

ation of Report No.

dated

on the

Steel Multi-Donkey Boiler to be made by
T. Ludron & Co. Ltd. for Steam Sulf
Search Light

$$\text{Rivet } \frac{3 \times 5.2 \times 1.45 \times 16 \times 55}{4.25 \times 9} = 97\%$$

$$\text{Plate } \frac{4.25 \times .8125}{4.25} \times 100 = 80.8\%$$

$$\text{Shell } \frac{20 \times 80.8 \times (9-2)}{108} = 104.7 \text{ lbs.}$$

$$\text{Furnace } \frac{89600 \times 5.156^2}{6.6 \times 35} = \frac{102 \text{ lbs.}}{97 \text{ lbs.}}$$

$$\text{Combust. } \frac{120 \times 8.5^2}{9^2} = 104 \text{ lbs.}$$

$$\text{Stays } \frac{6000 \times 1.48}{81} = 111 \text{ lbs.}$$

$$\text{top } \frac{135 \times 9^2}{10.5^2} = 98 \text{ lbs.}$$

$$\text{Stays } \frac{6000 \times 1.48}{10.5 \times 10} = 86 \text{ lbs. } 1 \frac{1}{2} \%$$

$$\text{Ends Stm Space } \frac{175 \times 13^2}{14^2} = 103 \text{ lbs.}$$

$$\text{Stays } \frac{4500 \times 3.14}{14 \times 12} = 114 \text{ lbs.}$$

$$\text{Front tube plate } \frac{150 \times 10.5^2}{13^2} = 98 \text{ lbs.}$$

$$\text{Back } \frac{140 \times 10^2}{12.75^2} = 104 \text{ lbs.}$$

$$\text{Stay tubes } \frac{7500 \times (6.49 - 4.43)}{(12.975 \times 10.25) - 21} = 142 \text{ lbs.}$$

$$\text{Girders } \frac{100 \times 10^2}{12^2} = 70 \text{ lbs. } 2 \text{ donkey pieces}$$

$$\text{Boiler Back } \frac{6600 \times 6.5^2 \times 14}{(24-10) 10.5 \times 24} = 99 \text{ lbs.}$$

$$\text{Stays } \frac{6000 \times 1.48}{10.5 \times 9} = 95 \text{ lbs. } 1 \frac{1}{2} \%$$

$$\text{Dome Shell } \frac{18.5 \times 60 \times (6-2)}{27} = 164 \text{ lbs. } 1 \frac{1}{2} \%$$

Wick
30/8/93.