

REPORT ON BOILERS.

No. 29493

WED. 16 NOV 1910

Received at London Office

Date of writing Report

19

When handed in at Local Office

12/11/ 1910. Port of

Glasgow

No. in Survey held at

Glasgow

Date, First Survey

10th March 1910Last Survey Nov 8th 1910

Reg. Book.

on the

donkey boiler for s/s "COCONADA"

(Number of Visits 65)

Gross 3958.

Tons Net 2162.

Master

Built at

Whiteinch

By whom built

Barclay Curle & Co. Ltd.

When built 1910

Engines made at

Glasgow

By whom made

Barclay Curle & Co. Ltd.

when made 1910

Boilers made at

Glasgow

By whom made

Barclay Curle & Co. Ltd.

when made 1910

Registered Horse Power

Owners British India Steam Navigation Co. Ltd. Port belonging to

Glasgow

MULTITUBULAR BOILERS

~~MAIN, AUXILIARY OR~~ DONKEY.

Manufacturers of Steel Works, Glasgow, Colvilles, Ltd., & Lanarkshire Steel Co.

(Letter for record)

Total Heating Surface of Boilers

1220 sq ft

Is forced draft fitted

no

No. and Description of

Boilers

One single ended

Working Pressure

100 lb.

Tested by hydraulic pressure to 200

Date of test 17-9-10

No. of Certificate

10587

Can each boiler be worked separately

Area of fire grate in each boiler

35 sq ft

No. and Description of

safety valves to each boiler

double sprung loaded

Area of each valve

5.94 sq in

Pressure to which they are adjusted

100

Are they fitted with easing gear

yes

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

no

Smallest distance between boilers or uptakes and bunkers or woodwork

12"

Mean dia. of boilers

12'-0"

Length

10'-0"

Material of shell plates

steel

Thickness

1/16"

Range of tensile strength

28/32

Are the shell plates welded or flanged

no

Descrip. of riveting: cir. seams

DR. Lap. long. seams

DR. DR. S.

Diameter of rivet holes in long. seams

7/8"

Pitch of rivets

4 5/8"

Top of plates or width of butt straps

9 1/4"

Per centages of strength of longitudinal joint

rivets 84.2

Working pressure of shell by

plate 81

rules

III

Size of manhole in shell

17" x 13"

Size of compensating ring

8" x 3 1/4"

No. and Description of Furnaces in each

boiler

2 plain

Material

steel

Outside diameter

3'-7 1/4"

Length of plain part

top 6'-0"

Thickness of plates

crown 5/8"

bottom 5/8"

Description of longitudinal joint

weld

No. of strengthening rings

none

Working pressure of furnace by the rules

133

Combustion chamber

plates: Material

steel

Thickness: Sides

1/2"

Back

1/2"

Top

1/2"

Bottom

7/8"

Pitch of stays to ditto: Sides 8" x 9"

Back 8" x 9"

Top 8" x 9"

If stays are fitted with nuts or riveted heads

J. hubs

Working pressure by rules

106

Material of stays

steel

Diameter at

smallest part

96"

Area supported by each stay

72"

Working pressure by rules

106

End plates in steam space: Material

steel

Thickness

15/16"

Pitch of stays

17" x 17"

How are stays secured

J. hubs

Working pressure by rules

136

Material of stays

steel

Diameter at smallest part

3.26"

Area supported by each stay

289"

Working pressure by rules

117

Material of Front plates at bottom

steel

Thickness

13/16"

Material of

Lower back plate

steel

Thickness

1/16"

Greatest pitch of stays

13 1/2" x 9"

Working pressure of plate by rules

124

Diameter of tubes

3 1/4"

Pitch of tubes

4 1/2" x 4 1/2"

Material of tube plates

steel

Thickness: Front

13/16"

Back

3/4"

Mean pitch of stays

abt. 10"

Pitch across wide

water spaces

14 1/4"

Working pressures by rules

116

Girders to Chamber tops: Material

steel

Depth and thickness of

girder at centre

7" x 2 @ 5/8"

Length as per rule

2'-5 3/4"

Distance apart

9"

Number and pitch of Stays in each

2 @ 8"

Working pressure by rules

112

Superheater or Steam chest: how connected to boiler

none

Can the superheater be shut off and the boiler worked

separately

Diameter

Length

Thickness of shell plates

Material

Description of longitudinal joint

Diam. of rivet

holes

Pitch of rivets

Working pressure of shell by rules

Diameter of flue

Material of flue plates

Thickness

If stiffened 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

The foregoing is a correct description,

FOR BARCLAY, CURLE & CO., LTD. Manufacturer.

Charles Lamborn Smith

Is the approved plan of boiler forwarded herewith

Forwarded with report No 29387.

Dates of Survey

During progress of work in shops - -

while building

During erection on board vessel - - -

See accompanying report.

Total No. of visits 65.

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

See report on machinery.

Survey Fee £

When applied for.

19

Travelling Expenses (if any) £

When received.

19

Committee's Minute

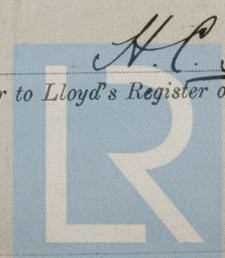
GLASGOW

15 NOV. 1910

Assigned

See Minute on machy report.

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



Lloyd's Register Foundation

W1637-0275