

Messrs Swan & Hunter's 267 ship  
Richardson Westgarth's 219 Contract

Inside of shell plates 29/32 tons

% of plate 85.57 % of Rivets 84.59

$$\text{Shell} = \frac{21 \times \frac{29}{32} \times (22-2) 84.5}{189} = 202 \text{ lbs}$$

$$\text{Top ends} = \frac{175 \times 172}{16\frac{1}{2}^2} = 185 \text{ lbs}$$

$$\text{Front tube plate} = \frac{140 \times 12^2}{9^2} = 249 \text{ lbs}$$

$$\text{with doubling} = \frac{140 \times (12 + \frac{10^2}{2})}{14\frac{1}{2}^2} = 192 \text{ lbs}$$

$$\text{On sides back + tops} = \frac{135 \times 10^2}{8^2} = 211 \text{ lbs}$$

$$\text{Girders} = \frac{9900 \times 8\frac{1}{2}^2 \times 1\frac{1}{2}}{(28.5-8) 8 \times 28.5} = 229 \text{ lbs}$$

$$\text{Back bottom} = \frac{135 (12 + \frac{10}{2})^2}{14^2 + 8^2} = 285 \text{ lbs}$$

$$\text{Turnaces} = \frac{1259 (9.5-2)}{49\frac{1}{4}} = 192 \text{ lbs}$$

$$\text{Main Stays} = \frac{6.1 \times 10000}{16\frac{1}{2}^2} = 224 \text{ lbs}$$

$$\text{Screw Stays} = \frac{2.1 \times 9000}{8^2} = 187 \text{ lbs}$$



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