

REPORT ON BOILERS.

Ref. No. 44 07

No. 50122

12 FEB 1930

Received at London Office

Date of writing Report

10

When handed in at Local Office

8

2

1930

Port of

GLASGOW

No. in Survey held at

Annan

Date, First Survey

22

11

29

Last Survey

31

st

January

1930

(Number of Visits

5

Gross

Tons

Net

Reg. Book.

42555 on the

Boiler No 11547

Tide No.

SILVERCRESS

Master

Built at Belfast

By whom built

Harland & Wolff Ltd.

When built

1930

Boilers made at

Annan

By whom made

Messrs Buchanan & Co. Annan Ld. Scotland

When made

1930

Owners

Silver Line Co. (Stanley John Thompson) Ltd. Mps)

Port belonging to

London

VERTICAL DONKEY BOILER

No. One

Description

Vertical

Manufacturers of steel

R. Bullock & Sons Ltd.

Made at

Annan

By whom made

Buchanan & Co. Annan Ld.

When made

1930

Where fixed

Working pressure

15.0

tested by hydraulic pressure to

27.5

Date of test

31-1-30

No. of Certificate

18593

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

150 lb

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

3/32

25/32

tensile strength

28.32

Description of riveting long. seams

D.R. Lap

Diameter of rivet holes

1 3/16

Whether punched or

drilled

Pitch of rivets

3.602

3.558

3.416

Lap of plating

5 3/4

Per centage of strength of joint

Rivets

64.5

Working pressure of shell by

5.8.8

Thickness of shell crown plates

1/8

Radius of do.

3.9

No. of stays to do.

Diameter of stays

Diameter of

Top

Bottom

6.6

Length of furnace

Thickness of furnace side plates

Description of joint

Working

of furnace by rules

15.5

Thickness of Ogee ring

1/8

Working pressure of Ogee ring by rules

15.8.8

Thickness of furnace

Dates

23/32

Radius of do.

3 1/3

Stayed by

Hemisphere

9/16

Thickness of tube plates

front

1 1/32

back

1/16

Mean pitch of stay tubes in nest

12.17

Pitch in outer vertical rows

7.874

er of tube holes

FRONT

stay

2 1/4

BACK

stay

2 1/2

Working pressure of tube plates by rules

F. 152.5

B. 163.5

Tubes: Material

What Iron

al diameter

stay

2 1/2

Thickness

stay

1/32

No. of threads per inch

9

Pitch of tubes

3.9 1/8 x 3.937

ing pressure by rules

175

Manhole compensation; Size of opening in shell plate

16" x 12"

Section of compensating

6 1/2 x 1 7/32

No. of rivets and diameter of rivet holes

36 off. at 1 3/16

Outer row pitch at ends

3.96

The foregoing is a correct description,

W. W. G. WOODHAM & CO. LTD. ANNAN, LIMITED

W. E. Woodham

Manufacturer.

Drawing No.

17331

es

During progress of

work in shops

ey

During erection on

board vessel

ing

Total No. of visits

5

Is the approved plan of boiler forwarded herewith

Yes

GENERAL REMARKS

(State quality of workmanship, opinions as to class, &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 Ld. Belfast, and is intended for their No. 882.

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

R. E. Annan
Belfast

Survey Fee ...

£ 4 : 4 :

When applied for

19

Travelling Expenses (if any) £

:

When received

19

Committee's Minute

GLASGOW

Assigned

TRANSMIT TO LONDON

11 FEB 1929

Engineer Surveyor to Lloyd's Register of Shipping.

FEB 12 1930

Lloyd's Register
Foundation

W516-0343