

16527 Iron

Recd 24/6/76

Port

Sunderland

May

1876

## Details of Main Boilers of the Steam Ship

Coreya

505 tons

Diameter

14' 0"

Length

9' 8"

Thickness of shell plates

1"

Description of riveting of longitudinal joints

double ~~x~~ double butt of circumferential joints

double.

Pitch of rivets

ditto

4' 3/8"

ditto

3' 1/2"

Diameter of rivets

ditto

1"

ditto

1"

Lap of plating

ditto

9"

ditto

5' 1/2"

Size of manholes in circular shell

15' 1/2" x 11' 1/2"

How compensated for

by a rectangular plate 2' 4" x 1' 10" x 3/8"

Number of furnaces in boiler

3

Diameter of furnaces

3' 5"

Length of furnaces

6' 3"

Thickness of furnace plates

1/2"

Description of joint of furnaces

double butt straps and double riveted.

Whether strengthened with rings

none

Greatest length between rings

Thickness of combustion chamber plating

1/2"

Diameter of screw stays to ditto

1' 3/16" at bottom of threads pitch of stays

8" x 8"

End plates, thickness

7/8"

Diameter of longitudinal stays to end plates

2' 1/8"

pitch of ditto

16" x 15"

How stays are secured

they are bolts extending through both ends with double nuts

Diameter of tubes

3' 1/2" ext. diameter

pitch of tubes

4' 3/4" x 4' 3/4"

Thickness of tube plates

1/16"

Stayed by

Stay tubes

pitch of stays

14' 1/4" x 9' 1/2"

Description of steam receiver

dome with a contracted neck.

Diameter of ditto

3' 6"

length of ditto

5' 0"

Thickness of plating of ditto

1/2"

ends

9/16"

Ends, how stayed

m stays. (end is conical)

Shells =  $\frac{51520 \times 2 \times 72}{166 \times 65}$  68 lbs working pressure

Furnace =  $\frac{89600 \times 1/2}{6 1/4 \times 41}$  87 " " "

William Allison.

Engineer Surveyor to Lloyd's Register of Shipping.

Lloyd's Register  
Foundation

IRON 467-0038