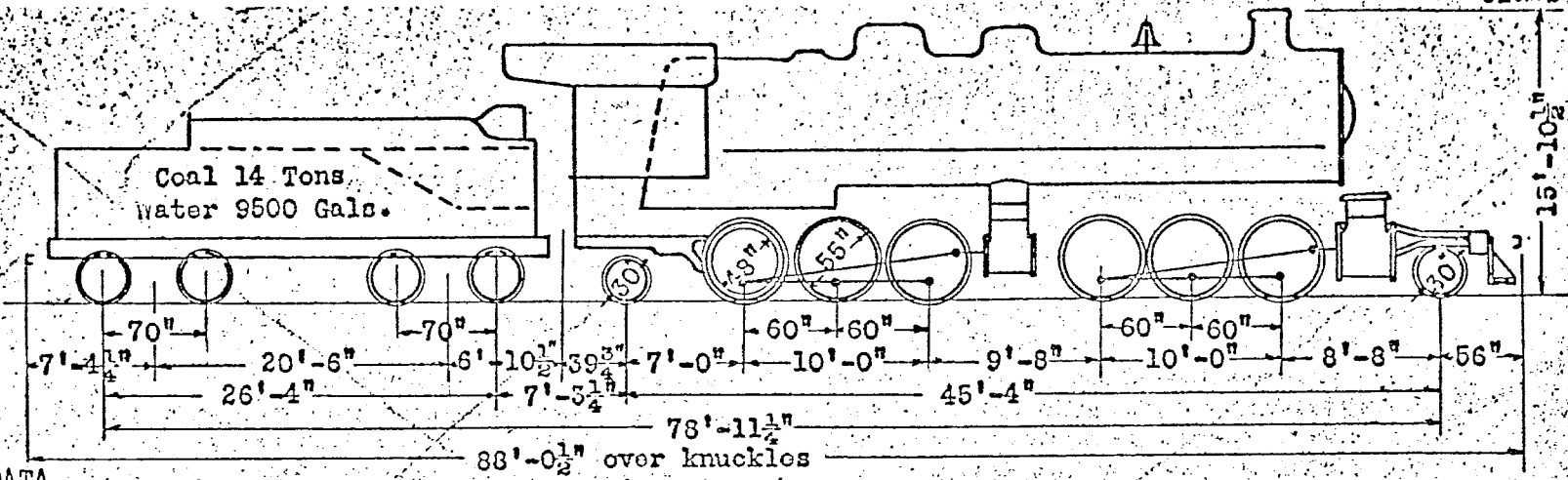


Engl. No. 954  
Class M-2



GENL. DATA

|  |                                     |   |  |
|--|-------------------------------------|---|--|
| 1. Cylinders, dia. x stroke                          | 23" & 35" x 32"                     | 29. Heating surface, tubes                    | sq.ft. 5544  |
| 2. Valve gear  | Walschaert                          | 30. " " firebox                               | " " 225  |
| 3. Valves, size & kind                               | D-Slide                             | 31. " " total                                 | " " 5762   |
| 4. " maximum travel                                  | H.P. 6 1/2" L.P. 6 1/2"             | 32. " " superheater                           | " " None   |
| 5. " steam lap                                       | 1" 7/8"                             | 33. " " equivalent total                      | " " None   |
| 6. " exhaust clearance                               | Line 3/8"                           | 34. Grates, length x width                    | 117" x 96"   |
| 7. " lead in full gear                               | 1/4" 3/8"                           | 35. " area                                    | sq.ft. 78  |
| 8. " cut off in full gear                            | 86.9% 89.4%                         | 36. Brick arch, type                          | None   |
| 9. Rated tractive power                              | 74,124 lbs.                         | 37. Arch tubes O.D., Ga., Fin. Lgth. over Bd. | None   |
| 10. Ratio of Adhesion (Wt. on Drivers ÷ Trac. Power) | 4.18                                | 38. Stoker, type                              | None   |
| 11. Sharpest curve                                   | 22 Deg.                             | AIR BRAKE                                     |  |
| WEIGHT   | Light H.P. Wk. Order L.P. Wk. Order | 39. Schedule                                  | W.A.B. 6-ET, WX3, 1210, Type Front 15-C, Back 15-B |
| 12. Leading truck                                    | 21,000                              | 40. Brake Power                               | 50% 155,000 lbs.                                   |
| 13. Driver, first                                    | 51,000 51,000                       | 41. Rumps                                     | 2 - 2 1/2"   |
| 14. " second   | 52,000 52,000                       | AXLES   |  |
| 15. " third  | 52,000 52,000                       | 42. Leading truck                             | Journal Dia. x Lgth. 6" x 12"                      |
| 16. " fourth   | None None                           | 43. Driving, main                             | " " " 10 1/2" x 12"                                |
| 17. " total  | 310,000                             | 44. Driving, other than main                  | " " " 10 1/2" x 12"                                |
| 18. Trailing truck                                   | 23,000                              | 45. Trailing truck                            | " " " 6" x 12"                                     |
| 19. Total engine                                     | 304,500 354,000                     | TENDER  |  |
| 20. Tender, front truck                              | 83,100                              | 46. Frame                                     | Structural   |
| 21. " back   | 83,100                              | 47. Draft gear                                | Farlow 3-key                                       |
| 22. " total  | 59,100 166,200                      | 48. Brake schedule                            | W.A.B. 6-ET, 1412, Type "L"                        |
| 23. Total eng. & tender                              | 363,600 520,200                     | 49. Brake power                               | 81% 48,000 lbs.                                    |
| BOILER   |                                     | 50. Truck, type                               | Arch bar   |
| 24. Working pressure, maximum                        | 200 lbs.                            | 51. Axles                                     | A.R.A. 6" x 11"                                    |
| 25. Firebox, length x width                          | 117" x 96"                          | 52. Wheels                                    | Steel 33"  |
| 26. Tubes, No., O.D. & Gauge                         | 450-2 1/2"-11-B.W.G.                | 53. Maximum width over cylinders              | 10' 6 1/2"   |
| 27. Flues, No., O.D. & Gauge                         | None                                | 54. " " running boards, at cab                | 10' 5 1/2"   |
| 28. Tubes & Flues, length (in to in of tube sheets)  | 251"                                |   |  |