

Papers.] CUNNINGHAM ON ENERGY OF FUEL IN LOCOMOTIVES.

	1-13	1-10	1-10	1-31	1-75	1-16
Pounds of coal consumed per ton moved 1 mile	1-86	1-61	1-45	1-31	1-75	1-16
per passenger moved	89,198	204,910	219,893	54,800 ¹	59,407 ¹	399,483
Tons of coal apporportioned to freight service						
Pounds of coal consumed per freight train-mile	100-49	111-17	120-20	116-83	121-77	106-78
Pounds of coal consumed per freight car-mile	3-13	4-64	4-97	6-97	7-04	2-81
Pounds of coal consumed per ton of freight moved 1 mile	0-367	0-57	0-60	0-98	0-99	0-43
Pounds of coal consumed per ton of gross weight ²	0-168	0-25	0-27	0-40	0-41	0-17
Average miles run by engines per ton of coal	25-46	27-47	25-30	..	25-95	27-04
Total expenses (exclude renewals and taxes) \$	2,550,223-11	..	..	1,223,421-97	1,304,590-08	..
Passenger " (exclusive ") \$	584,148-13	..	..	414,150-20	439,295-75	..
" " per train-mile . . . \$	0-59-17	..	..	1-01	1-07	0-92-29
" " per car-mile . . . cents	13-92	..	..	18-9	19-6	14-65
Freight " \$	1,966,074-98	..	..	809,271-77	865,294-33	..
" " per train-mile . . . \$	1-1075	..	..	0-863	0-887	1-0767
" " per car-mile . . . cents	3-45	..	..	5-15	5-13	2-84
Average " of tons of freight moved	0-40	..	..	0-72	0-72	0-43
1 mile cents						
Coal consumed in freight shunting alone, tons	9,025	22,698	20,945	..	6,122	35,282
" " by freight-trains alone . tons	80,173	182,212	198,948	..	53,285	364,271
" " per freight train-mile . lbs.	90-32	98-8	108-7	..	109-23	97-36
" " per freight car-mile . lbs.	2-81	4-12	4-5	..	6-32	2-57
" " per ton of freight moved } lbs.	0-32	0-50	0-54	..	0-88	0-39
Coal consumed per gross ton moved } lbs.	0-15	0-23	0-24	..	0-37	0-155
1 ton ²						

¹ These quantities are found from the value of fuel apporportioned to the passenger and freight traffic in the Annual Report.
² The weight of the cars is assumed at 10 tons each.