

REPORT ON BOILERS.

No. 48870

Received at London Office

13 FEB 1929

Writing Report

19

When handed in at Local Office

6 2 1929

Port of

Glasgow

Survey held at

Annan

Date, First Survey

23. 1. 29

Last Survey

5th February 1929

ok.

on the BOILER No. 10326 for the M. V. "British Consul"

Tons

Gross 1425

Net 514.

Built at Newcastle

By whom built Swan Hunter & Wigham Richardson & Co. Ltd

When built 1928

made at Annan

By whom made Messrs Cochran & Co. Annan Ltd

When made 1929

British Tankers Co. Ltd.

Port belonging to Swansea

VERTICAL DONKEY BOILER—

No. One

Description

Vertical

Manufacturers of steel D. Colville & Sons

at Annan

By whom made

Cochran & Co Annan

When made

1929

Where fixed engine room

Working pressure 125 lbs.

by hydraulic pressure to 238 lbs.

Date of test

5-2-29

No. of Certificate

18175

Fire grate area

22.5 sq ft

Description of safety valves

Enclosed Spring

safety valves

Two

Area of each

4.9

Pressure to which they are adjusted

125 lbs.

If fitted with easing gear

yes

If steam from main boilers can

the donkey boiler

no

Diameter of donkey boiler

6'-6"

Length

16'-3"

Material of shell plates

Steel

Thickness

17/32" 2 1/32" 17/32"

of tensile strength

28-32 tons

Description of riveting long. seams

D. R. Lap

Diameter of rivet holes

29/32"

Whether punched or

drilled

Pitch of rivets

2.782" 2.823" 2.865"

Lap of plating

4 1/2"

Per centage of strength of joint

Rivets

Working pressure of shell by

125.2 lbs.

Thickness of shell crown plates

15/16" 15/32"

Radius of do.

3'-3"

No. of stays to do.

✓

Diameter of stays

✓

ce—Top

✓

Bottom

5'-6"

Length of furnace

3'-7 1/2"

Thickness of furnace side plates

✓

Description of joint

✓

ure of furnace by rules

133.2 lbs.

Thickness of Ogee ring

15/16"

Working pressure of Ogee ring by rules

125.6 lbs.

Thickness of furnace

plates

17/32"

Radius of do.

2'-9"

Stayed by

Hemisphere

Diameter of uptake

15" x 23"

Thickness of uptake

s

Thickens of tube plates

front 1" back 29/32"

Mean pitch of stay tubes in nest

11-6"

Pitch in outer vertical rows

8"

eter of tube holes

FRONT

stay 2 1/16"

BACK

stay 2 1/2"

Working pressure of tube plates by rules

F. 127.2 lbs.

B. 138.6 lbs.

Tubes: Material

Wrought iron

ernal diameter

stay 2 1/2"

plain 2 9/16"

stay 1 1/32"

plain 2 1/2"

No. of threads per inch

9

Pitch of tubes

3 9/16" x 4"

king pressure by rules

125 lbs.

Manhole compensation: Size of opening in shell plate

16" x 12"

Section of compensating

6" x 2 7/32"

No. of rivets and diameter of rivet holes

36 of 29/32"

Outer row pitch at ends

4"

The foregoing is a correct description.

COCHRAN & CO., ANNAN, LIMITED

Manufacturer.

J. E. Woodman

Drawing No.

16916

During progress of work in shops—
 During erection on board vessel—
 Total No. of visits

1929 Jan 23 Feb 5

2

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 is to the order Messrs Swan Hunter & Wigham Richardson & Co. Ltd

and intended for Ship No. 1254

This boiler has not been securely fitted on board the vessel

its safety valves adjusted under steam to above working pressure.

Survey Fee ... £ 4-4-0

When applied for

19

Travelling Expenses (if any) £

When received

19

Fitting on board £ 1-1-0

Paid 8/5/29

23.4.29

12 FEB 1929

TUE. 7 MAY 1929

Committee's Minute

GLASGOW

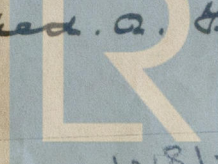
Assigned

TRANSMIT TO LONDON

G. E. Murdoch

Engineer Surveyor to Lloyd's Register of Shipping.

Fred. A. Ferguson



Lloyd's Register Foundation