

Fristman Hoops No 92
 9 clarks Net 435
 Plate 85 Rivets 8 9%

$$\frac{21 \times 16.5 \times 85 \times 28.5}{189.68 \times 27} = 164 \text{ lbs shell}$$

$$\frac{1}{2} \frac{175 \times 18.5^2}{(21^2 \times 17^2)} = 164 \text{ lbs top shell ends}$$

$$\frac{1}{2} \frac{135 \times 11^2}{(10.75^2 \times 9.25^2)} = 162 \text{ lbs @ C plating}$$

$$\frac{1}{2} \frac{135 \times 14^2}{(15^2 \times 10^2)} = 162 \text{ lbs back bottom}$$

$$\frac{140 \times 15.25^2}{14.025^2} = 160 \text{ lbs front tube plate Back 213 lbs}$$

$$\frac{3}{4} = \frac{7.22 \times 7500}{19 \times 17} = 167 \text{ lbs} \quad \frac{3}{8} = \frac{7.85 \times 7500}{20.6 \times 17} = 167 \text{ lbs}$$

$$\frac{1}{8} = \frac{6.659 \times 7500}{17.25 \times 17} = 170 \text{ lbs stays}$$

$$\frac{2.03 \times 7500}{10.25 \times 9.25} = 160 \text{ lbs} \quad \frac{2.35 \times 7500}{10 \times 10} = 176 \quad \frac{2.11 \times 7500}{12.5 \times 10} = 162$$

$$\frac{9900 \times 8^4 \times 1.8125}{20.75 \times 10.75 \times 30} = 172 \text{ lbs girders}$$

$$\frac{50 \times (300 \times .7656 - 73.625)}{48.656} = 160 \text{ lbs furnaces}$$

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F.S. 13-8



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