



GENL. DATA

1. Cylinders, dia. x stroke	25" x 30"	29. Heating surface, tubes	sq. ft. 2659
2. Valve gear	Walschaert	30. " " firebox	" " 174
3. Valves, size & kind	14" Piston	31. " " total	" " 3033
4. " maximum travel	5 1/2"	32. " " superheater	" " None
5. " steam lap	1"	33. " " equivalent total	" " None
6. " exhaust clearance	Line	34. Grates, length x width	108" x 70"
7. " lead in full gear	5/16"	35. " area	sq. ft. 52.5
8. " cut off in full gear	82.8%	36. brick arch, type	None
9. Rated tractive power	55,900 lbs.	37. Arch tubes O.D., G., Fin. Lgth. over Bd.	None
10. Ratio of Adhesion (Wt. on drivers ÷ Trac. Power)	3.77	38. Stoker, type	None
11. Sharpest curve	22 Deg.	AIR BRAKE	
WEIGHT		39. Schedule	W.A.B. 6-ET, MNS, 1412, Type 42-B
12. Leading truck	Light Wk. Order	40. Brake power	52% 109,200 lbs.
13. Driver, first	55,500	41. Pumps	2 - 9 1/2"
14. " second	56,100	AXLES	
15. " third	51,100	42. Leading truck	Journal Dia. x Lgth. None
16. " fourth	48,000	43. Driving, main	" " " 10" x 12"
17. " total	210,700	44. " other than main	" " " 9" x 12"
18. Trailing truck	None	45. Trailing truck	" " " None
19. Total engine	192,500 210,700	TENDER	
20. Tender, front truck	68,300	46. Frame	Structural Steel
21. " back	68,300	47. Draft gear	Farlow 3-key
22. " total	54,300 136,600	48. Brake schedule	W.A.B. 6-ET, 1212, Type "1"
23. Total engine & tender	246,800 347,300	49. Brake power	83% 45,200 lbs.
BOILER		50. Truck, type	Arch bar
24. Working pressure, maximum	200 lbs.	51. Axles	A.R.A. 5 1/2" x 10"
25. Firebox, length x width	108" x 70"	52. Wheels	Steel 33"
26. Tubes, No., O.D., & Gauge	329-2 1/4"-11-B.W.G.	53. Maximum width over cylinders	10' 0 1/2"
27. Flues, No., O.D., & Gauge	None	54. " " " running board, at cab	10' 2"
28. Tubes & Flues, length (in to in of tube sheets)	177"		