930,962.20 643,859.61 346,186.51 1,235,850.94 543,514.50 3,463,027.50 298,490.98
Total Other Income	\$ 7,483,573.50	\$ 7,520,853.03
Deductions from Income: Rent for Leased Roads and Equipment. Miscellaneous Rents. Miscellaneous Taxes. Interest on Unfunded Debt. Amortization of Discount on Funded Debt Miscellaneous Income Charges. Profit and Loss Items—Net Credit	\$ 975,745.93 547,925.15 124,656.72 491,096.99 537,376.48 1,130,154.79 483,962.28	\$ 1,109,929.74 652,343.81 121,027.01 387,514.73 1,183,920.48 1,104,234.99 244,452.22
Total Deductions from Income	\$ 3,322,993.78	\$ 4,314,518.54
NET INCOME AVAILABLE FOR PAYMENT OF INTEREST.  Interest on Funded Debt—Public.  Interest on Government Loans.	\$ 35,719,526.92 23,358,514.18 21,322,583.23	\$ 71,084,272.74 26,021,784.56 20,306,358.18
Deficit 1946—Surplus 1945	\$ 8,961,570.49	\$ 24,756,130.00



### CANADIAN NATIONAL RAILWAYS

Montreal, March 15, 1947.

THE HONOURABLE LIONEL CHEVRIER, K.C., M.P.,

MINISTER OF TRANSPORT,

OTTAWA.

Sir:

In conformity with *The Canadian National-Canadian Pacific Act, 1936*, the Board of Directors submit the following report of the operations of the Canadian National Railways for the calendar year 1946.

The repatriation of Canada's armed forces has been completed and during the year large numbers of wives and dependents were also carried from dockside to various parts of the country. The change-over from a war economy to one of peace perplexed the world with urgent and serious problems, of which Canada had its share, and produced for the Canadian National System, as a vital public utility, a difficult year. Return to a normal flow of traffic was hampered by reconversion in industry, by strikes, and by shortages of rolling stock, conditions common to all railways in Canada and the United States.

Nevertheless, railway traffic moved in heavy volume and, measured in train miles, was only 3.8% below the traffic of 1945. In revenue earned, however, the decrease was 7.7%. The savings in operating costs from the reduction in traffic were far more than offset by increased rates of pay and increased prices for fuel and the materials used in railway operation and maintenance.

With revenues reduced and expenses increased, it was inevitable that the net income should be sharply decreased in 1946 as compared with the preceding year.

The following is a summary of the operating results. The full income statement appears on the opposite page.

Operating Revenues	1946 \$400,586,025.89 357,236,718.29	1945 \$433,773,393.56 355,294,048.48
Net Operating Revenue	\$ 43,349,307.60 11,790,360.40	\$ 78,479,345.08 10,601,406.83
Net Railway Operating Income. Other Income, less deductions—Credit.	\$ 31,558,947.20 4,160,579.72	\$ 67,877,938.25 3,206,334.49
Interest on Funded Debt—Public	\$ 23,358,514.18 21,322,583.23	\$ 26,021,784.56 20,306,358.18
<i>Deficit 1946</i> —Surplus 1945	\$ 8,961,570.49	\$ 24,756,130.00

### RESULTS OF OPERATIONS

Operating Revenues. There was a recession from the high levels reached during the war years, but nevertheless the gross receipts during 1946 totalled \$400,586,000. This is an indication of the tremendous transportation services furnished by the National Railway System during the reconversion period.

The 1946 revenues were 7.7% below those of the previous year. Traffic commenced to decline in August, 1945, and the reduction continued at an increasing pace until June, 1946, when it began to level off. In the last quarter of the year the downward trend was reversed and there was an increase of 3.7% as compared with the same period of 1945.



Passenger train service revenue (fares, mail, express, dining and sleeping cars, etc.) in 1946 was less by \$17,267,000, and revenue from the carriage of grain decreased \$14,726,000. The decreases in these two sources of revenue account, in the main, for the reduction in gross receipts.

The freight rate increases authorized by the Interstate Commerce Commission of the United States effective July 1, 1946, added \$4,290,000 to the gross revenues of the System.

Operating Expenses. In passenger service, passenger miles decreased 31.4% and revenues from fares 23.1%, while train miles decreased only 4.1%. Passengers per car mile decreased by 20%. These figures reflect a change in the type of traffic.

In freight service, although car loadings were greater by 2.6% than in 1945, revenue decreased 5.1% and tons hauled 1.2%. The average length of haul decreased 9.8%. The volume of grain moved was less by 27%. The decrease in the amount of grain handled and the change in the character of commodities hauled resulted in a lighter per car load of 7.9%, and net train load of 7.3%. This condition—more cars carrying lighter loads for shorter distances—was one of the factors which made it impossible to reduce costs in proportion to the reduction in revenues.

Wage increases added \$17,821,000 to operating costs. The cost of fuel and materials continued to rise, resulting in an estimated increase in operating costs of \$4,338,000 as compared with the previous year.

Commencing in 1942 and continuing through 1945, reserves were accumulated against a possible decline in inventory values and for repairs and renewals to road and equipment which had to be deferred due to shortages of labour and material. These reserves were built up to a total of \$46,524,000. During 1946, some progress was made in overtaking deferred maintenance and \$13,524,000 was taken from these reserves and credited to the expense accounts which had been charged in the first instance.

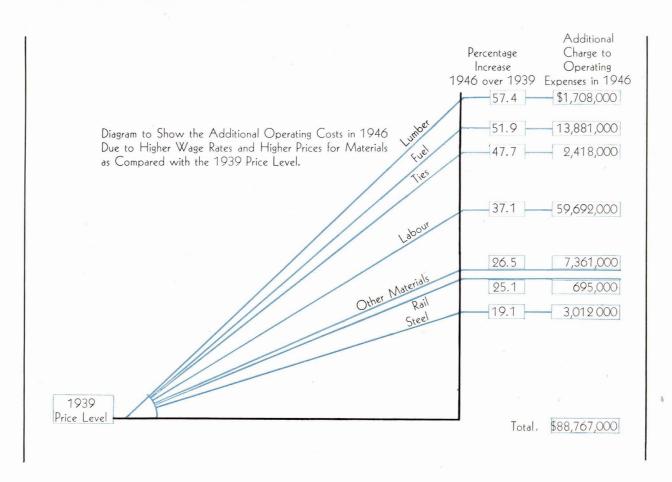
For depreciation on rolling stock the total charge to operating expenses was \$17,701,420 as compared with \$16,974,015 in the previous year. The rates remained the same, but the investment in rolling stock was greater.

The number of employees throughout the year averaged 105,353. The payrolls for the year totalled \$237,335,781.

The official cost of living index in Canada stood at 127.1% in December, 1946, against 103.8% in December, 1939, an increase of 22.45%. For the Railway the cost of living means the cost of labour and materials. Labour costs increased 37.1% between 1939 and 1946 and the cost of materials increased 35.9% during the same period. The additional operating costs in 1946 due to higher wage rates and material prices as compared with the 1939 price level amounted to \$88,767,000.

In previous reports the Directors have called attention to mounting operating costs. They pointed out that with freight rates and passenger fares frozen at their pre-war levels the Railway was dependent upon additional volume of traffic to produce satisfactory financial results and that in the event of any substantial decrease in traffic, not otherwise compensated for, a continuance of favourable financial results would not be possible. The developments in 1946 demonstrated the truth of that warning. The higher costs, which have been obscured by peak traffic conditions, became apparent as traffic volume diminished, and their impact has not yet been fully felt. The wage increases of June 1, 1946, will be in effect for the full year in 1947. It is estimated that material prices will be 10% higher. Thus operating costs will be some \$20 millions greater than in 1946. Confronted with these facts the Directors approved of the Canadian National Railways joining with other Canadian railways in making application, through the Railway Association of Canada, to the Board of Transport Commissioners for an increase in freight rates. This application is now being heard by the Board.





NET OPERATING REVENUE. After deducting operating expenses of \$357,236,718 from operating revenues of \$400,586,025, the net operating revenue was \$43,349,307. The corresponding amount in 1945 was \$78,479,345.

NET INCOME RESULT. After making provision for various charges consisting of taxes, equipment and joint facility rents, exchange and discount, also for various income credits such as dividends and interest income, the results of hotel and subsidiary company operations, etc., the net income available for the payment of interest was \$35,719,527, equal to a return of 1.78% on the total capitalization of the System. Interest payments due to the public and to the government totalled \$44,681,097. Thus, after providing for interest, there was an income deficit for the year of \$8,961,570, as compared with an income surplus of \$24,756,130 in 1945.

### CAPITAL EXPENDITURES

The capital expenditure during the year amounted to \$16,309,797, details of which are given on page 18.

New equipment acquired included 16 diesel-electric locomotives and 856 box cars.

In September the lines of the Manitoba Railway Company, which had been under long-term lease, were purchased for the capital sum of \$7,000,000 resulting in an annual saving of \$106,000.

Surveys were completed for the new line of railway in Quebec from Barraute to Kiask Falls, which will permit of the development of the natural resources of the Bell River valley north of the National Transcontinental Railway. The contract has been awarded for the construction of 39 miles in 1947. The length of the line is approximately 55 miles.



Looking toward the development of the valuable building sites above the track area of the Company's Central Station in the centre of the business section of the city of Montreal, the Directors submitted to the government a proposal for the construction of an office building and an hotel on the south side of Dorchester Street, between Ste. Geneviève and Mansfield Streets, one wing of the office building to be devoted to the international aviation organizations now having their world headquarters in Montreal. The project was approved in principle and authority given for the immediate construction of the aviation wing and the essential service facilities common to the whole project. The aviation wing will contain the offices of the International Civil Aviation Organization and the International Air Transport Association and will include ticket offices, waiting rooms and baggage rooms for the various air line companies. The contract for the structural steel has been awarded and work will begin as soon as conditions permit.

### **FINANCE**

The capital debt of the System was reduced during the year by \$15,193,307.43. Details are as under:

Funded	Debt	Reti	irements

2½ % 7-year Gtd. Bonds, matured Jan. 15, 1946	\$15,000,000.00	
$6\frac{1}{2}\%$ S.F. Deb. Bonds, matured July 1, 1946	23,752,000.00	
4% St. John & Quebec Ry. Debenture Stock	622,657.40	
Equipment Trusts—annual principal payments	3,150,000.00	
Various securities repatriated	232,342.59	
Reduction in Funded Debt		\$42,756,999.99

### Ne

New Government Loans		
Loans to retire the first two bond issues referred to at par, Atlantic & St. Lawrence Railroad Stock and various		
securities repatriated at market value	\$38,713,077.75	
Loan under Equipment Hire Purchase Agreement	2,345,949.56	
	\$41,059,027.31	
Government Loans Repaid		
Loans repaid out of 1945 surplus earnings	\$ 4,756,130.00	
Equipment Hire Purchase annual principal payments	6,193,793.46	
Payment under Financing and Guarantee Act 1945	2,545,411.29	
	\$13,495,334.75	\$27,563,692,56
Reduction in debt during the year		\$15,193,307.43

Details of the funded debt and government loans and of the interest charges thereon are shown on pages 18 and 19.



### GENERAL

The total number of shipments handled by Canadian National Express in 1946 was 18,937,707, an increase of 1,873,991 (10.98%) over 1945. Traffic handled and revenues earned were the largest in the history of the department. The greater proportion of the traffic was general merchandise.

Canadian National Telegraphs handled more telegrams and cablegrams than in any previous year, the total number exceeding twelve millions. The demand for leased telegraph, telephone and broadcasting circuits continued at a high level.

With a view to the expansion of commercial telegraph facilities, experimental work was advanced during the year on a radio relay system, Montreal-Ottawa-Toronto. These experiments are conducted by Canadian National Telegraphs in collaboration with Canadian Pacific Communications and the National Research Council. A radio link between Toronto and Hamilton will be included.

During the year, the Railway re-opened its traffic office in Hong Kong and established a new office in Calcutta.

Following a decision that the Company would undertake its own testing of materials, a well equipped chemical and physical laboratory has been established in Montreal.

Industry is making increasing demands upon the services of the Company's Department of Research and Development. Based on a broad experience in this field, on extensive source material and surveys on the ground, detailed economic studies are made by this department, ensuring a scientific and cooperative approach to the problems connected with the location and servicing of industrial plants.

The Department of Colonization and Agriculture is active in promoting the settlement of agricultural lands served by the Railway. During the year, 1,439 families and 690 single men were established on 253,742 acres of land and 4,922 persons were placed in agricultural, forestry and mining employment. The department brought a limited number of British immigrants into Canada and is in a position to deal with large-scale movements when it is called upon to do so.

An agreement was completed with the Canadian Pacific Railway for the abandonment of 12.2 miles of Canadian National line between Trelle Junction and Morinville, Alberta, and the joint use of 20.2 miles of the Northern Alberta Railways between N.A.R. Junction and Morinville. The appeal to the Governor-in-Council from the order of the Board of Transport Commissioners authorizing the abandonment of 64.7 miles of Canadian Pacific line between Forth (near Red Deer) and Ullin, Alberta, was dismissed and an agreement between the two railways is being negotiated.

The Interstate Commerce Commission authorized the abandonment of 49.08 miles of line of the Grand Trunk Western Railroad between Greenville and Muskegon, Michigan, and service was discontinued as of May 30, 1946.

The Directors desire to express appreciation of the excellent work done by the officers and employees throughout the System during a busy and difficult year.

Practically all the employees who served in the Armed Forces during the war have now been re-established in the Company's service and many war veterans not previously in the employ of the Company have been engaged.

For the Board of Directors,

Chairman and President.



### CONSOLIDATED BALANCE SHEET

ASS	ETS		
Investments:  Road and Equipment Property  Improvements on Leased Property.  Miscellaneous Physical Property	\$1,987,950,289.98 2,092,069.76 62,598,083.38	\$2,052,640,443.12	
Capital and Other Reserve Funds: System Securities at par. Other Assets at cost.	\$ 471,500.00 3,692,933.20	4,164,433.20	
Deferred Maintenance Fund		33,000,000.00 43,463,493.16	
System Securities at par Other Assets at cost	\$ 80,000.00 916,563.50	996,563.50	\$2,134,264,932.98
Current Assets: Cash Temporary Cash Investments Special Deposits Net Balances Receivable from Agents and Conductors Miscellaneous Accounts Receivable Dominion of Canada—Railway Deficit, 1946 Material and Supplies Interest and Dividends Receivable Accrued Accounts Receivable Other Current Assets		\$ 13,095,225.50 8,208,638.99 7,552,145.74 15,004,290.63 8,628,666.58 8,961,570.49 53,887,477.48 656,996.79 3,118,033.12 162,850.31	119,275,895.63
Deferred Assets: Working Fund Advances.		\$ 359,681.10	
Insurance Fund: System Securities at par Other Assets at cost  Pension Contract Fund Other Deferred Assets	7,599,966.58	12,334,768.96 35,943,000.00 2,771,910.19	51,409,360.25
Unadjusted Debits: Prepayments. Discount on Funded Debt.		\$ 77,117.65 5,164,916.57	<b>5</b> 15 212
Other Unadjusted Debits		2,209,785.56	7,451,819.78
			\$2,312,402,008.64

### CERTIFICATE

We have examined the books and records of the companies comprising the and subject to our report to Parliament, we certify that, in our opinion, the above view of the affairs of the System as at the 31st. December, 1946, and that the correctly stated.

15th. March, 1947.



### AT 31st. DECEMBER, 1946.

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STOCKS:		
Capital Stocks of Subsidiary Companies held by Public		\$ 4,635,440.00
Long Term Debt:		
Funded Debt Unmatured:		
Held by Public	\$525,136,695.17	
Held in Special Funds	5,286,302.38	530,422,997.55
Dominion of Canada (Accounts treated as assets in Public Accounts of Canada):		
Loans	\$701,765,305.39	N.
Canadian Government Railways—Working Capital	16,771,980.54	718,537,285.93
Current Liabilities:		
Traffic and Car-Service Balances—Credit	\$ 8,938,477.50	
Audited Accounts and Wages Payable	16,543,035.69	
Miscellaneous Accounts Payable	6,018,149.62	
Interest Matured Unpaid	6, 152, 189, 94	
Interest Payable to Dominion of Canada	19,261,876.25	
Unmatured Interest Accrued	6,097,254.28	
Accrued Accounts Payable	5,280,083.64	
Taxes Accrued	2,276,647.93	
Other Current Liabilities.	3,010,739.68	73,578,454.53
Other Current Diabilities	5,010,705.00	13,510,454.55
Deferred Liabilities:		
Pension Contract Reserve	\$ 35,943,000.00	
Other Deferred Liabilities	5,855,621.40	41,798,621.40
RESERVES AND UNADJUSTED CREDITS:		
Insurance Reserve	\$ 12,334,768.96	
Accrued Depreciation—Canadian Lines—Equipment only	85,786,241.90	
Accrued Depreciation—U.S. Lines—Road and Equipment	24,013,924.23	
Accrued Amortization of Defence Projects	3,691,602.43	
Deferred Maintenance Reserve	33,000,000.00	
Other Reserves	946,924.10	
Other Unadjusted Credits	7,637,172.34	167,410,633.96
		,,
Dominion of Canada—Proprietor's Equity—(See Note)		
Represented by:— 1,000,000 shares of no par value capital stock of Canadian National Railway		
Company	\$ 18,000,000.00	
5,000,000 shares of no par value capital stock of The Canadian National Railways	¥ 10,000,000.00	
Securities Trust	380,403,604.43	
Capital Expenditures by Dominion of Canada on Canadian Government		
Railways	377,614,970.84	776,018,575.27
Contingent Liabilities:		
Major contingent liabilities, as shown on statement attached.		
		\$2,312,402,008.64

NOTE:—The Proprietor's Equity is included in the net debt of Canada and is disclosed in the historical record of Government assistance to railways as shown in the Public Accounts of Canada in accordance with The Canadian National Railways Capital Revision Act, 1937.

T. H. COOPER, Vice-President and Comptroller

### OF AUDITORS

Canadian National Railway System for the year ended the 31st. December, 1946, Consolidated Balance Sheet is properly drawn up so as to exhibit a true and correct relative Income Account for the year ended the 31st. December, 1946, is

GEORGE A. TOUCHE & CO., Chartered Accountants.



### DOMINION OF CANADA—PROPRIETOR'S EQUITY ACCOUNT

	Balance at 31st. Dec., 1945		Transactions Year 1946	Balance at 31st. Dec., 1946
CAPITAL STOCK OF CANADIAN NATIONAL RAILWAY COMPANY	\$ 18,000,000.00	\$	_	\$ 18,000,000.00
Capital Stock of The Canadian National Railways Securities Trust:				
Initial stated value	\$270,037,437.88	\$	_	\$270,037,437.88
Surplus earnings	112,502,061.64		-	112,502,061.64
Capital gains	19,105,651.38		_	19,105,651.38
Capital losses	19,933,594.12	*	1,307,952.35	21,241,546.47
	\$381,711,556.78	\$	1,307,952.35	\$380,403,604.43
CAPITAL EXPENDITURES BY DOMINION OF CANADA ON CANADIAN				
GOVERNMENT RAILWAYS	\$377,614,970.84	\$		\$377,614,970.84
	\$777,326,527.62	\$	1,307,952.35	\$776,018,575.27

<sup>\*</sup>Loss (applicable to period prior to 1940) on retirement of rolling stock equipment.

### CAPITALIZATION OF CANADIAN NATIONAL RAILWAYS

		Balance at 31st. Dec., 1946	Percent of Total
EQUITY CAPITAL:*			
Capital Stock of Canadian National Railway Company	\$ 18,000,000.00		
Capital Stock of The Canadian National Railways Securities Trust	380,403,604.43		
Capital Expenditures by Dominion of Canada on Canadian Government			
Railways	377,614,970.84	\$ 776,018,575.27	38.6%
Fixed Interest Debt:			
Held by the public	\$530,422,997.55		
Dominion of Canada—Loans	701,765,305.39	1,232,188,302.94	61.4%
		\$2,008,206,878.21	100.0%

<sup>\*</sup>Excluding shares of subsidiary companies held by public—\$4,635,440.



### **OPERATING REVENUES**

Freight       \$296,4         Payments under Maritime Freight Rates Act (20%)       3,9         Passenger       50,1         Baggage       1         Sleeping Car       3,5         Parlor and Chair Car       2         Mail       4,2         Railway Express Agency       1         Express       1         Other Passenger-train       19,4         Milk       5         Switching       3,3         Water Transfers       2         Dining and Buffet       3,1         Restaurants       2         Station, Train and Boat Privileges       4         Parcel Room       1         Storage—Freight       1         Storage—Baggage       2         Demurrage       2,2         Telegraph Commissions (U.S.)       7,3         Telegraph—Commercial       7,3         Grain Elevator       8         Rents of Buildings and Other Property       8	1946 403,320.83 \$313,013,4 909,878.07 3,519,8 128,223.16 65,199,9 182,522.20 159,0 387,104.21 4,580,9 275,981.70 4,204,8 118,269.78 461,209.16 18,674,7 41,901.84 61,901.84 61,901.84 61,901.84 61,901.84 61,901.84 61,901.84 61,901.84 61,901.84 61,901.84 6242,268.32 183,2 104,899.44 4,608,5 281,704.48 301,33 1862,921.99 570,33 118,919.06 140,305.04 116,2 177,644.73 177,664 177,644.73 17,66 170,174.93 1,840,2 13,580.86	50.06 78.84 23.28 84.91 63.69 37.54 35.42 62.43 83.58 42.53 69.82 14.26 73.4.74 91.10 27.56 49.63 14.52 14.52 14.52 14.53
Miscellaneous 2,5 Joint Facility—Credit 8	340,019,34 7,540,49 205,476,07 513,6 368,635,14 898,49 324,982,72 2,165,00 312,390,49 822,6 109,038,81 118,20	99.50 18.04 93.41 22.58 41.49
	586,025.89 \$433,773,39	3 56
9400,00	φ.55,775,55	3.30
OPERATING EXPENSES		
	1946 1945	
Roadway Maintenance       8,76         Tunnels and Subways       5         Bridges, Trestles, and Culverts       2,8         Ties       6,19         Rails       2,8         Other Track Material       2,66         Ballast       1,77         Track Laying and Surfacing       18,33         Fences, Snowsheds, and Signs       6         Station and Office Buildings       2,80         Roadway Buildings       33         Water Stations       36         Fuel Stations       31         Shops and Enginehouses       2,02         Grain Elevators       4         Wharves and Docks       15         Telegraph and Telephone Lines       1,25         Telegraph—Commercial       1,25         Signals and Interlockers       1,25         Power Plants       1         Power Plants       1         Road Property—Depreciation—U.S. Lines       90         Road Property—Retirements       1,86         Deferred Maintenance       90         Roadway Machines       64         Dismantling Retired Road Property       24	67,817.94 \$ 3,944,22 61,886.50	17.73 19.50 19.50 19.20

\$ 67,156,485.69

\$ 70,311,162.19



### OPERATING EXPENSES (Continued)

MAINTENANCE OF EQUIPMENT	1946	1945
Superintendence Shop Machinery Power Plant Machinery Machinery—Retirements Machinery—Depreciation—U.S. Lines Dismantling retired machinery Steam Locomotives—Repairs Other Locomotives—Repairs Freight-train Cars—Repairs Passenger-train Cars—Repairs Floating Equipment—Repairs Work Equipment—Repairs Work Equipment—Repairs Miscellaneous Equipment—Repairs Miscellaneous Equipment—Repairs Dismantling Retired Equipment Equipment—Depreciation Injuries to Persons Insurance Stationery and Printing Other Expenses Joint Maintenance of Equipment—Credit Deferred Maintenance—Equipment Deferred Maintenance—Equipment Deferred Maintenance—Equipment Deferred Maintenance—Equipment	\$ 1,782,438.48 2,216,834.46 133,788.39 371,828.28 66,352.14 4,345.76 23,160,658.70 386,951.98 19,060,111.97 10,559,617.41 483,483.83 2,239,503.28 226,514.32 209,953.42 11,154.35 79,149.70 17,701,420.95 170,773.90 527,141.28 31,396.38 63,278.45 47,555.34 412,118.29 213,041.34 6,000,000.00	\$ 1,539,394.18 2,083,485.62 115,858.50 200,386.19 65,986.47 2,963.50 22,780,691.45 379,394.25 16,879,507.30 9,358.057.50 361,454.04 2,187,604.46 207,157.24 201,051.70 1,798.53 56,308.77 16,974,015.87 167,252.45 579,957.56 35,089.17 60,202.15 2,667.17 250,211.17 205,885.87 2,500,000.00
	\$ 73,733,329.72	\$ 76,784,609.37
TRAFFIC		
Superintendence. Outside Agencies. Advertising. Traffic Associations Stationery and Printing. Other Expenses. Industrial Bureau. Colonization, Agriculture and Natural Resources.	\$ 2,394,625.68 3,139,627.52 729,962.98 124,634.02 329,271.27 138,375.29 236,392.04	\$ 2,145,109.43 2,853,589.00 341,215.04 121,328.18 267,094.28 225.00 115,414.99 202,627.10
	\$ 7,092,888.80	\$ 6,046,603.02
TRANSPORTATION  Superintendence. Dispatching Trains Station Employees. Weighing, Inspection, and Demurrage Bureaus Coal and Ore Wharves Station Supplies and Expenses. Yardmasters and Yard Clerks. Yard Conductors and Brakemen Yard Switch and Signal Tenders Yard Enginemen Yard Motormen. Yard Switching Fuel. Yard Switching Power Produced Yard Switching Power Purchased Water for Yard Locomotives Lubricants for Yard Locomotives Other Supplies for Yard Locomotives Enginehouse Expenses—Yard Yard Supplies and Expenses Operating Joint Yards and Terminals—Debit Operating Joint Yards and Terminals—Credit Train Enginemen Train Motormen. Train Fuel Train Power Produced. Train Power Produced Water for Train Locomotives Lubricants for Train Locomotives	\$ 4,105,576.51 2,313,357.02 27,621,315.08 130,763.83 78,885.12 1,806,146.24 5,256,575.69 9,304,920.39 907,568.58 5,871,797.48 762,186.62 6,457,988.44 16,216.95 83,300.13 228,337.42 91,655.52 64,643.58 2,237,604.10 207,415.36 1,909.538.93 2,087,574.92 16,035,536.72 133,665.09 32,185,554.37 5,309.93 49,531.11 1,415,603.09 595,205.92 331,374.48	\$ 3,765,343.35 2,271,473.15 25,073,729.27 101,453.06 15,236.45 1,830,272.84 4,912,250.62 8,518,726.18 854,640.08 5,364,395.97 666,539.83 6,661,625.37 16,203.75 95,393.59 215,453.80 79,906.67 58,692.35 2,101,901.21 202,198.84 1,828,166.68 2,031,612.59 15,501,769.73 121,351.22 35,698,139.57 7,038.71 43,019.07 1,363.258.83 582,271.77 326,289.07
Carried Forward	\$118,119,998.78	\$116,245,128.44

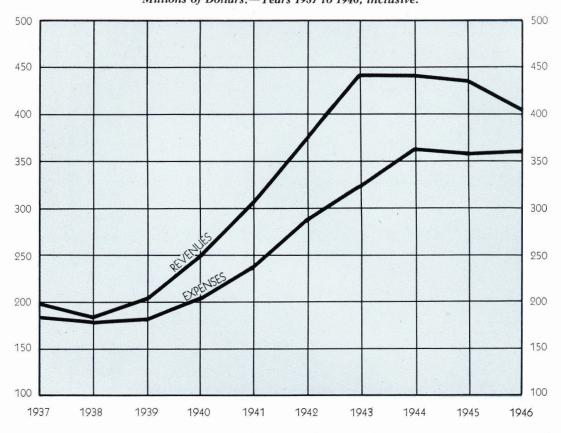


### OPERATING EXPENSES (Continued)

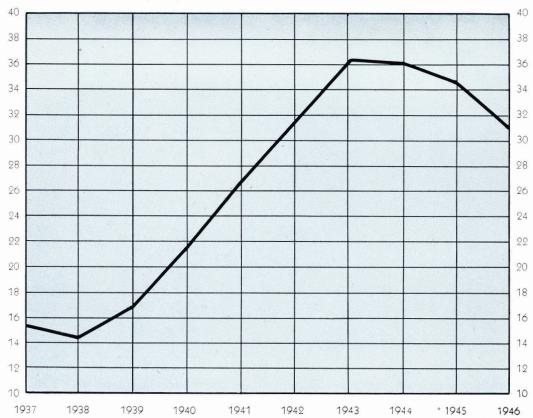
TRANSPORTATION (Continued)	1946	1945
Brought Forward Enginehouse Expenses—Train Trainmen Train Supplies and Expenses Operating Sleeping Cars. Signal and Interlocker Operation Crossing Protection Drawbridge Operation Telegraph and Telephone Operation Telegraph—Commercial. Operating Floating Equipment Express. Stationery and Printing Other Expenses Operating Joint Tracks and Facilities—Debit Operating Joint Tracks and Facilities—Credit Insurance. Clearing Wrecks Damage to Property Damage to Live Stock on Right-of-Way Loss and Damage—Freight Loss and Damage—Baggage Injuries to Persons	\$118,119,998.78 6,379,506.62 18,710,228.33 11,445,162.14 2,150,487.70 650,174.62 979,709.04 166,447.98 464,575.98 5,798,271.25 1,265,123.95 11,117,190.76 795,388.85 1,505,911.48 1,102,710.56 494,378.63 21,676.65 496,239.06 99,436.65 76,434.34 2,318,846.70 16,416.69 2,168,016.61	\$116, 245, 128, 44 6, 031, 058, 67 17, 902, 623, 65 11, 108, 584, 78 2, 157, 966, 96 564, 925, 05 846, 625, 97 131, 636, 51 434, 880, 56 5, 418, 338, 96 1, 231, 744, 64 9, 905, 469, 86 761, 103, 05 1, 307, 751, 13 880, 785, 07 421, 589, 49 16, 976, 80 500, 501, 25 78, 515, 34 77, 005, 86 2, 050, 234, 82 15, 744, 26 1, 873, 160, 28
	\$185,353,576.11	\$179,119,172.42
MISCELLANEOUS  Dining and Buffet Service. Restaurants. Grain Elevators. Other Miscellaneous Operations.	\$ 4,193,154.21 280,544.06 195,697.54 40,280.84	\$ 5,615,717.45 278,591.80 351,532.81 36,767.03
	\$ 4,709,676.65	\$ 6,282,609.09
GENERAL Salaries and Expenses of General Officers. Salaries and Expenses of Clerks and Attendants. General Office Supplies and Expenses. Law Expenses. Relief Department Expenses Pensions. Stationery and Printing Valuation Expenses Other Expenses. General Joint Facilities—Debit. General Joint Facilities—Credit.	\$ 539,613.28 6,904,342.48 354,481.91 429,900.22 27,500.00 10,446,942.09 280,250.94 15,075.89 148,898.15 55,756.14 11,999.78	\$ 493,631.92 6,197,145.02 308,283.54 393,064.75 27,500.00 8,864,923.03 247,722.64 15,987.70 165,347.34 47,948.29 11,661.84
	Ψ 13,130,701.32	Ψ 10,749,094.39



### OPERATING REVENUES AND EXPENSES Millions of Dollars:—Years 1937 to 1946, inclusive.

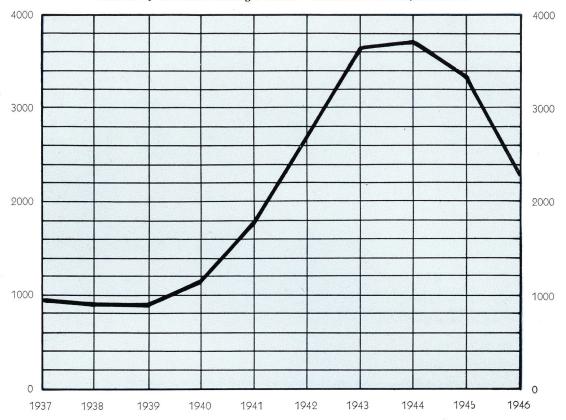


REVENUE TON MILES
Billions of Revenue Ton Miles:—Years 1937 to 1946, inclusive.

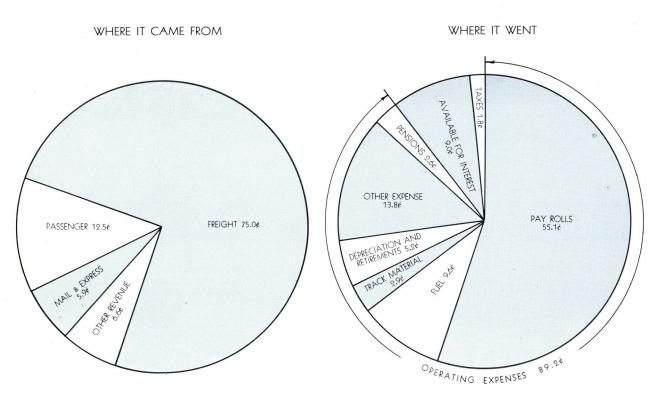


REVENUE PASSENGER MILES

Millions of Revenue Passenger Miles:—Years 1937 to 1946, inclusive.



THE CANADIAN NATIONAL DOLLAR





### PROPERTY INVESTMENT ACCOUNT

### Expenditures Year 1946

ROAD:		
New Lines Constructed	\$ 23,645.15	
New Lines Acquired		
Abandoned Lines	788,321.20	
Rails and FasteningsTie Plates and Rail Anchors		
Ballast		
Widening Cuts and Fills, etc	210,548.03	
Large Passenger Terminals		
Yard Tracks and Sidings	432,647.67	
Roadway Machines	170,722.22	
Bridges, Trestles and Culverts	541,053.78	
Stations and Station Facilities	550,312.93 1,314,920.09	
Automatic Signals and Interlocking Plants	128,507.69	
Telegraphs—Railway	157,656.40	
Telegraphs—Commercial	753,570.13	
Land	864,436.91	
General	90,188.42	\$11,712,062.20
Equipment:		
Equipment Purchased or Built	\$5,909,373.89	
Equipment Retirements	1,607,382.21 877,606.40	
Equipment Conversions.		
Express and Miscellaneous Equipment	105,093.52	5,093,487 53
Hotels		46,912.26
Separately Operated Properties		542,664.55
NET ADDITIONS AND BETTERMENTS DURING 1946		\$16,309,797.44
Ledger Balance 1st. January, 1946\$2	2,037,638,598.03	
Net Additions and Betterments during the year		
Equipment retirements—proportion of ledger value charged to		
Proprietor's Equity	15,001,845.09	
Ledger Balance at 31st. December, 1946\$2	2,052,640,443.12	
=		

### DOMINION OF CANADA—LOANS

	Principal Outstanding at Dec. 31, 1946	Interest Accrued 1946	Average Interest Rate
Loans for repatriation of U.K. securities.  Loans for debt redemption  Loans for new rolling stock  Loans for working capital.		\$13,693,940.90 5,001,669.12 2,140,228.23 486,744.98	3.50% 2.30% 2.89% 3.50%
	\$701,765,305.39	\$21,322,583.23	3.05%



### FUNDED DEBT—PRINCIPAL AND INTEREST

NAME OF SECURITY	Issuing Company		Date of ssue	Date of Maturity	Principal Outstanding at Dec. 31, 1946	Interest Accrued 1946
GUARANTEED BY DOMINION OF CANADA:						
Perpetual Debenture Stock	G.T.R. G.T.R. G.T.R. G.T.P. G.T.P. Can. Nor. Can. Nor. C.N.A. C.N.O. Can. Nat.	1875 1858 1883 July July July Mar. Mar. Dec. Feb. July Oct. Feb. June Feb. Feb. Feb. Jan.	to 1883 to 1876 to 1918 31, 1884 1, 1905 1, 1914 29, 1903 1910 22, 1911 1, 1924 1, 1927 1, 1929 1, 1930 15, 1930 1, 1931 1, 1931 15, 1936 1, 1937 15, 1939	Perpetual Perpetual Perpetual Perpetual Perpetual Jan. 1, 1962 Jan. 1, 1962 July 10, 1953 July 20, 1958 May 4, 1960 May 19, 1961 Feb. 1, 1954 July 1, 1957 Oct. 1, 1969 Feb. 1, 1970 June 15, 1955 Feb. 1, 1951 Feb. 15, 1953 Feb. 1, 1953 Feb. 1, 1953 Feb. 1, 1955 Jan. 15, 1959	\$ 1,473,495,26 853,272,66 5,960,094,73 27,457,73 26,465,130,00 7,999,074,00 1,162,768,33 5,636,508,16 550,726,60 3,603,182,68 50,000,000,00 64,136,000,00 57,728,500,00 17,338,000,00 48,496,000,00 67,368,000,00 48,022,000,00 25,000,000,00 20,000,000,00 35,000,000,00	42,372.47 236,903.50 1,098.31 793,953.90 319,962.96 34,883.04 197,287.05 19,276.88 126,008.21 2,500,000.00 2,886,120.00 2,886,425.00 866,900.00 2,303,560.00 2,160,990.00 750,000.00 600,000.00
Total	*******	****			\$486,820,210.15	\$20,880,643.90
Guaranteed by Province of British C	OLUMBIA:					
4% 1st. Mortgage Debenture Stock 4½% Terminal Debenture Stock	C.N.P. C.N.P.	Nov. 1913 a	16, 1911 and 1914	Apr. 2, 1950 Apr. 2, 1950	\$ 798,055.48 1,154,052.13	
Total					\$ 1,952,107.61	\$ 83,666.99
Equipment Trust Issues:						
2½% Series "O" 23¼% " "P" 2½% " "O" 2½% " "G.T.W."	Can. Nat. Can. Nat. Can. Nat. G.T.W.	Aug. Sept. July June	1, 1937 15, 1938 1, 1939 1, 1941	Ser. 1, 8, '47 Ser. 15, 9, '53 Ser. 1, 7, '49 Ser. 1, 6, '51	\$ 1,430,000.00 3,600,000.00 1,950,000.00 2,557,000.00	108,739.61 56,875.00
Total		******			\$ 9,537,000.00	\$ 295,643.78
OTHER ISSUES:						
4% Canada Atlantic 1st. Mtge Bonds. 4% 1st. Mortgage Bonds. 4% 2nd. Mtge. Bonds, Prairie "A". 4% 2nd. Mtge. Bonds, Mountain "B". 4% 1st. Mtge. Bonds, "Lake Superior". 4% Perpetual Cons. Debenture Stock. 4% Perpetual Cons. Debenture Stock. 4% Perpetual Cons. Debenture Stock. 4% 1st. Mtge. Perp. Debenture Stock. 1st. Mtge. Bonds. 4% 1st. Mortgage Bonds. 1st. Mortgage Gold Bonds. 1st. Mortgage Gold Bonds. 1ndebtedness to Province of N.B. Interest on Securities retired in 19	Pem. Sou. G.T.P. G.T.P. G.T.P. Can. Nor. C.N.O. Q.& L.St.J. G.T.W. M. & P. L. Can. Nat.	June Oct. June Nov. Jan. Oct. Sept.	1, 1905 1, 1906 1, 1905 1, 1905 1, 1905 to 1912 21, 1909 1906 1, 1912 30, 1900 1, 1930 1, 1930 3, 1929	Jan. 1, 1955 Sept. 1, 1956 Apr. 1, 1955 Apr. 1, 1955 Apr. 1, 1955 Perpetual Perpetual Perpetual Perpetual July 1, 1950 Jan. 1, 1980 Oct. 1, 1958	9,947,934.00 150,000.00 3,574,530.00 2,152,008.00 3,994,024.66 890,084.13 465,545.33 287,289,07 6,527,336.00 400,000.00 200,000.00 380,022.60	6,000.00 142,991.45 125,827.00 86,090.57 158,939.70 35,605.37 18,621.81 11,491.56 261,237.86 18,000.00 8,000.00
Total					\$ 32,113,679.79	\$ 2,098,559.51
Total Debt held by Public (including ther and Accounts) as per Balance Sheet.					\$530,422,997.55	\$23,358,514.18

These obligations are stated in Canadian currency, Sterling and United States currencies being converted at the par of exchange. This schedule does not include securities in the Railway treasury or those held by The Canadian National Railways Securities Trust, or by the Dominion Government as collateral.



### INVESTMENTS IN AFFILIATED COMPANIES

COMPANY	Total Par Value	Owned by Car	n. Nat. System
STOCKS:	Outstanding	Par Value	Book Value
The Belt Railway Company of Chicago . Canadian Government Merchant Marine, Limited . Central Vermont Transportation Company . Chicago & Western Indiana Railroad Company . The Detroit & Toledo Shore Line Railroad Company . Detroit Terminal Railroad Company . Northern Alberta Railways Company . (representing amount paid up, i.e. 10%) The Ontario Car Ferry Company (Limited) . The Public Markets, Limited . Railway Express Agency, Incorporated (no par value) . The Toronto Terminals Railway Company . The Toledo Terminal Railroad Company . Trans-Canada Air Lines . (representing amount paid up, i.e. 82.5%) Vancouver Hotel Company Limited .	\$ 3,120,000.00 800.00 200,000.00 5,000.000.00 3,000,000.00 625,000.00 1,150,000.00 1,000 shares 500,000.00 4,000,000.00 6,600,000.00	\$ 240,000.00 800.00 50,000.00 1,000,000.00 1,500,000.00 312,500.00 250,000.00 6 shares 250,000.00 387,200.00 6,600,000.00	\$ 240,000.00 800.00 20,000.00 1,000,000.00 1,500,000.00 1,000,000.00 312,500.00 179,007.53 575,000.00 250,000.00 387,200.00 6,600,000.00 75,000.00 \$12,140,107.53
Bonds: Northern Alberta Railways Co. 1st. Mortgage Bonds	\$31,530,000.00	\$15,765,000.00	\$15,765,000.00
The Toronto Terminals Railway Co. 1st. Mortgage Bonds	25,810,000.00	12,905,000.00	12,905,000.00
Annuage			\$28,670,000.00
Advances: Chicago & Western Indiana Railroad Company The Railroad Credit Corporation Railway Express Agency, Incorporated Vancouver Hotel Company Limited			\$ 2,482,544.01 5,555.86 155,077.87 10,207.89
	*		\$ 2,653,385.63
			\$43,463,493.16

### MAJOR CONTINGENT LIABILITIES

At 31st. December, 1946, Canadian National Railway Company had subscribed for \$8,000,000 of the Capital Stock of the Air Lines of which \$6,600,000 has been called and paid in.

Northern Alberta Railways Company:
At 31st. December, 1946, Canadian National Railway Company had subscribed for \$3,125,000 of the Capital Stock of the Railways Company of which \$312,500 has been called and paid in.

THE DETROIT & TOLEDO SHORE LINE RAILROAD COMPANY:

Assumed by Grand Trunk Western Railroad Company as joint and several guarantor by indorsement of principal and interest of \$3,000,000 First Mortgage 4%—50 Year Gold Bonds due 1953.

THE TOLEDO TERMINAL RAILROAD COMPANY:

Assumed by Grand Trunk Western Railroad Company in respect of \$5,800,000 First Mortgage 4½%—50 Year Gold Bonds due 1957. The guarantee is as to interest only and is several and not joint. Grand Trunk Western's proportion is 9.68%.

CHICAGO & WESTERN Indiana Railroad Company:

Assumed by Grand Trunk Western Railroad Company, pursuant to joint supplemental lease dated 1st. July, 1902, between Grand Trunk Western Railway Company and four other proprietary companies. Obligation is for repayment of principal of bonds at their maturity, and of interest as it falls due by way of annual rentals. The Grand Trunk Western's obligation is for one-fifth of the bonds issued for "common" property and the entire amount of bonds issued for its "exclusive" property. The bonds are Consolidated Mortgage 50 Year 4% bonds due 1952 and the amounts outstanding at 31st. December, 1946, are:

Issued for "common" property. \$39,973,019.39

Issued for "exclusive" property. \$252,535.36

Assumed by Grand Trunk Western Railroad Company pursuant to joint supplemental lease dated 1st. March, 1936, between Grand Trunk Western Railroad Company and other proprietary companies. Obligation is to pay as rental sinking fund payments sufficient to retire bonds at maturity and interest as it falls due. The Grand Trunk Western's proportion is one-fifth in the absence of default of any of four other tenant companies. The bonds are First and Refunding Mortgage 4½% Series "D" Sinking Fund Bonds due 1962 and the amount outstanding at 31st. December, 1946, is \$17,198,000.

Reserves have been set up against contracts in force under the 1935 contractual plan, but not against pensions conditionally accruing under that plan or prior non-contractual plans.



### COMPANIES COMPRISING THE CANADIAN NATIONAL RAILWAY SYSTEM

### CAPITAL STOCKS OWNED BY DOMINION OF CANADA

Company Number		
Number	C I V I I D I C	0 10 000 000 00
1	Canadian National Railway Company	\$ 18,000,000.00
2	The Canadian National Railways Securities Trust	380,403,604.43
		\$398,403,604.43

### CAPITAL STOCKS OWNED BY SYSTEM OR PUBLIC

	Name of Issuing Company	Owned by Company Number	Capital Stock Issued	Owned by Public
3 4 5 6 7 8 9	Atlantic and St. Lawrence Railroad Company The Bay of Quinte Railway Company The Bessemer and Barry's Bay Railway Company *Brooksay Realty Company The Canadian Express Company Canadian National Electric Railways Canadian National Express Company	1 22 22 28 1 22 23	\$ 6,302,340.00 1,395,000.00 125,000.00 2,000.00 1,768,800.00 1,750,000.00 1,000,000.00	\$ 111,840.00
10 11 12 13	Canadian National Land Settlement Association. *Canadian National Railways (France)—francs 30,000,000. *Canadian National Realties, Limited. Canadian National Rolling Stock Limited.	1 1 22 1	1,893,573.92 40,000.00 50,000.00	
14 15 16 17 18	*Canadian National Steamship Company, Limited	43 22 1 22 22	15,000.00 500,000.00 500.00 3,000,000.00 250,000.00	
19 20 21 22 23	The Canadian Northern Ontario Railway Company  Canadian Northern Pacific Railway Company  The Canadian Northern Quebec Railway Company  The Canadian Northern Railway Company	22 22 22 1 22	10,000,000.00 25,000,000.00 9,550,000.00 18,000,000.00	3,849,200.00
24 25 26 27	The Canadian Northern Railway Express Company, Limited Canadian Northern Steamships, Limited Canadian Northern System Terminals (Limited) Canadian Northern Western Railway Company Cannar Oils Limited	22 22 22 22 1	1,000,000.00 2,000,000.00 2,000,000.00 2,000,000.00 100.00	
28 29 30 31	*The Centmont Corporation The Central Ontario Railway Central Vermont Railway, Inc. Central Vermont Terminal, Inc.	30 22 1 30 28	176,400.00 3,331,000.00 10,000,000.00 5,000.00 5,000.00	
32 33 34 35 36	*Central Vermont Transit Corporation  *Central Vermont Warehouse, Inc.  The Champlain and St. Lawrence Railroad Company  *Consolidated Land Corporation  *The Dalhousie Navigation Company, Limited	28 28 1 46 22	5,000.00 50,000.00 64,000.00 50,000.00	
37 38 39 40	Duluth, Rainy Lake & Winnipeg Railway Company  Duluth, Winnipeg and Pacific Railroad Company  Duluth, Winnipeg and Pacific Railway Company  *Grand Trunk-Milwaukee Car Ferry Company	39 39 22 46	2,000,000.00 100,000.00 3,100,000.00 200,000.00	
41 42 43 44 45	The Grand Trunk Pacific Branch Lines Company  *The Grand Trunk Pacific Development Company, Limited The Grand Trunk Pacific Railway Company The Grand Trunk Pacific Saskatchewan Railway Company  *Grand Trunk Pacific Terminal Elevator Company, (Limited)	43 43 1 43 43	200,000.00 3,000,000.00 24,940,200.00 20,000.00 501,000.00	
46 47	Grand Trunk Western Railroad Company (Common)	15	20,000,000.00 25,000,000.00 373,625.00	6,925.00
48 49 50 51	The Halifax and South Western Railway Company *Industrial Land Company International Bridge Company The James Bay and Eastern Railway Company	22 46 1 22	1,000,000.00 1,000.00 1,500,000.00 125,000.00	
	Carried Forward		\$183,389,538.92	\$ 3,967,965.00



### COMPANIES COMPRISING THE CANADIAN NATIONAL RAILWAY SYSTEM (Continued)

### CAPITAL STOCKS OWNED BY SYSTEM OR PUBLIC (CONT'D)

Company	Name of Issuing Company	Owned by Company	Capital Stock		Owned by
Number	TAME OF ISSUING COMPANY	Number	Issued		Public
1 dilloci	Brought Forward	rumber	\$183,389,538.92	\$	3,967,965.00
52		22		Ψ	0,301,300.00
53	The Lake Superior Terminals Company Limited The Maganetawan River Railway Company	1	500,000.00		
54	Manitoba Northern Railway Company	1			
55	The Marmora Railway and Mining Company	$2\overset{1}{2}$	500,000.00		
56	The Minnesota and Manitoba Railroad Company	$\frac{22}{22}$	128,600.00 400,000.00		
57	The Minnesota and Ontario Bridge Company	22	100,000.00		
58	Montreal and Province Line Railway Company	28			
59	*Montreal and Southern Counties Railway Company	1	1,000,000.00		165 600 00
60	The Montreal and Vermont Junction Railway Company	30	500,000.00 197,300.00		165,600.00
61	*Montreal Fruit & Produce Terminal Company, Limited	1	500.00		
62	*The Montreal Stock Yards Company	1	350,000.00		
63	*The Montreal Warehousing Company	1	236,000.00		19 940 00
64	Mount Royal Tunnel and Terminal Company, Limited				12,240.00
65	Muskegon Railway and Navigation Company	22	5,000,000.00 161,293.00		
66	*National Terminals of Canada Limited	46			
67	*National Terminals of Canada, Limited	1	2,500.00		
68	National Transcontinental Railway Branch Lines Company *The Niagara, St. Catharines and Toronto Railway Company	$\frac{1}{22}$	500.00		
69	*The Niagara, St. Catharines and Toronto Navigation Company	44	925,000.00		
09		68	100,000.00		
70	(Limited)				
71	The Oshawa Kanway Company	1	40,000.00		
72	The Ottawa Terminals Railway Company	1	250,000.00 107,800.00		
73	*Prince Duport Limited	1	10,000.00		
74	*Prince Rupert, Limited	$\frac{1}{22}$			100 160 00
75	The Quebec and Lake St. John Railway Company	22	4,508,300.00		489,160.00
13	The Qu'Appelle, Long Lake and Saskatchewan Railroad and	22	201,000.00		
76	Steamboat Company	1			
77	*Rail & River Coal Company		2,000,000.00		
78	St. Boniface Western Land Company	22 22	250,000.00		
79	The St. Charles and Huron River Railway Company		1,000.00		
80	St. Clair Tunnel Company	1	700,000.00		
	*The Thousand Islands Railway Company	1	60,000.00		
81	†Trans-Canada Air Lines	1	6,600,000.00		455 00
82	The United States and Canada Rail Road Company	1	219,400.00		475.00
83	Vermont and Province Line Railroad Company	1	200,000.00		
84	The Winnipeg Land Company Limited	22	100,000.00		
			\$208,768,731.92	\$	4,635,440.00

The Income Accounts of Companies indicated (\*) are included in the System Income Account as "Separately Operated Properties."

<sup>†</sup>Treated as an Affiliated Company.







Top: Exterior view of a Canadian National day coach.

Centre: Latest type Canadian National refrigerator car which features an entirely new system of wet and dry flues.

Below: One of the new 1000-h.p. Canadian National diesel locomotives for switching-yard use. A number of these are in service and others are on order.





### RAILWAY EQUIPMENT

	December 31, 1945	Additions During Year	Retirements During Year	Conver During Added		December 31, 1946
Locomotives: Passenger—Freight. Switching. Electric	1,975 523 24		7 2	1	1	1,967 522 24
Oil Electric	2,559	16 16	3	1	1	2,563
Freight Equipment: Box Cars. Flat Cars. Stock Cars. Coal Cars.	70,901 5,373 3,037 15,661	856	750 29 8 94	26 1	341 33 5	70,692 5,312 3,029 15,562
Tank Cars Refrigerator Cars Caboose Cars Other Cars in Freight Service	3,205 1,648 10	1	1 8 35 3	3		3,198 1,613 10
Total	99,977	857	928	30	379	99,557
Passenger Equipment: Coach Cars Combination Cars Dining Cars Colonist Cars Parlor Cars Cafe Cars Sleeping Cars Tourist Cars Baggage and Express Cars Postal Cars Unit Cars Other Cars in Passenger Service	1,196 270 96 190 47 28 302 46 1,042 49 40 65	* 22 22	21 4 1 3 14 2 1 46	3 1 1	30 2 1 6 39	1,145 266 96 189 50 28 298 47 1,050 49 37 58
WORK EQUIPMENT:	- · · ·	00	905	005		7, 100
Cars in Work Service	7,444	20	385	385	2	7,462
Floating Equipment: Car Ferries. Barges. Tugs. Work.	8 5 4 3					8 5 4 3

<sup>\*</sup>Previously under lease from Arms-Yager Company.



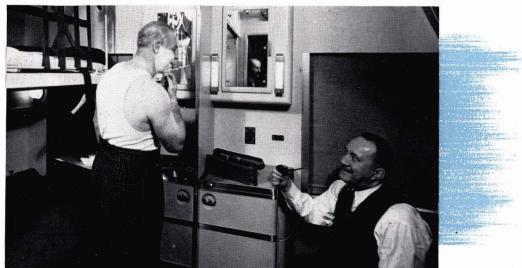




Interior of one of the redesigned, refurnished chair cars.

Roomier seats and larger windows are features of Canadian National day coaches now being built.

The lately redesigned bedroom-buffet-lounge cars have single bedrooms with a movable partition allowing them to be converted into a double bedroom.





Interior lounge section of redesigned bedroom-buffet-lounge cars showing arrangement of furniture, with library in centre of car.



### STATISTICS OF RAIL-LINE OPERATIONS

The we Market	1946	1945
Train-Miles: Freight Service. Passenger Service.	41,817.432 23,581,125	43,381,957 24,600,264
Total Work Service	65,398,557 1,583,828	67,982,221 1,732,082
Total	66,982,385	69,714,303
Locomotive-Miles: Freight Service Passenger Service Train Switching—Freight —Passenger Yard Switching —Freight —Passenger	44,374,635 23,380,822 3,797,979 118,597 15,339,794 1,647,359	46,392,068 24,382,258 3,659,667 104,120 15,247,844 1,474,192
Total	88,659,186 2,154,186	91,260,149 2,402,612
Total	90,813,372	93,662,761
Car-Miles—Freight Service: Loaded Freight Cars Empty Freight Cars Passenger Coach and Combination cars Sleeping, Parlor and Observation Cars Dining Cars Other Cars Caboose	1,140,162,216 477,233,755 6,605,024 308,517 20,328 6,851,524 41,314,017	1,173,624,393 528,469,997 6,956,586 313,716 15,796 6,789,874 42,490,621
Total	1,672,495,381	1,758,660,983
Car-Miles—Passenger Service: Loaded Freight Cars Empty Freight Cars Passenger Coach and Combination Cars Sleeping, Parlor and Observation Cars Dining Cars Other Cars Motor Unit Cars Caboose	213,046 29,557 67,830,334 54,245,384 9,189,041 70,863,420 890,569 1,147,231	386, 155 162, 865 81, 828, 393 61, 263, 172 11, 440, 316 69, 802, 421 972, 725 1, 669, 296
Total	204,408,582	227,525,343
Car-Miles—Total. Work Service	1,876,903,963 4,598,630	1,986,186,326 3,989,987
Total	1,881,502,593	1,990,176,313
Average Mileage of Road Operated	23,437.12	23,498.36
Freight Traffic: Tons carried—Revenue freight Tons carried one mile—Revenue freight Freight revenue Revenue per ton. Revenue per ton mile. Miles per revenue ton. Ton-miles—Revenue freight per mile of road Ton-miles—All freight per mile of road. Gross ton-miles of cars, contents and cabooses. Net ton-miles of freight (Revenue and non-revenue) Train-hours in freight road service.	78,950,008 30,811,920,078 \$300,313,199 \$3,80384 \$0,00975 390,27 1,314,663 1,425,942 71,654,047,848 33,419,975,710 2,723,640	79,941,296 34,599,518,473 \$316,533,329 \$3.95957 \$0.00915 432.81 1,472,423 1,589,767 77,301,216,775 37,356,916,946 2,850,886
Passenger Traffic: Passengers carried. Passengers carried one mile. Passenger revenue. Revenue per passenger. Miles per revenue passenger. Revenue per passenger mile. Passenger-miles per mile of road.	22,320,490 2,289,022,387 \$50,128,223 \$2,24584 102.55 \$0.02190 97,667	30,370,680 3,338,197,658 \$65,199,923 \$2,14680 109 92 \$0,01953 142,061
NET RAILWAY OPERATING INCOME: Gross Revenue per mile of road. Gross Railway operating charges per mile of road. Net railway operating income per mile of road.	\$17,091.95 \$15,745.41 \$1,346.54	\$18,459.73 \$15,571.11 \$2,888.62

### OPERATED MILEAGE, 31st. DECEMBER, 1946

### OPERATED ROAD MILEAGE

Territory	Owned	Leased	Trackage	Total
Atlantic Region	2,986.85	6.41	82.95	3,076.21
Central Region	7,089.00	353.13	27.85	7,469.98
Western Region	11,427.18	34.84	64.07	11,526.09
Grand Trunk Western Lines	903.19	9.50	59.75	972.44
Central Vermont Lines	237.92	125.18	58.73	421.83
Total First Main Track	22,644.14	529.06	293.35	23,466.55
Lines in Canada	21,287.60	222.05	170.48	21,680.13
Lines in United States	1,356.54	307.01	122.87	1,786.42
OPERATED MILEAGE ALL TRACKS				
First Main Track	22,644.14	529.06	293.35	23,466.55
Second Main Track	1,218.37	9.34	85.42	1,313.13
Third Main Track	26.65		3.49	30.14
Fourth and Other Main Tracks	10.78		5.09	15.87
Spurs, Sidings and Yard Tracks	5,926.39	172.79	1,178.51	7,277.69
Total All Tracks	29,826.33	711.19	1,565.86	32,103.38



Air view of the important C.N.R. shops at Moncton, N.B.

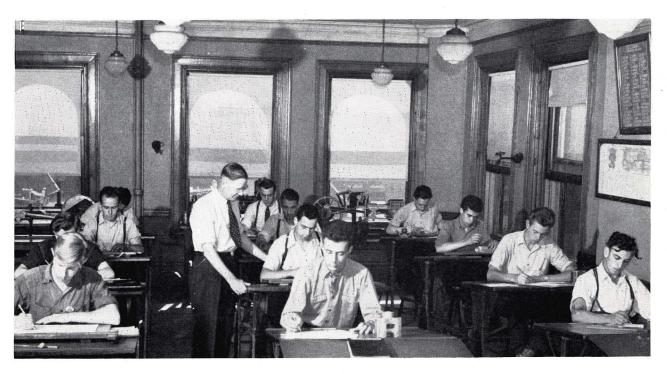
### DISBURSEMENT OF TOTAL OPERATING REVENUES AND EXPENSES

	Operating re			kpenses were
	disbur	sed:—	disbu	rsed:—
	1946-%	1945-%	1946-%	1945-%
Labour	55.10	47.19	61.79	57.61
Fuel	9.65	9.77	10.82	11.92
Other Expenses	24.43	24.95	27.39	30.47
Total Operating Expenses	89.18	81.91	100.00	100.00
Available for Taxes and Other Accounts	10.82	18.09		
Total	100.00	100.00	100.00	100.00
Maintenance of Way Accounts	16.76	16.21	18.80	19.79
Maintenance of Equipment Accounts	18.41	17.70	20.64	21.61
Traffic Accounts	1.77	1.39	1.99	1.70
Transportation Accounts	46.27	41.30	51.88	50.42
Miscellaneous Accounts	1.18	1.45	1.32	1.77
General Accounts	4.79	3.86	5.37	4.71
Total Operating Expenses	89.18	81.91	100.00	100.00

### EMPLOYEES AND THEIR COMPENSATION

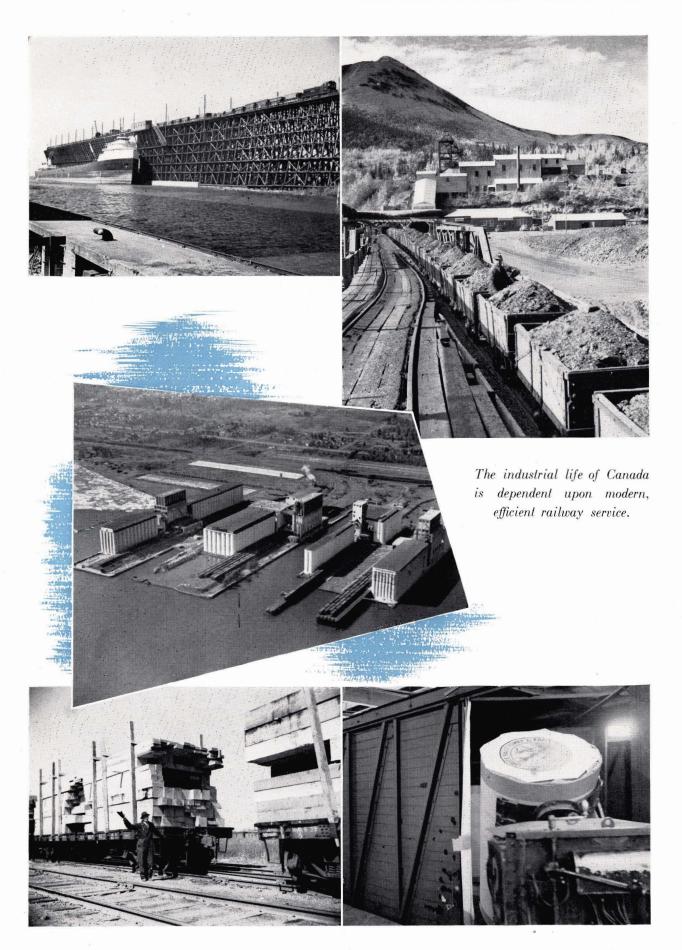
	*Average Number		% Inc. over Pre	evious Year
Year	of Employees	*Total Payroll	Employees	Payroll
1939	78,129	\$122,354,101		
1940	82,831	132,584,063	6.02	8.36
1941	89,536	153,654,368	8.09	15.89
1942	94,592	177,042,773	5.65	15.22
1943	101,126	195,555,045	6.91	10.46
1944	102,764	222,649,839	1.62	13.86
1945	105,624	220,507,637	2.78	. 96
1946	105,353	237,335,781	. 26	7.63

<sup>\*</sup>Includes railway, express and telegraph employees. Excludes hotel and subsidiary company employees.



Classroom training of apprentices is a long-established part of shop practice of the Canadian National Railways.







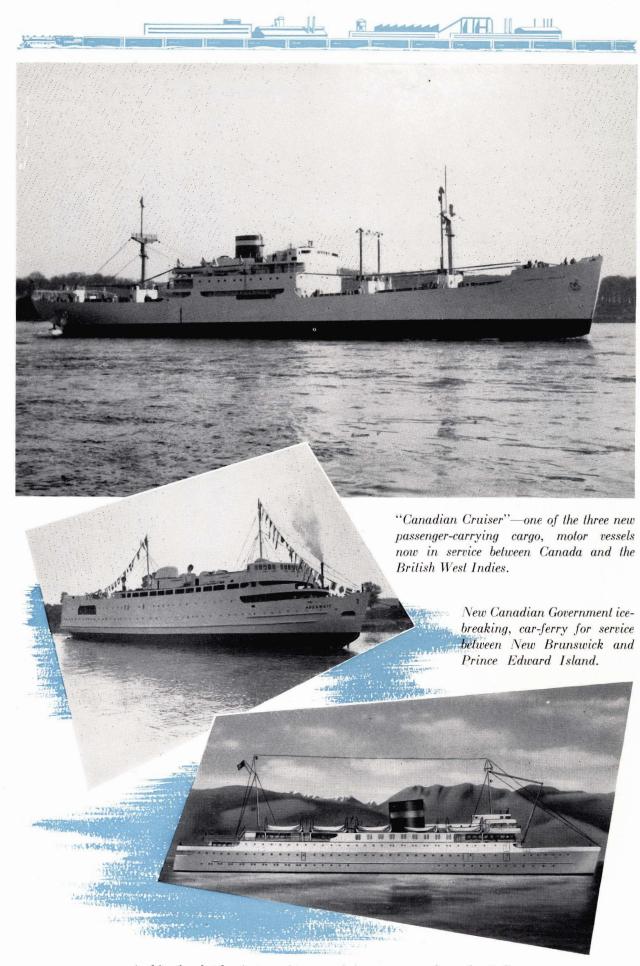
### REVENUE TONNAGE BY COMMODITIES

	Year 1946	Year 1945	Increase Decrea	
Agricultural Products:	Tons	Tons	Tons	cents
Wheat Corn Oats Barley Rye. Flaxseed Other Grain (including dried peas, beans, soya beans) Flour Other Mill Products Hay and Straw Cotton Apples (fresh) Other Fruit (fresh) Potatoes. Other Fresh Vegetables Other Agricultural Products (excluding dried peas, beans, soya beans)	5,630,365 442,397 1,724,535 1,141,953 76,929 104,275 166,668 1,216,415 2,235,176 242,828 92,383 110,715 470,823 397,721 262,100 747,320	8,836,831 470,431 1,853,887 1,370,197 85,227 116,848 155,894 1,177,277 2,120,249 253,578 79,755 91,224 432,482 411,572 261,268 725,845	3,206,466 28,034 129,352 228,244 8,298 12,573 10,774 39,138 114,927 10,750 12,628 19,491 38,341 13,851 832 21,475	36 . 29 5 . 96 6 . 98 16 . 66 9 . 74 10 . 76 6 . 91 3 . 32 5 . 42 4 . 24 15 . 83 21 . 37 8 . 87 3 . 37 . 32 2 . 96
Total	15,062,603	18,442,565	3,379,962	18.33
Animal Products:  Horses Cattle and Calves Sheep Hogs Poultry (live) Dressed Meats or Dressed Poultry (fresh or frozen) Dressed Meats (cured or salted) Other Packing House Products (edible) Eggs Butter Cheese Wool Hides and Leather Other Animal Products (non-edible)	68,869 390,505 27,983 153,108 990 230,219 132,800 55,474 73,970 50,205 61,519 72,043 85,239 127,285	46,296 398,994 27,136 218,802 2,431 294,449 233,454 42,377 91,125 65,345 88,219 67,404 85,696 114,463	22,573 8,489 847 65,694 1,441 64,230 100,654 13,097 17,155 15,140 26,700 4,639 457 12,822	48.76 2.13 3.12 30.02 59.28 21.81 43.12 18.83 23.17 30.27 6.88 53 11.20
Total	1,530,209	1,776,191	245,982	13.85
MINE PRODUCTS: Anthracite Coal Bituminous Coal . Sub-Bituminous Coal and Lignite Coal Coke Iron Ores and Concentrates. Copper Ore and Concentrates Other Ores and Concentrates. Base Bullion, Matte, Pig and Ingot (non-ferrous metals) Sand and Gravel Stone (crushed, ground, broken) Slate, Dimension or Elock Stone Crude Petroleum Asphalt (natural, by-product petroleum) Salt Other Mine Products (not fully processed)  Total	3,077,841 9,882,636 1,836,392 1,274,250 977,456 161,310 1,348,638 506,658 1,944,218 2,030,272 103,640 523,124 268,972 515,273 1,440,335	2,095,409 9,193,585 1,823,304 1,472,883 646,270 181,605 2,033,078 819,398 1,438,943 2,009,009 70,984 606,176 199,882 567,193 1,042,179 24,199,898	982,432 689,051 13,088 198,633 331,186 20,295 684,440 312,740 505,275 21,263 32,656 83,052 69,090 51,920 398,156	46.88 7.49 72 13.49 51.25 11.18 33.67 38.17 1.06 46.00 13.70 34.57 9.15 38.20 6.99
Carried Forward	42,483,827	44,418,654	1,934,827	



### REVENUE TONNAGE BY COMMODITIES (Continued)

	Year 1946	Year 1945	Increas Decrea		
	Tons	Tons	Tons	cents	
Brought Forward	42,483,827	44,418,654	1,934,827		
Forest Products:					
Logs, Posts, Poles, Piling Cordwood and Other Firewood Ties Pulpwood Lumber, Timber, Box, Crate and Cooperage Material Other Forest Products	988,519 553,648 56,505 4,842,085 4,461,841 254,088	677,158 580,163 61,290 4,104,087 4,090,454 252,371	311,361 26,515 4,785 737,998 371,387 1,717	45.98 4.57 7.81 17.98 9.08 .68	
Total	11,156,686	9,765,523	1,391,163	14.25	
Manufactures and Miscellaneous:					
Gasolene Petroleum Oils and Petroleum Products (except asphalt and gasolene) Sugar Iron, Pig and Bloom Rails and Fastenings Iron and Steel (bar, sheet, structural, pipe) Castings, Machinery and Boilers Cement Brick and Artificial Stone Lime and Plaster Sewer Pipe and Drain Tile Agricultural Implements and Vehicles other than autos Automobiles, Auto Trucks and Auto Parts Household Goods and Settlers Effects Furniture Beverages Fertilizers, All Kinds Newsprint Paper Other Paper Paper Board, Pulpboard and Wallboard (paper) Woodpulp Fish (fresh, frozen, cured, etc.) Canned Goods (all canned food products) Other Manufactures and Miscellaneous Merchandise (all L.C.L. Freight)	1,726,698 1,382,975 294,174 290,772 48,110 1,479,516 308,264 728,357 309,630 371,760 36,479 249,980 1,255,043 26,815 64,680 506,792 1,266,345 1,833,686 419,293 440,603 1,237,955 152,113 681,801 7,736,068 2,461,586	1,391,244 1,767,601 375,950 288,527 61,635 1,733,839 259,747 488,525 213,776 367,387 30,085 228,674 1,701,549 20,268 49,525 473,298 1,130,242 1,462,742 317,307 400,422 1,295,781 164,628 624,518 8,709,255 2,200,594	335,454 384,626 81,776 2,245 13,525 254,323 48,517 239,832 95,854 4,373 6,394 21,306 446,506 6,547 15,155 33,494 136,103 370,944 101,986 40,181 57,826 12,515 57,283 973,187 260,992	24 11 21.76 21.75 78 21.94 14.67 18.69 44.84 1.19 21.25 9.32 26.24 32.30 30.60 7.08 12.04 12.03 4.46 7.60 9.17 11.17 11.86	
Total	25,309,495	25,757,119	447,624	1.74	
Grand Total	78,950,008	79,941,296	991,288	1.24	



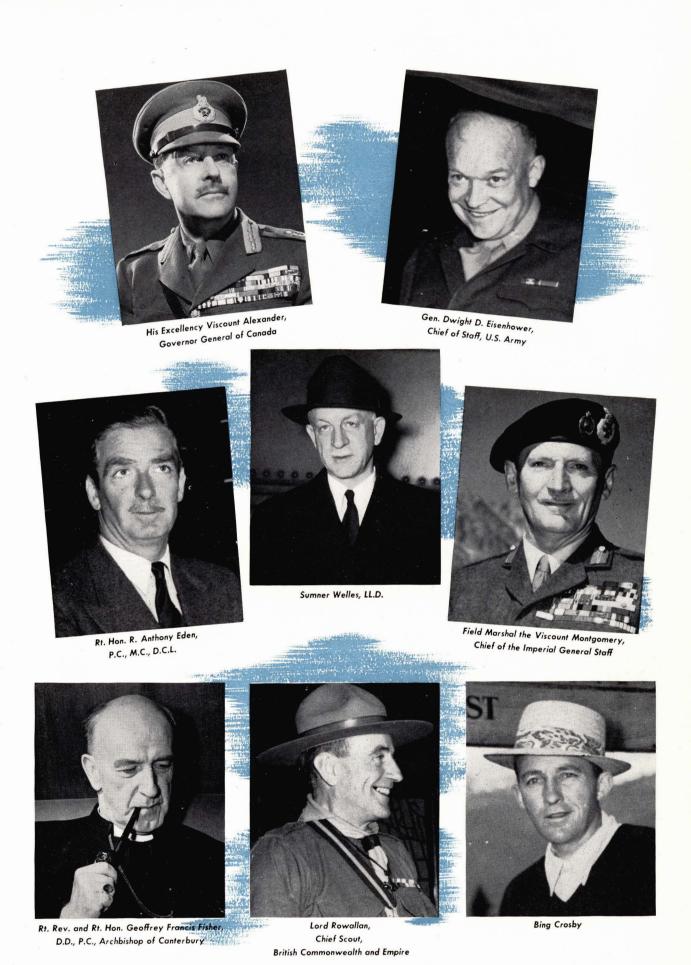
Architect's sketch of steamship now being constructed on the B.C. coast for service by the Canadian National between Vancouver, Prince Rupert and Alaska.

### WORLD-WIDE SERVICE

The Canadian National maintains offices in the British Isles, Australia, New Zealand, the Orient, France and the United States to render helpful service and to give information in connection with the traffic and other interests of the Company and of Canada generally. The principal offices of this kind are located at the following points:

United States	St. LouisMo.
BostonMass.	St. PaulMinn.
BuffaloN.Y.	SaginawMich.
BirminghamAla.	San FranciscoCal,
Cedar RapidsIowa	SeattleWash.
ChicagoIll	South BendInd.
CincinnatiOhio	ToledoOhio
ClevelandOhio	TulsaOkla.
*DetroitMich.	WashingtonD.C.
DuluthMinn.	GREAT BRITAIN
FlintMich.	BelfastNorthern Ireland
Grand Rapids Mich.	CardiffWales
Kansas CityMo.	GlasgowScotland
Los AngelesCal.	Liverpool
Mason CityIowa.	*LondonEngland
MemphisTenn.	Southampton
MilwaukeeWis.	France
MinneapolisMinn.	Paris France
New HavenConn.	ParisFrance
New OrleansLa.	Australia and New Zealand
*New YorkN.Y.	MelbourneAustralia
OmahaNeb.	SydneyAustralia
PhiladelphiaPa.	Wellington New Zealand
PittsburghPa.	THE ORIENT
PortlandMe.	
PortlandOre.	Hong Kong
St. AlbansVt.	CalcuttaIndia

<sup>\*</sup>Industrial Development representatives located at these points.



During 1946, the Canadian National Railways had the honor of serving many distinguished travellers, some of whom are shown above.

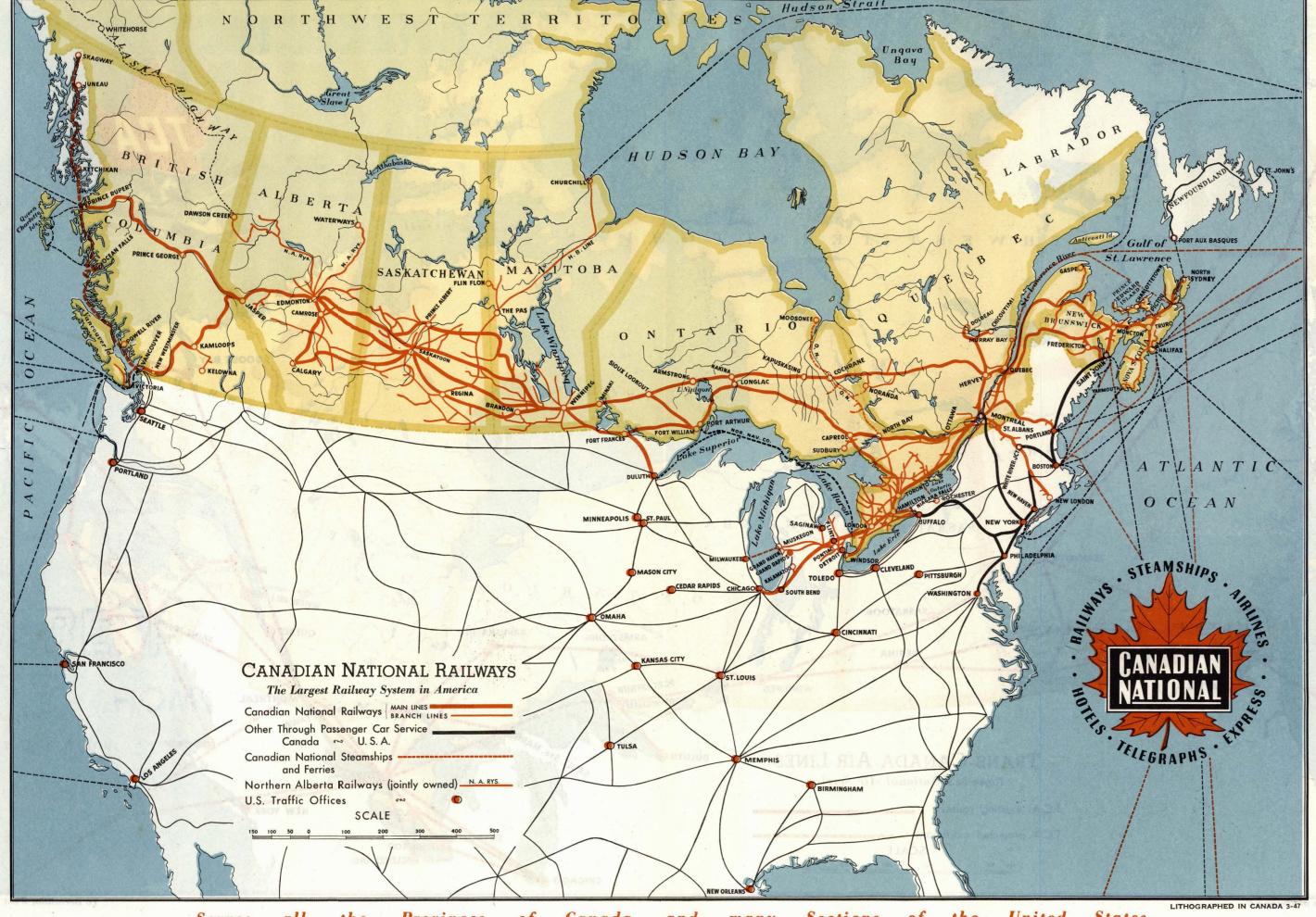
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### CANADIAN NATIONAL HOTELS

HALIFAX, N.S						
CHARLOTTETOWN, P.E.I The Charlottetown						
OTTAWA, ONT						
PORT ARTHUR, ONT Prince Arthur Hotel						
WINNIPEG, MAN						
BRANDON, MAN						
SASKATOON, SASK The Bessborough						
EDMONTON, ALTA						
VANCOUVER, B.C*Hotel Vancouver						
*Operated under the joint management of Canadian National Railways and the Canadian Pacific Railway Company.						

### SUMMER RESORT HOTELS

Jasper Park Lodge	٠	•	÷	÷	٠	٠	*	٠	٠	×	•	JASPER, ALT	Α.
Minaki Lodge		٠						•		٠	٠	MINAKI, ON	Т.
Pictou I odge												PICTOH N	S



Serves all the Provinces of Canada and many Sections of the United States

