

Mult. Steel Donkey Boiler No. 2463 by Denny 16-7  
for Austrian Lloyd 68 H=65-6.

165<sup>th</sup> working pressure

$$\text{Plate } 70 \frac{5.5 - 1}{5.5} \times 100 = 81.8$$

$$\text{Rule } 70 \frac{5 \times .78 \times 1.45 \times 85 + 32}{5.5 \times 29} = 116$$

$$\text{Shell } \frac{28}{27} \cdot \frac{21 \times 81.8 \times (45 - 2)}{108} = 207$$

$$\text{Furnace } \frac{1259 (9 - 2)}{48.25} = 185 \text{ lbs.}$$

$$\text{Cement Lin. } \frac{135 \times 9^2}{62} = 174 \text{ lbs.}$$

$$\text{Stays } \frac{1.69 \times 6000}{8 \times 4.45} = 165 \text{ lbs.}$$

$$\text{Girders } \frac{9900 \times 6^2 \times 1.25}{(22.5 - 8) 7.25 \times 22.5} = 189 \text{ lbs.}$$

$$\text{End top } \frac{185 \times 15.5^2}{14.25^2} = 218 \text{ lbs.}$$

$$\text{Stays } \frac{4.11 \times 10000}{14 \times 14.5} = 203 \text{ lbs.}$$

$$\text{Front tube } \frac{160 \times (13.75^2)}{14.125^2} = 232 \text{ lbs.}$$

$$\text{Back } \frac{140 \times 12^2}{9.4^2} = 213 \text{ lbs.}$$

$$\text{Stay tubes } \frac{7500 \times 2.64}{8.8 \times 8.6 - 24.8} = 390 \text{ lbs.}$$

$$\text{Boiler Back } \frac{100 \times 11^2}{60} = 201 \text{ lbs.}$$

$$\text{Stays } \frac{1.69 \times 6000}{60} = 169 \text{ lbs.}$$

W.H. S. 1901.  
W.H. S. 1901.

W1599-0213