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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

MAY

1928

+ + +

Published by authority of the Hon. James Malcolm, M. P.,
Minister of Trade and Commerce.

+ + +

OTTAWA

1928

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RESEARCH AND ANALYSIS

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

Dominion Statistician, R.H. Coats, B.A., F.S.S., (Hon.) F.R.S.C.
Chief, Transportation 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 MAY, 1928

The Canadian railways carried more freight and made more ton miles during May, 1928, than during any previous May, exceeding the ton miles made in May, 1926, by 16 per cent and in May, 1927, by 24 per cent. The heavy movement of grain, both to lake head and to the Pacific ports, was the chief factor in this large increase and its effect is also shown in the increase in the average haul which was 291 miles, as against 255 miles in May, 1927, and in the average receipt per ton mile of 1.056 cents, as against 1.152 cents in May, 1927, a decrease of 8 per cent.

Gross revenues were also the largest earned in May, exceeding those of May, 1927, by \$3,995,708, or 10.1 per cent and net revenues were larger by \$1,261,707.

The number of employees increased by 7,039, or 3.9 per cent and the pay roll was larger by \$1,830,805, or 8.3 per cent.

Freight train loading was heavier by 57.1 revenue tons and revenues per train mile increased by 14 cents.

Passenger traffic decreased by 3.6 per cent and passenger train revenues per train mile decreased by 13 cents.

For the five months, January - May, gross revenues were larger than in 1927 by \$13,167,895 and net revenues increased by \$4,746,780.

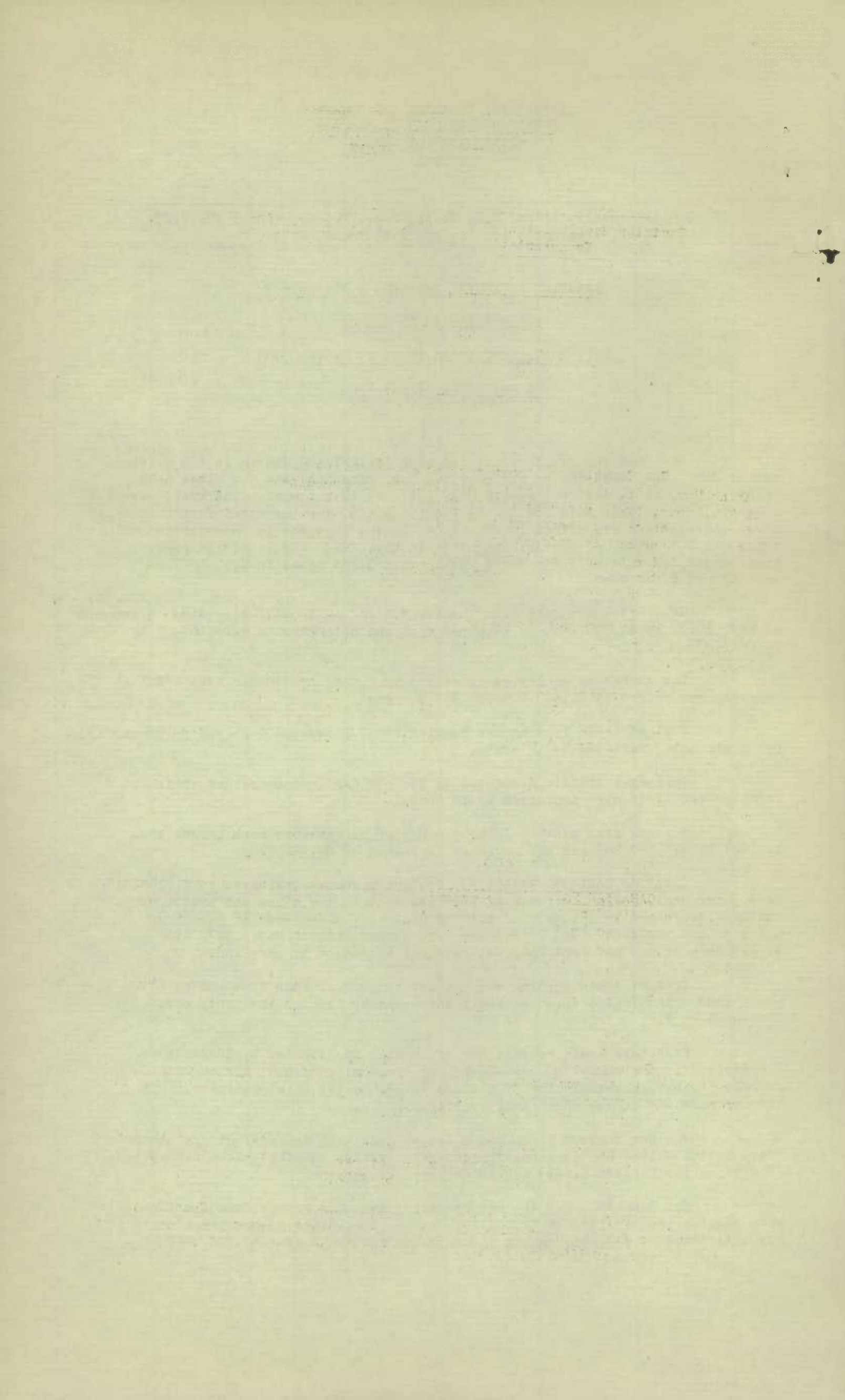
CANADIAN NATIONAL RAILWAYS: Freight revenues increased by \$1,145,518, or 9.3 per cent, for an increase of 18.7 per cent in ton miles and passenger revenues decreased by \$26,343, or 1.1 per cent, for a decrease in passenger miles of 6.4 per cent. Total revenues were larger than in May, 1927, by \$1,168,846, or 6.9 per cent, and net revenues increased by \$403,262.

Freight train loading was heavier by 56.7 revenue tons and by 62.2 gross tons. The loaded cars per train increased by 1.7 and the empty cars decreased by 1.2.

Passenger train revenue per train mile was lighter by 20 cents for a reduction in the number of passengers per train mile of 6.9, although the average journey increased from 83.5 miles to 93.6 miles which indicates that the decrease was in the short haul traffic.

The New England lines had a larger operating deficit but the other lines in the United States earned larger net revenues and the system net revenue (excluding the Eastern Lines) was larger by \$322,796.

For January - May the net operating revenues of the Canadian lines were greater than in 1927 by \$2,807,301, but on the United States lines there was a decrease of \$99,205, making the increase for the system \$2,708,096.



CANADIAN NATIONAL RAILWAYS, EASTERN LINES: Gross revenues were larger than for May, 1927, by \$92,465, or 4.5 per cent, but operating expenses increased by \$252,096, or 9.7 per cent, which increased the operating deficit by \$159,631.

Freight traffic was heavier by 13.1 per cent and the reduction in the average receipt per ton mile was only .056 cent, or slightly over 5 per cent. Evidently the increase was in export freight not affected by the rate reduction or in high class freight.

For the five months gross revenues were less than in 1927 by \$348,693 and the operating deficit was increased by \$997,447.

CANADIAN PACIFIC RAILWAY: Freight traffic showed the remarkable increase over that of May last year of 38.1 per cent and traffic of May, 1927, was heavier than that of any previous May. Freight revenues increased by \$2,607,523, or 24.8 per cent and total revenues were larger by \$2,694,542, or 17.6 per cent. Operating expenses were heavier by \$1,588,953 and the net operating revenue increased by \$1,105,588.

There was an average of 80.8 more revenue tons of freight on each freight train and the earnings were increased by 31 cents per train mile.

For the five months, gross revenues were larger than in 1927 by \$7,008,601, net operating revenue increased by \$3,154,166 and the operating income increased by \$2,826,706.

THE
OFFICE OF THE
SECRETARY OF THE
NAVY
WASHINGTON, D. C.
JANUARY 1, 1900

TO THE
HONORABLE
MEMBERS OF THE
NAVY

DEAR SIR:

I have the honor to acknowledge the receipt of your letter of the 29th inst. and in reply to inform you that the same has been forwarded to the proper authorities for their consideration.

I am, Sir, very respectfully,
Your obedient servant,
J. D. LONG

OPERATING REVENUES, EXPENSES & STATISTICS

Subject to Revision

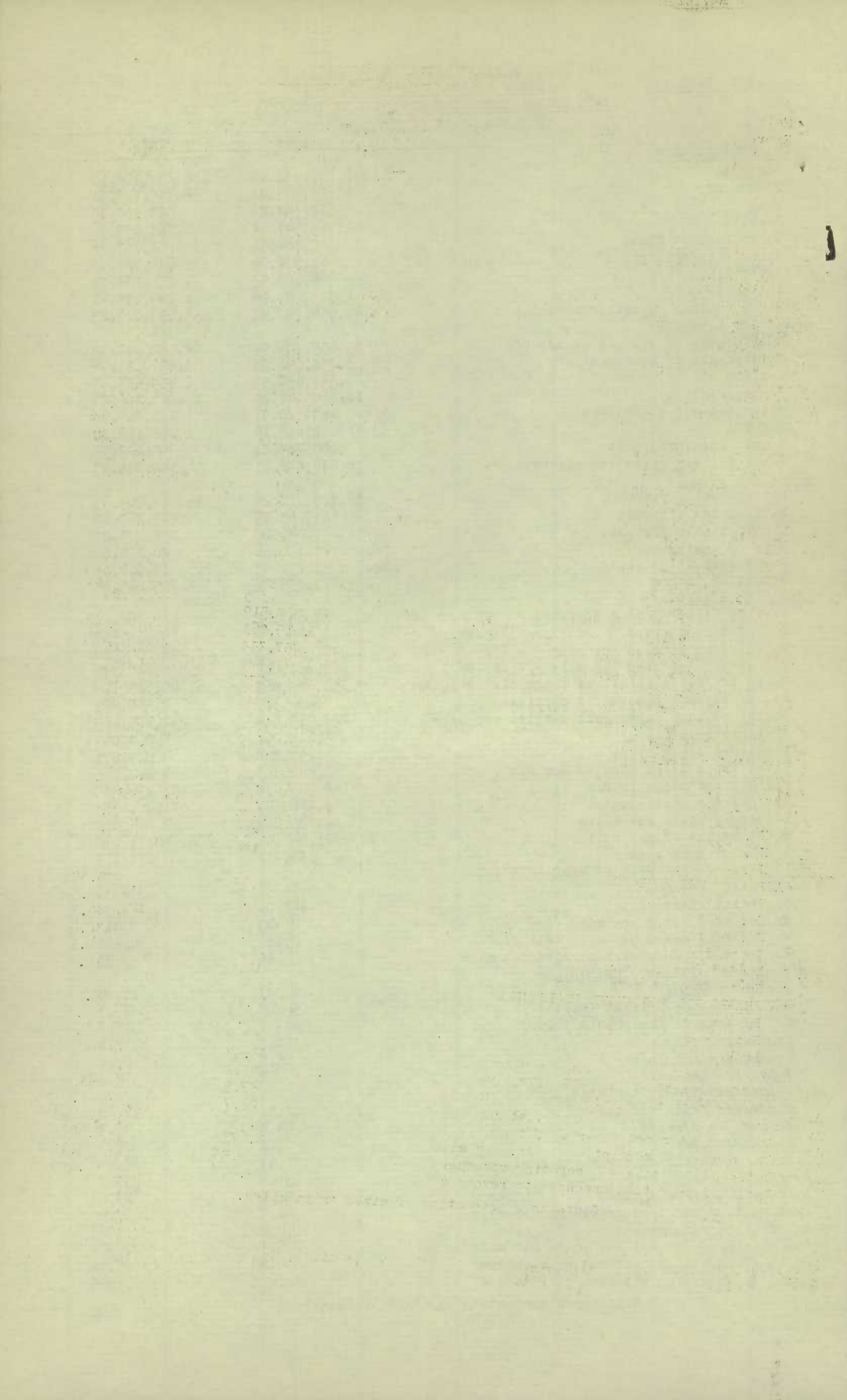
STEAM RAILWAYS OF CANADA

WITH ANNUAL OPERATING REVENUES OF \$500,000

For the Month of May, 1928

	1928	1927
<u>OPERATING REVENUES</u>		
Freight	\$32,175,432.44	\$28,296,128.55
Passenger	6,121,084.98	6,195,117.91
Mail	617,348.86	598,168.10
Express	1,766,547.18	1,868,279.96
Other freight train	2,124.52	3,837.76
Other passenger train	661,977.06	646,083.33
Water line	339,120.53	282,278.01
All other	1,971,151.90	1,769,185.61
Total railway operating revenues	43,654,787.47	39,659,079.23
<u>OPERATING EXPENSES</u>		
Maintenance of way and structures	\$9,655,704.90	\$8,592,847.33
Maintenance of equipment	8,238,096.29	7,627,185.46
Traffic	1,441,658.57	1,459,684.43
Transportation	16,118,048.19	15,027,356.97
Miscellaneous operations	450,720.91	416,714.92
General	1,072,616.16	1,068,128.89
Trans. for investment	100,768.81	49,842.52
Total railway operating expenses	36,876,076.21	34,142,075.48
<u>OPERATING INCOME</u>		
Net operating revenue	\$6,778,711.26	\$5,517,003.75
Railway tax accruals	683,167.35	749,860.18
Uncollectable revenues	1,046.10	3,273.03
Hire of equipment	Dr. 173,430.66	Dr. 40,428.82
Joint facilities rents	Dr. 93,131.87	Dr. 17,912.68
Operating income	5,827,935.28	4,705,529.04
<u>OPERATING STATISTICS</u>		
Average miles of road operated	39,647.42	39,368.90
No. of tons carried (Rev.Fr.)	10,465,565	9,632,717
No. of tons carried one mile " "	3,046,564,458	2,456,200,380
No. of tons carried one mile (All Fr.)	3,465,267,084	2,930,782,774
Gross ton miles, excl. of locomotive & tender	7,750,699,869	6,740,523,199
No. of revenue passengers carried	2,604,325	2,840,429
No. of revenue passengers carried one mile	228,993,519	237,609,104
# Freight train miles	5,615,061	5,059,044
# Passenger train miles	4,257,858	4,079,071
Total train miles (Rev. & Non Rev.)	10,442,743	9,647,145
Freight car miles-loaded	140,308,070	122,116,482
Freight car miles-empty	68,336,947	63,346,248
Passenger train car miles	30,829,272	29,624,250
Total amount of pay roll	\$23,921,145.01	\$22,090,339.70
Number of employees	185,752	178,713
<u>DAILY AVERAGES PER MILE OF ROAD OPERATED</u>		
Operating revenue	\$35.52	\$32.50
Operating expenses	\$30.00	\$27.98
No. of tons moved one mile (Rev.Fr.)	2,479	2,013
No. of tons moved one mile (All Fr.)	2,819	2,401
No. of rev. passengers carried one mile	186	195
<u>#AVERAGES PER FREIGHT TRAIN MILE</u>		
Freight revenue	\$5.73	\$5.59
No. of tons of freight (Rev.Fr.)	542.6	485.5
No. of tons of freight (All Fr.)	617.1	579.3
Gross ton miles	1380.3	1332.4
Loaded freight cars	25.0	24.1
Empty freight cars	12.2	12.5
<u>#AVERAGES PER PASSENGER TRAIN MILE</u>		
Passenger train revenues	\$2.15	\$2.28
Passengers carried	53.8	58.3
Passenger cars	7.2	7.3
Average operating expenses per train mile	\$3.53	\$3.54
Average length of haul (Rev.Fr.) Miles	291.1	255.0
Average passenger journey Miles	87.9	83.7
Average tons per loaded freight car mile	24.7	24.0
Av. freight receipt per rev. ton mile	1.056¢	1.152¢
Av. passenger receipt per pass. per mile	2.673¢	2.607¢
Ratio of pay roll to operating revenues	54.8%	55.7%
Ratio of operating expenses to revenues	84.47%	86.09%

Contains a proportion of mixed train miles.



OPERATING REVENUES, EXPENSES & STATISTICS

EASTERN LINES

CANADIAN NATIONAL RAILWAYS

For the Month of May, 1928

	1928	1927
OPERATING REVENUES		
Freight	\$1,411,614.00	\$1,315,563.00
Passenger	423,863.00	407,514.00
Mail	65,685.00	64,096.43
Express	140,525.66	159,446.62
Other freight train	--	--
Other passenger train	38,031.98	36,080.89
Water line	--	--
All other	56,465.36	61,018.56
Total railway operating revenues	2,136,185.00	2,043,719.50
OPERATING EXPENSES		
Maintenance of way and structures	\$953,756.92	\$772,463.93
Maintenance of equipment	514,007.35	513,744.30
Traffic	63,480.59	66,204.37
Transportation	1,187,993.69	1,116,832.61
Miscellaneous operations	25,892.29	26,154.53
General	108,273.04	105,368.39
Trans. for investment	Cr. 509.02	Dr. 29.76
Total railway operating expenses	2,852,894.86	2,600,797.89
OPERATING INCOME		
Net operating revenue	Dr. \$716,709.86	Dr. \$557,078.39
Railway tax accruals	21,541.11	21,929.40
Uncollectable revenues	198.44	260.87
Hire of equipment	Dr. 30,896.93	Cr. 438.67
Joint facilities rents	Dr. 2,715.62	Dr. 2,184.87
Operating income	Dr. 772,061.96	Dr. 581,014.86
OPERATING STATISTICS		
Average miles of road operated	\$3,108.04	\$3,107.99
No. of tons carried (Rev.Fr.)	469,836	487,411
No. of tons carried one mile " "	136,392,083	120,603,603
No. of tons carried one mile (All Fr.)	150,684,454	140,066,732
Gross ton miles, excl. of locomotive & tender	340,188,412	317,388,278
No. of revenue passengers carried	311,913	316,980
No. of revenue pass. carried one mile	20,181,090	19,280,308
# Freight train miles	355,043	321,532
# Passenger train miles	325,446	313,222
Total train miles (Rev. & Non Rev.)	707,624	662,754
Freight car miles-loaded	6,918,085	6,414,760
Freight car miles-empty	2,017,392	2,028,154
Passenger train car miles	2,191,532	2,103,669
Total amount of pay roll	Included in Canadian Lines	
Number of employees	" " "	" "
DAILY AVERAGES PER MILE OF ROAD OPERATED		
Operating revenue	\$22.17	\$21.21
Operating expenses	\$29.61	\$26.99
No. of tons moved one mile (Rev.Fr.)	1,416	1,252
No. of tons moved one mile (All Fr.)	1,564	1,454
No. of rev. passengers carried one mile	209	200
#AVERAGES PER FREIGHT TRAIN MILE		
Freight revenue	\$3.98	\$4.09
No. of tons of freight (Rev.Fr.)	384.2	375.1
No. of tons of freight (All Fr.)	424.4	435.6
Gross ton miles	958.2	987.1
Loaded freight cars	19.5	20.0
Empty freight cars	5.7	6.3
#AVERAGES PER PASSENGER TRAIN MILE		
Passenger train revenues	\$2.05	\$2.13
Passengers carried	62.0	61.6
Passenger cars	6.7	6.7
Average operating expenses per train mile	\$4.03	\$3.92
Average length of haul (Rev.Fr.) Miles	290.3	247.4
Average passenger journey Miles	64.7	60.8
Average tons per loaded freight car mile	21.8	21.8
Average freight receipt per rev. ton mile	1.035¢	1.091¢
Av. passenger receipt per passenger per mile	2.100¢	2.114¢
Ratio of pay roll to operating revenues	Included in Canadian Lines	
Ratio of operating expenses to revenues	133.55%	127.26%
# Contains a proportion of mixed train miles.		

OPERATING REVENUES, EXPENSES & STATISTICS

CANADIAN NATIONAL RAILWAYS

For the Month of May, 1928

	1928	1927
<u>OPERATING REVENUES</u>		
Freight	\$13,455,250.93	\$12,309,732.41
Passenger	2,288,667.59	2,315,010.59
Mail	203,764.80	193,218.13
Express	958,728.31	1,059,224.45
Other freight train	--	--
Other passenger train	221,669.94	210,600.48
Water line	--	--
All other	873,309.23	744,758.72
Total railway operating revenues	18,001,390.80	16,832,544.78
<u>OPERATING EXPENSES</u>		
Maintenance of way and structures	\$3,856,706.98	\$3,696,933.36
Maintenance of equipment	3,184,614.43	3,145,261.06
Traffic	497,126.90	473,794.09
Transportation	7,185,057.54	6,631,533.67
Miscellaneous operations	155,765.17	136,016.11
General	444,727.11	435,579.98
Trans. for investment	Cr. 87,226.15	Cr. 47,929.51
Total railway operating expenses	15,236,771.98	14,471,188.76
<u>OPERATING INCOME</u>		
Net operating revenue	\$2,764,618.82	\$2,361,356.02
Railway tax accruals	211,008.85	278,829.76
Uncollectable Revenues	659.64	3,009.32
Hire of equipment	Dr. 9,391.08	Cr. 87,216.23
Joint facilities rents	Cr. 3,752.00	Cr. 20,434.09
Operating income	2,547,311.25	2,187,167.26
<u>OPERATING STATISTICS</u>		
Average miles of road operated	17,801.74	17,751.65
No. of tons carried (Rev.Fr.)	3,810,900	3,732,795
No. of tons carried one mile " "	1,326,342,309	1,117,345,768
No. of tons carried one mile (All Fr.)	1,534,119,675	1,329,395,247
Gross ton miles, excl. of locomotive & tender	3,462,387,280	3,100,436,643
No. of revenue passengers carried	932,618	1,117,862
No. of revenue passengers carried one mile	87,336,993	93,335,007
# Freight train miles	2,291,187	2,139,665
# Passenger train miles	1,687,256	1,590,493
Total train miles (Rev. & Non Rev.)	4,280,280	3,992,076
Freight car miles-loaded	62,305,822	54,586,662
Freight car miles-empty	29,975,921	30,606,910
Passenger train car miles	12,003,287	11,218,531
Total amount of pay roll(Including Eastern Lines)	\$12,531,605	\$11,527,686
Number of employees " " "	96,671	93,173
<u>DAILY AVERAGES PER MILE OF ROAD OPERATED</u>		
Operating revenue	\$32.62	\$30.59
Operating expenses	\$27.61	\$26.30
No. of tons moved one mile (Rev.Fr.)	2,403	2,030
No. of tons moved one mile (All Fr.)	2,780	2,416
No. of rev. passengers carried one mile	158	170
<u>#AVERAGES PER FREIGHT TRAIN MILE</u>		
Freight revenue	\$5.87	\$5.75
No. of tons of freight (Rev.Fr.)	578.9	522.2
No. of tons of freight (All Fr.)	669.6	621.3
Gross ton miles	1511.2	1449.0
Loaded freight cars	27.2	25.5
Empty freight cars	13.1	14.3
<u>#AVERAGES PER PASSENGER TRAIN MILE</u>		
Passenger train revenues	\$2.18	\$2.38
Passengers carried	51.8	58.7
Passenger cars	7.1	7.1
Average operating expenses per train mile	\$3.56	\$3.62
Average length of haul (Rev.Fr.) Miles	348.0	299.3
Average Passenger journey Miles	93.6	83.5
Average tons per loaded freight car mile	24.6	24.4
Av. freight receipt per rev. ton mile	1.014¢	1.102¢
Av. passenger receipt per pass. per mile	2.621¢	2.480¢
xRatio of pay roll to operating revenues	62.2%	61.1%
Ratio of operating expenses to revenues	84.64%	85.97%

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 May, 1928

	1928	1927
<u>OPERATING REVENUES</u>		
Freight	\$13,130,276.15	\$10,522,752.56
Passenger	2,562,748.12	2,630,345.51
Mail	295,863.86	291,105.31
Express	444,482.24	444,789.33
Other freight train	789.00	Dr. 862.00
Other passenger train	369,180.34	362,773.02
Water line	295,982.24	234,427.37
All other	863,345.86	782,794.26
Total railway operating revenues	17,962,667.81	15,268,125.36
<u>OPERATING EXPENSES</u>		
Maintenance of way and structures	\$3,622,713.24	\$3,069,925.26
Maintenance of equipment	3,600,901.09	3,039,530.25
Traffic	792,251.57	828,234.82
Transportation	6,077,632.74	5,575,203.20
Miscellaneous operations	220,078.24	204,519.60
General	333,031.37	340,241.31
Trans. for investment	Cr. --	--
Total railway operating expenses	14,646,608.25	13,057,654.44
<u>OPERATING INCOME</u>		
Net operating revenue	\$3,316,059.56	\$2,210,470.92
Railway tax accruals	318,916.28	321,895.95
Uncollectable revenues	--	--
Hire of equipment	Cr. 96,721.45	Cr. 116,260.13
Joint facilities rents	Dr. 38,145.77	Cr. 26,795.46
Operating income	3,055,718.96	2,031,630.56
<u>OPERATING STATISTICS</u>		
Average miles of road operated	14,241.8	14,004.0
No. of tons carried (Rev.Fr.)	3,000,069	2,370,469
No. of tons carried one mile " "	1,282,839,087	928,763,381
No. of tons carried one mile (All Fr.)	1,471,770,222	1,164,037,269
Gross ton miles, excl. of locomotive & tender	3,055,739,157	2,459,837,297
No. of revenue passengers carried	932,603	963,840
No. of rev. passengers carried one mile	94,079,542	97,490,198
# Freight train miles	2,285,644	1,932,767
# Passenger train miles	1,755,668	1,686,232
Total train miles (Rev. & Non Rev.)	4,241,400	3,794,553
Freight car miles-loaded	54,514,947	44,789,530
Freight car miles-empty	25,606,443	20,568,740
Passenger train car miles	12,974,462	12,718,864
Total amount of pay roll	\$9,416,983.70	\$8,607,335.48
Number of employees	74,460	70,550
<u>DAILY AVERAGES PER MILE OF ROAD OPERATED</u>		
Operating revenue	\$40.69	\$35.17
Operating expenses	\$33.17	\$30.08
No. of tons moved one mile (Rev.Fr.)	2,906	2,139
No. of tons moved one mile (All Fr.)	3,334	2,681
No. of rev. passengers carried one mile	213	225
<u>#AVERAGES PER FREIGHT TRAIN MILE</u>		
Freight revenue	\$5.75	\$5.44
No. of tons of freight (Rev.Fr.)	561.3	480.5
No. of tons of freight (All Fr.)	643.9	602.3
Gross ton miles	1336.9	1272.7
Loaded freight cars	23.9	23.2
Empty freight cars	11.2	10.6
<u>#AVERAGES PER PASSENGER TRAIN MILE</u>		
Passenger train revenues	\$2.09	\$2.21
Passengers carried	53.6	57.8
Passenger cars	7.4	7.5
Average operating expenses per train mile	\$3.45	\$3.44
Average length of haul (Rev.Fr.) Miles	427.6	391.8
Average passenger journey Miles	100.9	101.1
Average tons per loaded freight car mile	27.0	26.0
Av. freight receipt per revenue ton mile	1.024¢	1.133¢
Av. passenger receipt per passenger per mile	2.724¢	2.698¢
Ratio of pay roll to operating revenues	52.4%	56.4%
Ratio of operating expenses to revenues	81.54%	85.52%

Contains a proportion of mixed train miles.

7
CANADIAN NATIONAL SYSTEM
 (Steam Lines in Canada and United States)
 For the Month of May, 1928

OPERATING REVENUES

	1928	1927
Canadian Lines	\$18,001,390.80	\$16,832,544.78
Duluth, Winnipeg & Pacific	186,794.00	186,209.00
Grand Trunk Western Lines	3,397,890.00	3,188,546.00
New England Lines	165,262.20	225,067.57
Total	<u>21,751,337.00</u>	<u>20,432,367.35</u>

OPERATING EXPENSES

Canadian Lines	\$15,236,771.98	\$14,471,188.76
Duluth, Winnipeg & Pacific	167,195.19	170,326.30
Grand Trunk Western Lines	2,399,286.56	2,215,607.32
New England Lines	292,646.55	232,605.20
Total	<u>18,095,900.28</u>	<u>17,089,727.58</u>

NET OPERATING REVENUE

Canadian Lines	\$2,764,618.82	\$2,361,356.02
Duluth, Winnipeg & Pacific	19,598.81	15,882.70
Grand Trunk Western Lines	998,603.44	972,938.68
New England Lines	Dr. 127,384.35	Dr. 7,537.63
Total	<u>3,655,436.72</u>	<u>3,342,639.77</u>

OPERATING INCOME

Canadian Lines	\$2,547,311.25	\$2,187,167.26
Duluth, Winnipeg & Pacific	8,707.24	14,708.58
Grand Trunk Western Lines	592,589.49	582,192.00
New England Lines	Dr. 206,057.48	Dr. 78,324.26
Total	<u>2,942,550.50</u>	<u>2,705,743.58</u>

S U M M A R Y

For Five Months Ended May 31st

	1928	1927
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ALL RAILWAYS

Operating Revenues	\$201,606,920.22	\$188,439,024.38
Operating Expenses	168,933,417.58	160,512,302.56
Net Operating Revenues	32,673,502.64	27,926,721.82
Operating Income	28,316,729.64	24,264,556.65

CANADIAN NATIONAL RAILWAYS

Operating Revenues- Canadian Lines	\$83,577,260.18	\$77,382,191.84
United States Lines	17,603,498.82	16,957,900.60
Total	<u>101,180,759.00</u>	<u>94,340,092.44</u>
Operating Expenses- Canadian Lines	\$71,133,894.74	\$67,746,127.52
United States Lines	12,983,147.33	12,238,343.53
Total	<u>84,117,042.07</u>	<u>79,984,471.05</u>
Net Operating Revenues-Canadian Lines	\$12,443,365.44	\$9,636,064.32
United States Lines	4,620,351.49	4,719,557.07
Total	<u>17,063,716.93</u>	<u>14,355,621.39</u>
Operating Income - Canadian Lines	\$11,592,013.50	\$8,888,919.31
United States Lines	2,171,147.18	2,318,902.07
Total	<u>13,763,160.68</u>	<u>11,207,821.38</u>

EASTERN LINES

CANADIAN NATIONAL RAILWAYS

Operating Revenues	\$10,649,954.00	\$10,998,647.69
Operating Expenses	12,845,747.67	12,196,994.28
Net operating Revenues	Dr. 2,195,793.67	Dr. 1,198,346.59
Operating Income	Dr. 2,436,712.78	Dr. 1,343,005.80

CANADIAN PACIFIC RAILWAY

Operating Revenues	\$80,576,479.59	\$73,567,878.48
Operating Expenses	66,011,131.55	62,156,697.13
Net Operating Revenues	14,565,348.04	11,411,181.35
Operating Income	13,574,553.22	10,747,847.11



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