

Vertical Steel Boiler by N. Ludron & Co. of Stockton
for Messrs. Furness & Co. No. 22271
80 lbs. h. pressure.

$$\text{Plate \%} \quad \frac{2.75 - .8725}{2.75} \times 100 = 70.4$$

$$\text{Rivet \%} \quad \frac{2 \times .52 \times 83}{2.75 \times .469} = 68.5\%$$

$$\text{Shell} \quad \frac{18.5 \times 68.5 \times (7.5 - 2)}{84} = 83\text{ths.}$$

$$\text{Furnace} \quad \frac{89600 \times .656^2}{6 \times 70} = 92\text{ths.}$$

$$\text{"} \quad \frac{8800 \times 21}{70 \times 32} = 82\text{ths.}$$



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