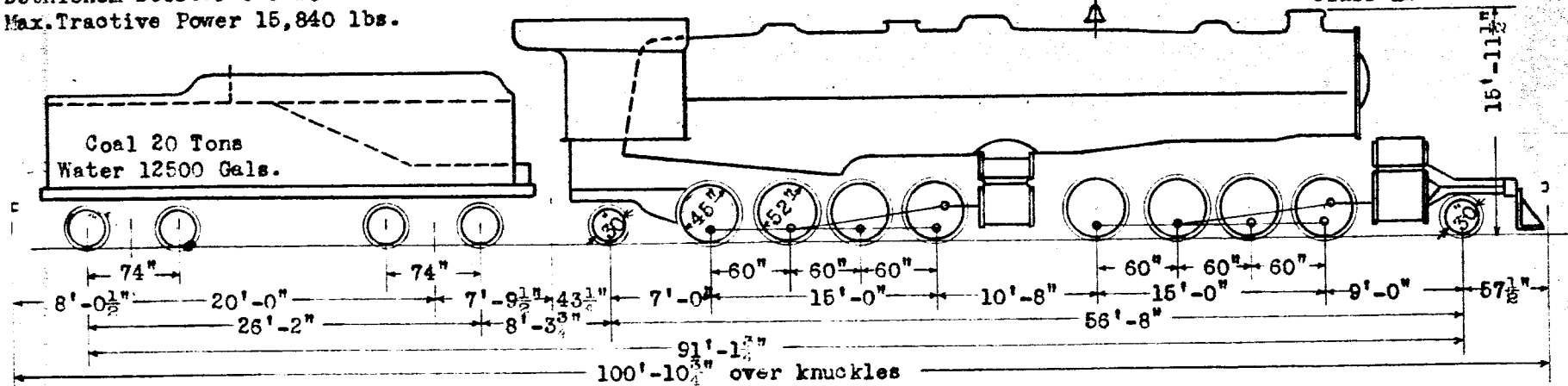


47a. Engine 923 equipped with
Bethlehem Booster 3-5-28
Max. Tractive Power 15,840 lbs.

Engines No. 917-929
Class L2



GENL. DATA

1. Cylinders, dia. x stroke	26" & 40" x 30"	28. Tubes & Flues, length (in to in of tube sheet)	286-7/8"
2. Valve gear	Walschaert	29. Heating surface, tubes & flues	sq. ft. 5232
3. Valves, size & kind HP 14" Piston, LP 14" Piston, D. Ported		30. " " firebox & arch tubes	" " 404
4. " max. travel	6 1/2"	31. " " total	" " 5636
5. " steam lap	15/16"	32. " " superheater	" " 1380
6. " exhaust clearance	1/4" clear	33. " " equivalent total	" " 7706
7. " lead in full gear	3/16"	34. Grates, length x width	150" x 96 1/2"
8. " cut-off in full gear	89.6%	35. " area	sq. ft. 100
9. Rated tractive power	compound 105,600 lbs. simple 126,700 "	36. Brick arch, type	Security 4-Tube
10. Ratio of Adhesion (wt. on Drivers ÷ Trac. Power)	4.36	37. Arch tubes, O.D. Ga. Fin. Lgth. over Bd.	3 1/2" - 7-B.W.G. - 158 1/2"
11. Sharpest curve	- 22 Deg.	38. Stoker, type	Duplex D1
WEIGHT	Light H.P. Wk. Order L.P. Wk. Order	39. Schedule	W.A.B.6-ET, BC, WZ3, 1410, Type 21-B
12. Leading truck		40. Brake power	50% 217,500 lbs.
13. Drivers, first	57,800	41. Pumps	2 - 8 1/2" C.C.
14. " second	59,100	AXLES	
15. " third	59,600	42. Leading truck	Journal Dia. x Lgth. 6" x 12"
16. " fourth	54,800	43. Driving, main	" " " 11" x 12"
17. " total	459,900	44. Driving, other than main	" " " 9" x 12"
18. Trailing truck	21,600	45. Trailing truck	" " " 6" x 12"
19. Total engine	450,800	TENDER	
20. Tender, front truck	43,900	46. Frame	Structural
21. " back	35,500	47. Draft gear	Miner A-69-XB
22. " total	80,400	48. Brake schedule	W.A.B.6-ET, 1412, Type "L"
23. Total Eng. & Tender	531,200	49. Brake power	85% 65,500 lbs.
BOILER		50. Truck, type	Economy
24. Working pressure, maximum	220 lbs.	51. Axles	A.R.A. 6" x 11"
25. Firebox, length x width	150" x 96 1/2"	52. Wheels	Steel 33"
26. Tubes, No., O.D., & Gauge	262-2 1/2" - 11-B.W.G.	53. Maximum width over cylinders	11' 3 1/2"
27. Flues, No., O.D., & Gauge	45-5 1/2" - 9-B.W.G.	54. " " " running boards, at cab	11' 4"