

July, Brass Nos 3482/3

In N Gray Cas 8/5 No 7024708

85th No

Plate = 77.27

Pinch = 80.3

Shell =  $\frac{19.5 \times (8.5 - 2) \times 77.27}{114} = \underline{85.9 \text{ lbs}}$

Cond plate steam space =  $\frac{220 \times 12^2}{16 \times 18} = \underline{109 \text{ lbs}}$

Stays in ditto =  $\frac{276 \times 10000}{16 \times 18} = \underline{95 \text{ lbs}}$

CC back plate =  $\frac{120 \times \frac{8^2}{7.5}}{9 \times 10} = \underline{85 \text{ lbs}}$

Stays in ditto =  $\frac{99 \times 8000}{9 \times 10} = \underline{88 \text{ lbs}}$

Stays in side of CC

no size given X

Furnaces =  $\frac{268800}{93.7 \times 34} = \underline{84.3} \times \text{CC bottom } 9\frac{1}{16}$

Tube plate wide water space =  $\frac{150 \times 12^2}{13.5^2} = \underline{118 \text{ lbs}}$

$$\begin{array}{r} 11\frac{1}{4} \\ 9\frac{1}{2} \\ \hline 20\frac{3}{4} \\ 10\frac{3}{8} \end{array}$$

Lower back P =  $\frac{135 \times 12^2}{110 \times 9} = \underline{10.05}$

BTP =  $\frac{140 \times 9^2}{10 \times 8} = \underline{105}$

$\frac{9900 \times 4^2 \times 12}{(24 \times 7) \times 8 \times 24} = \underline{85.7}$

$$\begin{array}{r} 144 \\ 150 \\ \hline 7200 \\ 144 \\ \hline 21600 \\ 182 \\ \hline 340 \\ 182 \\ \hline 1580 \\ 38 \end{array}$$

$$\begin{array}{r} 135 \\ 135 \\ \hline 675 \\ 105 \\ \hline 18225 \end{array}$$



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