

18612. Iron.

Port

Glasgow

Details of Main Boilers of the Steam Ship

State of Virginia

787 1/2 tons
Dec 11/67

Diameter

13 ft

Length

14' 3"

Thickness of shell plates

1/16"

Description of riveting of longitudinal joints

Welded

of circumferential joints

Double riveted

Pitch of rivets

ditto

ditto

4 1/4"

Diameter of rivets

ditto

ditto

1 1/8"

Lap of plating

ditto

ditto

6"

Size of manholes in circular shell

16" x 12"

How compensated for

By flat ring 4" x 1/8"

Number of furnaces in boiler

Six (three in each end)

Diameter of furnaces

3' 2"

Length of furnaces

6 ft

Thickness of furnace plates

8/16"

Description of joint of furnaces

Double butt straps fitted

Whether strengthened with rings

None

Greatest length between rings

Thickness of combustion chamber plating

8/16"

(transverse water spaces)

Diameter of screw stays to ditto

1 1/4"

pitch of stays

8" x 8" in sides + 8 1/2" x 8 1/2" in backs

End plates, thickness

1/2"

Diameter of longitudinal stays to end plates

2 1/8"

pitch of ditto

13 1/2" one row (the ends at top rounded)

How stays are secured

By double nuts

Diameter of tubes

3 1/2"

pitch of tubes

4 1/2"

Thickness of tube plates

1/16"

Stayed by

Tubes

pitch of stays

13" x 9"

Description of steam receiver

Round Longitudinal

Diameter of ditto

4 ft

length of ditto

14 ft

Thickness of plating of ditto

8/16"

ends

8/16"

Ends, how stayed

No stays. They are off-shopped, composed of six plates



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