

## REPORT ON BOILERS.

No. 34733.

WED. JAN. 20. 1915

Received at London Office

of writing Report

191

When handed in at Local Office

8/11

1914

Port of

Glasgow

ion of S

Survey held at

Barfin

Date, First Survey

3/12/14

Last Survey

29/12/1914

g. Book.

on the

Air Receiver for Raylton Dixon &amp; Co

Vessel No

597

(Number of Visits)

4

Gross

Tons

Net

ter

Built at

By whom built

When built

ines made at

By whom made

When made

made at

By whom made

A. Anderson Sons (No. 1763)

When made

1914

Registered Horse Power

Owners

Port belonging to

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel

James Dunlop &amp; Co Ltd

er for record

5

Total Heating Surface of Boilers

Is forced draft fitted

No. and Description of

iver

One Cylindrical

Working Pressure

100

Tested by hydraulic pressure to

200

Date of test

29/12/14

of Certificate

12991

Can each boiler be worked separately

Area of fire grate in each boiler

No. and Description of

y valves to each boiler

Area of each valve

Pressure to which they are adjusted

they fitted with easing gear

In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler

Least distance between boilers or uptakes and bunkers or woodwork

Mean dia. of boilers

5'-0"

Length

18'-0"

Material of shell plates

Steel

Thickness

13/32

Range of tensile strength

28-32

Are the shell plates welded or flanged

No

rip. of riveting: cir. seams

Single lap long. seams

double lap

Diameter of rivet holes in long. seams

13/16

Pitch of rivets

2 1/2"

of plates or width of butt straps

4"

Per centages of strength of longitudinal joint

rivets

74.5

Working pressure of shell by

104

Size of manhole in shell

15" x 11"

Size of compensating ring

5 1/2 x 7 1/8

No. and Description of Furnaces in each

Material

Outside diameter

Length of plain part

Thickness of plates

crown

bottom

Description of longitudinal joint

No. of strengthening rings

Working pressure of furnace by the rules

Combustion chamber

Material

Thickness: Sides

Back

Top

Bottom

Pitch of stays to ditto: Sides

Back

If stays are fitted with nuts or riveted heads

Working pressure by rules

Material of stays

Diameter at

Least part

Area supported by each stay

Working pressure by rules

End plates in steam space: Material

Steel

Thickness

9/16

of stays

None

How are stays secured

Working pressure by rules

Material of stays

Diameter at smallest part

supported by each stay

Working pressure by rules

Material of Front plates at bottom

Thickness

Material of

Back plate

Thickness

Greatest pitch of stays

Working pressure of plate by rules

Diameter of tubes

of tubes

Material of tube plates

Thickness: Front

Back

Mean pitch of stays

Pitch across wide

spaces

Working pressures by rules

Girders to Chamber tops: Material

Depth and thickness of

at centre

Length as per rule

Distance apart

Number and pitch of Stays in each

Working pressure by rules

Superheater or Steam chest: how connected to boiler

Can the superheater be shut off and the boiler worked

ately

Diameter

Length

Thickness of shell plates

Material

Description of longitudinal joint

Diam. of rivet

Pitch of rivets

Working pressure of shell by rules

Diameter of flue

Material of flue plates

Thickness

fitted with rings

Distance between rings

Working pressure by rules

End plates: Thickness

How stayed

Working pressure of end plates

Area of safety valves to superheater

Are they fitted with easing gear

Survey request form

The foregoing is a correct description,

XXS 1627 attached

A. Anderson &amp; Co Manufacturer.

During progress of work in shops - - -

During erection on board vessel - - -

1914. December. 3<sup>rd</sup>, 16<sup>th</sup>, 23<sup>rd</sup>, 29<sup>th</sup>

Is the approved plan of boiler forwarded herewith

Yes

Total No. of visits

4

GENERAL REMARKS (State quality of workmanship, opinions as to class, &amp;c.)

This Air Receiver has been built under Special Survey, the materials & workmanship are good. It is to the order of Messrs. Allen & Maclellan.

Survey Fee

(Charged on C6491)

2-2-0

When applied for,

3/11/14

1914

Travelling Expenses (if any) £

When received,

1914

P. I. Brown. R. B. Alcheter.

Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute

GLASGOW

19 JAN. 1915

Assigned

TRANSMIT TO LONDON

Lloyd's Register  
Foundation

003534-003540-0034



609



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