

Shel Donkey Boiler by Mess Riley Bros of
Stockton for Mess Rankine & Blackmore

12.

80 lbs per sq in to pressure

$$\text{Plate 70} \quad \frac{3.125 - .875}{3.125} \times 100 = 72$$

$$\text{Rivet 70} \quad \frac{2 \times .6 \times 16 \times 85}{3.125 \times 7} = 44.7$$

$$\text{Shell} \quad \frac{18.5 \times 72 \times (7-2)}{78} = 82.5 \text{ lbs.}$$

$$\text{Fire Box} \quad \frac{89600 \times .625^2}{5.25 \times 68} = 98 \text{ lbs.}$$

$$\text{---} \quad \frac{8800 \times 5}{68 \times 8} = 80.8 \text{ lbs.}$$

W.R.H.
18 Dec = 1898.



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GRH327-0009

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