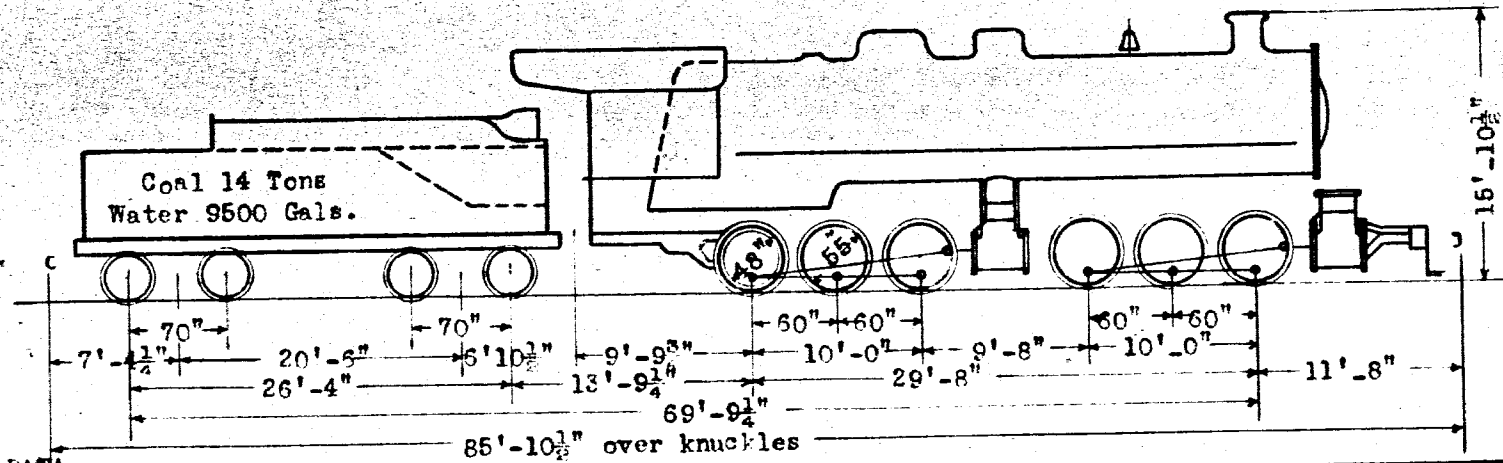


Engine No. 951
Class M1

GENL. DATA

1. Cylinders, dia. x stroke	23" & 35" x 32"	29. Heating surface, tubes	sq. ft. 5384
2. Valve gear	Walschaert	30. " " firebox	" " 225
3. Valves, size & kind	D-Slide	31. " " total	" " 5609
4. " maximum travel	H.P. 6 1/2" L.P. 6 1/2"	32. " " superheater	" " None
5. " steam lap	1" 7/8"	33. " " equivalent total	" " None
6. " exhaust clearance	Line 3/8"	34. Grates, length x width	117" x 96"
7. " lead in full gear	1/2" 3/8"	35. " area	sq. ft. 78
8. " cut off in full gear	86.9% 89.4%	36. Brick arch, type	None
9. Rated tractive power	74,124 lbs.	37. Arch tubes O.D., G., Fin. Lgth. over Bd.	None
10. Ratio of Adhesion (Wt. on Drivers ÷ Trac. Power)	4.72	38. Stoker, type	None
11. Sharpest curve	22 Deg.	AIR BRAKE	
WEIGHT	Light H.P. Wk. Order L.P. Wk. Order	39. Schedule W.A.B. 6-ET, WX2, 1410, Type-Front 21-B, Back 21C	
12. Leading truck	None	40. Brake Power	55% 193,800 lbs.
13. Driver, first	52,400 61,400	41. Pumps	2 - 9 1/2"
14. " second	58,600 57,800	AXLES	
15. " third	70,100 49,700	42. Leading truck	Journal Dia. x Lgth. None
16. " fourth	None None	43. Driving, main	" " "10" x 12"
17. " total	350,000	44. " other than main	" " "10" x 12"
18. Trailing truck	None	45. Trailing truck	None
19. Total engine	315,500 350,000	TENDER	
20. Tender, front truck	83,100	46. Frame	Structural
21. " back	83,100	47. Draft gear	Farlow 3-key
22. " total	59,100 156,200	48. Brake schedule	W.A.B. 6-ET, 1412, Type "L"
23. Total engine & tender	374,600 516,200	49. Brake power	81% 48,000 lbs.
BOILER		50. Truck, type	Arch bar
24. Working pressure, maximum	200 lbs.	51. Axles	A.R.A. 6" x 11"
25. Firebox, length x width	117" x 96"	52. Wheels	Steel 33"
26. Tubes, No., O.D., & Gauge	437-2 1/4"-11-B.W.G.	53. Maximum width over cylinders	10' 6 1/2"
27. Flues, No., O.D., & Gauge	None	54. " " " running boards, at cab	10' 6"
28. Tubes & Flues, length (in to in of tube sheets)	251"		