# CANADA <br> DEPARTMENT OF TRADE AND COMMERCE <br> DOMINION BUREAU OF STATISTICS TRANSPORTATION BRANCH 

OPERATING REVENUES EXPENSES \& STATISTICS of

RAILWAYS

## With Annual Operating Revenues of $\$ 500,000$

For
OCTOBER
1927

Published by authority of the Hon. James Malcolm, M. P., Minister of Trade and Commerce
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OTTAWA
1927

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# Dominion Statistician, R.H. Coats, B.A., F.S.S., (Hon.)F.R.S.C. <br> Chief, Transportation Branch, G.S. Wrong, B. Sc. 

OPFRATING REVENUES, EXPENSES \& STATISTICS
STEAM RAILTWAYS OF CANADA
WITH ANNUAL OPERATING REVENUES OF $\$ 500,000$
FOR THE MONTH OF OCTOBER, 1227

The railways as a whole showed a reduction in freight traffic of .3 per cont and freight revenues were less by $\$ 1,238,299$, or 3.1 per cent. Passenger traffic declined by 3.8 per cent, reducing passenger receipt by $\$ 236,309$, or 3.8 per cent. Gross revenues were lighter by $\$ 1,487,747$, or 2.9 per cent and operating expenses were heavier by $\$ 886,840$, or 2.7 per cent, reducing the net operating revenues by $\$ 2,374,587$ and the operating income by $\$ 2,262,454$.

With practically no change in the number of employees, the pay roll was increased by $\$ 1,043,229$, or 4.9 per cent. There was no change in the average passenger receipts per passenger mile, but the freight receipts per ton mile was less by .022 cent, or 2.4 per cent.

For the ten months, January - October, gross revenues showed an increase of $\$ 3,900,254$ but heavier operating expenses reduced the net operating revenue by $\$ 10,472,594$ and the operating in ome by $\$ 11,642,701$.

CANADIAN NATIONAL RAILWAYS- The Canadian National Railways showed a reduction in revenue ton miles of less than one per cent but freight revenue declined by $\$ 903.736$, or 5.2 per cent. A larger amount of grain in transit at the end of the month would tend to bring the ton miles up to the 1926 record without correspondingly increasing revenues. Gross revenues were down $\$ 856,316$, or 4 per cent and operating expenses were reduced by $\$ 198.113$, or 1.4 per cent, the net operating revenues showing a decrease of $\$ 658,203$ and the operating income, a decrease of $\$ 492,692$.

The pay roll was increased only $\$ 88,235$ including $\$ 14,597$ back pay, while the average number of employees was less by 3,553 , or 4.4 per cent. The average receipt per ton mile decreased from .885 cent to .848 cent, or by 4 per cent and, with a small increase in train loading of 5.4 revenue tons, the revenue per train mile decreased by 20 cents.

The lines in the United States showed reductions in gross revenues and also in expenses and net revenues, reducing the system net revenues by $\$ 897,668$ and the operating income by $\$ 615,783$, compared with last year's.

For the ten months net revenues on the Canadian lines were less than in 1926 by $\$ 4,367,811$, but on the United States lines they increased by $\$ 565,889$, bringing the system figure to within $\$ 3,801,922$ of last year's and the operating income showed a decrease of $\$ 4,235,064$.

EASTERN LINES OF CANADIAN NATIONAL RAILTAYS- The eastern lines showed a reduction in freight revenues of $\$ 267.181$, or 18.8 per cent with an increase in freight traffic of 3.8 per cent and a $r$ eduction in the average receipts per ton mile of .217 cent or 20.2 per cent. Passenger revenues also declined by $\$ 22,126$, or 6.9 per cent for a decrease of 8.7 per cent in passenger traffic and gross revenues were less than for 1926 by $\$ 301,743$, or 14.6 per cent. With an increase in operating expenses of $\$ 188,160$, or 8.7 per cent, net operating revenues were reduced by $\$ 489.903$ and operating income by $\$ 411,205$.

The train loading averaged only 1001.2 gross tons as against 1559.0 on the rest of the system (Canadian lines) and was lighter than in 1926 by 25.6 tons The average revenue per freight train mile was also light being $\$ 3.41$ as against $\$ 5.77$ on the Canadian National. Although the Maritime Freight Rates Act did not affect passenger rates, the average passenger receipt per passenger mile was .150 cent, or 6 per cent less than on the Canadian National.

For the four months, July - October, the operating deficit amount ed to $\$ 2,471,074$ and the operating income debit to $\$ 2,528,687$ which was greater than in 1926 by $\$ 428,559$.

CANADIAN PACIFIC RAILHAY- The Canadian Pacific Railway increased its gross revenues by $\$ 47,868$ for an increase of 1.8 per cent in the freight traffic and a decrease of 4.9 per cent in passenger traffic, but operating expenses increased by $\$ 861,841$ reducing the net operating revenues by $\$ 813.972$ and the operating income by $\$ 975,834$. Maintenance of way and structures was heavier by $\$ 293,781$, or 14.4 per cent, maintenance of equipment by $\$ 261,098$, or 8.2 per cent and trensportation expenses by $\$ 251,124$, or 3.8 per cent. The increase in the total pay roll was $\$ 727,428$, or 9.1 per cent for an increase of 2,626 , or 4.3 per cent in the average number of employees.

Al though the freight traffic showed an increase, the additional mileage operated reduced the density or the ton miles per mile of track per day from 4,280 to 4,259. The train loading was practically the same as in 1926 decreasing 5 revenue tons but increasing 6.5 gross tons. The lighter passenger traffic reduced the average passengers per train from 62.0 to 59.1.

For the ten months gross revenues increased by $\$ 2,624,303$, but operating expenses increased by $\$ 6,793,394$ making a reduction in net operating revenues of $\$ 4,169,091$ and in operating income of $\$ 5,112,610$.

29/12/27/GA

## STEAM RAIITAYS OF CANADA

TITH ANNUAL OPERATING REVENUES OF $\$ 500,000$
FOT the Month of October, 1927

## OPERATING REVENUES

## Freight

Passenger
Mail
Express
Other freight train
Other passenger train
Water Line
All other
Total railway operating revenues OPERATING EXPENSES

Maintenance of way and structures
Maintenance of equipment
Traffic
Transportation
Miscellaneous operations
General
Trans. for investment
Total railway operating expenses

## OPERATING INCOME

Net operating revenue
Railway tax accruals
Uncollectable revenues
Hire of equipment
Joint facilities rents
Operating income
OPRRATING STATISTICS
Average miles of road operated
No, of tons carried (Rev. Fr.)
No. of tons carried one mile "" "
No, of tons carried one mile (All Fr.)
Gross ton miles, excl. of locomotive \& tender
No. of revenue passengers carried
No. of revenue pass. carried one mile

* Freight train miles
\# Passenger train miles
Total train miles (Rev. \& Non Rev.)
Freight car miles-loaded
Freight car miles-empty
Passenger train car miles
Total amount of pay roll
Number of employees
DAII Y AVERAGES PER MILE OF ROAD OPFRATED
Operating revenue
Operating expenses
No. of tons moved one mile (Rev. Mr.)
No. of tons moved one mile (All Fr.)
No. of rev. passengers carried one mile
\#AVERAGES PER FREIGHT TRAIN MILE
Freight revenue
$\$ 38,156,632.33$
$6,031,571.44$ 549,774.80
$1,887,392.48$
1,061.58 681,262.72 316,817.86
$1,570,030.03$
$49,294,543.24$
$\$ 6,624,212,37$
$7.518,062.96$
$1,474,181.65$
$17,253,189.48$ 483.109 .50
$1,023,461.85$
$103,620.02$
34,272,597.79
$\$ 15,021,945.45$ 730,043.91 1,962.78
Dr. $\quad 85.923 .80$
Dr. 36,922.91
14,167,092.05
39.522.34 12,538,664
4,237,616,174
$4,536,304,284$
$10,107,256,867$
2,746,177
223,126,007
6,907,202
3.992,342
$11,190,240$
$169,618,515$
91,475,096
29,408,205
$\$ 22,353,138,25$
167,752

| $\$ 40.23$ | $\$ 41.67$ |
| ---: | ---: |
| $\$ 27.97$ | $\$ 27.39$ |
| 3.459 | 3.507 |
| 3.703 | 3.734 |
| 182 | 190 |
| $\$ 5.52$ | $\$ 5.67$ |
| 513.5 | 614.9 |
| 656.7 | 1454.7 |
| 1463.3 | 24.4 |
| 24.6 | 13.5 |
| 13.2 | $\$ 2.38$ |
|  | 58.2 |
| $\$ 2.32$ | 7.3 |
| 55.9 | $\$ 2.98$ |
| 7.4 | 323.9 |
| $\$ 3.06$ | 80.3 |
| 335.1 | 26.8 |
| 81.2 | $.922 \phi$ |
| 26.7 | $2.703 \phi$ |
| $.900 \phi$ | $42.0 \%$ |
| $2.703 \phi$ | $65.74 \%$ |
| $45.3 \%$ |  |

No. of tons of freight (Rev. Fr.)
No. of tons of freight (All Fr.)
Gross ton miles
Loaded freight cars
Empty freight cars
\#AVERAGES PER PASSENGER TRAIN MILE
Passenger train revenues
2.32

Passengers carried
Passenger cars
Average operating expenses per train mile
Average length of haul (Rev.Fr.) Miles
Average passenger journey Miles
Average tons per loaded freight car mile
Av. freight receipt per revenue ton mile
Av. passenger receipt per passenger per mile
Ratio of pay roll to operating revenues
59.53\%
$\$ 39,394,931.79$
6,257,881.10 621,254. 01
$1,927,472.40$
1.751 .07 654,141.08 358,878.23
$1,555,980.78$
50,782,290.46
$\$ 6,247,200.13$
7.645,973.26
$1,414,537.21$
16,801,052.22 $421,474.27$ 968,825.78
Gr. 113.305.09
$33.385,757.78$
$\$ 17.396,532.68$ 856.649 .97 7.060 .51

Dr. $112,803.83$
Cr. $\quad 9.538 .50$
$16,429,556.87$
$39,316.87$
13,198,400
4,274,664,125
4,551,157,730
10,160,101,022
2,885,140
231,869,302
6,951,452
3.985,720

11,219,698
169,870,125
93.721,057

29,240,049
\$21,309,908.71
168,035
$\$ 41.67$
3.507
3.734
$\$ 5.67$
654.7
54.0
13.5
2.38
7.3
$\$ 2$.
80.3
$.922 \phi$
$42.0 \%$
$65.74 \%$
\# Contains a proportion of mixed train miles.

## EASIERN LINDS

CANADIAN NATIONAL RAILTAYS
For the month of October, 1927

| OPERATING REVENUES |
| :--- |
| Freight |
| Passenger |
| Mail |
| Express |
| Other freight train |
| Other passenger train |
| Water line |
| All other |
| Total railway operating revenues |

\$1,155.889.00
298,861.00
$70,613.00$
143,882.53
42,413.97
54,162.50
$1.765,822.00$
\$593,698.14
378.933 .02

65,097.86
1,178,237.68
32,487.59
102,998.76
Dr. 906.63
2,352,359.68
Dr. $\$ 586,537.68$
21,432.66
151.91

Cr. 8,705.82
Dr. 1.920 .30
Dr. 601,336.73
3,107.99
505,581
135,311,503
147.083.524

338,927,437
217,179
$12,473,533$
338,521
307,714
671,013
6,794,920
2,263,658
2,045,831
\$1,571,393
13,195

| $\$ 18.33$ | $\$ 21.45$ |
| ---: | ---: |
| $\$ 24.42$ | $\$ 22.46$ |
| 1.404 | 1.379 |
| 1.527 | 1,485 |
| 129 | 142 |

\#AVERAGES PER FREIGHT TRAIN MILE
Freight revenue
No. of tons of freight (Ruv, Mr.)
No. of tons of freight (All Mr.)
Gross ton miles
Loaded freight cars
Trpty freight cars
\#AVERAGES PFR PASSENGER TRAIN MILE
Passenger train revenues
Passengers carried
Passenger cars
Average operating expenses per train mile
Average length of haul (Rev.Fr.) Miles
Average passenger journey Miles
Average tons per loaded freight car mile
Av, freight receipt per revenue ton mile
Av. passenger receipt per passenger per mile
Ratio of pay roll to operating revenues
Ratio of operating expenses to revenues
\$1,423.070.00
320,987.00
68,679.82
158,252.34
42,272.17
54,303.67
2,067.565.00
\$502,347,43
387.142.00
$61,889.43$
1,102,496.99
28,798,75
84.023.12

Cr. $\quad 2.498 .93$
2.164.198.79

Dr. \$96,633.79 82,916.74
525.72

Dr. 8,780.89
Dr. 1,274.30
Dr. 190,131. 44
3,108.97
514,538
132,861,405
143.120,585

332,139,014
244,641
$13,655,606$ 323.478

299,210
647,737
6,657,195
2,344,554
1,981,515
\$1,417,192
12,533

## $\$ 21.45$

$\$ 22.46$
1,485
142

$$
\$ 4.40
$$

410.7 442.4 1026.8
20.6
7.2

$$
\$ 1.97
$$

$$
6.6
$$

$$
\$ 3.34
$$

258.2
55.8
21.5 $1.071 \$$ $2.351 \phi$ $68.5 \%$ $104.67 \%$


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ZO
Na-7%
```

|  | 1927 | 1926 |
| :---: | :---: | :---: |
| OPFRRATING REVENUES |  |  |
| Freight | \$16,387,170.74 | \$17,290.547.15 |
| Passenger | 2,251,114.05 | 2,321,474.20 |
| Mail | 210,526.11 | 196,816.31 |
| Express | 1,006,200.64 | 955,422.78 |
| Other freight train |  |  |
| Other passenger train | 238,865.80 | 236,295.50 |
| Water line |  |  |
| All other | 567,340.47 | 516,978.38 |
| Total railway operating revenues | 20,661,217.81 | $21,517.534 .32$ |
| OPERATING EXPENSES |  |  |
| Maintenance of way and structures | \$2,859,310.29 | \$2,931,587.70 |
| Maintenarce of equipment | 2,783,579.26 | 3,135,545.49 |
| Traffic | 468,162.54 | 428,358.57 |
| Transportation | 7,479,819.96 | 7,340,727.23 |
| Miscellaneous operations | 173,564.48 | 139,512.10 |
| General | 447,730.78 | $434,612.24$ |
| Trans. for lry estment | Cr. 107.790.23 | Cr. 107,852.92 |
| Total railway operating expenses | 14,104,377.08 | 14,302,490.41 |
| ERATING INCOME |  |  |
|  |  |  |
| Railway tas accruals | 221,691.51 | 249,508.78 |
| Uncollectable revenues | 726.92 | 6,473.48 |
| Hire of equipment | Cr. 69,283.63 | Dr. 57.725.30 |
| Joint facilities rents | Cr. 32,116.44 | Or. 27,178.70 |
| Operating income | 6,435,822.37 | 6.928,515.05 |
| OPERATING STATISTICS |  |  |
| Average miles of road operated | 17.726.13 | 17,720.67 |
| No. of tons carried (Rev, Fr.) | 4,707,845 | 4,899,425 |
| No. of tons carried one mile " " | 1,931,696,387 | 1,954,576,882 |
| No, of tons carried one mile (All Fr.) | 2,057,483,167 | 2,075,255,133 |
| Gross ton miles, excl of locomotive \& tender | 4,424,124,538 | 4,523,964,170 |
| No. of revenue passengers carrled | 1,186,863 | 1,292,141 |
| No. of revenue pass, carried one mile | 88,427,872 | 89,726,310 |
| \% Freight train miles | 2,837,881 | 2,898,615 |
| \# Passenger train miles | 1,579,835 | 1,562,619 |
| Total train miles (Rev. \& Non Rev.) | 4,571,043 | 4,628,494 |
| Freight car miles-loaded | 74,696,514 | 75,449,959 |
| Freight car miles-empty | 40,650,342 | 44,277,829 |
| Passenger train car miles | 11, 208,424 | 11,138,968 |
| Total amount of pay roll | \$10,228, 750 | \$10,140,515 |
| Number of employees | 77,363 | 80,916 |
| DAILY AVERAGES PER MIIE OF ROAD OPERATED |  |  |
| Operating revenue | \$37.60 | \$39.17 |
| Operating expenses | \$25.67 | \$26.04 |
| No. of tons moved one mile (Rev.Fr.) | 3,515 | 3.558 |
| No. of tons moved one mile (All Fr.) | 3,744 | 3,778 |
| No. of rev, passengers carried one mile | 161 | 163 |
| \#AVERAGES PFR FREIGHT TRAIN MILE |  |  |
| Freight revenue | \$5.77 | \$5.97 |
| No. of tons of freight (Rev.Fr.) | 680.7 | 674.3 |
| No. of tons of freight (All Fr.) | 725.0 | 715.9 |
| Gross ton miles | 1559.0 | 1560.7 |
| Loaded freight cars | 26.3 | 26.0 |
| Empty freight cars | 14.3 | 15.3 |
| \#AVERAGES PER PASSENGER TRAIN MILE |  |  |
| Passenger train revenues | \$2.35 | \$2.37 |
| Passengers carried | 56.0 | 57.4 |
| Passenger cars | 7.1 | 7.1 |
| Average operating expenses per train mile | \$3.09 | \$3.09 |
| Average length of haul (Rev. Fr.) Miles | 410.3 | 398.9 |
| Average Passenger journey Miles | 74.5 | 69.4 |
| Average tons per loaded freight car mile | 27.5 | 27.5 |
| Av. freight receipt per revenue ton mile | . 848 ¢ | . 885 |
| Av. passenger receipt per pass, per mile | $2.546 \$$ | $2.587 \$$ |
| Ratio of pay roll to onerating revenues | 49.5\% | 47.1\% |
| Ratio of operating expenses to revenues | 68.26\% | 66.47\% |

\# Contains a proportion of mixed train miles.

| OPERATING REVENUES |
| :--- |
| Freight |
| Passenger |
| Mail |
| Express |
| Other freight train |
| Other passenger train |
| Water Line |
| All other |
| Total railway operating revenues |

OPERATING EXPENSES
Maintenance of way and structures
Maintenance of equipment
Traffic
Transportation
Miscellaneous operations
General
Trans. for investment
Total rallway operating expenses

## OPERATING INCOMT

Net operating revenue
Railway tax accmals
Uncollectable revenues
Hire of equipment
Joint facilities rents
Operating income
OPERATING STATISTICS
Average miles of road operated
No. of tons carried
(Rev. Ir .)
No. of tons carried cne mile " "
No. of tons carried one mile (All Fr.)
Grcss ton miles, excl. of locomotive \& tender
Nc. of revenue passengers carried
Nc. of revenue dassengers carried one mile
\# Freight train miles
\# Passenger train miles
Total Train Miles (Rev. \& Non Rev.)
Freight car miles-loaded
Freight car miles-empty
Passenger train car miles
Sotal amount of pay roll
Number of employees
DAILY AVERAGES PFR MILE OF ROAD OPERATED
Operating revenue
No. of tons moved one mile (Rev. Ir.)
Nc. of tons moved one mile ( 111 Fr .)
Nc. of rev, passengers carried one mile
*AVERAGES PFR FREIGHT TRAIN MIJE
Freight revenue
No. of tons of freight (Rev.Fr.)
No. of tons of freight (All Fr.)
Gress ton miles
Lcaded freight cars
mmpty freight cars
\#AVERAGES PER PASSENGER TRAIN MILE
Passenger train revenues
Passengers carried
Passenger cars
Average operating expenses der train mile
Average length of haul (Rev.Fr.) Miles
Average passenger journey Miles
Average tons ner loaded freight car mile
Av. freight receint der rev. ton mile
Av. passenger receipt per passenger per mile
Ratic of pay roll to cperating revenues
Ratio of overating expenses to revenues
$\$ 16,547,966.69$
$2,631,434.50$ $313,218.37$
$464,548.69$
738.68 366,618.17 $260,604.75$ 772,913.86
21,358,043.71
$\$ 2,331,438.42$
3,456,553.23 862,078. 51
6,912,974.40 224,175.50 289.822.50
14.077.042.56
\$7,281,001.15 368,414.70
Cr. $\quad 84,927.58$
Dr. 26,148.84
6.971,365.19

14,181.7 4,213,198
1,872,541,966
2,026,581,532
4,502,999,388
930,768
94,739,254
3,096,695
1,602,438
4,774,314 72,250,517 39,899,207 12,238,600
$\$ 8,689,378.82$
63,362

| $\$ 48.58$ | $\$ 49.19$ |
| ---: | ---: |
| 32.02 | 30.51 |
| 4.259 | 4.280 |
| 4.610 | 4.595 |
| 215 | 230 |

\$5. 34
604.7 654.4
1454.1
23.3
12.9
$\$ 2.36$
59.1
7.6
$\$ 2.95$
444.4
101.8
28.0
$.884 \$$
2.778
$40.7 \%$
$\$ 16,418,787.03$ 2,717,767. 74 306.983.54
$468,946.90$
398.86

340,830. 77
272,862.07
783.547.92
$21,310,174.83$
$\$ 2,037,656.84$
3.195,455.01

842,141.06
6,661,850. 33 199.532.90 $278,564.96$
$13,215,201,10$
$\$ 8.094 .973 .73$
406,704.12
Or. $215,333.22$
cr. $\quad 43.596 .80$
7.947 .199 .63
13.973 .9
4.357 .779

1,854,089,727
$1,990,374,138$
4,402,056,790
955,659
594,066
3,040,930
1,606,097
4,701,275
$70,785,814$
38,872,705
$12,130,432$
\$7,961,949.90
60,736
$\$ 49.19$
30.51

4,280
230
$\$ 5.40$
609.7
654.5
1447.6
23.3
23.3
12.8
$\$ 2.39$
62.0
7.6
$\$ 2.81$
425.5
104.2
28.1
2.8296
$37.4 \%$
62.01\%

* Contains a proportion of mixed train miles.

CANADIAN NATIONAL SYSTEM
(Steam Iines in Canada and United States)
For the Month of October, 1927
OPERATING REVENUES


SUMMARY
Ten Months ended October 3ist
1927

## 1926

ALL RAILTAIS

Operating Revenues
Operating Expenses
Net Operating Revenues
Operating Income

## CANADIAN NATIONAI RAILWAYS

Operating Revenues - Canadian Lines
Central Vermont \& U.S. Lines Total
Operating Expenses - Canadian Lines Tol
Central Vermont \& U.S. Lines
Total
Net Operating Revenues - Canadian Lines Central Vermont \& U.S. Iines

Total
Operating Income - Canadian Lines Central Vermont \& U.S. Lines

Total
CANADIAN PACIFIC RAILWAY
Operating Revenues
Operating Expenses
Net Operating Revenues
Operating Income
$\$ 399,525,969.69$ 330,187,637.82 $69,3 う \check{c}, 33 \cdots, 57$ $61,718,803.50$
$\$ 176,545,648.64$
$43,162,782,36$
219, 708,431.00
$154.535,948.36$
21,830, 884.80
$-186,366,833.16$
22,009,700.28
$\frac{11,331,897.56}{33,241,597.84}$
$20,4.35,077.28$
6,046.083.74
26.451.161.02
$\$ 395,625.715 .80$

- $17,814,790.72$

79,310,925.08
73.j61,504. 61
\$174,712,859.89
$\frac{41,99 \%}{216,721,721}, 781.70$
$148,335.348 .55$
31,232, 717.32
$\frac{179,568,061.87}{26,377,511.34}$
$\frac{10,765,008.49}{37,143,519.83}$
$25,440,143.97$
$\begin{array}{r}5.276,081.65 \\ \hline 30,716,225.62 \\ \hline\end{array}$
\$161,132,662.29
$1.7,866,943.38$
33,265,718.91
$31,466,611.03$
\$158,508,359.19 121,073,549.64 37,434,809.55
36,579,221. 34

## EASTERN IINES

CANADIAN NAMIONAI RAIITAYS
Four Months Inded Octojer, 1927 \& 1926

| Operating Revenues | $\$ 7,608,622.00$ |
| :--- | ---: |
| Operating Expenses | $10,079,696.20$ |
| Net Operating Revenue | Dr. |
| Operating Income | $2,471,074.20$ |
|  | Dr. |
|  | $2,523,68753$ |

Operating Revenues
Operating Expenses
Operating Income
$\$ 8,111,285.00$ 9,860,657.54 Dr.1, 749,372.54 Dr. 2, 100,128. 71

