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STATISTICAL DEPARTMENT.

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## REPORT

OF THE

# Chicago, Milwaukee & St. Paul

RAILWAY COMPANY,

For the Calendar Year Ending December 31st, 1888.

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1888.

1888.

**REPORT**

**OF THE**

**Chicago, Milwaukee & St. Paul**

**RAILWAY COMPANY,**

**For the Calendar Year Ending December 31st, 1888.**

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**MILWAUKEE:**  
**CRAMER, AIKENS & CRAMER, PRINTERS.**  
1889.



**REPORT**  
**TO THE**  
**BOARD OF DIRECTORS.**

**REPORT OF THE OPERATION**

**OF THE**

**CHICAGO, MILWAUKEE & ST. PAUL**

**RAILWAY COMPANY,**

**For the Calendar Year Ending December 31st, 1888.**

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*To the Board of Directors :*

The Legislature of the State of Wisconsin having changed the fiscal year of this Company so that it will hereafter end June 30th, the next or twenty-fifth Annual Report will therefore be made for the year ending June 30th, 1889, and correspond with the Annual Reports required by the Interstate Commerce Commission and by the various State Commissions.

For the purpose of comparing the operation of the Calendar year 1888, with the operation of the Calendar year 1887, for which the last Annual Report was made, the following report is submitted :

**MILES OF TRACK.**

Main track owned solely by this Company.....	5,669.47	
Main track owned jointly with other Companies.....	8.68	
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Total length of main track.....		5,678.15
Second and third tracks and connection tracks owned solely by this Company.....	68.14	
Second and third tracks and connection tracks owned jointly with other Companies.....	2.84	
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Total length of second and third tracks and connections.....		70.98
Tracks owned by other Companies, but used by this Company under agreements.....		44.81
Yard tracks, sidings and spur tracks owned solely by this Company.....	1,071.60	
Yard tracks, sidings and spur tracks owned jointly with other Companies.....	16.53	
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Total length of yard tracks, sidings and spur tracks.....		1,088.13
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Total miles of track.....		6,882.07

The lines of road are located as follows:

In Illinois.....	317.78	miles.
“ Wisconsin.....	1,310.09	“
“ Iowa.....	1,574.73	“
“ Minnesota.....	1,120.17	“
“ Missouri.....	140.27	“
“ Dakota.....	1,215.11	“
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Total length of main track.....	5,678.15	“

**COMPARATIVE SUMMARY OF OPERATION.****GROSS EARNINGS.**

1887.....	\$25,366,123 98		
1888.....	24,867,730 56	Decrease.....	\$498,393 42

**OPERATING EXPENSES.**

1887.....	\$15,326,693 80		
1888.....	17,377,353 39	Increase.....	\$2,050,659 59

**NET EARNINGS.**

1887.....	\$10,039,430 18		
1888.....	7,490,377 17	Decrease.....	\$2,549,053 01

**TONS OF FREIGHT CARRIED.**

1887.....	7,573,795		
1888.....	7,776,381	Increase.....	202,586

**NUMBER OF PASSENGERS CARRIED.**

1887.....	6,144,068		
1888.....	7,556,886	Increase.....	1,412,818

**MILES RUN BY FREIGHT, PASSENGER AND MIXED TRAINS.**

1887.....	17,463,409		
1888.....	19,380,244	Increase.....	1,916,835

**MILEAGE OF LOADED FREIGHT CARS.**

1887.....	169,513,964		
1888.....	182,516,157	Increase.....	13,002,193

**MILEAGE OF EMPTY FREIGHT CARS.**

1887.....	61,210,749		
1888.....	68,001,901	Increase.....	6,791,152

**COST OF OPERATING ROAD PER REVENUE TRAIN MILE RUN.**

1887.....	87.77 cts.		
1888.....	89.67 cts.	Increase.....	1.90 cts.

**GROSS EARNINGS PER MILE OF ROAD.**

1887.....	\$4.736 90		
1888.....	4.389 71	Decrease.....	\$347 19

**OPERATING EXPENSES PER MILE OF ROAD.**

1887.....	\$2.862 13		
1888.....	3.067 49	Increase.....	\$205 36

**NET EARNINGS PER MILE OF ROAD.**

1887.....	\$1.874 77		
1888.....	1.322 22	Decrease.....	\$552 55

**AVERAGE MILES OF ROAD OPERATED DURING THE YEAR.**

1887.....	.5,355		
1888.....	.5,665	Increase.....	.310

The average rate per ton per mile received for freights for a series of years past, has been as follows, viz :

1865.....4.11 cts.	1873.....2.50 cts.	1881....1.70 cts.
1866.....3.76 cts.	1874.....2.38 cts.	1882....1.48 cts.
1867.....3.94 cts.	1875.....2.10 cts.	1883....1.39 cts.
1868.....3.49 cts.	1876.....2.04 cts.	1884....1.29 cts.
1869.....3.10 cts.	1877.....2.08 cts.	1885....1.28 cts.
1870.....2.82 cts.	1878.....1.80 cts.	1886....1.17 cts.
1871.....2.54 cts.	1879.....1.72 cts.	1887....1.09 cts.
1872.....2.43 cts.	1880.....1.76 cts.	1888....1.006 cts.

For details of operation reference is made to the Statements of the General Auditor appended hereto.

Respectfully submitted,

ROSWELL MILLER,  
*President and General Manager.*

*To the President :—*

Herewith are submitted Statements of Operation and of the General Accounts for the calendar year ending December 31st, 1888.

JAMES P. WHALING,  
*General Auditor.*

**DETAILED STATEMENT**

OF

**EARNINGS AND EXPENSES**

FOR THE YEARS 1887 AND 1888

**EARNINGS.**

	1887.	1888.
From Freight.....	17,742,141 58	16,998,118 35
From Passengers.....	5,849,260 77	6,031,091 19
From Mails, Express, Etc.....	1,774,721 63	1,838,521 02
Gross Earnings.....	<u>\$25,366,123 98</u>	<u>\$24,867,730 56</u>

**EXPENSES.**

	1887.	1888.
Repairs of Track.....	988,563 35	1,206,568 11
Renewal of Rails.....	392,236 92	326,959 61
Renewal of Ties.....	865,681 56	768,959 98
Trackage.....	89,108 78	122,429 34
Repairs of Bridges.....	354,170 35	574,966 36
Repairs of Fences.....	103,837 46	47,849 01
Repairs of Buildings.....	167,413 08	191,271 77
Repairs of Locomotives.....	947,519 35	1,140,135 22
Repairs of Cars.....	1,305,872 39	1,420,127 75
Repairs of Tools and Machinery.	88,923 11	105,529 34
Carried forward.....	<u>5,303,326 35</u>	<u>5,904,796 49</u>

	1887.	1888.
Brought forward .....	5,303,326 35	5,904,796 49
Management and General Offices..	519,422 78	532,507 42
Foreign Agency and Advertising.	216,354 39	230,215 59
Station Service.....	2,385,108 45	2,605,745 97
Conductors, Bag'ge and Brakemen..	1,238,277 93	1,426,477 20
Engineers, Firemen and Wipers..	1,593,155 50	1,802,494 31
Train and Station Supplies.....	463,735 07	521,097 28
Fuel Consumed.....	2,031,803 43	2,401,668 77
Oil and Waste.....	158,766 06	164,860 48
Personal Injuries.....	123,918 24	176,827 39
Damage to Property.....	60,782 22	70,588 78
Loss and Damage of Fr't and B'ge	26,041 64	37,136 83
Legal Expenses.....	99,126 25	131,167 16
New York Office Expenses.....	27,842 85	27,246 29
Taxes... ..	767,022 08	828,628 90
Insurance .....	50,106 75	42,564 96
Miscellaneous Expenses.....	154,516 11	165,340 91
Stock Yard Expenses.....	14,696 08	12,863 59
Expenses of Elevators.....	58,175 03	54,202 03
Mileage of Cars.....	34,516 59	240,923 04
<b>Total Expenses.....</b>	<b>\$15,326,693 80</b>	<b>\$17,377,353 39</b>

### RECAPITULATION.

	1887.	1888.	Increase.	Decrease.
Gross Earnings.....	25,366,123 98	24,867,730 56		498,393 42
Total Expenses.....	15,326,693 80	17,377,353 39	2,050,659 59	
Net Earnings.....	\$10,039,430 18	\$7,490,377 17		\$2,549,053 01

## STATEMENT OF EARNINGS MONTHLY, FOR THE YEAR 1888.

	FREIGHT.	PASSENGERS.	MAILS, EXPRESS, ETC.	TOTAL.
January.....	961,727 39	349,196 13	141,123 01	1,452,046 53
February.....	1,092,599 04	345,808 67	138,654 25	1,577,061 96
March.....	1,329,257 21	463,444 37	138,187 71	1,930,889 29
April.....	1,207,903 35	479,675 21	138,120 12	1,825,698 68
May.....	1,145,729 87	477,185 85	144,148 83	1,767,064 55
June.....	1,321,337 61	538,455 30	141,535 71	2,001,328 62
July.....	1,207,582 85	571,025 67	145,956 80	1,924,565 32
August.....	1,318,259 25	591,225 00	169,192 50	2,078,676 75
September.....	1,680,268 27	643,129 60	154,769 13	2,478,167 00
October.....	2,194,402 92	585,880 07	162,208 05	2,942,491 04
November.....	1,955,965 64	497,279 19	162,014 97	2,615,259 80
December.....	1,583,084 95	488,786 13	202,609 94	2,274,481 02
<b>Total.....</b>	<b>\$16,998,118 35</b>	<b>\$6,031,091 19</b>	<b>\$1,838,521 02</b>	<b>\$24,867,730 56</b>

RAILWAY COMPANY.

**DETAIL OF EARNINGS FOR THE YEAR 1888.**

From Freight .....	16,998,118	35
“ Passengers .....	6,031,091	19
“ Mail Service .....	840,944	55
“ Express Service .....	434,288	51
“ News Service .....	11,979	84
“ Rents .....	45,282	04
“ Telegraph .....	22,738	43
“ Extra Baggage .....	94,607	34
“ Sleeping Cars .....	58,501	86
“ Parlor Cars .....	14,553	71
“ Stock Yards .....	53,402	01
“ Milk .....	106,063	04
“ Elevators .....	156,159	69
Total .....	<u>\$24,867,730</u>	<u>56</u>

**EQUIPMENT IN SERVICE DEC. 31, 1888.**

Locomotives . . . . .	786
Passenger Cars (1st and 2d class) . . . . .	354
Sleeping Cars . . . . .	9
Parlor Cars . . . . .	9
Dining Cars . . . . .	10
Baggage, Postal, Mail and Express Cars . . . . .	244
Box Cars . . . . .	15,125
Stock Cars . . . . .	2,540
Flat and Coal Cars . . . . .	4,355
Refrigerator Cars . . . . .	345
Caboose, Wrecking, Tool Cars, etc . . . . .	531

In addition to the equipment above mentioned, the Pullman Palace Car Company controls and operates on the lines of the company 45 Sleeping Cars in which this Company owns a three-fourths interest.

## MILEAGE AND REVENUE OF FREIGHT FOR THE YEAR 1888.

	EASTWARD.	WESTWARD.	TOTAL.
No. Tons Freight carried .....	3,988,394	3,787,987	7,776,381
No. Tons Freight carried one mile.....	928,870,639	761,358,022	1,690,228,661
Total Freight Earnings.....	\$9,770,197 67	\$7,227,920 68	\$16,998,118 35
Rate per Ton per mile.....	1.052 cents.	0.949 cents.	1.006 cents.

### MILEAGE AND REVENUE OF PASSENGERS FOR THE YEAR 1888.

	EASTWARD.	WESTWARD.	TOTAL.
No. Passengers carried.....	3,869,069	3,687,817	7,556,886
No. Passengers carried one mile.....	118,638,564	136,030,213	254,668,777
Total Passenger Earnings.....	\$2,938,565 81	\$3,092,525 38	\$6,031,091 19
Rate per Passenger per mile.....	2.48 cents.	2.27 cents.	2.37 cents.

## STATEMENT OF COMMODITIES TRANSPORTED

DURING THE YEARS 1887 AND 1888.

COMMODITIES.	1887.		1888.	
	Tons.	Per Cent.	Tons.	Per Cent.
Flour.....	383,630	5.06	423,280	5.44
Mill Feed.....	84,212	1.11	92,915	1.20
Wheat.....	946,428	12.50	708,143	9.11
Barley.....	266,278	3.52	264,767	3.40
Oats.....	169,766	2.24	171,987	2.21
Corn.....	172,218	2.27	232,336	2.99
Flax Seed.....	82,249	1.09	82,893	1.06
Other Cereals.....	80,410	1.06	79,667	1.02
Hay.....	93,639	1.24	138,805	1.80
Provisions.....	101,437	1.34	102,338	1.32
Dairy Products.....	28,239	.37	32,086	.41
Salt.....	53,582	.71	102,929	1.32
Lime, Cement and Plaster.	112,526	1.49	174,695	2.25
Brick and Stone.....	354,699	4.68	292,772	3.76
Iron, Merchant Pig and R. R.	219,334	2.90	149,424	1.92
Manufactures and Ag'l Im.	183,434	2.42	202,378	2.60
Coal.....	868,589	11.47	1,002,840	12.90
Live Stock.....	366,089	4.83	463,593	5.96
Lumber.....	1,001,782	13.22	1,110,355	14.28
Merchandise.....	630,614	8.33	677,448	8.71
Miscellaneous.....	1,374,640	18.15	1,270,730	16.34
Totals.....	7,573,795	100.00	7,776,381	100.00

**DETAIL OF EQUIPMENT AND IMPROVEMENT  
EXPENDITURES FOR THE YEAR 1888.**

Additional Equipment.....	\$1,346,622 96
Real Estate, Sundry points.....	37,400 65
Round House, Shops, etc., Milwaukee.....	14,661 99
Coal Chutes, etc., Milwaukee.....	4,266 35
Pavement, etc., Milwaukee.....	19,908 22
Shops, Austin.....	6,083 64
Round House, etc., Savanna.....	12,587 02
Round House, etc., Montevideo.....	12,046 72
Round House, etc., Jackson.....	6,331 24
Round House, etc., Aberdeen.....	6,484 21
Coal Chute, Western Avenue.....	7,119 48
Coal Chute, Wausau.....	2,409 00
Pavement, St. Paul.....	4,492 00
Pavement, Sioux Falls.....	2,748 96
Elevator, Yorkshire.....	7,493 04
Elevator, Underwood.....	6,801 65
Elevator, Weston.....	6,700 22
Eating House, Austin.....	5,510 25
Filling Approaches to Sabula Bridge.....	7,211 77
Depot, etc., Winona.....	10,604 43
Depot, etc., Decorah.....	4,090 12
Depot, etc., Tomah.....	3,458 51
Depot, etc., Beloit, Wis.....	2,977 64
Depot, etc., Northfield.....	4,388 19
Depot, etc., Welcome.....	2,213 08
Depot, etc., Monroe, Wis.....	2,423 04
Depots, Warehouses, Coal Sheds, } Water Tanks, etc., at Sundry Points }	146,060 15
Round House, Buildings, Yards, etc., at Marion.....	38,178 28
Change of Line, Marion to Cedar Rapids.....	89,790 44
Iron Bridges, Sundry Points.....	158,256 27
New Fences.....	30,397 81
New Culverts.....	18,160 26
Yard Improvements, Chicago.....	34,095 23
Yard Improvements, Milwaukee.....	15,481 97
Yard Improvements, Spaulding.....	8,808 17
Yard Improvements, Winona.....	5,944 48
Yard Improvements, Savanna.....	7,460 99
Yard Improvements, North Milwaukee.....	4,100 17
Yard Improvements, Sundry Points.....	20,654 67
Widening Embankments, Ballasting, etc.....	103,068 83
New Side Tracks, Sundry Points.....	124,999 81
Miscellaneous Improvements.....	482,059 18
<b>Total.....</b>	<b>\$2,834,551 09</b>

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**MATERIAL AND FUEL ON HAND.**

Coal.....	76,549 Tons,	\$149,504 15
Wood.....	29,479 Cords,	73,516 36
Ties.....	550,945 Number,	217,204 50
New Steel Rails.....	972 Tons,	32,732 55
Old Steel Rails.....	7,621 Tons,	185,626 48
Old Iron Rails.....	12,299 Tons,	261,542 41
Oil.....	134,909 Gallons,	30,837 57
Waste.....	111,609 Pounds,	8,021 69
Splices, Bolts and Spikes.....	3,457,243 Pounds,	64,969 78
Iron (worked and unworked)...	6,742,313 Pounds,	129,156 05
Copper and Brass.....	486,686 Pounds,	60,933 29
Lumber and Timber.....	17,450,886 Feet,	321,423 73
Piles.....	173,250 Feet,	21,036 72
Posts.....	101,074 Number,	12,609 33
Engine and Car Wheels.....	3,712 Number,	26,521 24
Engine and Car Wheels (on axles)	2,711 Pairs,	59,366 70
Engine and Car Axles.....	448,753 Pounds,	11,360 98
Tires.....	84,738 Pounds,	4,599 87
Steel and Steel Springs.....	555,884 Pounds,	33,291 08
Engine, Car and Road Castings.	4,554,888 Pounds,	100,191 31
Paints and Oils.....		12,805 00
Stationery Supplies.....		26,142 06
Other Supplies.....		362,556 19
Total Dec. 31st, 1888.....		<u>\$2,205,949 04</u>
Total Dec. 31st, 1887.....		<u>\$2,927,171 00</u>
Decrease.....		<u>\$721,221 96</u>

**TRANSPORTATION STATISTICS.**

Miles run by Passenger trains.....	7,058,417
Miles run by Freight trains.....	11,741,612
Miles run by Mixed trains.....	580,215
<b>Total miles run by trains earning revenue .....</b>	<b>19,380,244</b>
Miles run by Switching trains.....	4,680,065
Miles run by Construction and other trains.....	1,268,142
<b>Total miles run by trains.....</b>	<b>25,328,451</b>
Number of passengers carried.....	7,556,886
Number of passengers carried one mile.....	254,668,777
Average miles each passenger was carried.....	33.70
Revenue per passenger per mile.....	2.37 cts.
Revenue from passengers per train mile run.....	83.72 cts.
Number of tons of freight carried.....	7,776,381
Number of tons of freight carried one mile.....	1,690,228,661
Average miles each ton was carried.....	217.35
Received per ton per mile.....	1.006 cts.
Revenue from freight per train mile run.....	\$1.3959
Repairs of Locomotives per revenue train mile run.....	5.88 cts.
Repairs of Cars " " " " ".....	7.33 cts.
Station Service " " " " ".....	13.45 cts.
Train Service " " " " ".....	7.36 cts.
Locomotive Service " " " " ".....	9.30 cts.
Train and Station supplies " " " " ".....	2.69 cts.
Fuel " " " " ".....	12.39 cts.
Oil and Waste " " " " ".....	.85 cts.
All other expenses " " " " ".....	30.42 cts.
Total operating expenses " " " " ".....	89.67 cts.
Percentage of expenses (including taxes) to earnings....	69.88 %

## STATEMENT OF INCOME ACCOUNT.

Balance at credit January 1, 1888.....		\$4,074,998 68
Gross earnings for 1888.....	\$24,867,730 56	
Less operating expenses (including taxes).....	17,377,353 39	
Net earnings.....	7,490,377 17	
Income from other sources.....	218,173 91	
Net revenue for the year.....		7,708,551 08
Total.....		\$11,783,549 76
Interest accrued during the year 1888		
on Funded Debt.....	7,048,976 24	
Old accounts charged off.....	234,126 10	
Dividend No. 36 payable April 23, 1888,		
3½% on \$21,596,900, preferred stock...	755,891 50	
2½% on \$38,982,761, common stock....	974,569 02	
Dividend No. 37, payable Oct. 22, 1888,		
2½% on \$21,610,900, preferred stock...	540,272 50	
Total charges to Income Account.....		9,553,835 36
Balance at credit December 31, 1888. ...		\$2,229,714 40

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## GENERAL ACCOUNT, DECEMBER 31st, 1888.

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Cost of Road and Equipment.		\$180,452,974 35	Capital Stock, Preferred.....	\$21,610,900 00	
Bonds, Stock, etc., of other companies.....	\$3,671,172 74		"    "    Common.....	39,868,961 00	\$61,479,861 00
Balances due from Agents, Conductors, etc.....	271,744 08		Funded debt.....		118,984,000 00
Due from United States Government.....	269,467 11		Pay Rolls, Vouchers and Accounts.....	2,797,152 34	
Miscellaneous Accounts, "Current Balances".....	355,440 64		Dividends Unclaimed.....	61,250 67	
Stock of Material and Fuel on hand.....	2,205,949 04		Interest Coupons not presented.....	41,862 16	
Bills Receivable.....	12,200 00		Interest accrued, not yet payable.....	3,451,961 81	
Mortgage Bonds of the Company unsold and held in its Treasury.....	763,000,00		Loan Account, New York.....	1,550,000 00	7,902,226 98
Cash on Hand.....	2,593,854,42	10,142,828 03	Income Account.....		2,229,714 40
		\$190,595,802 38			\$190,595,802 38

RAILWAY COMPANY.

JAMES P. WHALING, *General Auditor.*

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