

Messrs Austin & Sons S.S. 156

72.2 m. 4. Corp 346 boiler

Plate 48.370 Rivets 48.4

$$\frac{260 \times 48 \times 1}{124} = 163 \text{ lbs WP for shell}$$

$$2 = \frac{3 \times 9000}{13 \times 13.5} = 134 \text{ lbs WP for steam space stay}$$

$$\frac{1.33 \times 8000}{7.75 \times 7.625} = 180 \text{ lbs WP for water space stay}$$

$$\frac{1.9 \times 9000}{11.5 \times 7.75} = 190 \text{ lbs WP for water space stay in wide water space}$$

$$\frac{160 \times 15^2}{13.52} = 197 \text{ lbs WP for flat plates in steam space}$$

$$\frac{120 \times 81}{7.75^2} = 162 \text{ lbs for flat plates in water space}$$

$$\frac{9000 \times 30.25 \times 3}{(33 - 7\frac{1}{2}) \times 8 \times 33} = 121 \text{ lbs for girders 52 deep}$$

$$\frac{9000 \times 36 \times 3}{6699} = 145 \text{ lbs for girders 60 deep}$$

girders should be 62 deep

$$\frac{10000 \times 8.5 - 2}{36} = 180 \text{ lbs for furnaces}$$

2686

140 construct  
usually taken  
for tube plates.

J. M. L. for

