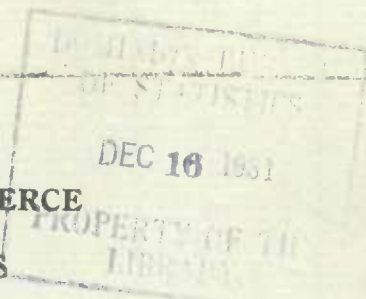


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CANADA
DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS
TRANSPORTATION BRANCH

OPERATING REVENUES EXPENSES & STATISTICS

of

RAILWAYS

With Annual Operating Revenues of \$500,000

For

SEPTEMBER

1931

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Published by Authority of the Hon. H. H. Stevens, M.P.,
Minister of Trade and Commerce

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DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS
TRANSPORTATION AND PUBLIC UTILITIES BRANCH
OTTAWA

Dominion Statistician, R.E. Coats, B.A., F.S.S., (Hon.), F.R.S.C.
Chief, Transportation and Public Utilities Branch, G.S. Wrong, B.Sc.

OPERATING REVENUES, EXPENSES & STATISTICS

STEAM RAILWAYS OF CANADA

WITH ANNUAL OPERATING REVENUES OF \$500,000

FOR THE MONTH OF SEPTEMBER, 1931.

The decrease in freight traffic of Canadian railways, as measured in ton miles, between September 1930 and 1931 was 42.2 per cent and although the traffic for September 1930 was relatively heavy compared with the traffic for August and October, the ton miles made in September this year were the smallest for any September recorded. Passenger traffic amounting to 152,242,265 passenger miles was also a new low record for September, being 24 per cent less than for September 1930 and 43 per cent less than the September average for the ten years, 1921 - 1930.

Gross revenues amounted to \$30,157,980 which was a decrease from last year's of \$14,140,491, or 31.9 per cent, total expenses were reduced from \$32,868,443 to \$25,122,357, or 23.6 per cent, and net operating revenues were reduced by \$6,394,406, or from \$11,430,028 to \$5,035,622. The average number of employees was 146,415, or 27,630 less than for September last year, and the total pay roll was reduced from \$22,517,426 to \$17,891,632. With reduced traffic the train loading was decreased by 119.9 revenue tons, or 19 per cent, and average earnings dropped from \$5.90 to \$5.35 per freight train mile.

For the nine months, January - September, gross revenue was \$265,643,777 and the operating income was \$12,056,188 which were comparable with \$338,983,374 and \$38,950,860, respectively, for 1930.

EASTERN LINES - CANADIAN NATIONAL RAILWAYS: Although gross revenues amounting to \$1,813,199 were less than in 1930 by \$362,842, operating expenses were reduced by \$512,394, thereby reducing the operating income debit from \$570,472 in 1930 to \$446,179.

For the nine months the gross revenue amounted to \$17,886,341, or \$3,999,188 less than for 1930, and the operating income showed a debit of \$6,403,078 as against \$4,316,669 in 1930.

CANADIAN NATIONAL RAILWAYS-(Canadian Lines exclusive of Eastern Lines): Gross revenues amounted to \$13,019,752, or \$4,946,684 less than in 1930, and operating expenses amounted to \$11,590,775, or \$2,773,436 less than in 1930. The operating income was reduced from \$3,475,825 in 1930 to \$1,306,848. The average number of employees was 80,891, a reduction of 15,607, and the pay roll was \$10,030,059 as against \$12,316,015 in 1930. Both of these include data for the Eastern Lines and the 1931 pay roll includes \$6,025 back pay.

The United States lines also showed greatly reduced gross revenues and operating incomes. For the system, exclusive of Eastern Lines, gross revenues amounted to \$15,159,905, or \$5,697,043 less than in 1930, and the operating income was \$929,952, or \$2,389,601 less than in 1930.

For January - September gross revenues for the system amounted to \$132,552,815 or \$36,433,353 less than in 1930 and the operating income showed a debit of \$372,837 as against a credit of \$14,343,508 last year. Including the Eastern Lines the operating loss was \$7,275,916 as against a credit in 1930 of \$10,026,839.

CANADIAN PACIFIC RAILWAY: Gross revenues amounted to \$12,179,167 or \$7,403,618 less than in September 1930. The reduction in operating expenses was only \$3,921,969 and consequently the net operating revenue was reduced from \$7,054,192 to \$3,572,543 and the operating income from \$6,750,672 to \$3,263,692. The pay roll was reduced from \$8,511,476 to \$6,494,814, or by \$2,016,661, and the average number of employees was reduced by 9,434, or to 55,107.

For January - September gross revenues amounted to \$105,779,638 in 1931 and \$135,395,230 in 1930 and the operating income was \$14,660,241, or \$8,223,758 less than in 1930.

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OPERATING REVENUES, EXPENSES & STATISTICS
STEAM RAILWAYS OF CANADA
WITH ANNUAL OPERATING REVENUES OF \$500,000
For the Month of September, 1931

	1931	1930
<u>OPERATING REVENUES</u>		
Freight	\$21,428,204.36	\$33,201,619.41
Passenger	4,102,839.22	5,453,113.98
Mail	600,869.83	622,277.77
Express	1,490,087.22	1,654,480.12
Other freight train	1,729.42	3,482.51
Other passenger train	585,143.57	783,168.70
Water line	153,398.61	265,657.15
All other	1,795,708.23	2,314,672.70
Total railway operating revenues	30,157,980.46	44,298,472.34
<u>OPERATING EXPENSES</u>		
Maintenance of way and structures	\$5,436,012.30	\$7,331,692.79
Maintenance of equipment	4,652,678.61	6,671,828.71
Traffic	1,303,550.69	1,588,760.52
Transportation	12,400,575.54	15,928,470.30
Miscellaneous operations	373,445.25	521,750.95
General	1,054,131.77	1,077,397.11
Trans. for investment	Cr. 98,036.45	Cr. 251,457.03
Total railway operating expenses	25,122,357.71	32,868,443.35
<u>OPERATING INCOME</u>		
Net operating revenue	\$5,035,622.75	\$11,430,028.99
Railway tax accruals	787,320.36	763,866.49
Uncollectable revenues	2,154.90	808.60
Hire of equipment	Dr. 21,775.79	Dr. 109,492.58
Joint facilities rents	Dr. 75,247.62	Dr. 57,899.02
Operating income	4,149,124.08	10,497,962.30
<u>OPERATING STATISTICS</u>		
Average miles of road operated	42,021.70	41,612.79
No. of tons carried (Rev. Fr.)	7,032,265	10,991,271
No. of tons carried one mile " "	2,057,308,656	3,561,968,874
No. of tons carried one mile (All Fr.)	2,282,162,299	3,881,609,937
Gross ton miles, excl. of locomotive & tender	5,418,350,658	8,524,601,772
No. of revenue passengers carried	1,844,175	2,393,145
No. of rev. passengers carried one mile	152,242,265	200,424,063
# Freight train miles	4,007,121	5,624,300
# Passenger train miles	3,658,644	4,393,986
Total train miles (Rev. & Non Rev.)	7,807,581	10,301,594
Freight car miles-loaded	92,806,024	139,170,315
Freight car miles-empty	48,500,065	78,514,677
Passenger train car miles	27,221,850	32,733,353
Total amount of pay roll	\$17,891,632.54	\$22,517,426.23
Number of employees	146,415	174,045
<u>DAILY AVERAGES PER MILE OF ROAD OPERATED</u>		
Operating revenue	\$23.92	\$35.48
Operating expenses	\$19.93	\$26.33
No. of tons moved one mile (Rev. Fr.)	1,632	2,853
No. of tons moved one mile (All Fr.)	1,810	3,109
No. of rev. passengers carried one mile	121	161
<u># AVERAGES PER FREIGHT TRAIN MILE</u>		
Freight revenue	\$5.35	\$5.90
No. of tons of freight (Rev. Fr.)	513.4	633.3
No. of tons of freight (All Fr.)	569.5	690.1
Gross ton miles	1352.2	1515.7
Loaded freight cars	23.2	24.7
Empty freight cars	12.1	14.0
<u># AVERAGES PER PASSENGER TRAIN MILE</u>		
Passenger train revenues	\$1.85	\$1.94
Passengers carried	41.6	45.6
Passenger cars	7.5	7.4
Average operating expenses per train mile	\$3.22	\$3.19
Average length of haul (Rev. Fr.) Miles	292.6	324.1
Average passenger journey Miles	82.6	83.7
Average tons per loaded freight car mile	24.6	27.9
Average freight receipt per revenue ton mile	1.0424	.9324
Average passenger receipt per passenger per mile	2.6954	2.7214
Ratio of pay roll to operating revenues	59.3%	50.8%
Ratio of operating expenses to revenues	83.30%	74.20%

- Contains a proportion of mixed train miles.

OPERATING REVENUES, EXPENSES & STATISTICS

EASTERN LINES

CANADIAN NATIONAL RAILWAYS

For the Month of September, 1931

	1931	1930
<u>OPERATING REVENUES</u>		
Freight xx	\$1,136,065.00	\$1,369,531.00
Passenger	351,085.00	395,141.00
Mail	66,529.00	61,689.00
Express	119,500.00	173,000.00
Other freight train		
Other passenger train	39,299.16	58,469.15
Water line		
All other	100,720.84	118,160.85
Total railway operating revenues	1,813,199.00	2,176,041.00
<u>OPERATING EXPENSES</u>		
Maintenance of way and structures	\$517,025.18	\$791,934.74
Maintenance of equipment	417,413.35	441,992.41
Traffic	56,272.30	70,526.10
Transportation	1,031,740.62	1,224,230.03
Miscellaneous operations	25,764.88	34,579.04
General	134,074.96	135,768.82
Trans. for investment	Cr. 2,094.52	Cr. 6,490.28
Total railway operating expenses	2,180,196.77	2,692,590.86
<u>OPERATING INCOME</u>		
Net operating revenue	Dr. \$366,997.77	Dr. \$516,549.86
Railway tax accruals	24,845.59	25,474.96
Uncollectable revenues	103.26	356.91
Hire of equipment	Dr. 54,872.50	Dr. 31,603.65
Joint facilities rents	Cr. 639.30	Cr. 3,512.80
Operating income	Dr. 446,179.82	Dr. 570,472.58
<u>OPERATING STATISTICS</u>		
Average miles of road operated	3,342.39	3,332.54
No. of tons carried (Rev.Fr.)	377,546	578,453
No. of tons carried one mile " "	89,377.967	115,403.857
No. of tons carried one mile (All Fr.)	98,707.052	128,396.788
Gross ton miles, excl. of locomotive & tender	241,779,186	307,716,648
No. of revenue passengers carried	173,782	231,686
No. of revenue passengers carried one mile	13,576,068	16,333,312
# Freight train miles	254,242	320,541
# Passenger train miles	304,120	333,600
Total train miles (Rev. & Non Rev.)	568,355	676,101
Freight car miles- loaded	4,838,262	6,165,830
Freight car miles- empty	1,531,069	2,018,707
Passenger train car miles	2,060,220	2,327,409
Total amount of pay roll	Included in Canadian Lines	
Number of employees	"	"
<u>DAILY AVERAGES PER MILE OF ROAD OPERATED</u>		
Operating revenue	\$18.08	\$21.77
Operating expenses	\$21.74	\$26.93
No. of tons moved one mile (Rev.Fr.)	891	1,154
No. of tons moved one mile (All Fr.)	984	1,284
No. of rev. passengers carried one mile	135	163
<u>#AVERAGES PER FREIGHT TRAIN MILE</u>		
Freight revenue	\$4.47	\$4.27
No. of tons of freight (Rev.Fr.)	351.5	360.0
No. of tons of freight (All Fr.)	388.2	400.6
Gross ton miles	951.0	960.0
Loaded freight cars	19.0	19.2
Empty freight cars	6.0	6.3
<u>#AVERAGES PER PASSENGER TRAIN MILE</u>		
Passenger train revenues	\$1.90	\$2.06
Passengers carried	44.6	49.0
Passenger cars	6.8	7.0
Average operating expenses per train mile	\$3.84	\$3.98
Average length of haul (Rev.Fr.) Miles	236.7	199.5
Average passenger journey Miles	78.1	70.5
Average tons per loaded freight car mile	20.4	20.8
Average freight receipt per revenue ton mile	1.271¢	1.187¢
Average passenger receipt per passenger per mile	2.536¢	2.419¢
Ratio of operating expenses to revenues	120.24%	123.74%
xx - Including account Maritime Freight Rates Act	\$149,000.00	\$160,000.00
# - Contains a proportion of mixed train miles.		

4

OPERATING REVENUES, EXPENSES & STATISTICS

CANADIAN NATIONAL RAILWAYS

For the Month of September, 1931.

	1931	1930
<u>OPERATING REVENUES</u>		
Freight	\$9,529,100.00	\$13,783,906.90
Passenger	1,527,798.00	1,964,567.03
Mail	196,313.38	199,666.27
Express	792,833.23	822,288.02
Other freight train	473.86	182.50
Other passenger train	213,142.62	289,906.65
Water line
All other	760,090.91	905,918.99
Total railway operating revenues	13,019,752.00	17,966,436.36
<u>OPERATING EXPENSES</u>		
Maintenance of way and structures	\$2,694,406.55	\$3,451,563.20
Maintenance of equipment	2,460,042.85	2,876,980.96
Traffic	393,863.78	521,596.81
Transportation	5,522,874.89	7,034,102.34
Miscellaneous	117,636.81	179,829.16
General	448,586.64	469,338.51
Trans. for investment	Cr. 46,636.00	Cr. 169,199.41
Total railway operating expenses	11,590,775.52	14,364,211.57
<u>OPERATING INCOME</u>		
Net operating revenue	\$1,428,976.48	\$3,602,224.79
Railway tax accruals	308,735.86	285,793.14
Uncollectable revenues	1,904.66	434.89
Hire of equipment	Cr. 191,209.20	Cr. 144,127.62
Joint facilities rents	Dr. 2,696.37	Cr. 15,701.19
Operating income	1,306,848.79	3,475,825.57
<u>OPERATING STATISTICS</u>		
Average miles of road operated	18,641.34	18,602.76
No. of tons carried (Rev. Fr.)	2,567,026	3,976,603
No. of tons carried one mile " "	951,975,902	1,558,562,183
No. of tons carried one mile (All Fr.)	1,042,792,752	1,702,520,365
Gross ton miles, excl. of locomotive & tender	2,413,681,237	3,686,104,869
No. of revenue passengers carried	717,041	956,257
No. of revenue passengers carried one mile	59,105,458	77,008,281
# Freight train miles	1,658,171	2,292,378
# Passenger train miles	1,449,509	1,753,923
Total train miles (Rev. & Non Rev.)	3,196,904	4,211,899
Freight car miles - loaded	40,902,378	60,639,920
Freight car miles - empty	22,349,348	34,013,837
Passenger train car miles	10,467,087	12,873,326
Total amount of pay roll (Including East. Lines)	\$10,030,059	\$12,316,015
Number of employees " " "	80,891	96,498
<u>DAILY AVERAGES PER MILE OF ROAD OPERATED</u>		
Operating revenue	\$23.28	\$32.19
Operating expenses	\$20.73	\$25.74
No. of tons moved one mile (Rev. Fr.)	1,702	2,793
No. of tons moved one mile (All Fr.)	1,865	3,051
No. of rev. passengers carried one mile	106	138
<u># AVERAGES PER FREIGHT TRAIN MILE</u>		
Freight revenue	\$5.75	\$6.01
No. of tons of freight (Rev. Fr.)	574.1	679.9
No. of tons of freight (All Fr.)	628.9	742.7
Gross ton miles	1455.6	1608.0
Loaded freight cars	24.7	26.5
Empty freight cars	13.5	14.8
<u># AVERAGES PER PASSENGER TRAIN MILE</u>		
Passenger train revenues	\$1.88	\$1.87
Passengers carried	40.8	43.9
Passenger cars	7.2	7.3
Average operating expenses per train mile	\$3.63	\$3.41
Average length of haul (Rev. Fr.) Miles	370.8	391.9
Average passenger journey Miles	82.4	80.5
Average tons per loaded freight car mile	25.5	28.1
Average freight receipt per revenue ton mile	1.001¢	.884¢
Average passenger receipt per passenger per mile	2.585¢	2.551¢
x Ratio of pay roll to operating revenues	67.6%	61.1%
Ratio of operating expenses to revenues	89.02%	79.95%
x - Revenue of Eastern Lines included to determine ratio.		
# - Contains a proportion of mixed train miles.		

OPERATING REVENUES, EXPENSES & STATISTICS

CANADIAN PACIFIC RAILWAY

For the Month of September, 1931

	1931	1930
<u>OPERATING REVENUES</u>		
Freight	\$3,501,398.86	\$14,744,386.58
Passenger	1,676,808.78	2,315,391.20
Mail	287,785.23	306,252.69
Express	444,897.06	459,609.01
Other Freight Train	1,255.56	3,300.01
Other passenger Train	316,659.98	410,744.44
Water line	146,520.70	230,966.60
All other	803,841.18	1,112,135.23
Total railway operating revenues	12,179,167.35	19,582,785.76
<u>OPERATING EXPENSES</u>		
Maintenance of way and structures	\$1,599,598.92	\$2,288,316.01
Maintenance of equipment	1,189,519.59	2,616,742.09
Traffic	763,839.48	904,538.70
Transportation	4,625,723.61	6,214,847.78
Miscellaneous operations	173,581.33	249,595.41
General	299,712.85	304,704.18
Trans. for investment	Cr. 45,352.17	Cr. 50,151.20
Total railway operating expenses	8,606,623.61	12,528,592.97
<u>OPERATING INCOME</u>		
Net operating revenue	\$3,572,543.74	\$7,054,192.79
Railway tax accruals	340,100.15	333,452.42
Uncollectable revenues		
Hire of equipment	Cr. 38,581.92	Cr. 32,811.30
Joint facilities rents	Dr. 7,333.37	Dr. 2,879.44
Operating income	3,263,692.14	6,750,672.23
<u>OPERATING STATISTICS</u>		
Average miles of road operated	15,721.3	15,420.5
No. of tons carried (Rev. Fr.)	2,289,722	3,920,095
No. of tons carried one mile " "	835,241,022	1,642,304,769
No. of tons carried one mile (All Fr.)	954,070,054	1,794,600,377
Gross ton miles, excl. of locomotive & tender	2,166,262,141	3,819,628,063
No. of revenue passengers carried	643,319	814,451
No. of revenue passengers carried one mile	60,040,145	82,121,570
# Freight train miles	1,630,519	2,484,128
# Passenger train miles	1,495,148	1,825,070
Total train miles (Rev. & Non Rev.)	3,163,942	4,369,467
Freight car miles-loaded	36,487,066	59,399,910
Freight car miles-empty	17,566,306	34,377,207
Passenger train car miles	11,262,127	13,613,755
Total amount of pay roll	\$6,494,814.33	\$8,511,476.13
Number of employees	55,107	64,541
<u>DAILY AVERAGES PER MILE OF ROAD OPERATED</u>		
Operating revenue	\$25.82	\$42.33
Operating expenses	\$18.25	\$27.08
No. of tons moved one mile (Rev. Fr.)	1,771	3,550
No. of tons moved one mile (All Fr.)	2,023	3,879
No. of rev. passengers carried one mile	127	178
<u># AVERAGES PER FREIGHT TRAIN MILE</u>		
Freight revenue	\$5.21	\$5.94
No. of tons of freight (Rev. Fr.)	512.3	661.1
No. of tons of freight (All Fr.)	585.1	722.4
Gross ton miles	1328.6	1537.6
Loaded freight cars	22.4	23.9
Empty freight cars	10.8	13.8
<u># AVERAGES PER PASSENGER TRAIN MILE</u>		
Passenger train revenues	\$1.82	\$1.91
Passengers carried	40.2	45.0
Passenger cars	7.5	7.5
Average operating expenses per train mile	\$2.72	\$2.87
Average length of haul (Rev. Fr.) Miles	364.8	418.9
Average passenger journey Miles	93.3	100.8
Average tons per loaded freight car mile	26.1	30.2
Average freight receipt per revenue ton mile	1.018¢	.898¢
Average passenger receipt per passenger per mile	2.793¢	2.819¢
Ratio of pay roll to operating revenues	53.3%	43.5%
Ratio of operating expenses to revenues	70.67%	63.98%

- Contains a proportion of mixed train miles.

CANADIAN NATIONAL SYSTEM
(Steam Lines in Canada & United States)

For the Month of September, 1931

OPERATING REVENUES

	1931	1930
Canadian Lines	\$13,019,752.00	\$17,966,436.36
Duluth, Winnipeg and Pacific	80,047.00	135,207.00
Grand Trunk Western	1,432,118.00	1,970,906.00
New England Lines	120,101.00	162,388.64
Central Vermont Railway, Inc.	507,887.00	622,010.00
Total	<u>15,159,905.00</u>	<u>20,856,948.00</u>

OPERATING EXPENSES

Canadian Lines	\$11,590,775.52	\$14,364,211.57
Duluth, Winnipeg and Pacific	107,349.75	134,154.82
Grand Trunk Western	1,514,587.19	1,790,169.20
New England Lines	139,694.50	194,156.38
Central Vermont Railway, Inc.	420,416.57	473,502.70
Total	<u>13,772,823.53</u>	<u>16,956,194.67</u>

NET OPERATING REVENUES

Canadian Lines	\$1,428,976.48	\$3,602,224.79
Duluth, Winnipeg and Pacific	Dr. 27,302.75	1,052.18
Grand Trunk Western	Dr. 82,469.19	180,736.80
New England Lines	Dr. 19,593.50	Dr. 31,767.74
Central Vermont Railway, Inc.	87,470.43	148,507.30
Total	<u>1,337,081.47</u>	<u>3,900,753.33</u>

OPERATING INCOME

Canadian Lines	\$1,306,848.79	\$3,475,825.57
Duluth, Winnipeg and Pacific	Dr. 44,264.07	5,319.30
Grand Trunk Western	Dr. 312,345.65	Dr. 215,627.97
New England Lines	Dr. 88,504.37	Dr. 92,855.98
Central Vermont Railway, Inc.	68,217.74	146,892.39
Total	<u>929,952.44</u>	<u>3,319,553.31</u>

S U M M A R Y

For Nine Months ended September 30th

ALL RAILWAYS

Operating Revenues	\$265,643,777.56	\$338,983,374.79
Operating Expenses	245,327,624.91	291,058,436.24
Net Operating Revenue	20,316,152.65	47,924,938.55
Operating Income	12,056,188.01	38,950,860.40

CANADIAN NATIONAL RAILWAYS

Operating revenues - Canadian Lines	\$109,515,638.55	\$139,492,494.69
# United States Lines	23,037,176.45	29,493,673.56
Total	<u>132,552,815.00</u>	<u>168,986,168.25</u>
Operating expenses - Canadian Lines	107,488,792.03	123,949,009.60
# United States Lines	21,493,252.55	25,192,297.15
Total	<u>128,987,044.58</u>	<u>149,141,306.75</u>
Net operating revenue - Canadian Lines	2,026,846.52	15,543,485.09
# United States Lines	1,538,923.90	4,301,376.41
Total	<u>3,565,770.42</u>	<u>19,844,861.50</u>
Operating Income - Canadian Lines	741,160.13	13,664,772.88
# United States Lines	Dr. 1,613,997.51	678,735.57
Total Dr.	<u>872,837.38</u>	<u>14,343,508.45</u>

CANADIAN NATIONAL RAILWAYS - EASTERN LINES

Operating revenues	\$17,886,341.00	\$21,885,529.00
Operating expenses	23,521,748.66	25,601,989.49
Net operating revenues	Dr. 5,635,407.66	Dr. 3,716,460.49
Operating income	Dr. 6,403,078.65	Dr. 4,316,669.12

CANADIAN PACIFIC RAILWAY

Operating revenues	\$105,779,638.59	\$135,395,230.78
Operating expenses	88,233,127.73	110,069,512.49
Net operating revenue	17,546,510.86	25,325,718.29
Operating income	14,660,241.79	22,833,999.04

- Including Central Vermont Railway.



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