

Steel Donkey Boiler by Riley Bros of Stockton
for Gen Rankin & Blackmores' 1st 1894.

Plak 70 $\frac{2.75 - .8125}{2.75} \times 100 = 70.4$

65th working press

Rivet 70 $\frac{2 \times .52 \times 85}{2.75 \times .469} = 68$

Stay tubes $\frac{7500 \times (6.49 - 4.41)}{(11 \times 12.75) - 15.9} = 124 \frac{1}{2}$

Shell $\frac{18.5 \times 68 \times (7.5 - 2)}{102} = 67 \frac{1}{2}$

Stay tubes $\frac{7500 (7.669 - 5.41)}{11.25 \times 12.625 - 18.7} = 134 \frac{1}{2}$

Furnace $\frac{89600 \times .408}{6 \times 30} = 82 \frac{1}{2}$

" $\frac{8000 \times 13}{36 \times 32} = 90 \frac{1}{2}$

End steamspace $\frac{185 + 150 \times 11^2}{2} = 74 \frac{1}{2}$

" " " ~~16.25~~ $\frac{2.76 \times 4500}{15 \times 16.25} = 84 \frac{1}{2}$

Front tube $\frac{150 \times 10^2}{13.5^2} = 82 \frac{1}{2}$

W.L.R.
21st June 1894

Lloyd's Register
Foundation

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