

20041 Jan
 Port West Hartlepool of *Eclipse* January 1878
 Rev 3/1/18
 1041 1/3 tons

Details of Main Boilers of the Steam Ship

Diameter *12.5 mean* Length *9.10*

Thickness of shell plates *1*

Description of riveting of longitudinal joints *Welded* of circumferential joints *Double*

Pitch of rivets ditto *"* ditto *3 3/4"*

Diameter of rivets ditto *"* ditto *1 7/16"*

Thickness of plating ditto *"* ditto *5 1/2"*

Number of manholes in circular shell *15" x 11"*

How compensated for *Rectangular plates 2 1/2 x 23 x 1 7/16*

Number of furnaces in boiler *3*

Diameter of furnaces *2' .. 11"* Length of furnaces *6' .. 7"*

Thickness of furnace plates *Bottom 9/16 Crown 1/2"*

Description of joint of furnaces *Bull joints, Double straps, Single twisted*

Whether strengthened with rings *No* Greatest length between rings *"*

Thickness of combustion chamber plating *1/2*

Diameter of screw stays to ditto *1 1/2 outside* pitch of stays *7 1/4 x 7*

End plates, thickness *13/16*

Diameter of longitudinal stays to end plates *2 5/8 outside* pitch of ditto *14 3/4 x 14 1/2*

How stays are secured *With cuts and washers*

Diameter of tubes *3 1/4 outside* pitch of tubes *11 1/2 x 11 5/8*

Thickness of tube plates *13/16*

Stayed by *Stay tubes* pitch of stays *13 1/2 x 9 1/4*

Description of steam receiver *Vertical steam dome contracted at neck*

Diameter of ditto *3' - 3"* length of ditto *5' 6" overall*

Thickness of plating of ditto *7/16* ends *5/8*

Ends, how stayed *Four stays in dome 2 1/2" outside diameter*

All longitudinal seams in shell welded except of one plate in inner course of shell plating

Shell $\frac{51520 \times 2 \times .70}{149 \times 6.5} = 74$ lbs working pressure

Combustion chamber plating $\frac{100 \times 8^2}{7/4} = 122$

Report (if any) on Hull of Vessel
 Port West Hartlepool
 Report in the
 Register of Shipping

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