

Mult-Steel Boiler by Mess Ross & Duncan of Govan
(K^o 355) for shipment abroad.

plate 70 $\frac{5.25 - .875}{5.25} \times 100 = 84.5$ ends top $\frac{185 \times 11.5^2}{11.5^2} = 185 \text{ lbs.}$

Rivet 70 $\frac{4 \times 52 \times 1.75 \times 85}{5.25 \times 6.875} = 86$ " Stay $\frac{2.59 \times 10000}{11 \times 12} = 196 \text{ lbs.}$

Shell $\frac{21 \times 84.5 (11-2)}{77.6} = 164 \text{ lbs.}$ Front stay $\frac{120 \times (11.5 + \frac{8}{2})^2}{12.5^2} = 185 \text{ lbs.}$

Furnace $\frac{50(300 \times 598 - 68)}{31.18} = 176 \text{ lbs.}$ Back - $\frac{140 \times 11^2}{8^2} = 268 \text{ lbs.}$

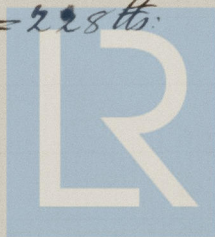
Combustible $\frac{120 \times 8.5^2}{7.25^2} = 168 \text{ lbs.}$ Stay tubes $\frac{7500(6.49 - 4.43)}{8 \times 10.25 - 19} = 244 \text{ lbs.}$

" " Stay $\frac{1.23 \times 8000}{7.25^2} = 187 \text{ lbs.}$ Boiler Dain $\frac{135 \times 11.5^2}{9.05^2} = 218 \text{ lbs.}$

Girders $\frac{9000 \times 5^2 \times 1.75}{(21-7) 6.5 \times 21} = 207 \text{ lbs.}$ " Stay $\frac{1.76 \times 8000}{10.5 \times 7.25} = 185 \text{ lbs.}$

Dome shell $\frac{19 \times 72.5 (6-2)}{24} = 228 \text{ lbs.}$

K. 5
72.5
P. 72.5
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