

W560-0245

Mult^o Steel main Boiler No 830. by Palmer & B. of Cay C.
for J. & D. Morris. No 64 S/S.

130 lbs working pressure.

$$\text{Plat } \% = \frac{5.25 - 1}{5.25} \times 100 = 80.95$$

$$\text{Rivet } \% = \frac{3 \times .785 \times 1.75 \times 85}{5.25 \times .78} = 85.4$$

$$\text{Shell } \frac{22 \times 80.95 - (12.5 - 2)}{142.43} = 131 \text{ lbs}$$

$$\text{Furnace } \frac{107500 \times 6.56^2}{42 \times 79} = 140 \text{ lbs.}$$

$$\text{Coment } \frac{135 \times 9^2}{92} = 135 \text{ lbs}$$

$$\text{Stays } \frac{1.45 \times 8000}{92} = 128 \text{ lbs}$$

$$\text{Girders } \frac{10660 \times 8.5^2 \times 1.375}{(31 - 9) 8.5 \times 31} = 184 \text{ lbs.}$$

$$\text{Sails } \frac{135 \times 10^2}{90.2} = 150 \text{ lbs.}$$

$$\text{Stays } \frac{1.45 \times 8000}{9.52} = 128 \text{ lbs.}$$

$$\text{Ends at top } \frac{185 \times 14^2}{16.5^2} = 134 \text{ lbs}$$

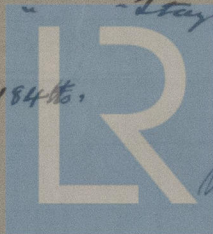
$$\text{Stays in do } \frac{4.11 \times 10400}{272} = 156 \text{ lbs}$$

$$\text{Front tube } \frac{140 \times 13.5^2}{14^2} = 130 \text{ lbs}$$

$$\text{Back tube } \frac{140 \times 12^2}{11.375^2} = 153 \text{ lbs}$$

$$\text{Boiler Back } \frac{135 \times 12.5^2}{12.5} = 169 \text{ lbs.}$$

$$\text{Stays } \frac{2.03 \times 9000}{11 \times 9} = 185 \text{ lbs.}$$



Lloyd's Register
Foundation
W. R. 2 Feb 1916