

Sir Raylton Dixon H.O.S.S No 501
 R. & M. & Coy's 1503
 Plate 84-y Rivets 91-3 of

$$\frac{22.25 \times (21.5 - 2) 84.4}{180 - 312.5} = 203 \text{ lbs Shell}$$

$$\frac{185 \times 22.5 \times 22.5}{1/2(20.5^2 + 18.5^2)} = 245 \text{ top shell ends}$$

$$\frac{135 \times 14.5^2}{1/2(14.75^2 + 9.625^2)} = 183 \text{ lbs back bottom}$$

$$\frac{140(13 + \frac{14}{2})^2}{14.5^2} = 266 \text{ lbs front tube plate}$$

$$\frac{135 \times 11^2}{1/2(9.5^2 \times 9^2)} = 190 \text{ lbs C C Sides}$$

$$\frac{135 \times 11^2}{9^2} = 200 \text{ top back}$$

$$\frac{8.48 \times 10000}{20.5 \times 18.5} = 223 \text{ lbs stay}$$

$$\frac{9000 \times 2.45}{11.625 \times 9.625} = 195 \text{ lbs screwed stays}$$

$$\frac{9000 \times 1.79}{9.625 \times 9.25} = 180 \text{ lbs}$$

$$\frac{9900 \times 8.5^2 \times 2}{(30 - 9) \times 9 \times 30} = 252 \text{ lbs girders}$$

$$\frac{1259 \times (9.5 - 2)}{47.5} = 198 \text{ lbs 2 @ 100 lbs furnaces}$$

P.S. 12-3
 Lloyd's Register
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