25. Total Ash and Refuse, Percentage of Fuel as Fired
26. Combustible in Ash and Refuse ..... per cent

TEMPERATURE

27. Steam ..... deg. fahr.
28. Feed Water ..... deg. fahr.
29. Gases Leaving Boiler ..... deg. fahr.
30. Boiler Room ..... deg. fahr.
31. Outside Air ..... deg. fahr.

DRAFT INTENSITY

32. In Smokehood ..... in. water
33. Over Fire ..... in. water
34. In Ashpit ..... in. water

OUTPUT

35. Equivalent evaporation from and at 212 deg. fahr. per hr. of test ..... lb.
36. Equivalent evaporation from and at 212 deg. fahr. per lb. of dry coal fired ..... lb.
37. Heat Recovered at the Outlet per hour (item 35 × 0.97) ..... 1000 B.t.u.

STEAM AND WATER

38. Steam pressure (gage) ..... lb. per sq. in.
39. Total Water Fed to Boiler during Test ..... lb.
40. Priming: Total Water Removed from Separator, Per Cent of Total Feed Water ..... per cent

HEAT BALANCE

	Per lb. fuel as fired	Per cent heat in fuel fired
41.[5] Heat to steam leaving outlet (and thermal efficiency boiler, furnace and grate)		
42. Heat lost by hot flue gases, exclusive of steam		
43. Heat lost by not burning carbon monoxide		
44. Heat lost by steam in flue gas		
45. Heat lost by combustible in ash and refuse		
46. Heat lost by radiation		
47. Undetermined losses and errors		
48. Total, items 41, 42, 43, 44, 45, 46, 47 and calorific value of dry fuel		100

Additional items, for use only with New Fire Method of starting

FUEL USED

49. Weight of wood for kindling ..... lb.
50. Heat value of wood ..... B.t.u. per lb.
51. Weight of residual fire ..... lb.
52. Heat value of residual fire ..... B.t.u. per lb.
53. Fuel value of wood $\left(\text{item } 49 \times \frac{\text{item } 50}{\text{item } 11}\right)$ ..... lb.
54. Total fuel fired during test (exclusive of wood) ..... lb.
55. Total equivalent fuel charged during test (item 53 + item 54) ..... lb.
56. Fuel value of residual fire $\left(\text{item } 51 \times \frac{\text{item } 52}{\text{item } 11}\right)$ ..... lb.
57. Equivalent fuel used during test (item 55 − item 56, this value to be used for item 18) ..... lb.

ASH AND REFUSE

58. Ash in residual fire (by analysis) ..... per cent
59. Total ash content of residual fire:
$\left(\text{item } 51 \times \frac{\text{item } 58}{100}\right)$ ..... lb.

[5]Item 41. Heat to "steam," includes the heat used to raise the water removed from the separator from the feed water temperature to the steam temperature.

60. Total ash and refuse removed from ashpit ..... lb.
61. Equivalent ash and refuse removed from ashpit (item 59 + item 60, this is the value to be used for item 23) ..... lb.

LOG SHEET NO. 1

GENERAL SHEET

Test of ..... boiler with ..... coal

Date ..... Test No. .....

Time	General Notes

(Here will be recorded the method and times of starting and stopping, the method of firing, the difficulties encountered with ash and clinker, the times of cleaning, slicing and raking the fire, the caking and other properties of the coal, the manipulation of the dampers, etc.)