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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
FEBRUARY
1928

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

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OTTAWA

1928

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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 FEBRUARY, 1928

The railways showed a reduction of 5.20 per cent in their operating ratio, which was 83.02 per cent for February 1928 as against 88.22 per cent in 1927. The net operating revenues were greater than for any previous February, being \$2,532,336 more than for the same period last year and showed an increase of \$2,286,192 over January, 1928. The railway tax accruals were less than last year by \$49,540 and the net operating income was greater by \$2,400,338.

All the general accounts of operating revenues showed increases, the total amounting to \$4,497,877, or 13.2 per cent more than for 1927. Freight revenues were greater by \$3,808,126, or 15.1 per cent for a heavier freight traffic of 23.7 per cent, and the average freight receipt per revenue ton mile was slightly less, being .961 cent as against 1.032 cents for last year. The average length of haul of revenue freight increased from 259.5 miles in 1927 to 295.3 miles in 1928. The passenger revenues were better by \$433,514, or 8.8 per cent for an increase of 5.9 per cent in passenger traffic. The average passenger journey was 56.3 miles, the same as for 1927, and the average passenger receipt per passenger per mile increased from 2.823 cents to 2.900 cents.

The total operating expenses were \$1,965,541, or 6.6 per cent higher than last year, the largest increase being \$1,176,301, or 7.7 per cent in transportation expenses. Maintenance of way and structures and maintenance of equipment showed increases of 7.4 per cent and 4.9 per cent respectively.

The number of employees was greater by 3,566, or 2.3 per cent and the pay roll was increased by \$1,254,658, or 6.6 per cent.

CANADIAN NATIONAL RAILWAYS: Gross revenues were greater than for February, 1927, by \$2,447,959, or 17.7 per cent and exceeded January, 1928, by \$583,727. The largest increase was in freight revenue which was \$2,090,488, or 20.5 per cent more than for last year for an increase of 36.6 per cent in freight traffic. The average length of haul of revenue freight was 352.8 miles, as against 291.2 miles in 1927, and the average freight receipt per revenue ton mile was .12 cent less than for last year. The passenger revenues were increased by \$179,228, or 9.3 per cent for an increase in passenger traffic of 6.1 per cent. Operating expenses exceeded those of February, 1927, by \$789,552, or 6.1 per cent and the operating income was increased by \$1,648,357.

The number of employees was greater by 1,428, or 1.7 per cent and the pay roll increased by \$715,510, or 6.9 per cent.

The lines in the United States showed an increase in the net operating revenue of \$52,092 and the operating income was larger by \$19,950.

For the two months ending February, 1928, the whole system showed an increase in operating income of \$1,739,213 over the same period for last year.

CANADIAN NATIONAL RAILWAYS, EASTERN LINES: The net operating deficit was \$121,690 less than for January this year, but was greater than for February, 1927, by \$26,038. Freight traffic was heavier by 14.9 per cent with an increase in freight revenue of only \$32,877, or 2.4 per cent, which resulted from a decrease in revenue per ton mile from .889 cent to .792 cent, or 11 per cent. Passenger traffic showed a decline of 13.7 per cent while passenger revenues were increased by \$28,030, or 10.0 per cent. Average passenger receipts increased from 1.886 cents to 2.403 cents per passenger. The average length of haul decreased 14.7 miles and the average passenger journey was less by 7.4 miles.

CANADIAN PACIFIC RAILWAY: The net operating revenue was greater than for any previous February, exceeding last year's by \$720,609, and was \$754,301 more than for January of this year. Freight revenue was \$1,443,176, or 14.7 per cent more than for the same period last year for an increase in freight traffic of 16.5 per cent. Passenger revenue was greater by \$196,111, or 9.8 per cent for an increase of 10.3 per cent in passenger traffic.

The total operating expenses increased by \$979,346, or 8.7 per cent, the largest increases being maintenance of equipment, 13 per cent, and maintenance of way and structures, 11.2 per cent.

There were 2,002, or 3.7 per cent more employees and the pay roll was increased by \$443,873, or 6.3 per cent.

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OPERATING REVENUES, EXPENSES & STATISTICS
STEAM RAILWAYS OF CANADA
WITH ANNUAL OPERATING REVENUES OF \$500,000
For the month of February, 1928

	1928	1927
<u>OPERATING REVENUES</u>		
Freight	\$28,958,768.85	\$25,150,642.78
Passenger	5,378,851.19	4,945,336.78
Mail	576,445.06	568,106.24
Express	1,511,832.07	1,407,015.68
Other freight train	5,247.65	86.00
Other passenger train	524,054.04	461,772.68
Water line	55,104.24	46,909.59
All other	1,502,396.99	1,434,952.40
Total railway operating revenues	38,512,700.09	34,014,822.15
<u>OPERATING EXPENSES</u>		
Maintenance of way and structures	\$4,948,467.98	\$4,606,683.79
Maintenance of equipment	7,888,786.07	7,519,054.48
Traffic	1,353,999.86	1,306,330.86
Transportation	16,392,524.27	15,216,222.47
Miscellaneous operations	412,014.16	382,357.48
General	1,023,888.02	1,022,591.82
Trans. for investment	Cr. 47,849.66	46,951.73
Total railway operating expenses	31,971,830.70	30,006,289.17
<u>OPERATING INCOME</u>		
Net operating revenue	\$6,540,869.39	\$4,008,532.98
Railway tax accruals	665,779.20	715,319.58
Uncollectable revenues	1,039.76	937.37
Hire of equipment	Dr. 74,603.50	Cr. 26,530.36
Joint facilities rents	Dr. 55,350.59	Cr. 24,951.44
Operating income	5,744,096.34	3,343,757.83
<u>OPERATING STATISTICS</u>		
Average miles of road operated	39,550.72	39,351.08
No. of tons carried (Rev.Fr.)	10,204,942	9,385,680
No. of tons carried one mile " "	3,013,199,841	2,436,010,697
No. of tons carried one mile (All Fr.)	3,338,254,261	2,752,588,946
Gross ton miles, excl. of locomotive & tender	7,540,966,477	6,125,547,161
No. of revenue passengers carried	3,296,410	3,110,227
No. of revenue passengers carried one mile	185,502,197	175,179,419
# Freight train miles	5,699,479	4,919,554
# Passenger train miles	3,695,190	3,504,070
Total train miles (Rev. & Non Rev.)	9,649,323	8,689,127
Freight car miles-loaded	130,304,300	110,418,577
Freight car miles-empty	56,520,330	49,377,009
Passenger train car miles	25,223,133	23,879,697
Total amount of pay roll	\$20,327,616.20	\$19,072,957.55
Number of employees	156,583	153,017
<u>DAILY AVERAGES PER MILE OF ROAD OPERATED</u>		
Operating revenue	\$33.58	\$30.87
Operating expenses	\$27.88	\$27.23
No. of tons moved one mile (Rev.Fr.)	2,627	2,211
No. of tons moved one mile (All Fr.)	2,910	2,498
No. of rev. passengers carried one mile	162	159
<u>#AVERAGES PER FREIGHT TRAIN MILE</u>		
Freight revenue	\$5.08	\$5.11
No. of tons of freight (Rev.Fr.)	528.7	495.2
No. of tons of freight (All Fr.)	585.7	559.5
Gross ton miles	1323.1	1245.1
Loaded freight cars	22.9	22.4
Empty freight cars	9.9	10.0
<u>#AVERAGES PER PASSENGER TRAIN MILE</u>		
Passenger train revenues	\$2.16	\$2.11
Passengers carried	50.2	50.0
Passenger cars	6.8	6.8
Average operating expenses per train mile	\$3.31	\$3.45
Average length of haul (Rev.Fr.) Miles	295.3	259.5
Average passenger journey Miles	56.3	56.3
Average tons per loaded freight car mile	25.6	24.9
Av. freight receipt per rev. ton mile	.961¢	1.032¢
Av. passenger receipt per passenger per mile	2.900¢	2.823¢
Ratio of pay roll to operating revenues	52.1%	56.1%
Ratio of operating expenses to revenues	83.0%	88.22%

Contains a proportion of mixed train miles.

OPERATING REVENUES, EXPENSES & STATISTICS

EASTERN LINES

CANADIAN NATIONAL RAILWAYS

For the month of February, 1928

	1928	1927
<u>OPERATING REVENUES</u>		
Freight	\$1,391,205.00	\$1,358,328.00
Passenger	308,458.00	280,428.00
Mail	65,200.00	66,190.84
Express	106,789.47	120,600.91
Other freight train	-	-
Other passenger train	31,971.49	31,683.82
Water line	-	-
All other	63,885.04	65,206.54
Total railway operating revenues	1,967,509.00	1,922,438.11
<u>OPERATING EXPENSES</u>		
Maintenance of way and structures	\$410,147.09	\$400,600.37
Maintenance of equipment	445,816.67	509,539.72
Traffic	65,010.42	57,664.36
Transportation	1,362,945.91	1,251,659.50
Miscellaneous operations	31,180.07	27,636.66
General	107,412.70	104,729.05
Trans. for investment	Cr. 245.33	Cr. 671.07
Total railway operating expenses	2,422,267.53	2,351,158.59
<u>OPERATING INCOME</u>		
Net operating revenue	Dr. \$454,758.53	Dr. \$428,720.48
Railway tax accruals	21,551.05	21,929.21
Uncollectable revenues	47.42	217.61
Hire of equipment	Cr. 3,731.80	Cr. 3,266.42
Joint facilities rents	Dr. 1,810.12	Dr. 2,882.86
Operating income	Dr. 474,435.32	Dr. 450,483.74
<u>OPERATING STATISTICS</u>		
Average miles of road operated	3,108.04	3,107.99
No. of tons carried (Rev.Fr.)	611,143	560,428
No. of tons carried one mile " "	175,619,320	152,804,543
No. of tons carried one mile (All Fr.)	190,528,049	176,331,499
Gross ton miles, excl. of locomotive & tender	404,295,542	373,958,572
No. of revenue passengers carried	281,235	280,467
No. of revenue passengers carried one mile	12,834,881	14,872,052
# Freight train miles	382,122	358,526
# Passenger train miles	297,928	277,645
Total train miles (Rev. & Non Rev.)	717,221	664,800
Freight car miles-loaded	7,899,980	6,991,121
Freight car miles-empty	2,090,156	2,258,445
Passenger train car miles	1,862,845	1,795,400
Total amount of pay roll (Included in Canadian Lines)		
Number of employees " " " "		
<u>#DAILY AVERAGES PER MILE OF ROAD OPERATED</u>		
Operating revenue	\$21.83	\$22.09
Operating expenses	\$26.87	\$27.02
No. of tons moved one mile (Rev.Fr.)	1,948	1,756
No. of tons moved one mile (All Fr.)	2,114	2,026
No. of rev. passengers carried one mile	142	171
<u>#AVERAGES PER FREIGHT TRAIN MILE</u>		
Freight revenue	\$3.64	\$3.79
No. of tons of freight (Rev.Fr.)	459.6	426.2
No. of tons of freight (All Fr.)	498.6	491.8
Gross ton miles	1058.0	1043.0
Loaded freight cars	20.7	19.5
Empty freight cars	5.5	6.3
<u>#AVERAGES PER PASSENGER TRAIN MILE</u>		
Passenger train revenues	\$1.72	\$1.80
Passengers carried	43.1	53.6
Passenger cars	6.3	6.5
Average operating expenses per train mile	\$3.38	\$3.54
Average length of haul (Rev. Fr.) Miles	287.4	272.7
Average passenger journey Miles	45.6	53.0
Average tons per loaded freight car mile	24.1	25.2
Av. freight receipt per rev. ton mile	.792¢	.889¢
Av. passenger receipt per passenger per mile	2.403¢	1.886¢
Ratio of pay roll to operating revenues (Included in Canadian Lines)		
Ratio of operating expenses to revenues	123.11%	122.30%

Contains a proportion of mixed train miles.

OPERATING REVENUES, EXPENSES & STATISTICS

CANADIAN NATIONAL RAILWAYS

For the month of February, 1928

	1928	1927
<u>OPERATING REVENUES</u>		
Freight	\$12,297,028.74	\$10,206,539.95
Passenger	2,114,351.33	1,935,123.27
Mail	193,106.15	188,282.03
Express	799,257.59	673,200.48
Other freight train	--	--
Other passenger train	193,956.10	161,044.11
Water line	--	--
All other	706,900.04	692,496.09
Total railway operating revenues	16,304,640.55	13,856,685.93
<u>OPERATING EXPENSES</u>		
Maintenance of way and structures	\$2,159,611.32	\$2,035,125.09
Maintenance of equipment	3,239,589.58	3,225,288.40
Traffic	467,452.72	423,499.21
Transportation	7,358,687.28	6,769,438.39
Miscellaneous operations	134,704.25	122,532.00
General	441,215.06	435,354.15
Trans. for investment	Cr. 46,556.08	Cr. 46,085.76
Total railway operating expenses	13,754,704.13	12,965,151.48
<u>OPERATING INCOME</u>		
Net operating revenue	\$2,549,940.82	\$891,534.45
Railway tax accruals	254,278.79	272,268.99
Uncollectable revenues	738.02	614.88
Hire of equipment	Cr. 113,307.79	Cr. 109,414.24
Joint facilities rents	Cr. 10,450.19	Cr. 42,259.92
Operating income	2,418,681.99	770,324.74
<u>OPERATING STATISTICS</u>		
Average miles of road operated	17,795.66	17,751.57
No. of tons carried (Rev.Fr.)	3,885,784	3,446,601
No. of tons carried one mile " "	1,370,951,769	1,003,768,359
No. of tons carried one mile (All Fr.)	1,510,280,923	1,181,265,775
Gross ton miles, excl. of locomotive & tender	3,146,693,665	2,603,271,513
No. of revenue passengers carried	1,433,446	1,330,953
No. of revenue pass. carried one mile	71,817,163	67,664,678
# Freight train miles	2,317,473	1,915,403
# Passenger train miles	1,477,962	1,397,281
Total train miles (Rev. & Non Rev.)	3,925,614	3,441,997
Freight car miles-loaded	56,482,706	46,516,467
Freight car miles-empty	22,916,589	21,822,751
Passenger train car miles	9,620,938	9,138,741
Total amount of pay roll (Including Eastern Lines)	\$11,136,721	\$10,421,211
Number of employees " " "	87,127	85,699
<u>DAILY AVERAGES PER MILE OF ROAD OPERATED</u>		
Operating revenue	\$31.59	\$27.88
Operating expenses	\$26.65	\$26.08
No. of tons moved one mile (Rev.Fr.)	2,657	2,019
No. of tons moved one mile (All Fr.)	2,926	2,377
No. of rev. passengers carried one mile	139	136
<u>#AVERAGES PER FREIGHT TRAIN MILE</u>		
Freight revenue	\$5.31	\$5.33
No. of tons of freight (Rev.Fr.)	591.6	524.1
No. of tons of freight (All Fr.)	651.7	616.7
Gross ton miles	1357.8	1359.1
Loaded freight cars	24.4	24.3
Empty freight cars	9.9	11.4
<u>#AVERAGES PER PASSENGER TRAIN MILE</u>		
Passenger train revenues	\$2.23	\$2.12
Passengers carried	48.6	48.4
Passenger cars	6.5	6.5
Average operating expenses per train mile	\$3.50	\$3.77
Average length of haul (Rev.Fr.) Miles	352.8	291.2
Average passenger journey Miles	50.1	50.8
Average tons per loaded freight car mile	26.7	25.4
Av. freight receipt per rev. ton mile	.879¢	1.017¢
Av. passenger receipt per pass. per mile	2.944¢	2.860¢
xRatio of pay roll to operating revenues	60.9%	66.0%
Ratio of operating expenses to revenues	84.36%	93.57%
* 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 February, 1928

	1928	1927
<u>OPERATING REVENUES</u>		
Freight	\$11,261,629.17	\$9,818,452.70
Passenger	2,199,555.56	2,003,443.67
Mail	272,155.94	261,661.69
Express	443,792.64	447,593.22
Other freight train	4,936.66	86.00
Other passenger train	269,573.14	240,239.62
Water line	55,004.24	46,909.59
All other	548,451.72	536,756.60
Total railway operating revenues	15,055,099.07	13,355,143.09
<u>OPERATING EXPENSES</u>		
Maintenance of way and structures	\$1,729,767.39	\$1,555,652.90
Maintenance of equipment	3,377,662.66	2,989,829.54
Traffic	732,287.18	743,752.45
Transportation	5,917,964.09	5,493,351.61
Miscellaneous operations	187,909.22	185,444.37
General	299,500.24	297,713.89
Trans. for investment	--	--
Total railway operating expenses	12,245,090.78	11,265,744.76
<u>OPERATING INCOME</u>		
Net operating revenue	\$2,810,008.29	\$2,089,398.33
Railway tax accruals	287,552.66	290,466.16
Uncollectable revenues	--	--
Hire of equipment	Cr. 84,138.38	Cr. 144,373.57
Joint facilities rents	Dr. 3,535.79	Cr. 24,893.04
Operating income	2,603,058.22	1,968,198.78
<u>OPERATING STATISTICS</u>		
Average miles of road operated	14,170.2	14,004.00
No. of tons carried (Rev.Fr.)	2,775,281	2,417,591
No. of tons carried one mile " "	1,157,291,436	993,100,927
No. of tons carried one mile (All Fr.)	1,320,385,557	1,099,874,170
Gross ton miles, excl. of locomotive & tender	3,073,443,728	2,312,253,700
No. of revenue passengers carried	1,151,786	1,060,467
No. of revenue pass. carried one mile	76,169,353	69,057,213
# Freight train miles	2,290,500	1,983,225
# Passenger train miles	1,460,617	1,381,408
Total train miles (Rev. & Non Rev.)	3,816,078	3,450,575
Freight car miles-loaded	49,356	41,622,482
Freight car miles-empty	21,538	15,926,547
Passenger train car miles	10,419,954	9,775,508
Total amount of pay roll	\$7,470,815.57	\$7,026,941.93
Number of employees	56,758	54,756
<u>DAILY AVERAGES PER MILE OF ROAD OPERATED</u>		
Operating revenue	\$36.64	\$34.06
Operating expenses	\$29.80	\$28.73
No. of tons moved one mile (Rev.Fr.)	2,816	2,533
No. of tons moved one mile (All Fr.)	3,213	2,305
No. of rev. passengers carried one mile	185	176
<u>#AVERAGES PER FREIGHT TRAIN MILE</u>		
Freight revenue	\$4.92	\$4.95
No. of tons of freight (Rev.Fr.)	505.3	500.8
No. of tons of freight (All Fr.)	576.5	554.6
Gross ton miles	1341.8	1165.9
Loaded freight cars	21.5	21.0
Empty freight cars	9.4	8.0
<u>#AVERAGES PER PASSENGER TRAIN MILE</u>		
Passenger train revenues	\$2.18	\$2.14
Passengers carried	52.1	50.0
Passenger cars	7.1	7.1
Average operating expenses per train mile	\$3.21	\$3.26
Average length of haul (Rev.Fr.) Miles	417.0	410.8
Average passenger journey Miles	66.1	65.1
Average tons per loaded freight car mile	26.8	26.4
Av. freight receipt per revenue ton mile	.973¢	.939¢
Av. passenger receipt per passenger per mile	2.883¢	2.901¢
Ratio of pay roll to operating revenues	49.6%	52.6%
Ratio of operating expenses to revenues	81.34%	84.36%

* Contains a proportion of mixed train miles.

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

OPERATING REVENUES

	1928	1927
Canadian Lines	\$16,304,644.95	\$13,856,685.93
Duluth, Winnipeg and Pacific	251,642.00	222,049.00
Grand Trunk Western Lines	2,789,718.00	2,609,566.00
New England Lines	242,697.05	262,385.73
Total	<u>\$19,588,702.00</u>	<u>\$16,950,686.66</u>

OPERATING EXPENSES

Canadian Lines	\$13,754,704.13	\$12,965,151.48
Duluth, Winnipeg and Pacific	167,585.73	161,560.91
Grand Trunk Western Lines	1,965,059.30	1,850,857.24
New England Lines	233,142.12	215,405.17
Total	<u>\$16,120,491.28</u>	<u>\$15,192,974.80</u>

NET OPERATING REVENUE

Canadian Lines	\$2,549,940.82	\$ 891,534.45
Duluth, Winnipeg and Pacific	84,056.27	60,488.09
Grand Trunk Western Lines	824,658.70	758,708.76
New England Lines	9,554.93	46,980.56
Total	<u>\$3,468,210.72</u>	<u>\$1,757,711.86</u>

OPERATING INCOME

Canadian Lines	\$2,418,681.99	\$770,324.74
Duluth, Winnipeg and Pacific	66,737.88	49,516.57
Grand Trunk Western Lines	445,960.78	405,528.66
New England Lines	Dr. 79,767.85	Dr. 42,065.26
Total	<u>\$2,851,612.30</u>	<u>\$1,383,304.71</u>

S U M M A R Y

For Two Months Ended February 29th

	1928	1927
<u>ALL RAILWAYS</u>		
Operating Revenues	\$76,214,464.12	\$ 69,920,810.11
Operating Expenses	65,418,917.67	61,687,150.54
Net Operating Revenues	10,795,546.45	8,233,659.57
Operating Income	9,003,057.54	6,792,672.12

CANADIAN NATIONAL RAILWAYS

Operating Revenues-Canadian Lines	\$32,025,562.51	\$28,447,580.16
United States Lines	6,434,810.49	6,279,943.31
Total	<u>38,460,373.00</u>	<u>34,727,523.47</u>
Operating Expenses-Canadian Lines	27,851,313.35	26,134,587.09
United States Lines	4,819,837.86	4,553,123.58
Total	<u>32,671,151.21</u>	<u>30,737,710.67</u>
Net Operating Revenues-Canadian Lines	4,174,249.16	2,262,993.07
United States Lines	1,614,972.63	1,726,819.73
Total	<u>5,789,221.79</u>	<u>3,989,812.80</u>
Operating Income - Canadian Lines	3,748,399.35	1,886,360.41
United States Lines	675,536.03	798,361.30
Total	<u>4,423,935.38</u>	<u>2,684,721.71</u>

EASTERN LINES

CANADIAN NATIONAL RAILWAYS

Operating Revenues	\$3,786,733.00	3,964,562.37
Operating Expenses	4,817,941.01	4,648,659.74
Net Operating Revenue	Dr. 1,031,208.01	Dr. 684,097.37
Operating Income	Dr. 1,115,615.81	Dr. 733,117.37

CANADIAN PACIFIC RAILWAY

Operating Revenues	\$30,405,840.32	\$27,738,223.59
Operating Expenses	25,540,125.59	24,035,044.05
Net Operating Revenue	4,865,714.73	3,703,179.54
Operating Income	4,481,094.50	3,478,433.38

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