

Main Boiler (403-4-5) by Mrs. S. Kincaid 187
for Cantieri Navale Messina 4346-7-8. 180th Working Press

Plate 90 $\frac{9 - 1.3125}{9} \times 100 = 85.4$

Rivet 90 $\frac{5 \times 1.35 \times 1.75 \times 85}{9 \times 1.218} = 91.7$

Shell $\frac{22 \times 85.4 (19.5 - 2)}{180} = 182 \text{ lb}$

Furnace $\frac{1259 (9 - 2)}{44.25} = 158 \text{ lb}$

Combr. Ch. $\frac{135 \times 10^2}{72.5} = 186 \text{ lb}$
200

" " Slaps $\frac{1.49 \times 9000}{72} = 223 \text{ lb}$

" " Back $\frac{135 \times 10.25^2}{44} = 184 \text{ lb}$

" " Slaps $\frac{1.79 \times 9000}{72} = 208 \text{ lb}$

" " Guts $\frac{10660 \times 8.45^2 \times 1.5}{(31.68 - 8) 9 \times 31.68} = 182 \text{ lb}$

Front tube $\frac{140 \times 15^2}{132} = 184 \text{ lb}$

Back " $\frac{140 \times 11^2}{8.68^2} = 224 \text{ lb}$

Boiler Back $\frac{135 \times 13.5^2}{131.5} = 186 \text{ lb}$

Boiler Back $\frac{2.1 \times 9000}{11 \times 9} = 189 \text{ lb}$
Slaps

with
218712.

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