

RECEIVED

MAY 1944

## REPORT ON BOILERS.

Ser. No. 34096

Ser. No. 68450

Received at London Office

18 MAY 1944

Date of writing Report

19

When handed in at Local Office

9

5

19

Port of

GLASGOW.

No. in Survey held at

ANNAN

Date, First Survey

24 12 43

Last Survey

5.5.

19 44.

Reg. Book.

"REGISTAN"

(Number of Visits

12

Gross

7368

Net

5039

Built at

By whom built

Burntisland S.S. Co. Ltd.

Yard No.

230 719

When built

Boilers made at

Annan

By whom made

Cochran &amp; Co. Annan Ltd.

Boiler No.

15917

When made

1944

Owners

J.C. Stuck L.

Port belonging to

London.

## VERTICAL DONKEY BOILER

No. One

Description Composite

Manufacturers of steel

Colvilles Ltd.

Made at

By whom made

Cochran &amp; Co. Annan Ltd.

When made

1944

Where fixed

Working pressure 120 lbs.

tested by hydraulic pressure to

230

Date of test

5.5.44.

No. of Certificate

21723

Fire grate area

Exhaust gas or oil

Description of safety valves

ordinary

No. of safety valves

2

Area of each

7.06

Pressure to which they are adjusted

120

If fitted with easing gear

yes

If steam from main boilers can

enter the donkey boiler

Range of tensile strength

28-32

Description of riveting long. seams

D.R. LAP

Diameter of rivet holes

1 1/32"

Whether punched or

drilled

Pitch of rivets

3.15" 1.13" 3 1/8"

Lap of plating

rules

126

Thickness of shell crown plates

19" 1 1/32"

Radius of do.

4'0"

No. of stays to do.

Diameter of stays

Diameter of

furnace—Top

Bottom

pressure of furnace by rules

144

Thickness of Ogee ring

1 1/32"

Working pressure of Ogee ring by rules

124

Thickness of furnace

crown plates

23/32"

Radius of do.

3'6"

plates

5"

Thickness of tube plates

front 1 1/32"

back 1 1/32"

Mean pitch of stay tubes in nest

8.72" 8.36"

Pitch in outer vertical rows

5 1/4" x 6.37"

Diameter of tube holes

FRONT

External diameter

stay 2" 1 1/2"

plain 2" 1 1/2"

Thickness

stay 11/32"

No. of threads per inch

9

Pitch of tubes

2 5/8" x 2 11/16" x 3.187"

Tubes: Material

S

Working pressure by rules

215

Manhole compensation; Size of opening in shell plate

21" x 17"

Section of compensating

ring

7 1/2" x 1 1/32"

No. of rivets and diameter of rivet holes

40 @ 1 1/32"

Outer row pitch at ends

4.03

The foregoing is a correct description,

FOR COCHRAN &amp; CO. ANNAN, LTD.

Drawing No. 28662

Dates of Survey while building

During progress of work in shops - -

During erection on board vessel - -

Total No. of visits

1943 Dec 24 31 1944 Jan 28 Feb 11 25 Mar 8 22 30 Apr 10 24 30 May 5

12

Is the approved plan of boiler forwarded herewith No. Retained for duplicate cases

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

The materials and workmanship are good.

The boiler has been constructed under special survey.

The Boiler will be sent to Burntisland to be fitted on board the vessel.

Heating Surface - Oil Fired 538 sq. ft. Exhaust gas nest - 515 sq. ft. Total 1053 sq. ft.

This boiler has been securely fixed on board the vessel & safety valves adjusted to working pressure as above. In recommendations please see machinery Rpt.

H. C. Davis

Survey Fee ... £ 5 : 14 :

When applied for

Travelling Expenses (if any) £ :

When received

H. C. Davis

Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute

GLASGOW 16 MAY 1944

Assigned for completion

THURS 21 DEC 1944

See Rpt. for machinery Rpt.

Lloyd's Register Foundation

002127-002137-0084