

19315 Jan

Port

Sunderland. Sept. 787

of the Steam Ship

"Prudent"

tons

Length

9.3

Rev 17/12/77

 $\frac{7}{8}$ "

radial joints

shell

of circumferential joints

double,

ditto

5"

ditto

 $3\frac{3}{4}$ "

ditto

 $1\frac{1}{4}$ "

ditto

 $1\frac{1}{8}$ "

ditto

12"

ditto

 $5\frac{1}{2}$ "

ar shell

 $16 \times 12$ by flange of dome  $4\frac{1}{2} \times \frac{1}{2}$ 

boiler

2.

 $3' 3"$ 

Length of furnaces

6' 0"

ates

 $\frac{1}{2} \times \frac{9}{16}$  bottom.

furnaces

lapped and double riveted.

with rings

none

Greatest length between rings

chamber plating

 $\frac{1}{2}$ "

to ditto

 $1\frac{1}{4}$ "

pitch of stays

 $7 \times 7\frac{1}{2}$  $\frac{3}{4}$ "

al stays to end plates

2"

pitch of ditto

 $15 \times 15\frac{1}{2}$ "

They are bolts extending through both ends.

3" ext

pitch of tubes

 $4\frac{1}{4} \times 4\frac{1}{4}$ "

PS

 $\frac{3}{4}$ "id stay bolts  $1\frac{1}{2}$ " diameter

pitch of stays

 $12\frac{3}{4} \times 12\frac{3}{4}$ "

river

Dome with contracted neck.

 $3' 6"$ 

length of ditto

8' 0"

ditto

 $\frac{3}{8}$ "

ends

 $\frac{1}{2}$ "no stays (the ends are drilled  $3' 6"$  radius)

$$\text{Cells} = \frac{51520 \times 1\frac{3}{4} \times 75}{151 \times 6.5} = 69 \text{ lbs working pressure.}$$

$$\text{races} = \frac{89600 \times 12^2}{6 \times 39} = 95 \text{ " " "}$$

William Allison.

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