

Mips & Paustin & sons S S No 219  
: G Clark Ld No 743

! Plate  $84.95 \text{ Rweb } 105\%$

$$\text{Shell } \frac{21 \times 13.75 \times 84.95 \times 28.5}{168.5 \times 27} = 161.3 \text{ lbs}$$

$$\text{Top shell wdg } \frac{145 \times 17^2}{\frac{1}{2}(17^2 \times 18.5^2)} = 160 \text{ lbs}$$

$$\text{C e plates } \frac{135 \times 10.5^2}{\frac{1}{2}(9.8^2 \times 9.5^2)} = 162 \text{ lbs}$$

$$\text{Back bottom } \frac{135 \times 13.5^2}{\frac{1}{2}(14.5^2 \times 9.5^2)} = 163 \text{ lbs}$$

$$\text{Stays } 2 \frac{7}{8} = \frac{5.557 \times 10000}{17 \times 18.5} = 176$$

$$3 = \frac{6.87 \times 10000}{18.5 \times 19.0625} = 172 \text{ lbs}$$

$$\text{Front tube plate } \frac{140 \times 17^2}{14.0625^2} = 285 \text{ lbs}$$

$$\text{Girders } \frac{9900 \times 7.75^2 \times 1.5}{20.76 \times 8.75 \times 30} = 164 \text{ lbs}$$

$$\frac{2.03 \times 9000}{9.5 \times 12} = 160 \text{ lbs}$$
$$\frac{98.75 \times 9.25}{1.78 \times 2800} = 280 \text{ lbs}$$
$$\frac{9.25 \times 8.75}{1.78 \times 2800} = 170 \text{ lbs}$$

$$\text{Furnace } \frac{50(300 \times 7343 - 86)}{41} = 164 \text{ lbs}$$

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