

16427 Iron

Port London

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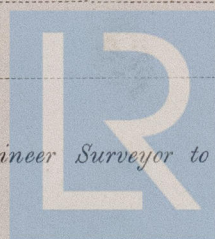
Details of Main Boilers of the Steam Ship *Orwell*, tonsDiameter *9 feet 6 inches* Length *9 ft 4 ins*Thickness of shell plates *$\frac{3}{4}$ inches*Description of riveting of longitudinal joints *Double Lap* of circumferential joints *Double Lap*Pitch of rivets ditto *$\frac{3}{8}$ inches* ditto *3 inches*Diameter of rivets ditto *1 inch* ditto *1 inch*Lap of plating ditto *5 inches* ditto *5 inches*

Size of manholes in circular shell

How compensated for

Number of furnaces in boiler *Two*Diameter of furnaces *2' 10" outside* Length of furnaces *6' 9 1/2 ft*Thickness of furnace plates *$\frac{1}{2}$ inch*Description of joint of furnaces *Lap, single riveted*Whether strengthened with rings *No* Greatest length between ringsThickness of combustion chamber plating *$\frac{1}{2}$ inch*Diameter of screw stays to ditto *$\frac{1}{8}$ outside* pitch of stays *$8\frac{1}{2} \times 8\frac{1}{2}$* End plates, thickness *$\frac{3}{4}$ inches*Diameter of longitudinal stays to end plates *$2\frac{1}{4}$, $2\frac{3}{4}$ end.* pitch of ditto *$13\frac{1}{4} \times 13\frac{3}{4}$* How stays are secured *Double ends, riveted washers*Diameter of tubes *3" outside* pitch of tubes *$4\frac{1}{8} \times 4\frac{1}{8}$* Thickness of tube plates *$\frac{3}{4}$ inch*Stayed by *Stay tubes* pitch of stays *$12\frac{3}{8} \times 12\frac{3}{8}$* Description of steam receiver *Annular*Diameter of ditto *Outside 6' 2", 4' 0" inside* length of ditto *6 ft. 10 ins*Thickness of plating of ditto *$\frac{1}{2}$ "* ends *$\frac{1}{2}$ "*How stayed *Two rings, greatest length between, 2' 6"**Also by three rows of ten $\frac{1}{4}$ stay, screwed into inside & outside circular plates, with ends outside*

No. Report (if any) on Hull of Vessel.



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