

Rpt. 5e.

REPORT ON BOILERS.

No. 69861

Received at London Office

20 AUG 1945

Date of writing Report

10

When handed in at Local Office

11. 8. 45

Port of

GLASGOW.

No. in Survey held at
Reg. Book.

ANNAN.

Date, First Survey

21. 12. 44

Last Survey

10th August, 19 45.

(Number of Visits)

18

Gross

Net

on the

Built at ~~GREAT YARMOUTH~~

By whom built

~~CRABTREE (1931) LTD.~~

Yard No.

When built 1945.

Boilers made at

ANNAN

By whom made

COCHRAN & CO. ANNAN,
LTD.

Boiler No.

16459

When made 1945.

Owners

Port belonging to

VERTICAL DONKEY BOILER— No. One Description Cochran

Manufacturers of steel

Colvilles Ltd.,

Made at ANNAN.

By whom made

Cochran & Co. Annan, Ltd.

When made

1945.

Where fixed

Working pressure 125 lbs.

tested by hydraulic pressure to 238

Date of test

10-8-45.

No. of Certificate

21990

Fire grate area

26.75

Description of safety valves

Ordinary

No. of safety valves

2

Area of each

4.9"

Pressure to which they are adjusted

120 lb

If fitted with easing gear

Yes

If steam from main boilers can

enter the donkey boiler

Diameter of donkey boiler

7'-0"

Length

14'-0"

Material of shell plates

S

Thickness 19/32" 23/32"

Range of tensile strength

2 8-32

Description of riveting long, seams

D.R. LAP

Diameter of rivet holes

31/32"

Whether punched or

drilled

Pitch of rivets

2.962"

Lap of plating

4 3/4"

Per centage of strength of joint

Rivets 68.9

Working pressure of shell by

rules 129.7

Thickness of shell crown plates

1" x 17/32"

Radius of do.

3'-6"

No. of stays to do.

-

Diameter of stays

-

Diameter of

furnace—Top

Bottom

6'-0"

Length of furnace

-

Thickness of furnace side plates

21/32"

Description of joint

Seamless.

Working

pressure of furnace by rules

152

Thickness of Ogee ring

1"

Working pressure of Ogee ring by rules

133

Thickness of furnace

crown plates

21/32"

Radius of do.

3'-0"

Stayed by

Hemisphere

Diameter of uptake

16" x 20"

Thickness of uptake

plates

1/2"

Thickness of tube plates

front 1 1/16"

back 1"

Mean pitch of stay tubes in nest

10.77"

Pitch in outer vertical rows

8"

Diameter of tube holes FRONT

stay 2 11/16"

BACK

stay 2 1/2"

plain 2 9/16"

Working pressure of tube plates by rules

F: 126.2

Tubes: Material

S

External diameter

stay 2 1/2"

plain 2 1/2"

Thickness

stay 11/32"

plain 10 L.S.G.

No. of threads per inch

9

Pitch of tubes

4" x 3 3/4"

Working pressure by rules

175

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 @ 31/32"

Outer row pitch at ends

4 1/2"

The foregoing is a correct description,

E. K. R.

FOR COCHRAN & CO. ANNAN, LTD.

Dates

During progress of

work in shops— 1944 Dec 21, 1945 Jan 10, Feb 2, 14, 21, Mar 2, 23, Apr 6, 20, May 3, 18

Drawing No.

29465.

of Survey

while

building During erection on

board vessel—

Total No. of visits

18

Is the approved plan of boiler forwarded herewith

No

Retained for Duplicate Cases.

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

The materials and workmanship are good.

The Boiler has been constructed under special survey.

To the Order of the Admiralty for a Steam Lighter building by Messrs. Crabtree (1931) Ltd.,
Great Yarmouth.

Survey Fee £ 4 : 4 : 0

When applied for

Monthly ac.

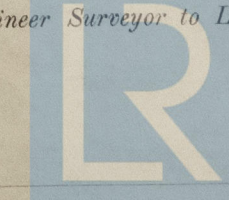
Travelling Expenses (if any) £ : : :

When received

19

L. C. Davis

Engineer Surveyor to Lloyd's Register of Shipping.

Lloyd's Register
Foundation

009640-009646-0121

Committee's Minute

GLASGOW

14 AUG 1945

Assigned Transmit to Wokingham