

## REPORT ON BOILERS.

No. 18626.

-8 DEC 1926

Received at London Office

Date of writing Report

28/10/26

When handed in at Local Office

1st December, 1926.

Port of Greenock

No. in

Survey held at

Greenock

Date, First Survey

18th February, 1926.

Last Survey

1st December

1926.

Reg. Book.

on the

S/S "Margot"

(Number of Visits 55)

Gross

Tons

Net

Master

Built at

Glasgow

By whom built

Lithgow &amp; Co. 484

When built 1926

Engines made at

Greenock

By whom made

Rankin &amp; Blackmore 1279 (418)

When made

1926

Boilers made at

ditto

By whom made

ditto

(418)

When made

1926

Registered Horse Power

Owners

Port belonging to London.

MULTITUBULAR BOILERS—MAIN, ~~AUXILIARY OR DONKEY~~.

Manufacturers of Steel Sell &amp; Sutherland &amp; Co. Ltd. 29.

Letter for record

S

Total Heating Surface of Boilers

6489 sq ft

Is forced draft fitted

Yes

No. and Description of

Boilers

3 Single Ended

Working Pressure

200

Tested by hydraulic pressure to

250

Date of test

7. 9. 26

No. of Certificate

1435

Can each boiler be worked separately

Yes

Area of fire grate in each boiler

58.6

No. and Description of

Safety valves to each boiler

2 Direct Spring

Area of each valve

9.62 sq ft

Pressure to which they are adjusted

200

Are they fitted with easing gear

Yes

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

Smallest distance between boilers or uptakes and bunkers or woodwork

1' 4"

Mean dia. of boilers

14' 6"

Length

11' 6"

Material of shell plates

S

Thickness

1 5/16"

Range of tensile strength

28/32

Are the shell plates welded or flanged

Yes

Descrip. of riveting: cir. seams

DR

long. seams

TR &amp; DBS

Diameter of rivet holes in long. seams

13/8"

Pitch of rivets

9 1/2"

width of butt straps

1' 8 1/4"

Per centages of strength of longitudinal joint

rivets 91.4

plate 86.5

Working pressure of shell by

Rules

202

Size of manhole in shell

16" x 12"

Size of compensating ring

34 1/2" x 29 3/4" x 1 5/16"

No. and Description of Furnaces in each

Boiler

3 Corrugated

Material

S

Outside diameter

3-9 1/4"

Length of plain part

top

bottom

Thickness of plates

crown

19/32"

Description of longitudinal joint

weld

No. of strengthening rings

Yes

Working pressure of furnace by the rules

205

Combustion chamber

Plates: Material

S

Thickness: Sides

23/32"

Back

23/32"

Top

23/32"

Bottom

25/32"

Pitch of stays to ditto: Sides 8 1/8" x 10" Back 9 1/4" x 9 1/2"

Top 10 3/16" x 8 3/4"

If stays are fitted with nuts or riveted heads

Ribs

Working pressure by rules 201.

Material of stays

S

Area at

Smallest part

203.24

Area supported by each stay

84.84

Working pressure by rules

207

End plates in steam space: Material

S

Thickness

1 5/16"

Pitch of stays

19 1/2" x 18 1/2"

How are stays secured

ON

Working pressure by rules

201.

Material of stays

S

Area at smallest part

7.24 sq ft

Area supported by each stay

260.4

Working pressure by rules

202

Material of Front plates at bottom

S

Thickness

1"

Material of

Lower back plate

S

Thickness

7/8"

Greatest pitch of stays

13 1/4"

Working pressure of plate by rules

206

Diameter of tubes

2 3/4"

Pitch of tubes

3 1/2" x 3 7/8"

Material of tube plates

S

Thickness: Front

1"

Back

3/4"

Mean pitch of stays

9.7

Pitch across wide

Water spaces

13 1/2"

Working pressures by rules

204

Girders to Chamber tops: Material

S

Depth and thickness of

Girder at centre

9 3/4" x 13 1/16" (2)

Length as per rule

34.62

Distance apart

103 1/16"

Number and pitch of Stays in each

3 at 8 3/4"

Working pressure by rules

203

Steam dome: description of joint to shell

% of strength of joint

Diameter

Thickness of shell plates

Material

Description of longitudinal joint

Diam. of rivet holes

Pitch of rivets

Working pressure of shell by rules

Crown plates

Thickness

How stayed

## SUPERHEATER. Type

Date of Approval of Plan

Tested by Hydraulic Pressure to

Date of Test

Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler

Diameter of Safety Valve

Pressure to which each is adjusted

Is Easing Gear fitted

The foregoing is a correct description,

RANKIN &amp; BLACKMORE, LTD.,

Manufacturer.

Is the approved plan of boiler forwarded herewith

Yes

Total No. of visits

Dates Survey while building

During progress of work in shops - - During erection on board vessel - -

See Machinery Report.

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

These Boilers have been built under Special Survey in accordance with the approved class & the workmanship & material are of good quality. They have now been secured fitted on board. This Rept. accompanies that of the Machinery.

Survey Fee

When applied for, 19.

Travelling Expenses

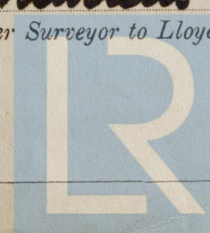
When received, 19.

Committee's Minute

GLASGOW 7-DEC 1926

Signed See accompanying Mach. Report.

Engineer Surveyor to Lloyd's Register of Shipping.



Lloyd's Register of Shipping