

CHICAGO AND NORTHWESTERN RAILWAY—COMPARATIVE LOCOMOTIVE TESTS

CHICAGO-MILWAUKEE-CHICAGO. CLASS D. ENG. 128, SUPERHEATER, PULVERIZED COAL BURNER, WALSCHAERT VALVE GEAR

KENTUCKY COAL

Date, 1916.	Time, hours		Avg. temp. atmo.	Tonnage		Mileage		Total mile- age	Coal used, tons	Coal used, pounds		Water used, gallons	Water used, pounds		Pounds of water evapo- rated per lb of coal	Average draw-bar pull, pounds	Work done, horse- power, per hr.	Number of cars	
	Elapsed	Running		Chicago- Milwaukee- Chicago	Milwaukee- Chicago	Chicago- Milwaukee- Chicago	Milwaukee- Chicago			Per hour	Per horse- power per hour		Per hour	Per horse- power per hour				Chicago- Milwaukee- Chicago	Milwaukee- Chicago
Mar. 21...	4-0916	3-8874	40-5	355	252	84-72	86-07	170-79	3-984311	2,049-859	6-307	8,787-5	18,830-034	57-934	9-186	2,770-811	325-628	7	5
Mar. 30...	3-9625	3-8500	47-4	303	252	84-69	86-00	170-69	3-646490	1,894-281	6-034	7,975-0	17,255-000	54-967	9-108	2,651-891	313-916	6	5
Average...	4-0276	3-8687	43-9	329	252	84-75	86-04	170-74	3-81540	1,972-446	6-173	8,381-25	18,046-324	56-834	9493-149	2,711-351	319-497	6-5	5

CLASS D. ENG. 127, SUPERHEATER, HAND FIRED, WALSCHAERT VALVE GEAR, KINGAN & RIPKEN ATTACHMENT

CHICAGO-MILWAUKEE-CHICAGO

ILLINOIS LUMP COAL

Mar. 23...	3-9625	3-7750	35-2	355	252	84-78	86-08	170-86	5-5900	2,961-589	9-039	8,175-0	18,039-139	55-055	6-091	2,711-351	327-657	7	5
Mar. 24...	3-9583	3-8792	48-8	355	252	85-18	86-07	171-25	4-7875	2,468-292	7-723	7,350-0	15,783-022	49-386	6-394	2,711-351	319-584	7	5
Average...	3-9604	3-8271	42-0	355	252	84-98	86-08	171-06	5-18875	2,711-583	8-380	7,762-5	16,895-724	52-215	6-230	2,711-351	323-575	7	5

CLASS D. ENG. 127, SUPERHEATER, HAND FIRED, WALSCHAERT VALVE GEAR, KINGAN & RIPKEN ATTACHMENT

CHICAGO-MILWAUKEE-CHICAGO

KENTUCKY LUMP COAL

Mar. 29...	3-9833	3-8625	43-9	303	252	84-77	86-13	170-90	3-6315	1,880-388	6-168	7,062-5	15,231-229	49-962	8-100	2,530-540	304-856	6	5
Mar. 31...	4-2083	4-0750	59-6	303	252	84-68	85-92	170-60	3-9340	1,930-798	6-983	7,637-5	15,612-362	56-466	8-085	2,478-514	276-488	6	5
Average...	4-0958	3-9688	51-7	303	252	84-72	86-03	170-75	3-78275	1,906-243	6-567	7,350-0	15,426-703	53-144	8-092	2,527-027	290-283	6	5