



GENL. DATA

1. Cylinders, dia. x stroke	22" x 28"	29. Heating surface, tubes	sq.ft. 2414
2. Valve gear	Stephenson	30. " " firebox	" " 200
3. Valves, size & kind	D-Slide	31. " " total	" " 2614
4. " maximum	6"	32. " " superheater	" " None
5. " steam lap	7/8"	33. " " equivalent total	" " None
6. " exhaust clearance	Line	34. Grates, length x width	125-5/8" x 42 1/2"
7. " lead in full gear	1/8"	35. " area	sq.ft. 37.1
8. " cut-off in full gear	90.4%	36. Brick arch, type	None
9. Rated tractive power	45,173 lbs.	37. Arch tubes O.D., Ga., Fin. Lgth. over Bd.	None
10. Ratio of Adhesion (Wt. on Drivers ÷ Trac. Power)	3.62	38. Stoker, type	None
11. Sharpest curve	22 Deg.	AIR BRAKE	
WEIGHT		39. Schedule	W.A.B. S.W.A. WK2, 1612, Type 47-B
12. Leading truck	Light 19,200	40. Brake power	76% 127,500 lbs.
13. Driver, first	38,600	41. Pumps	2 - 9 1/2"
14. " second	40,800	AXLES	
15. " third	42,000	42. Leading truck	Journal Dia. x Lgth. 6" x 12"
16. " fourth	42,100	43. Driving, main	" " 10" x 12"
17. " total	163,500	44. " other than main	" " 9" x 12"
18. Trailing truck	None	45. Trailing truck	None
19. Total engine	168,800 182,700	TENDER	
20. Tender, front truck	57,700	46. Frames	Structural Steel
21. " back	57,700	47. Draft gear	Miner Tandem
22. " total	45,400 115,400	48. Brake schedule	W.A.B. S.W.B. FL-1012, Type "L"
23. Total engine & tender	204,200 298,100	49. Brake power	96% 43,600 lbs.
BOILER		50. Truck, type	Arch Bar
24. Working pressure, maximum	200 lbs.	51. Axles	A.R.A. 5" x 9"
25. Firebox, length x width	125-5/8" x 42 1/2"	52. Wheels	Steel 33"
26. Tubes, No., O.D., & Gauge	298-2 1/4"-11-B.W.G.	53. Maximum width over cylinders	9' 5 1/2"
27. Flues, No., O.D., & Gauge	None	54. " " running boards, at cab	10' 3"
28. Tubes & Flues, length (in to in of tube sheets)	165"		