

Mult¹/₂ Steel Donkey Boiler S.O. 328 by Messrs. The Clyde
Shipbldg & Eng¹ Co¹ Ltd for Lt Briardene.

120 lb¹/₂ Working pressure.

plate $\frac{4.5 \times .6845}{4.5} \times 100 = 84.5$

Ends top $\frac{145 \times 13^2}{162.5} = 182 \text{ lbs.}$

Rivet $\frac{4 \times .34 \times 1.45 \times 88}{4.5 \times .593} = 82.5$

Stays $\frac{2.66 \times 10000}{13 \times 12.5} = 163 \text{ lbs.}$

Shell $\frac{28}{27} \cdot \frac{21 \times 82.5(9.5-2)}{102} = 131 \text{ lbs.}$

Front tube $\frac{140 \times 13^2}{13^2} = 140 \text{ lbs.}$

Furnace $\frac{10 \times 5200 \times .5^2}{62 \times 31} = 140 \text{ lbs.}$

Back $\frac{140 \times 13^2}{8.5^2} = 327 \text{ lbs.}$

Comer Cur $\frac{130 \times 8.5^2}{61} = 142 \text{ lbs.}$

Boiler Back $\frac{100 \times 13^2}{61} = 274 \text{ lbs.}$

" Stays $\frac{.99 \times 8000}{61} = 130 \text{ lbs.}$

" Stays $\frac{1.22 \times 8000}{9 \times 4.45} = 140 \text{ lbs.}$

" " Sides $\frac{120 \times 8^2}{4.5 \times 6} = 169 \text{ lbs.}$

" Stays $\frac{.8 \times 8000}{4.5 \times 6} = 140 \text{ lbs.}$

Guides $\frac{9900 \times 1.5 \times 5^2}{(22.6-4) 6.5 \times 22.6} = 162 \text{ lbs.}$



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25 March 1904
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GRK354-0186-1