

Diam.

Tonn.

18992 Gr

Port

London July 15 1877

Details of Main Boilers of the Steam Ship

Minerva

tons

Diameter

9. 7 1/2

Length

9. 2 1/2

Thickness of shell plates

1 3/16

Description of riveting of longitudinal joints

Double, Lap

of circumferential joints

Double

Pitch of rivets

ditto

3 1/4

ditto

3 1/4

Diameter of rivets

ditto

1 1/16

ditto

1 1/16

Lap of plating

ditto

5 1/2

ditto

5 3/8

Size of manholes in circular shell

11 x 11 1/4

How compensated for

Half ring

Number of furnaces in boiler

Two

Diameter of furnaces

2. 10 outside

Length of furnaces

6. 7 1/2

Top Bottom

Thickness of furnace plates

7/16 top

1/2 Bottom

Description of joint of furnaces

Single riveted Lap

Whether strengthened with rings

No

Greatest length between rings

—

Thickness of combustion chamber plating

1/2

Diameter of screw stays to ditto

1 3/8

pitch of stays

9 x 7 1/2 + 8 3/4 x 7 3/4

End plates, thickness

1 1/16

Diameter of longitudinal stays to end plates

2", 2 1/2 ends

pitch of ditto

13 x 13 1/4

How stays are secured

Double nuts & large washers

Diameter of tubes

3

pitch of tubes

4 1/4 x 4 1/8

Thickness of tube plates

3/4

d by

Solid stay & stay tubes

pitch of stays

12 3/4 x 12 3/8

Option of steam receiver

Dome, neck

Diameter of ditto

2. 5

length of ditto

3. 0

Thickness of plating of ditto

5/8

ends

3/4

Ends, how stayed

4 stay

Tracing submitted & approved 8 Jan 1877

James Mutton

Engineer Surveyor to Lloyd's Register of Shipping.

Foundation