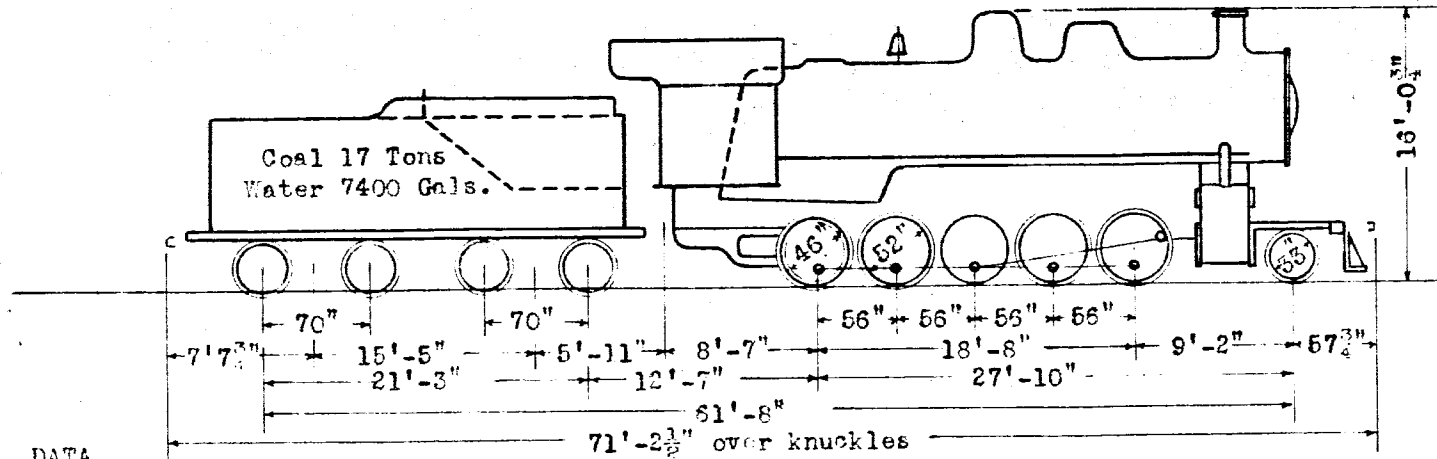


Engines No. 1101-1103  
 Class II 1108, 1109  
 1109



GENL. DATA

|  |                    |  |                                   |
|--|--------------------|--|-----------------------------------|
| 1. Cylinders, dia. x stroke                          | 25" x 28"          | 28. Tubes & Flues, lgth. (in to in of tube sheets)     | 203 1/2"                          |
| 2. Valve gear  | Walschaert         | 29. Heating surface, tubes & flues                     | sq. ft. 2380                      |
| 3. Valves, size & kind                               | 12" Piston         | 30. " " firebox & arch tubes                           | " " 227                           |
| 4. " maximum travel                                  | 6 1/2"             | 31. " " total  | " " 260                           |
| 5. " steam lap                                       | 1 1/4"             | 32. " " superheater                                    | " " 579                           |
| 6. " exhaust clearance                               | Line               | 33. " " equivalent total                               | " " 3475                          |
| 7. " lead in full gear                               | 3/15"              | 34. Grates, length x width                             | 108" x 86 1/2"                    |
| 8. " out off in full gear                            | 80.3%              | 35. " area   | sq. ft. 34.7                      |
| 9. Rated tractive power                              | 51,500 lbs.        | 36. Brick arch, type                                   | Security 4-Tube                   |
| 10. Ratio of Adhesion (Wt. on Drivers ÷ Trac. Power) | 3.79               | 37. Arch tubes O.D., Ga., Fin. Lgth. over Bd. 3"-7-BWG | 107-1/8"                          |
| 11. Sharpest curve                                   | 15 Deg.            | 38. Stoker, type                                       | None                              |
| WEIGHT   |                    | AIR BRAKE  |                                   |
| 12. Leading truck                                    | Light              | 39. Schedule   | W.A.B. 6-ET, WU2, 1410, Type 21-B |
| 13. Driver, first                                    | 23,800             | 40. Brake power  | 45.1% 79,376 lbs.                 |
| 14. " second   | 39,400             | 41. Pumps  | 1-8 1/2" C.C.                     |
| 15. " third  | 39,400             | AXLES  |                                   |
| 16. " fourth   | 40,700             | 42. Leading Truck                                      | Journal Dia. x Lgth. 6" x 12"     |
| 16 1/2. " fifth                                      | 37,800             | 43. Driving, main                                      | " " " 1 1/2" x 12"                |
| 17. " total  | 195,200            | 44. Driving, other than main                           | " " " 8 1/2" x 12"                |
| 18. Trailing truck                                   | None               | 45. Trailing truck                                     | None                              |
| 19. Total engine                                     | 195,500            | TENDER   |                                   |
| 20. Tender, front truck                              | 76,650             | 46. Frame  | Structural                        |
| 21. " back   | 76,650             | 47. Draft gear   | Farlow-Miner                      |
| 22. " total  | 57,600             | 48. Brake schedule                                     | W.A.B. 6-ET, 1412, Type "L"       |
| 23. Total engine & tender                            | 253,100            | 49. Brake power  | 70% 45,000                        |
| BOILER   |                    | 50. Truck, type  | Arch Bar                          |
| 24. Working pressure, maximum                        | 180 lbs.           | 51. Axles  | A.R.A. 6" x 11"                   |
| 25. Firebox, length x width                          | 108" x 86 1/2"     | 52. Wheels   | Steel 35"                         |
| 26. Tubes, No., O.D. & Gauge                         | 194-2"-11-B.W.G.   | 53. Maximum width over cylinders                       | 10' 3"                            |
| 27. Flues, No., O.D. & Gauge                         | 28-5-3/8"-9-B.W.G. | 54. " " " running boards, at end                       | 10' 3"                            |