

Vertical Steel Boiler by Mess Riley Bros. for Mess S Rowan
son's N^o 279 & 280 Engines. 80 lbs^{sq} Working pressure

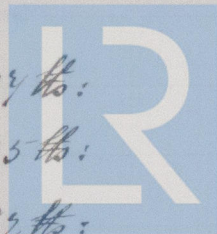
Plate % $\frac{2.8125 - .8125}{2.8125} \times 100 = 71.1$

Rivet % $\frac{24.82 \times 85}{2.8125 \times 345} = 84$

Shell $\frac{18.5 \times 71.1 (6-2)}{84} = 97 \frac{1}{2} \text{ lbs:}$

Fire Box $\frac{89600 \times .469^2}{3.75 \times 45.6} = 115 \text{ lbs:}$

" " $\frac{8000 \times .469}{45.6} = 82 \text{ lbs:}$



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W.A.
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