

## REPORT ON BOILERS.

No. 50166

26 FEB 1930

Received at London Office

Date of writing Report

19

When handed in at Local Office

19. 2. 1930

Port of

GLASGOW

No. in Survey held at

Annan

Date, First Survey

19. 12. 29

Last Survey

14<sup>th</sup> February

1930

Reg. Book.

84463 on the

Boiler N<sup>o</sup> 11549

TWIN SC. SILVERTEAK

(Number of Visits 5)

Gross

Tons

Net

Master

Built at

BELFAST

By whom built

HARLAND & WOLFF L<sup>td</sup>.

When built

1930

Boilers made at

Annan

By whom made

Messrs Bouchon & Co. L<sup>td</sup> Annan L<sup>td</sup>

When made

1930

Owners SILVER LINE L<sup>td</sup> (STANLEY & JOHN THOMPSON L<sup>td</sup> MGRS.)

Port belonging to

LONDON.

## VERTICAL DONKEY BOILER—

No. One

Description

Vertical

Manufacturers of steel D. Caldwell & Sons L<sup>td</sup>

Made at

Annan

By whom made

Messrs Bouchon & Co. Annan L<sup>td</sup>

When made

1930

Where fixed

Motor Room

Working pressure

150

tested by hydraulic pressure to

275

Date of test

14.2.30

No. of Certificate

18606

Fire grate area

31.5

Description of safety valves

Enclosed spring

No. of safety valves

2

Area of each

4.9

Pressure to which they are adjusted

If fitted with easing gear

Yes

If steam from main boilers can

enter the donkey boiler

No

Diameter of donkey boiler

7.6

Length

18.9

Material of shell plates

Steel

Thickness

25/32, 31/32, 25/32

Range of tensile strength

28-32

Description of riveting long. seams

D. R. Lap

Diameter of rivet holes

1 3/16

Whether punched or

drilled

drilled

Pitch of rivets

3.602, 3.58, 3.416

Lap of plating

5 3/4

Per centage of strength of joint

Rivets 64.5

Working pressure of shell by

Plates 65.4

rules 158.8

Thickness of shell crown plates

1 1/8

Radius of do.

3.9

No. of stays to do.

Diameter of stays

Diameter of

furnace—Top

Bottom

6.6

Length of furnace

Thickness of furnace side plates

pressure of furnace by rules

155

Thickness of Ogee ring

1 1/8

Working pressure of Ogee ring by rules

158.8

Thickness of furnace

crown plates

23/32

Radius of do.

3.3

Stayed by

Hemisphere

Diameter of uptake

2 1/2 x 25

Thickness of uptake

plates

9/16

Thickness of tube plates

front 1 3/32

back 1 1/4

Mean pitch of stay tubes in nest

12.17

Pitch in outer vertical rows

7.974

Diameter of tube holes

FRONT

stay 2 1/16

BACK

stay 2 1/2

Working pressure of tube plates by rules

F. 152.5

B. 163.5

Tubes: Material

Woot Iron

External diameter

stay 2 1/2

plain 2 9/16

Thickness

stay 1 3/32

plain 1 1/4

No. of threads per inch

9

Pitch of tubes

3 9/16 x 3.837

Working pressure by rules

175

Manhole compensation; Size of opening in shell plate

12" x 16"

Section of compensating

ring

6 1/2 x 1 7/32

No. of rivets and diameter of rivet holes

36 off. 1 3/16 dia

Outer row pitch at ends

3.96

The foregoing is a correct description,

J. E. WOODHAM & CO. L<sup>td</sup> MANUFACTURERS

J. E. WOODHAM

Manufacturer.

Dates

of Survey

while

building

During progress of work in shops - -

19 29 Dec 19 (1930) Jan 10 24 31 Feb 14

During erection on board vessel - -

Total No. of visits

5

Drawing No.

17331

Is the approved plan of boiler forwarded herewith

Yes

## GENERAL REMARKS

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

This boiler has been built under survey, in accordance with the rules and approved plan.

The materials and workmanship are good.

This boiler has been built to the order of Messrs Harland & Wolff L<sup>td</sup> Belfast, and is intended for their N<sup>o</sup> 884

The boiler has been efficiently fastened on a seat on the tank top at the starboard forward side of the motor room. The safety valves were adjusted under steam to 150 lbs. The boiler is oil-fired. Accumulation did not exceed 5 lbs.

R. Lee Annan

Belfast.

Survey Fee

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...

£

4

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4

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When applied for

19

Travelling Expenses (if any)

£

:

:

:

When received

19

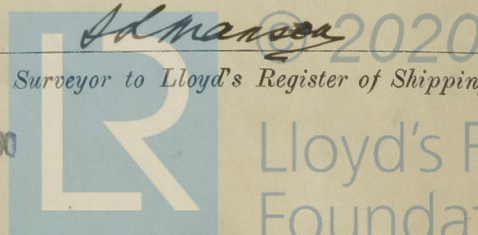
MONTHLY ACCOUNT

Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW 25 FEB 1930

Assigned TRANSMIT TO LONDON

FRI. 26 SEP 1930



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