mer) before rolling is of great utility. The rails opening of the line Jan. 1, 1854: rerolled here now have an average life of five years Ave. No. Gross Tot -a good result considering weight of traffic. The coal consumed amounts to 1 1-5 tens to ton of rails turned out. For fish-plates tough scrap is used; wing rails and crossing points are steel-capped. The experiments with all-steel points (Vickers' cast-steel points and crossings) have not been satisfactory; they wear down altogether faster, the flang of the wheel crushing them. An improved fish plate is being introduced, which conforms to the shape of the rail, and passes underneath. Experiments have been made with a process for carbonizing the whole rail (Bainton's patent)-the rail being placed entire in the furnace, which is then closed for from 36 to 48 hours, according to the hardness required; the mass absorbs carbon from the gasses, on the well-understood cementing process by which blister-steel is made; it is then thoroughly hammered down in the bloom; and is then put into the furnace again and finally repolled, and the metal having a consistency under the rolls like that of lead. A few of these after 18 months' wear, remain in remarkably good condition, although manufactured under great dis-advantages. The process (on which there is an

English patent) is considered a cheap one. The freight business is in charge of two agents -the principal having charge of the American through business; the assistant devoting himself to local duties and station work. Two through fast freight lines run over the road--the noted "Blue Line," running on the Michigan Central and its connections; and the "Milwaukee Line" doing the through business of the D. & M. road and its connections. The Great Western Com-pany have just built 190 "Blue Line," cars, in-creasing their stock thereof to 320; and contem-

plate building 180 more, making a total of 500. The company has 100 fast freight "Milwaukee Line" cars. The operation of this line is similar to that of the "Blue Line," its interests and management being indent cal with that of the rail-way company. At Suspension, Bridge and Detroit, all personal through baggage is put into " Yans, and sent through without inspection under the seal of the United States and Canada Customs. Under this arrangement five minutes now suffices for doing what previously consumed half an bour.

The freight earnings for each year since 1860 have been as follows-the half years closing on the 31st July and the 31st of January, respectively:

1860	\$1,0\$2,493
1861	1,345,425
1862	1,654,849
1863	1,726,076
1864	1,698,653
1885	1,594,735
1866	1,625,697
1867	2,022,915
1868	2,148,629
1869 (6 months)	1,105,868

The total of tons of freight forwarded during three years has been: 1867, 462,158; 1868, 507,-1081: 1869, 647,8174.

The following were the tons forwarded from the principal'stations:

	1867.	1868.	1869.	
Suspension Bridge	103,000	109,551	125,655	
Hamilton	21,434	23,975	26,134	
Toronto.	13,494	13,742	17,917	l
Guelph	20,413	14,770	-9,875	
Paris	16,045	13,941	14,110	
Ingersoll	20,379	19,313	19,394	
London!	22,895	21,938	22,182	
Petrolia	15,278	25,540	23,112	
Windsor	93,691	153,706	270,702	

The total number of barrels of oil shipped from Petrolia Station from January 1, 1867. to November 5, 1869, was 337,244.

The following is a comparative statement 01

The conclusion is that forging (under 5 ton ham- receipts and expenditure each half year, from the

τ.	L O		-	
\$	Av. No	Gross T	ot. work.g	Eq.p.c
ę.	Half year ending miles open	, receipts,	expenses. o	n e'gs.
\$.	July 31 (7 mo's), 1854 229	\$600,422	\$269,241	44.83
	January 31, 1855	782,144	409,824	52.39
	July 31 1855	908,774	516,442	51.71
	January 31, 1856	1,327,047	756,500	\$7.00
0	July 31, 1856	1,423,004	838,930	\$8.96
2	January 31, 1857	1,575,522	800,466	50.80
	July 31, 1857 283	1,296,627	767,878	\$9.22
1	January 31, 1858	1,248,529	688,422	54.83
1	July 31, 1858 279	1,039,774	625,663	60 17
>	January 31, 1859	1,026,786	584,628	56.93
H	July 31, 1859	883,184	685,588	66.30
	January 31, 1860	1,009,848	609,718	60.37
1	July 31, 1860	946,589	556,069	\$9.75
	Japuary 31, 1861	1,330,410	590,845	48.02
	July 31, 1861,	1,018,673	630,799	61.92
	January 31, 1862	1,294,298	610,401	47.10
	July 31, 1862	1,198,314	628,049	52.41
	January 31, 1863	1,505,283	662,838	44.03
	July 31, 1863	1,426,261	663,181	46.50
1	January 31, 1864	1,467,954	661,277	45.05
	July 31, 1864 331	1,532,708	682,251	44.51
	January 31, 1865	1,521,950	668,861	43.95
1	July 31, 1865	1,384,885	644,768	46.56
1	January 31, 1866	1,883,591	715,099	\$7,97
1	July 31, 1866	1,670,057	731,976	43.83
	January 31, 1897	1,613,365	810,944	59.26
	July 31, 1867	1,779,760	\$89,473	49.90
1	January 31, 1338	1,950,622	942,511	48.34
1	July 31, 1863	1,735,003	1,01,4514	58.45
1	January 31, 1869	2,060,117	1,020,795	49,55

Half year Gross an't Div. pe Tr'n m's Ôr'y Tot. capi 1 ending, net rev'e. per an. run. w'k'g ex. expen, -ending net rev'c. p July 31, 7 m's, 754, S331 181 January 31, 1855... 874, 1*2 July 31, 1855... 874, 1*2 July 31, 1855... 492, 792 July 31, 1856... 715, 748 January 31, 1857... 547, 049 January 34, 1857... 547, 049 January 34, 1858... 836, 226 July 31, 1855... 458, 943 January 31, 1859... 313, 899 January 31, 1859... 313, 899 p.c \$235,193 \$1.12 \$11,628.02 $\begin{array}{c} & 8235, 193 \,\, \$1.12 \,\, \$11, 628, 629 \\ & 272, 686 \,\, \$1.08 \,\, 13, 242, 861 \\ & 413, 002 \,\, 114 \,\,\, 414, 55, 894 \\ & 519, 611 \,\,\, 1.20 \,\,\, 15, 486, 276 \\ & 603, 901 \,\,\, 9.28 \,\,\, 18, 234, 054 \\ & 617, 704 \,\,\, 1.24 \,\,\, 19, 087, 761 \\ & 597, 450 \,\,\, 1.21 \,\,\, 19, 436, 634 \\ & 597, 309 \,\,\, 1.09 \,\,\, 20, 168, 948 \\ & 533, 890 \,\,\, 1.10 \,\,\, 19, 918, 246 \\ & 518, 853 \,\,\, 106 \,\,\, 22, 189, 347 \end{array}$ 482,792 8 482,792 8 579,250 8 715,748 8 807,277 9 547,049 6 836,226 5 458,943 4 460,087 3 20,168,948 19,913,246 22,189,342 22,212,445
 Jatiy 31, 1859...
 400,037
 5

 July 31, 1859...
 313,899
 nil

 Jannary 31, 1850...
 439,880
 nil

 July 31, 1860...
 506'891
 nil

 July 31, 1861...
 784,023
 5

 July 31, 1861...
 784,023
 5

 July 31, 1851...
 464,722
 nil

 Jannary 31, 1862...
 773,812
 3

 July 31, 1832....
 638,663
 1

 January 31, 1862...
 779,376
 nil

 January 31, 1863....
 779,376
 nil

 January 31, 1865...
 855,606
 2

 July 31, 1865...
 779,376
 nil

 January 31, 1865...
 870,554
 nil

 January 31, 1865...
 817,731
 2

 July 31, 1866....
 817,731
 2

 July 31, 1866...
 99,615
 5
313,899 nil. 439,880 nil. 506'891 nil. 22,269,484 22,395,288 99 90 87 638 865 22,628,82 94 82 85 633,252 700,664 22,648,677 22,799,856 22,838,101 22,898,575 hil. 696,818 855,606 21 779,376 nil. 845,391 14 870,554 nil. 732,703 86 88 23,295,714 91 23,398,19 87 23,476,821 711,052 678,701 742,128 629,116 1.01 598,624 1.02 712,188 95 704,951 98 23,565,306 23,697,585 23,855.881 January 31, 1500...1,154,071 b July 31, 1856..... 991,615 b January 31, 1867.... 815,311 b July 31, 1867..... 896,553 4 January 31, 1868..1,016,294 4 24,126,83 688 117 1.12 24,757,43 824,484 1.03 24,773,922 828,476 1.09 24,877,454 847,279 1.15 24,978,622 July 31, 1868, 734,442 2 January 31, 1869. 1,044,818-5 937,825 1.04 25,005,434

"Ordinary working expenses equal to per train mile.

REAT WESTERN RAILWAY		x
Passengers	23,717	78
Freight and Live Stock	38,739	04
Mails and Sundries	2,987	17
Total Receipts for week	\$65,443	99
Coresponding week, 1868	75,831	60

Decrease. \$10,387 61

MIDLAND RAILWAY OF CANADA. -The annual meeting of the shareholders of this Company took place in Port Hope, on the 17th January, when the following gentlemen were elected office-bearers for the ensuing year: -- President, H. Covert, Esq. Vice-President, Wm. Cluxton, Esq.; Secretary and Treasurer, Joseph Gray, Esq., Gen. Supt., A. T. H. Williams, Esq.; Engineer, A. T. Stewart, Esq.; Directors:-Hon. Sidney Smith, D. E. Boulton, Esq., and Lewis Moffatt, Esq. The report of the business of the road for the past year, presented by the General Superintendent was received with the utmost satisfaction. The Report shews the Company to be in an exceedingly prosperous condition, and this we believe is, in a great measure due to the energetic management of Mr. Williams, aided by his efficient assistants.

RAILROADS VS.- STEAMBOATS .- Mr. Potter, President of the Grand Trunk Railroad Company, estimates the yearly growth of the railroad traffic in Upper Canada at from 10 to 20 per cent., and says there is a tendency throughout our whole system for "the traffic more and more to seek the railroad and leave the water. Passenger boats on the St. Lawrence and the Lakes have ceased to pay, and no more are being built." Mr. Potter says it is no use to compare the Grand Trunk with the leading railroads of England, but that it is in as good condition as the railroads in the Western States, or other lines in Canada, but not equal to the New York Central or Pennsylvania Central, He advises the laying down of 5,000 tons of steel rails in 1870, and 9,000 or 10,000 tons more of iron rails, from the rolling mills of Portland, Detroit and Toronto. He also advises the expenditure of \$1,500,000 the present year on the permanent way. \$100,000 has just been received in Montreal to be expended on freight cars, 800 being in process of construction.

THE NORFOLK RAILWAY .--- The Norfolk Railway Company was organized at Simcoe on the Isth, by the election of Mr. H. S. Howland, President; Mr. Noah Barnhart, Vice-President; and Messrs. John Fisken, John Shedden, and George Laidlaw, Directors. Mr. Thomas Lailey was appointed Treasurer; Mr. George Laidlaw, Managing Director; Mr. Adam Crooks, Counsel; Mr. Thomas Moss, Solicitor, and Mr. John Conlin, Secretary of the Company.

Insurance.

FIRE RECORD. - Halifax, Jan. 18. - An obliging correspondent sends us full particulars of all the fires in Halifax and the vicinity, since the commencement of the present year. (Jan 1,)-A fire caught in a workshop, in the Royal Engineer's yard, and did only trifling damage; cause acci-dental. (Jan. 7.)—The confectionery store of Mr. O'Brien, on Buckingham street, was damaged to a trifling extent; some window decorations having caught fire. (Jan. 13.)—The Tobacconist's shop of M. Swain, on Water street, was set fire by a lighted match carlessly thrown among the cloth-ing; the damage was only trifling. On the same day, the Conservatory in the Governor, Sir C. H. Doyle's garden, was totally destroyed; no insur-ance; cause a defective "flue. (Jan. 15.)-The building owned by J. Lawlor, on Portland street, Portsmouth, east side of Halifax harbor, and occupied as a drug store, saddler's shop, and lodge room; was totally destroyed. The Masonie body had an insurance on the lodge furniture of \$500 in Liverpool and London and Globe; Mr. A. Corbin, had \$500 on the drug stock, in the same company, and \$1,500 in the Royal; the Lawlor estate had \$400 in the Royal, on the barn adjoin-ing. The cause of the fire is not yet ascertained.

Ingersoll, Ont., Jan. 16.—The barn and sheds belonging to Moses Tripp, bailiff, near Ingersoll, occupied by Peter Stuart, together with about \$600 worth of hay and grain, and a threshingmachine owned by the Messrs. Gamble, were de-stroyed by fire. The buildings were covered by insurance. Mr. Stuart's stock was insured fors \$500. The fire is supposed to be the work of an incendiary.

Peterboro', Jan. 25. -- Renfrew's stave factory, with all the machinery and material, was destroyed by fire last Sunday morning, a little before daylight. Loss \$2,000 ; insured in the Home and Commercial Union for \$1,500. Evidently the work of an incendiary, no fire having been in the building since New Year.

Elora, Jan. 24 .- Elora Mills have been burnt. It was noticed first about two o'clock on Sunday morning. The cause of the fire is supposed to be from middlings heating and igniting. The insu-rance on the mill, machinery and stock is \$16,000; loss about \$5,000.

St. Catharines, Jan. 24 .- Another incendiary fire occurred here on Sunday morning, by which