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CANADA<br>DEPARTMENT OF TKADE AND COMMERCE<br>DOMLNION BUREAU OF STATISTICS<br>TRANSPORTATION BRANCH

OPERATING REVENUES EXPENSES \& STATISTICS
of ${ }^{\circ}$ "
RAILWAYS

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

For
MARCH
1929

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

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OTTAWA
1929

Dominion Statistician, R.F. Coats, B.A., F.S.S., (Hon.), F.R.S.C. Chief, Iransportation Branch, G.S. Wrong, B.Sc.

# OPRRATING REVENUES, RXPENSES \& STATISTICS 

STEM RAILTNAYS OT CANADA
II IT ANNUAL OPFRAMING REVENUES OF $\$ 500,000$
FOR THE MONTH OF MARCH, 1222

Gross revenues of $\$ 44,754,437$ earned by Canadian railways in March mere the largest of any Karch and exceeded the March record made last jear by $\$ 2,065,959$. With operating expenses heavier than in 1928 by only $\$ 977,287$, the net operating revenue of $\$ 10,503,858$ was also a new record, being greater than for March 1928 by $\$ 1,088,672$.

Freight and passenger revenues showed increases of $\$ 1,552,751$ and $\$ 258,926$ for increases in traffic of 8.3 per cent and 2.6 per cent respectively. An embargo on western grain $f$ or lake head affected the grain traffic last year and, although during January and February this year the grain traffic was light, it picked up during March and was considerably heavier than during March 1928. Lumber and coal traffic also showed increases.

The average number of enployees was larger by 5.147 , or 3.3 per cent, and the pay roll increased by $\$ 488,322$, or 2.3 per cent.

For the three months, January - March, gross revenues were larger than in 1928 by $\$ 2,402,895$ and net operating revenues were larger by $\$ 424,723$, but the operating income was less by $\$ 403,336$.

EASTERN LINES - CANADIAN NATIONAI RAILWAYS: Freight revenue was larger than in 1928 by $\$ 39.932$ but passenger and other revenues were lighter, so that the total $r$ evenues were larger by only $\$ 16,704$ and, with an increase in operating expenses of $\$ 19,527$, the net operating revenue was reduced by $\$ 2,822$. Iarger income debits, especially hire of equigment, produced a debit operating income of $\$ 17.705$ as against a credit of $\$ 8,509$ in March 1928 .

[^0]Freight reverues increased by $\$ 547,387$, or 4.2 per cent. Passenger revenues also increased by $\$ 67,293$, or 3.0 per cent for an increase in passenger miles of 1.8 per cent, and total revenues increased by $\$ 776,160$, or 4.5 per cent. Operating expenses were heavier by $\$ 522,879$, or 3.8 per cent and the net operating reverue was greater by $\$ 253,280$, but larger income debits reduced the operating income to $\$ 3,563,767$, or to $\$ 5,501$ below the operating income of March 1928.

The United States lines earned larger revenues and reduced their operating cxpenses with the result that the system net operating revenue was increased by $\$ 595,568$ and the operating income, instead of being smaller as on the Oanadian lines, was larger than for March 1928 by $\$ 246,246$.

For the first quarter the net operating revenues were less in 1929 for the Canadian lines than in 1928 but the United States lines more than offset the decrease and the system net revenue was larger by $\$ 326,774$. but the operating income showed a decreas of $\$ 176,332$.

CANADIAN PACIFIC RAILTAY: Both gross and net operating revenues created now high records for March, exceeding those of 1928, the previous records, by $\$ 845,655$ and $\$ 414,258$ respectively. Freight traffic was heavier than in 1928 by 11.2 per cent and freight revenues increased by $\$ 620,786$, or 5.0 per cent. Passenger miles also showed an increase of 4.0 per cent although the number of passongers carried decreased by 13,115 , or 1.1 per cent. The longer average journey and a higher average receipt per passenger mile increased the passenger revenues by $\$ 169,678$, or 6.5 per cent.

Total operating expenses were also higher than for any previous March, exceeding March 1928 expenses by $\$ 431,396$, or 3.3 per cent. Maintenance of way and structures was lighter then last year by $\$ 124,538$ but maintenance of equipment increased by $\$ 51,049$ and transportation expenses increased by $\$ 433,966$, or 7.2 per cont.

Increased tares and smaller hire of equipment and rental credsts somewhat reduced the improvement in the net operating revenues, making the operating income \$3,956,275 as against \$3,633,206 for March 1928.

For the first quarter gross revenues amounted to $\$ 48,261,513$ as against $\$ 47,224,974$ for 1928 and the operating income amounted to $\$ 7,643,579$ compared with $\$ 8.114,301$ for 1928.

OPRRATING REVENUS

Freight
Passenger
Mail
Express
Other freight train
Other passenger train
Water line
All other
Total rallwas operating revenues OPERATING HXPENSE 6

Maintenance of way and tructures
Maintenance of equipment
Traffic
Iransportation
Mscellaneous operations
General
Trans. for investment
Total railway operating expenses

## OPRRATING INCQME

Net operating revenue
Railway tax accruals
Uncollectable revenues
Hire of equipment
Joint facilities rents
Operating income
$\$ 33.558,409.58$
6,374,796,58
643,799.01
1,622,026.79 18,879.58 621,672.61
$53,620.43$
1,861,232.53
$44,754,437.11$
$\$ 5.617,378.36$ $8,418,563.45$ $1,423.934 .74$ 17.310,135.92

448,676.91
$1,067,125,38$
$35,236.42$
$34,250,578.34$
$\$ 10.503 .858 .77$
715.123 .06 1,626.16
Dr. $\quad 375,338.28$
Dr. $\quad 31,347.35$
9,380,423.92
$40,043.73$
11,113,176
3,166,726,527
3,653,494,075
8,461,965,807
3,535,967
228,210,003
6,227,830
4,014,131
$10,441,319$
156,763,390
66,931,161
29,256,234
\$21,851,714.88
162,451

| $\$ 36.05$ | $\$ 34.74$ |
| ---: | ---: |
| $\$ 27.59$ | $\$ 27.08$ |
| 2.551 | 2.379 |
| 2.943 | 2.709 |
| 184 | 181 |


| $\$ 5.39$ | $\$ 5.57$ |
| ---: | ---: |
| 508.5 | 508.3 |
| 586.6 | 578.7 |
| 1358.7 | 1311.3 |
| 25.2 | 24.2 |
| 10.7 | 9.8 |


| $\$ 2.31$ | $\$ 2.23$ |
| ---: | ---: |
| 56.9 | 55.6 |
| 7.3 | 7.1 |
| $\$ 3.28$ | $\$ 3.31$ |
| 285.0 | 269.8 |
| 64.5 | 65.1 |
| 23.3 | 23.9 |
| $1.060 \phi$ | $1.095 \phi$ |
| $2.793 \phi$ | $2.749 \phi$ |
| $48.8 \%$ | $50.0 \%$ |
| $76.53 \%$ | $77.94 \%$ |

* Contains a proportion of mixed train miles.







 $17$



## EASTERN IINES

QANADIAN NATIONAL RAILHAIS

| OPERATING REVENUES $\quad \therefore$ cran 1928 |  |  |
| :---: | :---: | :---: |
|  |  |  |
| Freight | \$1,947,879,00 | \$1,907,946.41 |
| Passenger | 409,340.00 | 411,633.00 |
| Mail | 64,905.00 | 65,200.00 |
| Hxpress | 131,108.95 | 132,218.36 |
| Other freight train |  | 132,218.36 |
| Other passenger train | 42,754.09 | 48,788.05 |
| Water line |  |  |
| All other | 70.574 .96 | 84,071.59 |
| Total railway operating revenues | $2,566,562.00$ | $2.649,857.41$ |
| OPERATING FXPENSES |  |  |
| Maintenance of may and otructures | 356,014.54 | 402,695.90 |
| Maintenance of equipmont | 561,578.37 | 523,035.74 |
| Traffic | 59,917.70 | 64,279.17 |
| Transportation | 1.494, 748.21 | 1.475,345.21 |
| Miscellaneous operations | 33.055 .40 | 32,124.43 |
| General | 120,584.42 | 107,761.22 |
| Trans. for investment Cr. | 1,470.21 |  |
| Total rallway operating expenses | $2.624,428.43$ | 2.604,901.25 |
| OPERATING INCOME |  |  |
| Net operating revenue | \$ 42,133.57 | \$ 44,956.16 |
| Railway tax accruals | 21,019.57 | 21,608.01 |
| Uncollectable revenues Or. | - 39.72 | 21, 45.11 |
| Hire of equipment Dr . | 39,169.13 | Dr. 11,271.46 |
| Joint facilities rents Cr. | 309.78 | Dr. 3,622.35 |
| Operating income Dr. | 17,705.63 | 8,509.23 |
| OPYRATING STATISTICS |  |  |
| Average miles of road operated | 3,104.36 | 3,108.04 |
| No, of tons carried (Rev. Fr.) | 667,710 | 738,667 |
| No. of tons carried one mile " | 208,331,665 | 215,449,736 |
| No, of tons carried onemile (All Fr.) | 240,475,284 | 235,575,315 |
| Gross ton miles, excl. of locamotive \& tender | 524,986,916 | 503,970,112 |
| No. of revenue passengers carried | 396,210 | 336,126 |
| No. of rev. passengers carried one mile | 18,335,571 | 18,585,484 |
| \# Freight train miles | 470,431 | 459,312 |
| \# Passenger train miles | 332,551 | 328,687 |
| Total train miles (Rev. \& Non Rev.) | 820,785 | 810,349 |
| Freight car miles-loaded | 10,056,995 | 9,445,084 |
| Freight car miles-empty | 3,070,047 | 2,865,805 |
| Passenger train car miles | 2,240,337 | 2,265,966 |
| T.tal amount of pay roll (Included in Oan. Lines) | , | , |

DAILY AVERAGES PFR MIIE OF HOAD OPERATED
Operating revenue

| $\$ 27.71$ | $\$ 27.50$ |
| ---: | ---: |
| $\$ 27.27$ | $\$ 27.04$ |
| 2,165 | 2,236 |
| 2,499 | 2,445 |
| 191 | 193 |

\#AVERAGES PER FREIGHT TRAIN MITE
Freight revenue
No. of tons of freight (Rev, Fr.)
$\$ 4.14 \quad \$ 4.15$
No. of tons of freight (AII Fr.)
442.9
469.0

Gross ton miles 511.2
1116.0

Loaded freight cars
21.4
1097.2

Hnpty freight cars
6.5

## \#AVERAGES PER PASSHNGER TRAIN MILE

20.6

$$
\$ 1.95
$$

$$
\begin{array}{r}
55.1 \\
6.7
\end{array}
$$

$$
\$ 3.20
$$

$$
312.0
$$

$$
46.3
$$

$$
23.9
$$

Passenger train revemues

Passengers carried

Passenger care

Average operating expenses per train mile
Average length of haul (Rev. Fr.) Miles
Average passenger journey Miles
Average tons per lcaded freight car mile Av. freight recoipt per rev. ton mile
Av. passenger receipt per passenger per mile
Ratio of pay roll to operating revenues
Ratio of operating expenses to revenues
$\$ 2.00$
56.5
6.9
\$3. 21
291.7
55.3
24.9
$.935 \phi \quad .886 \phi$
$2.232 \phi \quad 2.215 \phi$
(Included in Canadian Iines)
\# Contains a proportion of mixed train miles.

## CANADIAN NAMIONAL RALTNAYS

For the Month of March 1922
1929
OPFRARTGEEVENOES

## Freiget

Pussencor
Mail
Tixpress
Oiher f.eedetht train
0 then paisenger train
Water limo
Ais other
Total railmay operating revenues OPHTAMIM ERPENETS
liaintenance of way and atructures
Mantenance of equipment
Traffje
ITansportation
Miscellaneous operations
General
Thans, for investrment
Iotal railway onerating expenses OPMPATENG INCON/E

Tet operating revenue
Railway tax accruals
Uncollectable revenues
Fire of equipment
Joint facil:ties rents
Operating income
OPEROTIYG ST'ATITSTI OS
\$13.697, 821.27
2,346,228. 60 208,938.85 $813,960,10$

220,702.40
8981,796.57
18,1861,447.79
\$2,539,042.09
3,218,920.76 477,624.78
$7,487,923.18$ 139,898,66 449.373 .50

Cr. 33,533.85
14,279,249.12
\$3;907,198,67 $253,344,87$

1,648,19
Dr.
Cr.
100,141,40 11,703.58
$3,563,767.79$
Average ruiles of road operated
No: of tons carried
(Rev, Mr.)
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 zeverue nessengers carried one mile
\# Hueleght frazu miles

* Passenger irain riies

Totai frain filiss (Rev, \& Non Rev.)
Wreight $c=0$ miles-i aled
Freight cor milesmempty
Passmpe: orain ar miles $\qquad$ 11,354,511
Thoved ancuat of pay roll (Including Rastern Lines) $11,674,906$
Numis oi omployees " " " 87,401
DAJY AI MAES PH WLIE OF ROAD OPERATED
Crem ras revenue

| $\$ 32.55$ | $\$ 31.55$ |
| ---: | ---: |
| $\$ 25.56$ | $\$ 24.93$ |
| 2,385 | 2,234 |
| 2,783 | 2.571 |
| 152 | 151 |

\#AVIRAGIS jGR FIVEGHM TRAIN MIN
Freigh revenue
$\$ 5.78$
18,021. 87
4,027,444
1,332,528,163
1,554, 715,012
$3,477,7: 2,447$ 1,426,198

Germing arnensos 84,794,502 2,369,994 1,617,609 4,098,231 64,090,615 26,260,550

No, of tons of freight (Rev.Fr.)
562.2
$656: 0$
STo, of tons of freicht (All Fr.)
1467.3
27.0

Londec
11.1

Finp y selent cars
\#AVERAGES THE ASSCAGPR TRATK MILE
Pasconser train revenues
\$2. 22
Dassenters o arried.
52.4

Iassenger cars
Arcracs onorating oxpeases per train mile
7.0

Avorage lendth of houl (Rev.fr.) Miles $\$ 3.48$

上erace passeniger jommey Miles
Averese ona yar vaded freight car mile 330.9
59.5
24.3

Ar. Passe ger recipis per passenger per mile
$x$ I.sijo of pay rull opezating revenues
$1.028 \phi$

Fati. o : pyration exponses to revenues
2.7676
$x \quad$ Inounto ci Fiastern Lines included to dotermine ratio.
त. Contians a procortion of mixed tratn miles.
$\$ 13,150,434.17$
2,278,935.56 193,157.47 805,390.16

211,109.70
$771,260.69$
17,410,287.75
\$2,317,884. 45
3,211,436.82 481, 264.54
7,307,000,37 137,097.10 452,002,05
Cr. $150,316.10$
$13,756,369,23$
\$3,653,918.52 $254,135.84$
$1,534: 22$
Cr. $133,567.18$
Cr. $\quad 37,454.08$
3.569,269.72

17,801.74
4,037,542
1,232,677,924
1,419,024,248
3,110,349,985
1,375,027
83,323,283
2,220,426
1,614,218
3,979,527 57,405,140 23,107,222
11,154,026
\$11,489,396
85,657
$\$ 5.92$
555.2
639.1

1400,8
25.9
10.4
\$2.16
51.6
6.9
\$3.46
305.3
60.6
24.7 1.06 T申
2.735 \%
57.3\%
79.01\%
$\square$
$\square$
 $\square$


$340.54 x^{2}$




OPSRATING REVENTES

Fredght
Passenger
Meil
Express
Other freight train
Other passenger train
Water line
All other
Total railvay operating revenues
OPE ATING EXPENSES
liaintenance of way and structures
Niaintenance of equipment
Traffic
T-ansportation
Miscellaneous operations
General
Trans. for investment
Total railway operating expenses
O. FRATING INCO:IE

Net operating revenue
Railway tax accruals
Uncollectable revenues
Hire of equipment
Joint facilities rents
Operating income
OFFRATING STATISTICS
Average miles of road operated
No. of tons carried
(Rev. Fr.)
No. of tons carried one mile
" 11
No. of tons $c$ arried 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
DAIII AVERAGES PER MILE OF ROAD OPERATED
Operating Revenue
Operating Expenses
No. of tons moved one mile (Rev. Fr.)
No. of tons moved one mile (All Fr.)
No. of rev. passengers carried one mile
\#AVERAGFS PFR TREIGHT TRAIN MILE

## Frei he revenue

Nio. of tons of freight (Rev. Fr.)
No. of tons of freight (All Fr.)
Gross ton miles
Loaded freight cars
Emoty freight cars
\#AVERAGES PER PASSENGER TRAIN MILE
Passenger train revenues
Passengers carried
Passcnger cars
Avcrage operating expenses per train mile
Avcrage length of haul (Rev. Tr.) Miles
Average passenger journey
Miles
Average tons per loaded freight car mile
Av. freisht receipt per rev. ton mile
Av. Jassenger receipt per passenger per mile
Rati. of pay roll to operating revenues
Ra io of operating expenses to revenues

1929
$\$ 13,018,436.88$
2,787,187.15
312,466.78
$445,703.74$ 2,778.50
$321,996.63$ $53,620.43$
$722,599.49$
$17,664,789.60$
$\$ 2,053,189.93$
$3.514,648.11$ $794,626.92$
$6,470,488.91$
222,242.78
$324,205.44$
$13.479,402.09$
$\$ 4,185,387.51$ 302,405.28
Cr. $\quad 54,260.44$
Cr. 19,032.56
3.956,275.23
$14,417.1$
2,897,535
$1,268,816,148$
$1,494,155,266$
3,353,051,180
1,234,509
98,295,902
2,589,336
1,589,596
4,234,086
$61,856,907$
$25,480,397$
11,839,326
\$8,361,619.27
62,405
$\$ 39.52$
$\$ 30.16$
2,839 3. 343 220

## $\$ 5.03$

 490.0 577.0 1294.9 23.9 9.8$\$ 2.43$
61.8
7.4 $\$ 3.18$
437.9 79.6 24.2 1.026 \$ $2.836 \phi$ 47.3\% $76.31 \%$
\$12,397,650.29
2,617,508.78 310,690.09 444,287.00

4,404.95 304,112.25 $61,367.52$ 679,113.35
$16,819,134.23$
\$2,177,728.52
3,563,598.21 761,507.57
6,036,522.69 $192,876.94$
315,771.77
13,048,005.70
\$3.771,128.53
293.778.59

Cr. $130,140.46$
Cr. $25,716.20$
3,633,206.60
14,241.8
2,887,133
1,140,671,290
1,330,194,924
2,905,401,985 1,247,624
94,482,013 2,307,178 1,578,644 3.975, 714 53,836,764 18,515,191
11,546,181
\$8,065,121.10
58,978
$\$ 38.10$
\$29.55
2,584
3,013
214
$\$ 5.38$
494.4
576.5
1259.3
23.3
8.0
\$2. 33
59.9
7.3
\$3. 28
395.1
75.7
24.7
$1.087 \%$
$2.770 \phi$
48.0\%
\# Contains a proportion of mixed train miles.

## For the Month of March, 1929

OPERATING RDVENUSS

$S U M M A R Y$
For Three Months ended March 31 st
ALI RAIITAYS

|  | 1929 |
| :--- | ---: |
| Operating Revenues | $\$ 121,581,799.45$ |
| Operating Expenses | $100,670,380.97$ |
| Net Operating Revenues | $20,911,418.48$ |
| Operating Income | $17,540,325.12$ |

1928
$\$ 119,178,903.76$ 98,692,208.57 20,486,695.19 17,943,661.60

## GANADIAN NATIONAL RAILTHAI

Operating Revenues - Oanadian Lines
Total
Operating Expenses - Oanadian Lines United States Lines

Total
Net Operating Revenues- Canadian Lines
United States Lines
Total
Operating Income - Canadian Lines United States Lines Total
$\$ 49,247,088.16$
$10,718,738.84$
59,965,827.00
41,824,977.20
$7,290,081.47$
$49,115,058.67$
7,422,110.96
$\begin{array}{r}3,428,657.37 \\ \hline 10,850,768.33\end{array}$
6,407,599.44
$2,006,432.65$
$8,414,032.09$
$\$ 49,435,850.26$ $\frac{10,182,172.74}{59,613,023.00}$ $41,607,682.58$ 7,486.345.29 42,094,028.37 $7,828,167.68$ 2,695,826. 45 $10,523,994.13$ 7,317,669.07 $1,272,695.61$
8,590,364.68
\$6,712,552,48
$\$ 7.085,286,00$
$7.774,511,85$
$689,225.85$
Dr. $\quad 867,310.50$
7.422

Operating Revenues
Operating Expenses
Net Operating Hevenue
Operating Income

Operating Revenues
Operating Expenses
Net Operating Revenue
Operating Income
$\$ 48,261,513.78$
39,856,132.02
8,405,381.76
$7,643,579.98$

47,224.974.55
38,588,131.29
8,636,843.26
8,114,301.10


[^0]:    Freight traffic showed a decrease of 3.3 per cent and passenger miles also decreased by 1.3 per cent despite an increase in the number of passengers carried of 17.9 per cent. The average freight receipt per revenue ton mile was 9.35 mills as against 8.86 mills in March 1928. Both these averages include the amounts due from the government on account of the 20 per cent reductions in the freight rates under the Mar!time Freight Rates Act (March 1929-\$190,192; March 1928-\$193.764). These averages, however, were lower than the Canadian National Railways which were 10.28 mills and 10.67 mills for March 1929 and 1928 respectively.

    For the three months, January - March, gross revemues were larger than in 1928 by $\$ 372,734$ but the operating income debit showed an increase of $\$ 36,166$.

    CANADIAN NATIONAL RAILWAYS: (EXclusive of Eastern Lines): Revenue ton mileage was heavier than in March 1928 by 8.1 per cent although there was practically no change in the number of tons of revenue freight carried. An embargo on grain for lake head was in effect last year and, grain being long haul traffic, the ton miles would be affected more than tons carried. The effect of the larger grain movement this year is also apparent in the average freight receipts per ton mile which were 10.67 mills in 1928 and 10.28 mills in 1929.

