

19099 En

Port Cardiff Sep 1 - 11 713 7874
Run 9/10/77 292
447 tons

Details of Main Boilers of the Steam Ship "Alcazar"

Diameter 11 ft. 6" Length 9' 9"

Thickness of shell plates 3/4"

Description of riveting of longitudinal joints *Butt* of circumferential joints *Lap*

Pitch of rivets ditto 2' + 2 1/4" ditto 2'

Diameter of rivets ditto 3/4" ditto 3/4"

Lap of plating ditto 3 1/2" ditto 3 1/2"

No. Size of manholes in circular shell 12 1/2" + 16 1/2"

How compensated for *by a ring 3" + 1/2"*

Number of furnaces in boiler *Three*

Diameter of furnaces 2' 8" Length of furnaces 6' 11"

Thickness of furnace plates 1/2"

Description of joint of furnaces *Lap*

Port Whether strengthened with rings *no* Greatest length between rings

Report (if any) on Hull of Vessel. Thickness of combustion chamber plating 5/8"

Diameter of screw stays to ditto 1 1/2" pitch of stays 8" + 7 1/2"

End plates, thickness 3/4"

Diameter of longitudinal stays to end plates 1 3/4" pitch of ditto 14" + 11"

How stays are secured *Turned angle irons*

Diameter of tubes 3 1/4" pitch of tubes 4 3/4" + 4 3/4"

Thickness of tube plates 11/16"

Stayed by *Stay tubes* pitch of stays 14" + 14"

Description of steam receiver *Dome in Tunnel*

Diameter of ditto 3 ft. length of ditto 5' 10"

Thickness of plating of ditto 1/2" ends 1/2"

Ends, how stayed *One stay in centre 1 1/2 dia*

Boiler returned August - 1844

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