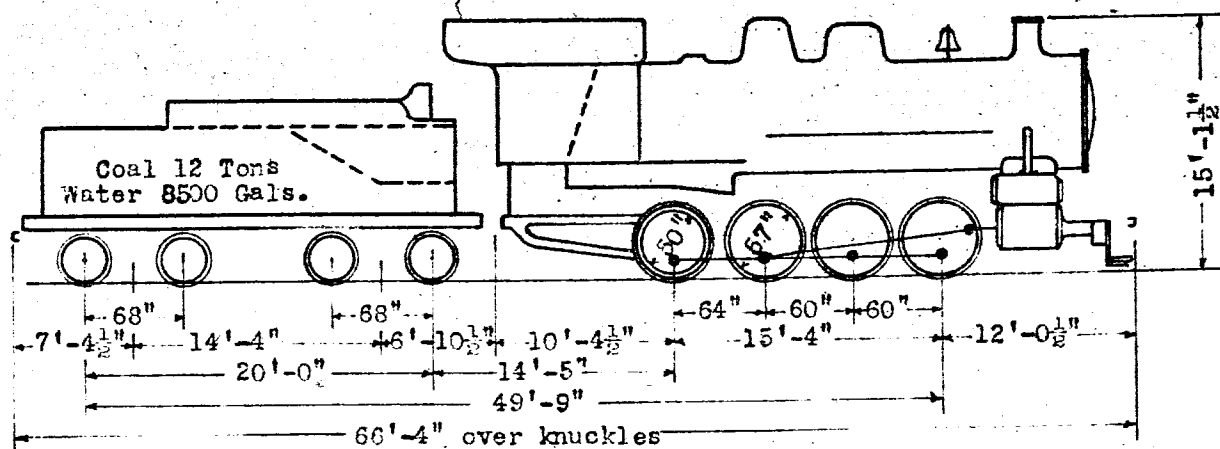


Engines No. 1053
Class C1-a

GENL. DATA

1. Cylinders, dia. x stroke	27" x 30"	29. Heating surface, tubes	sq. ft. 2859
2. Valve gear	Walschaert	30. " " firebox & arch tubes	" " 186
3. Valves, size & kind	14" Piston	31. " " total	" " 3045
4. " maximum travel	6 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	3/16"	35. " area	sq. ft. 52.6
8. " cut off in full gear	88.8%	36. Brick arch, type	Security 2-tube
9. Rated tractive power	65,200 lbs.	37. Arch tubes O.D., Ga., Fin. Lgth. over Bd. 3", 7 ENG 104-7/8"	None
10. Ratio of Adhesion (Wt. on Drivers ÷ Trac. Power)	3.39	38. Stoker, type	None
11. Sharpest curve	22 Deg.	AIR BRAKE	
WEIGHT	Light Wk. Order	39. Schedule	W.A.B. 6-ET, WN3, 1412, Type 42-B
12. Leading truck	None	40. Brake power	123,760 lbs.
13. Driver, first	56,500	41. Pumps	2 - 9 1/2"
14. " second	60,900	AXLES	
15. " third	51,800	42. Leading truck	Journal Dia. x Lgth. None
16. " fourth	51,800	43. Driving, main	" " " 10" x 12"
17. total	221,000	44. Driving, other than main	" " " 9" x 12"
18. Trailing truck	None	45. Trailing truck	" " " None
19. Total engines	202,800 221,000	TENDER	
20. Tender, front truck	77,200	46. Frame	Structural Steel
21. " back "	77,200	47. Draft gear	Miner Tandem
22. " total	59,560 154,400	48. Brake schedule	W.A.B. 6-ET, 1212, Type "L"
23. Total engine & tender	262,360 375,400	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 1/2", 11-B.W.G.	53. Minimum width over cylinders	10' 0 1/2"
27. Flues, No., O.D., & Gauge	None	54. " " " running boards, at cab	10' 2"
28. Tubes & Flues, length (in to in of tube sheets)	177"		