



GENL. DATA

1. Cylinders, dia. x stroke	25" x 30"	29. Heating surface, tubes & flues	sq.ft. 2984
2. Valve gear	Walschaert	30. " " firebox & syphons	" " 295
3. Valves, size & kind	14" Piston	31. " " total	" " 3227
4. " maximum travel	6 1/2"	32. " " superheater	" " 658
5. " steam lap	1-1/16"	33. " " equivalent total	" " 4214
6. " exhaust clearance	1/16" lap	34. Grates, length x width	111" x 80 1/2"
7. " lead in full gear	1/8"	35. " area	sq.ft. 61.8
8. " cut off in full gear	33%	36. Brick arch, type	Security
9. Rated tractive power	53,125 lbs.	37. Arch tubes	None
10. Ratio of Adhesion (Wt. on Drivers - Trac. Power)	4.07	38. Stoker, type	None
11. Sharpest curve	22 Deg.	AIR BRAKE	
WEIGHT	Light Wk. Order	39. Schedule	W.A.B. 6-ET, WH 3, 1412, Type 42-B
12. Leading truck	27,000	40. Brake power	59% 120,100 lbs.
13. Driver, first	51,700	41. Pumps	1 - 8 1/2" CC
14. " second	52,200	AXLES	
15. " third	58,700	42. Leading truck	Journal Dia. x Lgth. 6" x 12"
16. " fourth	53,400	43. Driving, main	" " " 10 1/2" x 12"
17. " total	216,000	44. Driving, other than main	" " " 9" x 12"
18. Trailing truck	None	45. Trailing truck	" " " None
19. Total engine	214,400 243,000	TENDER	
20. Tender, front truck	87,600	46. Frame	Structural Steel
21. " back	87,600	47. Draft gear	Farlow 3-key
22. " total	68,000 175,200	48. Brake schedule	W.A.B. 6-ET, 1412, Type "1"
23. Total engine & tender	282,400 418,200	49. Brake power	91% 61,600 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	111" x 80 1/2"	52. Wheels	Steel 33"
26. Tubes, No., O.D., & Gauge	239-2 1/2"-11-B.W.G.	53. Maximum width over cylinders	10' 3"
27. Flues, No., O.D., & Gauge	36-5 1/2"-9-B.W.G.	54. " " " running boards, at cab	10' 3"
28. Tubes & Flues, length (in to in of tube sheets)	190-7/8"		