



GENL. DATA

1. Cylinders, dia. x stroke	21" x 26"	29. Heating surface, tubes	sq.ft. 1646
2. Valve gear	Stephenson	30. " " firebox	" " 159
3. Valves, size & kind	D-Slide	31. " " total	" " 1805
4. " maximum travel	6 1/4"	32. " " superheater	" " None
5. " steam lap	7/8"	33. " " equivalent total	" " None
6. " exhaust clearance	Line	34. Grates, length x width	108 1/2" x 42-3/8"
7. " lead in full gear	1/16"	35. " area	sq.ft. 31.8
8. " out off in full gear	88.8%	36. Brick arch, type	None
9. Rated tractive power	36,309 lbs.	37. Arch tubes O.D., Ga., Fin. Lgth. over Bd.	None
10. Ratio of Adhesion (Wt. on Drivers ÷ Trac. Power)	3.86	38. Stoker, type	None
11. Sharpest curve	22 Deg.	AIR BRAKE	
WEIGHT	Light	Wk. Order	
12. Leading truck	None	39. Schedule	W.A.B. A1, WM2, 1410, Type 21-B
13. Driver, first	47,200	40. Brake Power	75% 105,000 lbs.
14. " second	45,800	41. Pumps	1 - 9 1/2"
15. " third	47,000	AXLES	
16. " fourth	None	42. Leading truck	Journal Dia. x Lgth. None
17. " total	140,000	43. Driving, main	" " " 9" x 12"
18. Trailing truck	None	44. Driving, other than main	" " " 9" x 12"
19. Total engine	123,900	45. Trailing truck	None
20. Tender, front truck	49,700	TENDER	
21. " back	49,700	46. Frame	Structural
22. " total	45,000	47. Draft gear	Miner Tandem
23. Total engine & tender	168,900	48. Brake schedule	W.A.B. FL-1012, Type "L"
BOILER		49. Brake power	100% 45,000 lbs.
24. Working pressure, maximum	190 lbs.	50. Truck, type	Arch Bar
25. Firebox, length x width	108 1/2" x 42-3/8"	51. Axles	A.R.A. 5" x 9"
26. Tubes, No., O.D., & Gauge	262-2 1/2"-11-R.W.G.	52. Wheels	Steel 33"
27. Flues, No., O.D., & Gauge	None	53. Maximum width over cylinders	9' 6 1/2"
28. Tubes & Flues, length (in to in of tube sheets)	128"	54. " " " running boards, at cab	10' 1"