

16071 En

Port

Liverpool

31st March 1876

Details of Main Boilers of the Steam Ship

"Han Kwang"

838 tons

Diameter

11' " 6" O.D.

Length

10' " 2" O.D.

Thickness of shell plates

12/16" full

Rec 1/4/76

Description of riveting of longitudinal joints

As per sketch, (over)

of circumferential joints

As per sketch (over)

Pitch of rivets

3

ditto

3" x 3 3/4"

ditto

3" x 2 1/2"

Diameter of rivets

1"

ditto

ditto

1"

Lap of plating

ditto

Butt straps, 12" wide

ditto

5 1/2"

Size of manholes in circular shell

Manholes to boiler, through branches to steam chest

How compensated for

Flanges of steam chest branches

Number of furnaces in boiler

Two

Diameter of furnaces

3' " 6"

Length of furnaces

7' " 0"

Thickness of furnace plates

8/16"

Description of joint of furnaces

Lapped joints, single riveted

Whether strengthened with rings

Yes

Greatest length between rings

3' " 6"

Thickness of combustion chamber plating

7/16"

Diameter of screw stays to ditto

1 1/4"

pitch of stays

7 1/2" x 8 1/2"

End plates, thickness

10/16"

Diameter of longitudinal stays to end plates

1 7/8"

pitch of ditto

15" x 16"

How stays are secured

Double nuts & washers outside

Diameter of tubes

3 1/2" O.D.

pitch of tubes

5" x 5"

Thickness of tube plates

13/16"

Stayed by

Screwed stays, tubes

pitch of stays

14" x 14"

Description of steam receiver

Cylindrical, malleable iron, branches to boiler

Diameter of ditto

3' " 0"

length of ditto

12' " 0"

Thickness of plating of ditto

7/16"

ends

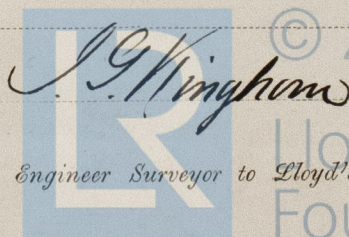
1/2" full

Ends, how stayed

With bracket plates,

Two malleable iron

branches, welded flanges, 7/16" thick to boilers.



Engineer Surveyor to Lloyd's Register of Shipping.

IRON465-0403