

W923-0205

Mult. Steel main Boilers (No. 356-7) by Messrs The
 Clyde Shipbldg & Engg Co. for Messrs Armstrong & Co. & are
 Clyde Shipbldg & Engg Co. No. 256 vessels respectively.

180 lbs. Working pressure.

plate % $\frac{9.625 - 1.4375}{9.625} \times 100 = 85$

Ends top $\frac{145 \times 21.5^2}{353} = 229 \text{ lbs.}$

Rivet % $\frac{5 \times 1.62 \times 1.75 \times 85}{9.625 \times 1.375} = 91.5$

Stays $\frac{10000 \times 7.5}{18.5 \times 18} = 226 \text{ lbs.}$

Shell $\frac{28.21 \times 85(22-2)}{27 \times 162.25} = 227 \text{ lbs.}$

Front tube $\frac{140 \times 15^2}{14.25^2} = 188 \text{ lbs.}$

Furnace $\frac{1160(9-2)}{42} = 193 \text{ lbs.}$

Back $\frac{1140 \times 15^2}{10.37^2} = 293 \text{ lbs.}$

Combust. $\frac{135 \times 11^2}{9^2} = 202 \text{ lbs.}$

Stay tubes $\frac{4500 \times 2.67}{11 \times 9 - 18.6} = 349 \text{ lbs.}$

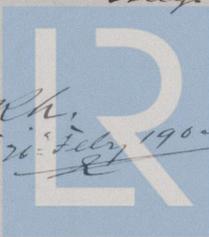
Stays $\frac{207 \times 9000}{9^2} = 229 \text{ lbs.}$

Boiler Back $\frac{135 \times 15^2}{142} = 214 \text{ lbs.}$

Guiders $\frac{9900 \times 10.5^2 \times 1.5}{(34.25 - 8.25)9 \times 34.25} = 205 \text{ lbs.}$

Stays $\frac{207 \times 9000}{25 \times 9} = 165 \text{ lbs.}$

W.R.H.
 26th July 1903.



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 Foundation