

Vertical multi-sheet boiler (Plates) to be made by Mess
Copley Turner & Co. L^d for the H.S. "Sirius" of Hull.

85 lbs working pressure.

$$\text{Plate } \% \frac{2.5625 - .8125}{2.5625} \times 100 = 68$$

$$\text{To Front tube } \frac{3.75 - 2.75}{3.75} \times 100 = 26.7$$

$$\text{Rivet } \% \frac{2 \times .52 \times 85}{2.5625 \times 3.75} = 92$$

$$\text{" " to p. } \frac{18.5 \times 26.7 \times (11-2)}{49} = 91 \text{ lbs.}$$

$$\text{Shell } \frac{18.5 \times 68 \times (6-2)}{58} = 90 \text{ lbs.}$$

$$\text{Back tube } \frac{140 \times 10^2}{13^2} = 83 \text{ lbs.}$$

$$\text{Furnace } \frac{89600 \times \frac{4375}{3.75 \times 33.5}}{137} = 149 \text{ lbs.}$$

$$\text{Stay tubes } \frac{7500 \times (5.41 - 3.55)}{13^2 \times 7.5} = 249 \text{ lbs.}$$

$$\text{" } \frac{8000 \times \frac{4375}{33.5}}{104} = 119 \text{ lbs.}$$

$$\text{Comb^{ch}r } \frac{120 \times 8^2}{9.5^2} = 85 \text{ lbs.}$$

$$\text{" - Stays } \frac{1.48 \times 6000}{9.5^2} = 98 \text{ lbs.}$$

$$\text{" - top } \frac{120 \times 8^2}{9^2} = 95 \text{ lbs.}$$

Lloyd's Register
Foundation

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