

15772Ln

Port London

March 8th 1876.

Details of Main Boilers of the Steam Ship

Pandora,

176 tons

Diameter 12 ft. 4 1/2 Length 9' 0"

Thickness of shell plates 7/8

Description of riveting of longitudinal joints Lap, double of circumferential joints Lap single

Pitch of rivets ditto 2 3/4" ditto 2 1/2"

Diameter of rivets ditto 1" ditto 1"

Lap of plating ditto ditto

No. Size of manholes in circular shell none in circular shell, but 3 in

~~How compensated for~~ front plate and one in back, with rings riveted round

Number of furnaces in boiler three

Diameter of furnaces 3 feet 3 inches Length of furnaces 6 ft. 6 ins

Thickness of furnace plates 1/2 inch

Port Description of joint of furnaces welded.

Whether strengthened with rings yes Greatest length between rings 3 ft. 3 ins

Thickness of combustion chamber plating 4/16

Diameter of screw stays to ditto 1 1/4 pitch of stays 8 1/2" x 8 1/2"

End plates, thickness 9/16

Diameter of longitudinal stays to end plates 2" and 1 3/4" pitch of ditto 2 1/2" & 1 3/2"

How stays are secured 1 3/4 stays are secured by double nuts, 2" are riveted

Diameter of tubes 3 inches, brass, pitch of tubes 4 1/4 ins

Report (if any) on Thickness of tube plates 5/8

Stayed by stay tubes pitch of stays 12 3/4 x 12 3/4

Description of steam receiver none.

Diameter of ditto — length of ditto —

Thickness of plating of ditto — ends —

Ends, how stayed —

James J. Milton

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Foundation

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