

Port

19395 Jan 8<sup>th</sup>  
Hartlepool Oct 18<sup>th</sup> 1877  
Amanda 1260.95 tons

Details of Main Boilers of the Steam Ship

Diameter 11' 3" Length 13' 6"

Thickness of shell plates  $\frac{1}{8}$

Description of riveting of longitudinal joints Double of circumferential joints Double

Pitch of rivets ditto 5" ditto 3

Diameter of rivets ditto 1  $\frac{3}{16}$  ditto 1  $\frac{3}{16}$

Lap of plating ditto Double Butt Straps ditto 5"

Size of manholes in circular shell 15 x 11  $\frac{1}{2}$

How compensated for Rectangular plate round hole 24 x 28 x 1  $\frac{1}{8}$ "

Number of furnaces in boiler 4

Diameter of furnaces 3' 0" Length of furnaces 5' 3"

Thickness of furnace plates  $\frac{1}{16}$

Description of joint of furnaces Lap Double riveted

Whether strengthened with rings No Greatest length between rings

Thickness of combustion chamber plating  $\frac{1}{16}$

Diameter of screw stays to ditto 1  $\frac{1}{8}$  pitch of stays 8" x 1  $\frac{1}{2}$ "

End plates, thickness  $\frac{1}{16}$

Diameter of longitudinal stays to end plates 2  $\frac{1}{8}$  pitch of ditto 15" x 14"

How stays are secured Nuts on each side end plates Washers outside

Diameter of tubes 2  $\frac{3}{4}$  pitch of tubes 4" x 4"

Thickness of tube plates  $\frac{11}{16}$

Stayed by Stay tubes pitch of stays 8" x 12"

Description of steam receiver Cylindrical Corrugated ends

Diameter of ditto 2' 6" length of ditto 4' 6"

Thickness of plating of ditto  $\frac{1}{16}$  ends  $\frac{1}{12}$ "

Ends, how stayed No Stays

Shell  $\frac{51520 \times 1 \frac{3}{4} \times \frac{1}{16}}{135 \times 6.5} = 17 \frac{1}{2}$  lbs Working Pressure

Combustion chamber plating  $\frac{100 \times \frac{1}{2}^2}{8 \frac{1}{2}} = 14$

Furnaces  $\frac{89600 \times \frac{1}{16}^2}{5.3 \times 36} = 90$

Engineer Surveyor to Lloyd's Register of Shipping.

IRON 474-0168