

20041 Jan
Port West Hantsport 9th January 1878
Eclipse 1041 1/3 tons

Details of Main Boilers of the Steam Ship

Diameter 12.5 mean Length 9.10

Thickness of shell plates 1

Description of riveting of longitudinal joints welded of circumferential joints Double

Pitch of rivets ditto " ditto 3 3/4"

Diameter of rivets ditto " ditto 1 1/6"

Thickness of plating ditto " ditto 5 1/2"

Size of manholes in circular shell 15" x 11"

How compensated for Rectangular plates 2 1/2 x 23 x 1 1/6

Number of furnaces in boiler 3

Diameter of furnaces 2' 11" Length of furnaces 6' 4"

Thickness of furnace plates Bottom 9/16 Crown 1/2"

Description of joint of furnaces Butt joints, Double straps, Single twisted

Whether strengthened with rings No Greatest length between rings

Thickness of combustion chamber plating 1/2

Diameter of screw stays to ditto 1 1/2 outside pitch of stays 7/4 x 7

End plates, thickness 13/16

Diameter of longitudinal stays to end plates 2 5/8 outside pitch of ditto 14 3/4 x 14 1/2

How stays are secured With cuts and washers

Diameter of tubes 3 1/4 outside pitch of tubes 14 1/2 x 14 5/8

Thickness of tube plates 13/16

Stayed by Stay tubes pitch of stays 13 1/2 x 9 1/4

Description of steam receiver Vertical steam dome contracted at neck

Diameter of ditto 3' 3" length of ditto 5' 6" overall

Thickness of plating of ditto 1/16 ends 5/8

Ends, how stayed Four stays in dome 2 1/2" outside diameter

All longitudinal seams in shell welded except of one

plate in inner course of shell plating

Shell 51520 x 2 x 1/4 = 1/4 lbs working pressure

149 x 6.5

Combustion chamber plating 100 x 8 1/2 = 122

7 1/4

James Bain

Engineer Surveyor to Lloyd's Register of Shipping.

(1000/4/3/76.)

IRON 475-0504