

Austins
Dickinsons 466

Plate 85.3 Rivets 91.8

$$\frac{85.3 \times .75 \times 1\frac{1}{32}}{70.6} = 1\frac{3}{32} \text{ butt straps}$$

$$\frac{20 \times (19.5 - 2) \times 85.3}{186} = 160 \text{ lbs for shell}$$

$$\frac{2\frac{7}{8} = 2.66 = 5.57 \times 90}{18 \times 16 = 288} = 174 \text{ lbs steam space strap}$$

$$\frac{15\frac{1}{8} = 1.48 = 1.73 \times 80}{9.125 = 83} = 170 \text{ lbs for water space stays}$$

$$\frac{140 = 145 \times 1\frac{1}{2}}{18^2} = 156 \text{ lbs shell ends}$$

$$\frac{185 \times 1\frac{1}{2}}{18^2} = 165 \text{ lbs shell ends}$$

$$\frac{135 \times 10^2}{9.125^2 = 83} = 162 \text{ lbs for 2 plates}$$

$$\frac{9900 \times 8^2 \times 2}{32.5 - 8.5 \times 9 \times 32.5} = 180 \text{ for girders}$$

$$\frac{8800 \times 2^3}{39 \times 52} = 162 \text{ lbs furnace}$$

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