

Mult-Steel Main Boilers S.O. 426 by Clyde Eng'g Coy Co.  
for Messrs A. Rodger 163 No. 403 St.

180 lbs working pressure

plate %  $\frac{8.75 - 1.3125}{8.75} \times 100 = 85.$

Ends top  $\frac{145 \times 18^2}{312} = 182 \text{ lbs.}$

Rivets  $\frac{5 \times 1.34 \times 1.45 \times 85}{8.75 \times 1.281} = 89.2$

" Stays  $\frac{5.49 \times 10000}{19 \times 16.25} = 184 \text{ lbs.}$

Shell  $\frac{22 \times 85 (20.5 - 2)}{192} = 180 \text{ lbs.}$

Front tube  $\frac{140 \times 18^2}{14.25^2} = 223 \text{ lbs.}$

Furnace  $\frac{1259 (9.5 - 2)}{50.5} = 184 \text{ lbs.}$

Back "  $\frac{140 \times 11^2}{11.25^2} = 133 \text{ lbs.}$

Combustion  
Back  $\frac{135 \times 9.5^2}{66} = 185 \text{ lbs.}$

Boiler Back  $\frac{135 \times 13^2}{125} = 183 \text{ lbs.}$

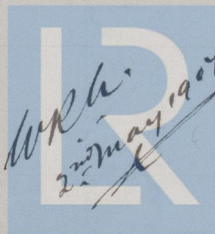
" Stays  $\frac{1.48 \times 8000}{8.5 \times 4.45} = 180 \text{ lbs.}$

" " Stays  $\frac{2.4 \times 9000}{10.845 \times 4.45} = 254 \text{ lbs.}$

" " Stays  $\frac{135 \times 10^2}{72.5} = 185 \text{ lbs.}$

" " Stays  $\frac{1.48 \times 8000}{72} = 164 \text{ lbs.}$

Girders  $\frac{9900 \times 9.5^2 \times 1.45}{(35 - 8) 9 \times 35} = 185 \text{ lbs.}$



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