

Steam Railway Statistics for Year Ended June 30, 1913 (Continued from page 160).

Name of Railway	Proportion of total passenger service revenue to train earnings	Proportion of freight revenue plus switching revenue, &c., to total earnings	Revenue Train Mileage	Mileage of Non-Revenue Trains	Earnings per Train Mile	Passengers Carried	Passengers Carried One Mile	Passenger Earnings per Train Mile	Tons of Freight Carried	Tons of Freight Carried One Mile	Freight Earnings per Train Mile
St. Lawrence & Adirondack	39.94	59.34	342,445	8,070	1.99	656,322	14,983,927	1.27	1,046,271	38,967,540	3.15
St. Martins	42.19	55.51	17,640	.....	.82	10,463	204,136	.35	12,458	185,150	.46
Sydney and Louisburg	6.14	91.36	279,676	.....	2.92	156,599	1,767,477	1.17	4,911,053	69,382,774	2.91
Temiscouata	25.41	72.41	156,970	12,266	1.59	73,015	2,313,809	.44	187,553	8,131,193	2.18
Timiskaming and Northern Ont.	39.71	56.48	882,241	63,759	1.77	498,041	22,750,448	1.24	650,247	75,111,559	1.92
Thousand Islands	32.20	62.40	32,604	.....	1.41	51,496	308,976	.45	45,770	274,620	.88
Toronto, Hamilton & Buffalo	24.56	74.37	491,738	17,084	3.71	654,116	19,057,320	1.48	2,788,028	108,735,895	7.36
Vancouver, Victoria & Eastern	28.38	69.11	343,287	135,045	2.89	295,867	8,210,728	1.19	1,447,789	41,721,730	3.44
Victoria and Sidney	48.38	49.18	31,898	.....	2.47	123,599	1,347,529	1.76	45,282	620,317	3.61
Victoria Terminal Ry. & Ferry Co.	47.32	42.18	1,987	.....	3.36	118,899	117,710	2.34	43,732	43,295	4.26
Wabash (in Canada)	25.99	73.80	1,638,852	53,197	1.58	586,841	35,768,226	.92	2,019,027	438,916,279	2.08
Wellington Colliery Co.	5.74	94.26	30,000	.....	2.80	8,536	91,761	.16	278,542	2,947,435	2.64
York and Carleton	34.80	65.20	8,597	.....	.68	6,156	61,560	.23	13,018	130,180	.44
	28.99	68.98	113,437,208	5,837,310	.....	46,185,968	3,265,192,886	.....	106,992,710	23,032,951,596	.....

Birthdays of Transportation Men in April.

Many happy returns of the day to:—
 F. G. Adams, Division Freight Agent, Grand Trunk Pacific Ry., Edmonton, Alta., born at St. John's, Nfld., Apr. 6, 1878.
 W. H. Ardley, General Auditor, G. T. R., Montreal, born at London, Eng., Apr. 24, 1858.
 Jas. Black, Freight Claim Agent, C. P. R., Vancouver, B. C., born near Seaforth, Ont., Apr. 19, 1858.
 C. G. Bowker, General Superintendent, Eastern Lines, G. T. R., Montreal, born at Medford, N. J., Apr. 21, 1871.
 S. P. Brown, M. Am. Soc. C. E., M. Am. Soc. M. E., Chief Engineer, Mount Royal Tunnel and Terminal Co., Montreal, born at Dover, Me., Apr. 29, 1877.
 W. J. Camp, Assistant Manager Telegraphs, C. P. R., Montreal, born at Oakville, Ont., Apr. 22, 1855.
 G. Cobb, Superintendent, Reid Newfoundland Co., St. John's, Nfld., born at Coupang Angus, Scotland, Apr. 21, 1885.
 A. V. Collins, Canada Steamship Lines, Ltd., Toronto, born at Island Pond, Vt., Apr. 21, 1868.
 J. E. Crossley, Travelling Passenger Agent, G. T. R., Montreal, born at Keighley, Eng., Apr. 14, 1879.
 W. A. Duff, A. M. Can. Soc. C. E., Engineer of Bridges, Intercolonial Ry., Moncton, N. B., born at Hamilton, Ont., Apr. 20, 1877.
 A. E. Edmonds, District Passenger Agent, C. P. R., Detroit, Mich., born at Woodstock, Ont., Apr. 8, 1866.
 B. C. Gesner, Moncton, N. B., formerly Air Brake Inspector, I. R. C., now Eastern Sales Agent, Galena Signal Oil Co., born at Cornwallis, N. S., April 23, 1850.
 J. Murray Gibbon, General Publicity Agent, C. P. R., Montreal, born at Udewella, Ceylon, Apr. 12, 1875.
 V. A. Harshaw, Superintendent, District 1, Atlantic Division, C. P. R., Brownville, Me., born at Mono, Ont., Apr. 26, 1865.
 A. Hatton, Superintendent of Car Service, Western Lines, C. P. R., Winnipeg, born at London, Eng., Apr. 12, 1869.
 J. M. Horn, District Freight Agent, Canadian Northern Ry., Edmonton, Alta., born at Allanton Mills, Lanarkshire, Scotland, Apr. 12, 1880.
 B. S. Jenkins, ex General Superintendent, C. P. R. Telegraphs, Winnipeg, born Apr. 8, 1859.
 J. H. Johnston, Superintendent of Bridges and Buildings, Eastern Lines, G. T. R., Mont-

real, born at Uxbridge, Ont., Apr. 22, 1860.

J. Kyle, Master Mechanic, Western Division, Canadian Northern Ry., Edmonton, Alta., born at Toronto, Apr. 11, 1877.

D. McNicoll, Vice President, C. P. R., Montreal, born at Arbroath, Scotland, Apr. 7, 1852.

P. Mooney, General Freight and Passenger Agent, Halifax and South Western Ry., Halifax, N. S., born at St. Catherines, Que., April 19, 1871.

J. O. Norrie, Travelling Passenger Agent, Cunard Steamship Co., Winnipeg, born at Belfast, Ireland, Apr. 20, 1879.

G. D. Perry, General Manager, Great North Western Telegraph Co., Toronto, born at Whitby, Ont., April 19, 1858.

R. A. Pyne, Superintendent of Shops, C. P. R., Winnipeg, born at Toronto, April 10, 1874.

R. S. Richardson, Assistant Superintendent, Intercolonial Ry., Moncton, N. B., born at Napanee, Ont., April 9, 1865.

F. Rioux, Assistant to President, Reid Newfoundland Co., St. John's, Nfld., born at Trois Pistoles, Que., Apr. 18, 1867.

W. A. Ritchie, District Superintendent, Pullman Co., Montreal, born at Edinburgh, Scotland, Apr. 13, 1854.

E. W. Smith, Superintendent, Dining and Parlor Car Service, G. T. R., Toronto, born at North Bridge, Mass., Apr. 21, 1869.

W. S. Tilston, Chief of Montreal Board of Trade Transportation Bureau, born at Manchester, Eng., Apr. 14, 1877.

W. Wainwright, Vice President, G. T. R., and G. T. P. R., Montreal, born at Manchester, Eng., Apr. 30, 1840.

W. Woollatt, Walkerville, Ont., ex-General Superintendent, Buffalo Division, Pere Marquette Rd., born at Weedon, Hertfordshire, Eng., Apr. 2, 1855.

H. J. White, General Car Foreman, Canadian Northern Quebec Ry., and Quebec and Lake St. John Ry., Joliette, Que., born at Brownington, Vt., Apr. 1, 1871.

For gas coal, a smaller grate than normal may be used, but it is better practice a sufficient volume of forebox for proper portion of the front end in order to obtain combustion because nearly all large modern locomotives are deficient in firebox volume.

The most desirable proportion of boiler capacity to aim for is 100%, but if it is to use the larger grate, and brick off a in excess of this, it is optional whether the cylinder proportions should not be increased and the factor of adhesion reduced, provided there is sufficient weight on the drivers.

Regulations Regarding Conduct of Government Railways Employees.

An order in council has been passed respecting the general conduct of those engaged on the Canadian Government Railways, as follows:—

To enter or remain in the service is an assurance of willingness to obey the rules; Obedience to the rules is essential to the safety of passengers and employees, and to the protection of property;

The service demands the faithful, intelligent and courteous discharge of duty;

To obtain promotion, capacity must be shown for greater responsibility;

Employees in accepting employment assume its risks;

The use of intoxicants by employees while on duty is prohibited; the use or the frequenting of places where intoxicants are sold is sufficient cause for dismissal;

The use of tobacco by employees while on duty in or about passenger stations, or on passenger cars, is prohibited;

Employees must always be vigilant to protect, and must promptly report anything detrimental to, the railways' interest.

Railways in Alaska.—The United States Senate has passed an act authorizing the President to arrange for the building of 1,000 miles of railway in Alaska at a cost not exceeding \$40,000,000. The railway is to be from tidewater to the interior of Alaska. In deciding upon the route the President may arrange for the purchase of any existing line, or of any line partially constructed, and is authorized to utilize in the building of the line any of the plant recently used on the Panama Canal. The suggestion is that a line be built from Seward or other point right across Alaska to the Yukon River near Dawson, and that the partially constructed line of the Alaska Central Ry., which the Sovereign Bank, Toronto, now in liquidation, was interested in as the principal bondholder, should be acquired as part of the line.

Railway Lands Patented.—Letters patent were issued during January, covering railway lands in Manitoba, Saskatchewan, Alberta and British Columbia, as follows:—

	Acres.
Alberta Central Ry.	3,33
Calgary and Edmonton Ry.	2,233.27
Canadian Northern Ry.	2,303.13
Canadian Pacific Ry.	160.00
Grand Trunk Pacific Branch Lines Co. ..	27.96
Qu'Appelle, Long Lake and Saskatchewan Rd. and Steamboat Co.	2,569.93

Total 7,297.622