$52-003$

OPERATING REVENUES EXPENSES \& STATISTICS
of

RAILWAYS

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

For
OCTOBER
1930

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OTTAWA
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# DEPAETETT ON TRIDE ATR COCTREE <br> DOMIIOI BJREAU OE SIAMISTICS <br> TRAISPOATAMIO: AIT PIELIC UTILITIES BRNTCH <br> $0-T A T A$ 

Doninion Statistician, K.H. Ceats, B.A., F.S.S., (Fon.), F.R.S.C.
Chief, Transoortation \& Public iJtilities 3ranch, G.S. Trong, B.Sc

## OPERATNO RUIT USS, TYPICSES \& STATISTIOE

STEAC RATHEYS CT CNTADA



Gross revenues of Canacian railmars for october amounted to \$42,092,533 which was a decrease from 1929 of $\$ 7.1482,672$, or 15.1 per cent. Operatirg expenses amounting to $\$ 30,68: 677$ were reduced oy $\$ 3,915,703$, making a reduction in the net operating revenue of $\$ 3,566,958$. Freisht traffic continued light, being 14.0 per cent below last year's, and passanger traffic was lighter by 21.2 per cent. The decrease in the pay roll was $\$ 1,0=3,205$, or $4 . j$ per cent, for a reduction of 4,658 in the number of employees.

For the ter months, jemuery - Octuber, gross revenues were $\$ 381,474,326$ and net revenues $\$ 59,378,938$, as ageinst $\$ 447,580,521$ and $\$ 83 ; 330,488$, respectively, in 1929, the decrease in the not rev nue heing $\$ 24,451,550$.

EASTER LINES - CATHIAM NIATM RAIITIS: Freight traffic decreased by 11.4 ner cent but passenger traffic was heavier by 13.0 per cent. Gross revemues amounting to $\$ 2,289,204$ were less har. in I? 29 3y $\$ 345,452$, or 13.1 per cent. With increases in maintenance of way aid structures of $\$ 31,126$, in traffic of $\$ 4,079$ and in ceneral experse of $\$ 74,35$ and a decre ase ir the credit for transtortation for investment of $\$ 7,023$, the deareasc in total operating expenses was only $\$ 40,833$, or 1.6 pe: cent. Net operating revermes showcd a cobit of $\$ 228,780$, as against a credit in 1929 of $\$ 75,838$, and the cperating income was down by $\$ 318,960$.

For January - October, grose revenies amounted to $\$ 24,174,733$ and the onerating income showed a debit of $\$+51+, 505$, as against $\$ 25,480,370$ and a debit of $\$ 3,412,078$, respectively, in 1 , 23 .

CATADIAT NAIIONAL RAITHVS: With a decrease of 8.8 per cent in freight traffic and 26.0 per cent in passenger traific, gross revemues declined by $\$ 2,578,801$, being the lightest sinco 924 when the gross revenues in October, including the Eastern Lines, were $\$ 19,839,551$ Ooprating expenses mere reduced by $\$ 931,426$, or 6.0 per cent, net operating rovenuos by $\$ 1,647,374$ and the operating income of $\$ 1,526,753$. The decrease in the pey roll, including Eastern Lines, was $\$ 1,257,363$, or 8.1 per cent, for a resuction in the number of employees of 5,965 , or 6.0 per cent.

The lines in the United States also shored decreased gross revenues and onerating expenses, the net revenve fow the system (exclusive of Eastern Lines), ooins $\$ 3,859,786$, as against $\$ 5,000,792$ in $79 ? 0$.

Tor January - October, the net opera*ing revenues were: Canadian lincs, $\$ 23,962,376$; United States lines, \$t 556,574 ; system, $\$ 23,618,950$; as against $\$+1,673,642$ for the system in 1929.

CANADIAI PACIGIC RAILTAY: Gross revemes of $\$ 17,082,55 z$ were less than for any October in the past seven years and were less then for October 1929 by $\$ 3,198,364$, or 15.8 per cert. Operating expenses were reduced by $\$ 2,488,715$, maintenence of way and struatures being cut by $\$ 947,013$, or 42.2 per cent, maintenance of equiment by $\$ 795,850$, or 28.1 per cent, triffic by $\$ 257,339$, or 29.3 per cent, ard trensportation by $\$ 425,680$, or 6.9 per cent. The total paur roll shomed an increase of $\$ 175,164$, or 2.2 per cent. This includes wages charjed to bcth operating and capital accounts.

For Janlary - October, gross revenues were $\$ 151,111,230$ and opersting income was $\$ 29,165.526$, compared with $\$ 179,994,895$ and $\$ 35,441,626$, respectivelu, in 1529.
$\frac{550}{50 / 12 / 30 / G A}$

## CPERATITG REVEITUSS

## Freight

Passenger
: $:$ ail
Express
Cther freigint train
other jassenger train
Tater line
All the:
Total railvay operatins revenues
OPERATITG EXPENSES
Maintenance of way and structures
Maintonarce of equipment
Mreffic.
Mransportation
Miscellaneous operations
Gene:ral
Trars. for investmert
Totel rai"mey operating exoerses
OPERAMIM
Net orerating revenue
Railway tax accruals
Uncollectable revenues
Fire of equimment
Joint facilitios rents
Ooerating incone
OFERAIMTG STATISEICS
dverage miles of road operated
No. of tons carried
(Mev. Mr.)
No. of tons carried one mile " "
No. of tons carried one milefall Fr.)
Gross ton miles, excl. of locomotive \& tender
To. of revenue passengers carried
Jo. of revenue passengers carried one mile

* Freignt train miles
* Pessenger trein miles

Motal train riles (Rev. \& Non Rev.)
Freik ht car miles-loaded
Freisht car miles-empty
Passenger trein car miles
Total amount of yay roll
lumber on emplojees
DAIJ A ATHAAGS PTR IIEE OE 2OSD OPERATMD
operating revenue
Operatirg expenses
NiO. of toms noved ane mile (Rev. Fr.)
NO. of tons moved one mile (All Fr.)
No. of rov. nassengers carried one mile
\#AVEPGOS PER GRIGGI TRAII UEE
Freight rnveriza
No. of tons of ireight (Rev.Fr.)
Nio. Of cons of freight (All Wr.)
Gross ton miles
Loaded froight cars
Pmoty freisht cars
\#ATER ATES PET PAESEMJE? MRIIN NITE

## passenger trein reveniles

Passergers carried
Passeacer aars
Averse oneratin expenses jer train mile
Averace length of hau! (Rev. Fr.) Mileg
Averace nassengcr journey Miles
Averase tons per loaded freight car mile
$\therefore$ Vcrace frejcht receipt per revenue ton mile
Av. Dessenger receint per nassenger ner mile
Ràio of pay roll to operating revenues
Ratio of operatins expenses to revenues
\# - Contains e pronortion of mixed train miles.
$\$ 32,277,555.53$
4, 502,887.83
'640,302.16
1,742,505.28
3.677.54

583,614.09
254;812.09
2,087,278.76
$42,092,533.43$
\$6,251,442. 32
6,227.469.59
1,287,973.82
$15,439,328.30$
411,544.50
1, 251,711. 36
184, 792. 43
$30,684,677.46$
\$11,407,956.02 760,280.17 4,992. 74 170,420.51 100,139. 77
10,372,122.83
41, 742.41
10,916,159
3,095,975,368
3,375,942,525
$6,467,730,997$
2,072,394
152,220,156
5,233,099
4,045,026
9.511,770

128,722,196 67,113,195 28,858,435
$\$ 22,191,185.75$
157.099
\$37,879;477.72 $5,741,603.19$ 666,501. 65
1,983,301.5 4,758.94 $734,790.53$ 292,557. 30
2,265, 314.70
$49,575,305,61$
\$7.02-, 309. 77
$7,583,205.41$
1,541,259.17
17,003,796.75
487,038.70
1,125,527.12
Cr. $164,805.98$
$34,600,380.04$
$\$ 14,974,924.67$
757.897. 66
1.544 .05

Dr. 323.135.51
Dr. 15,401.70
$13,875,9+4.85$
41,052.25
13,402,802
3,601,082,540
3,923,905,423
8,524,112,728
2,468,457
205,764,896
5,901,200
4,229,752
$10,375,826$
130,614,816
69,634, 24'
31,101,974
\$23,244,482.91
171,757
$\$ 38.96$
$\$ 27.19$
2.830
3.083
162
$\$ 6.42$
610.2
664.9
1444.5
25.5
11.8
$\$ 2.16$
48.6
7.4
$\$ 3.33$
268.7
33.4
26.1
$1.052 \phi$
$2.790 \%$
$46.9 \%$
69.798
$\$ 6.42$

| $\$ 6.17$ | $\$ 6.42$ |
| ---: | ---: |
| 591.6 | 610.2 |
| 645.1 | 664.9 |
| 1427.01235 .9 | 1444.5 |
| 24.6 | 25.5 |
| 12.8 | 11.8 |

$\begin{array}{rr}\$ 1.85 & \$ 2.16 \\ 40.1 & 48.6\end{array}$
7.1
$\$ 3.23$
283.6
78.3
$\$ 3.33$
268.7
33.4
26.2
$1.043 \phi \quad 1.052 \phi$
$2.7764 \quad 2.7906$
$52.7 \%$
$72.90 \%$
$\$ 32.53$
$59.79 \%$

|  | 1930 1929 |
| :---: | :---: |
| OPERATMG REVETTES |  |
| Freight xx | \$1,523,021,00 \$1,914,929.00 |
| Passenger | 393,547.00 331,509.00 |
| Mail | 66,450.00 68,500.00 |
| Express | 154,000.00 177.332.66 |
| Other freight train |  |
| Other pessenger train | $40,745.37 \quad 45,655.07$ |
| Water line |  |
| All other | 111,440.63 96,730.27 |
| Totel railway operating revenues | 2,289,204.00 2,634,656.00 |
| OPEFAEMG DXEESES |  |
| Mairtenance of way and structures | \$581,732.61 \$550,606.24 |
| Meintenance of equipment Traffic | $\begin{array}{rr}402,345.82 & 451,296.63 \\ 69,438.73 & 65,359.30\end{array}$ |
| Transportation | $1,247,510.68$ 1,351,038.22 |
| Miscellaneous operations | $27,524.43$ 32,023.58 |
| General | 195,497.52 121,182.16 |
| Trans. for investment Cr. | 6,565.69 Cr. 13,588.71 |
| Total railway operating experses | 2,517,984.10 2,558,817.42 |
| OPERATING INCOIE |  |
| Net operatinc revenue Dr. | \$228,780110 \$75.838.58 |
| Railway tax acctuals | 27,798.44 23,727.12 |
| Uncollectable revenues | 137.11 Cr. 2.81 |
| Hire of equipment Dr. | 43,191.58 Dr. 31,928.42 |
| Joint facilities rents Or. | $2,069.53 \text { Cr. } 937.30$ |
| Operatins inceme Dr. | $297,837.70 \quad 21,123.15$ |
| OPRERAITIG STETISTICS |  |
| Iverage miles of road operated | 3,342.49 3,333.28 |
| No. of tons carried (Rev.Fr.) | 568,384 705,391 |
| No. of tons carried one mile " | 139,427,080 157,360,948 |
| No. of tons carried one mile (All Fr.) | 155,008,387 172,085,656 |
| Gross ton miles, excl. of locomotive \& tender | 357,571,264 390,728,959 |
| No. of revenue nassengers carried | 225,830 235,066 |
| No. of revenue dassengers carried one mile | 16,668,600 14,747,580 |
| \# Freicht train miles | 359.132 394,176 |
| \# Passenger train miles | 323.498 326,236 |
| Total train miles (Rev. \& Non Rev.) | 705,171 740,180 |
| Freight car miles-loaded | 5,139,700 7,935,775 |
| Freight car milesumpty | 2,242,216 2,194,181 |
| Passenger train car miles | 2,090,611 2,203,009 |
| Total amount of pay roll | (Included in Canadian Lines) |
| Number of enployees | " " " " |
| DAII Y AVERAGES PGR MIIE OT ROAD OPERATED |  |
| Operating revenue | \$22.09 \$25.50 |
| Operating expenses | \$2+.30 \$24.75 |
| No. of tons moved one mile (Rev.Fr.) | 1,346 |
| No. of tons moved one mile (All Fr.) | 1,496 1,665 |
| No, of rev. Dassengers carried one mile | 161 |
| \#AVERAGES PER FREIGET RAIN MILE |  |
| Freight revenue | \$4.24 \$4.86 |
| No. of tons of freight (Rev. Tr.) | 388.2 399.2 |
| NT. of tons of freicht (All Fr.) | 431.6 - 436.6 |
| Gross ton miles | 995.7991 .3 |
| Loaded freight cars | 14.3 20.1 |
| Frapty freight cars | 6.0 5.6 |
| \#AVERAIES PRR PASSENGER TRGIN UILE |  |
| - Pessenger train revenues | \$2.02 \$1.91 |
| Passengers carriod | 51.5 45.2 |
| Passenger cers | $6.5 \quad 6.8$ |
| Avorege onerating expenses ner train mile | \$3.57 \$3.46 |
| Averege length of haul (Rev. Tr.) Miles | 245.3 222.9 |
| Average oassenger journey Miles | 73.8 61.9 |
| Avernge tons per loaded freight car mile | 30.2 21.7 |
| Av. -reight receint ner revonue ton mile | $1.002 \phi \quad 1.217 \phi$ |
| Av, nassenger receint ner passenger per mile | $2.361 \phi$ 2.248 ${ }^{\text {2 }}$ |
| Ratio of pay roll to onerating revenues | (Included in Canadian Lines) |
| Ratio of ojerating exnenses to revenues | 109.90\% 97.12\% |
| xx - Includins account Maritime Freight Rates Act | \$221,000.00 \$251.518.00 |


|  | 1930 | 1929 |
| :---: | :---: | :---: |
| OPERAT NG ELHMUES |  |  |
| Freignt | \$13.978,598.04 | \$25, 652,709.03 |
| Pass enge: | 1,595,381.32 | 2,157,845.25 |
| Mail | 206,321.25 | 207,512.17 |
| Express | 955,015.18 | 1,032,884.41 |
| Other freicht train | 552.48 | 1,520.00 |
| Other passenger train | 212,422.44 | 272,077.17 |
| Water lire |  |  |
| All other | 989,307.57 | 1,191,852.00 |
| Tot 1 railway operating revenues | 17,937,598.28 | $20,516,400.08$ |
| OPER ING EXPENSES |  |  |
| Maintenarce of way and structures | \$3,536,997.20 | \$3,394, 724.79 |
| Ma ntenance of equipment | 3,058,906.06 | 3,331.725.45 |
| Traffic | 508,200. 15 | 504, 609. 55 |
| Transportation | 6,819,470.77 | 7,6c7,637.95 |
| Miscollanes s operations | 139,534.90 | L6.j, $7+2.24$ |
| General | 606,953.56 | 503,555.27 |
| Trans. for investment Cr. | 151,355.31 | Cr. 147:861.12 |
| Total railway operating expenses | 14,518, 707.33 | 15,450,134.16 |
| OPERATING INCOME |  |  |
| Net operating revenue | \$3,418,890.95 | \$5,066,265.92 |
| Railway tax accruals | 282,442. 18 | 267,557.46 |
| Uncollectable revenues | 4,376.51 | 1.446 .63 |
| Hire of equiprent Cr. | 63,150.31 | Dr. 64,171.93 |
| Joint facilities rents Cr. | 1,484.73 | Dr. 9,628.95 |
| Operating income | 3,196,707.30 | 4,723,460,95 |
| OPERATINC STHIISTICS |  |  |
| Average milns of road operated | 18,584.91 | 18,239.42 |
| No. of tons carried (Rev.Fr.) | 4,061,977 | 4,070,668 |
| No. of tons carried one mile " " | 1,314,159,337 | 1,441,734,529 |
| No. of tons carried one mile (All Fr.) | 1,445,672,190 | 1,598,276,489 |
| Gross ton miles, excl. of locomotive \& tender | 3,277,677,167 | 3,566,486,027 |
| No. of reverue passengers carried | 818,896 | $2,034.546$ |
| No. of revenue pass. carried une mile | 61,221,488 | 82,722,446 |
| * Freight train miles | 2,094,315 | 2,357,704 |
| * Passenger train miles | 1,623,419 | 1,781,149 |
| Tote \& train miles (Rev. \& Non Rev.) | 3,827,239 | 4,292,814 |
| Freight car miles-loaded | 57,565,113 | $63,654,345$ |
| Fre ght car miles-empty | 30,210,146 | 29,065,424 |
| Passenger train car miles | 11,032,062 | 12,377,759 |
| To:al amount of pay roll (Including Eastern Lines) | \$12,185,038 | \$13,252,40= |
| Nunjer of employees " " | 93,049 | 99,014 |
| DAILI AVFRAGES PER MILE OF ROAD OPERATED |  |  |
| Operating revenue | \$31. 13 | \$35.29 |
| Operating expenses | \$25. 20 | \$27.32 |
| No, of tons moved one mile (Rev.Fr.) | 2,281 | 2.550 |
| No. of tons moved one mile (All Fr.) | 2,509 | 2:827 |
| No. of rev. passengers carried one mile | 106 | $1{ }^{1} 60$ |
| \#AVERAGES PER PREIGHT TRAIN MIIE |  |  |
| Freight revenue | \$6.67 | \$6.64 |
| No. of tons of freight (Rev.Fr.) | 627.5 | 611.5 |
| No. of tons of freight (aill Fr.) | 690.3 | 677.9 |
| Gross ton miles | 1565.0 | ? 512.7 |
| Loaded freight cars | 27.5 | 27.0 |
| Empty freight cars | 14.4 | 12.3 |
| \#AVERAGES PSR -ASSENG ER TRAIN MILE |  |  |
| Passenger troin revenues | \$1.83 | \$2.06 |
| Passergers carried | 37.7 | 46.4 |
| Passenger cars | 6.8 | 6.9 |
| Average operatiing expenses per train mile | \$3.79 | \$3.60 |
| Average length of haul (Rev. Fr.) Miles | 323.5 | 290.0 |
| Average passenger iourney Miles | 74.8 | 80.0 |
| Average tors per loaded freight car mile | 25.1 | 25.1 |
| Average ireight receipt per rev. ton mile | 1.064 ¢ | $1.086 \%$ |
| Averago passenger receipt oer passenger per mile | $2.606 \phi$ | 2,609¢ |
| xRatio of pay roll to operating revenues | 60.2\% | 57.2\% |
| Ratio of operating expenses to revenues | 80.94\% | 75.31\% |

$x$ - Uevenue of Eastern Lines included to determine ratio.

*     - Contains a nroportion of mixed train miles.

OPERATING REVENUES

## Freight

Passenger
Mail
Express
Cther freight train
Other passenger train
Water Iine
All other
Total railway operating revenues OPRRATING EXPENSES

Maintenance of way and structures
Maintenance of equioment
Traffic
Transportation
Miscellaneous operations
General
Trans, for investment
Total railway operating expenses OPERATING INCOME

Net operating revenue
Rallway tax accruals
Uncollectable revenues
Hire of equioment
Jolnt facilities rents
Operating Income
OPERATING STATISTICS
Average miles of road operated
No, of tons carried (Rev. Fr. )
No, of tons carried one mile " "
No. of tons carried one mile (lll Fr.)
Gross ton miles, excl. of locomotive \& tender
No. of revenue nassengers carried
No, of revenue pass. carried one mile

* Freight train miles
* Passenger train miles

Total train miles (Rev. \& Non Hev.)
Freight car miles-loaded
Freight car milesmompty
Passenger train car miles
Total amount of pay roll
Number of employees
DAILY AVERAGES PER MIJE OF ROAD OPHRATED
Operating revenue
Operating expenses
No. of tons moved one mile (Rev. Pr.)
No, of tons moved one mile (All Fr.)
No. of rev. passengers carried one mile
\#AVERAGIS PAR FRGIGHT TRAIN MILE

## Freight revenue

No. of tons of freight (Rev. Fr.)
No, of tons of freight (All Fr.)
Gross ton miles
Loaded freight cars
Hmpty freight cars
\#AVERAGES PER PASSENGER TRAIN MILE
Passenger train revenues
Passengers carried
Passenger cars
Average overating expenses per train mile
Average length of haul (Rev. Fr. ) Miles
Average passenger journey Miles
Average tons per loaded freight car mile
Av. frelght receipt per revenue ton mile
Av. passenger recsipt per passenger per mile
Ratio of pay roll to operating revenues
Ratio of operating expenses to revenues
\# Contains a provortion of mixed train miles.
\$13,152,293.15
1,858,341.08 312,492.79 $443,462.16$ 2,901.06 302,816.22 217,392.65 792,859.47
17,082,558.58
\$1,299, 260. 39
2,037.582.46 620,356.01
5,801,258.10
$183,334.73$ 288,216.34
or.
10,230,008.03
$\$ 6,852,550.55$ 328,962. 74

Or.
Dr.
$88,523.04$ 58.018.36 $6,554,092.49$
$15,064.8$
3,323,995
1,375,448,639
1,497,956,207
7,050,452,252
718,218
62,676,794
2,161,188
1,620,088
3, 855,316
51,617,296
26,085,823
11,926,586
\$8,191,471.22
60,810
$\$ 36.58$
\$21.91
2,945
3,208
$\$ 15,644,657.12$
2,419,337. 28 322,930.62 481,871. 39

2,848.68 379.158. 15 262,766.15 767,853.42
$20,281,422.81$
\$2,246,274.17
$2,833,433.16$
877.695 .23

6,227,938.18 219,920.14 323,462,16
$22,718,723.04$
\$7.562,699.77 $338,479.84$

Cr. 62,073.62
Or. $\quad 23.543 .21$
7,309,836.76
14,782.4
3,970,245
1,660,912,696
$1,803,592,260$
3,647,812,580
817,208
81,149,139
2,457,036
1,612,142
4,217,673
61,498,384
29,369,456
22,339,259
$\$ 8,016,306,28$
58,785
$\$ 44.26$
$\$ 27.75$
3,624
3,936
177
$\$ 6.37$
676.0
734.1
1484.6
25.0
12.0
\$2. 24
50.3

| $\$ 1.80$ | $\$ 2.24$ |
| ---: | ---: |
| 38.7 | 50.3 |
| 7.4 | 7.7 |
| $\$ 2.65$ | $\$ 3.09$ |
| 415.0 | 418.3 |
| 87.3 | 99.3 |
| 29.0 | 29.3 |
| $.956 \phi$ | $.942 \phi$ |
| $2.965 \phi$ | $2.981 \phi$ |
| $48.0 \%$ | $39.5 \%$ |
| $59.89 \%$ | $62.71 \%$ |



## CATADIAI PACIMIC PATETAY

Operatiag Revenue
Operating Exnenses
Wet Coeraining Revonue
Merating Incoine
\# - Including Central Verront Reilyay.
\$151,111,230.00
119,275,393,73
31,835,831.27
29,165,520.09
\$17c,004, 395.05
$141.885,055.06$
38,109,830.99 35.411,626.09

