

Steel Mule & Donkey Bolter by Mess<sup>rs</sup> J. Ludron of N.  
for Sir R. Dixon & Co<sup>ys</sup> Nos 428 & 429 Vessels.

80 lbs. working pressure.

Plate 79  $\frac{4.25 - .8125}{4.25} \times 100 = 81$  front tube  $\frac{140 \times 10^2}{13^2} = 83\%.$

$$\text{Rivet \%} = \frac{4 \times .52 \times .85}{4.25 \times .469} = 88.5 \quad \text{Back} = \frac{140 \times 10^2}{11.32} = 110 \text{ lbs.}$$

Shell  $\frac{18.5 \times 81 (4.5-2)}{10^2} = 80\text{lb.}$  Gray tubes  $\frac{4500 (6.49-4.43)}{13.06 \times 9.845-21} = 143\text{lb.}$

Turnace  $\frac{89600 \times 4.4375^2}{5.5 \times 30} = 104 \text{ lbs.}$  End top  $\frac{185 \times 10.5^2}{15.75^2} = 82 \text{ lbs.}$

$$\frac{8000 \times 4}{30 \times 16} = 112 \text{ lbs.} \quad - \quad \text{Stays } \frac{2.4 \times 4500}{15.45 \times 11.5} = 99 \text{ lbs.}$$

$$\text{Comb}^n \text{Chr}^n \frac{100 \times 8^2}{8.5-2} = 88\%.$$

Stamp  $\frac{.99 \times 6000}{8.5 \times 8.25} = 85\%$

"top  $\frac{120 \times 8^2}{9.45^2} = 81 \text{ lbs.}$

9.45-2 6.25-2 8.5-4  
"  $\frac{6600 \times 5.5 \times 1}{(22-8) 9.45 \times 2.2} = 64 \text{ kg}$

" top Stays  $\frac{1.33 \times 6000}{9.45 \times 9} = 84\#$

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