



GENL. DATA

1. Cylinders, dia. x stroke	21" x 26"	29. Heating surface, tubes	sq.ft. 1848
2. Valve gear	Stephenson	30. " " firebox	" " 159
3. Valves, size & kind	D-Slide	31. " " total	" " 2007
4. " maximum travel	5 1/2"	32. " " superheater	" " None
5. " steam lap	3/4"	33. " " equivalent total	" " None
6. " exhaust clearance	Line	34. Grates, length x width	112" x 42 1/2"
7. " lead in full gear	1/8"	35. " area	sq.ft. 33.1
8. " out off in full gear	92.3%	36. Brick arch, type	None
9. Rated tractive power	34,110 lbs.	37. Arch tubes O.D., Ga., Fin. Lgth. over Bd.	None
10. Ratio of Adhesion (Wt. on Drivers ÷ Trac. Power)	3.66	38. Stoker, type	None
11. Sharpest curve	22 Deg.	AIR BRAKE	
WEIGHT	Light	39. Schedule	W.A.B. A1, WN1, 1410, Type 21-B
12. Leading truck	15,000	40. Brake Power	75% 94,000 lbs.
13. Driver, first	29,900	41. Pumps	2 - 9 1/2"
14. " second	29,900	AXLES	
15. " third	33,100	42. Leading truck	Journal Dia. x Lgth. 6" x 10"
16. " fourth	32,100	43. Driving, main	" " " 8" x 8 1/2"
17. " total	125,000	44. " other than main	" " " 8" x 8 1/2"
18. Trailing truck	None	45. Trailing truck	" " " None
19. Total engine	127,900 140,000	TENDER	
20. Tender, front truck	45,800	46. Frame	Wood
21. " back	45,800	47. Draft gear	Swivel Coupler
22. " total	40,300 91,600	48. Brake schedule	W.A.B. FL-1012, Type "L"
23. Total engine & tender	168,200 231,600	49. Brake power	70% 28,400 lbs.
BOILER		50. Truck, type	Arch Bar
24. Working pressure, maximum	175 lbs.	51. Axles	A.R.A. 4 1/2" x 8"
25. Firebox, length x width	112" x 42 1/2"	52. Wheels	Cast Iron 33"
26. Tubes, No., O.D., & Gauge	236-2 1/2"-11-B.W.G.	53. Maximum width over cylinders	9' 2 1/2"
27. Flues, No., O.D., & Gauge	None	54. " " running boards, at cab	9' 7"
28. Tubes & Flues, length (in to in of tube sheets)	159 1/2"		