

## REPORT ON BOILERS.

No. 47478

11 JAN 1928

Date of writing Report

19

When handed in at Local Office

7. 1. 1928

Received at London Office

Port of

Glasgow.

25 APR 1928

No. in Survey held at  
Reg. Book.

Annan

Date, First Survey

21.10.27

Last Survey

6-1-1928

on the

BOILER N° 10444 ✓

m. v. El Argentino

(Number of Visits 12.)

Tons

Gross 9501

Net 6023

Master

Built at

Glasgow

By whom built

Fairfield S. B. &amp; Co. Ltd

When built

1928

Boilers made at

Annan

By whom made

Messrs Cochran &amp; Co. Annan Ltd

When made

1928

Owners

British &amp; Argentine S. N. Co

Port belonging to

London

## VERTICAL DONKEY BOILER—

No. ONE ✓

Description

VERTICAL ✓

Manufacturers of steel

David Colville &amp; Son ✓

Made at

Annan ✓

By whom made

Cochran &amp; Co Annan Ltd

When made

1928 ✓

Where fixed

Working pressure 125 lbs ✓

tested by hydraulic pressure to

238 lbs

Date of test

6/1/28 ✓

No. of Certificate

17734 ✓

Fire grate area

37 sq ft ✓

Description of safety valves

No. of safety valves

Area of each

Pressure to which they are adjusted

If fitted with easing gear

If steam from main boilers can

enter the donkey boiler

Diameter of donkey boiler

8'-0" ✓

Length

18'-9" ✓

Material of shell plates

Steel ✓

Thickness

3/32", 25/32", 21/32" ✓

Range of tensile strength

29/32 lbs ✓

Description of riveting long. seams

D.R. Lap ✓

Diameter of rivet holes

1 1/2" ✓

Whether punched or

drilled

Drilled ✓

Pitch of rivets

3", 3.169, 3.096" ✓

Lap of plating

5" ✓

Per centage of strength of joint

Rivets 67.5

Plates 65.55

Working pressure of shell by

rules

125.3 lbs ✓

Thickness of shell crown plates

1/32", 1/16" ✓

Radius of do.

4'-0" ✓

No. of stays to do.

✓

Diameter of stays

✓

Diameter of

furnace—Top

Hemispherical ✓

Bottom

7'-0" ✓

Length of furnace

4'-4 1/4" ✓

Thickness of furnace side plates

23/32" ✓

Description of joint

Seamless ✓

Working

Ogee Ring

✓

pressure of furnace by rules

143.8 lbs ✓

Thickness of Ogee ring

1 1/16" ✓

Working pressure of Ogee ring by rules

132 lbs ✓

Thickness of furnace

crown plates

23/32" ✓

Radius of do.

3'-6" ✓

plates

9 1/16" ✓

Thickness of tube plates

front 1 1/32" ✓

back 23/32" ✓

Mean pitch of stay tubes in nest

10.88" ✓

Pitch in outer vertical rows

9" ✓

Diameter of uptake

21 1/2" x 25" ✓

Thickness of uptake

plates

9 1/16" ✓

Diameter of tube holes

FRONT stay 2 1/4" ✓

plain 2 3/8" ✓

BACK stay 2 1/2" ✓

plain 2 3/8" ✓

Working pressure of tube plates by rules

FRONT 126.5 lbs ✓

BACK 134.5 lbs ✓

Tubes: Material

Wrot Iron

✓

External diameter

stay 2 1/2" ✓

plain 2 1/2" ✓

Thickness

stay 1 1/32" ✓

plain 1 1/16" ✓

No. of threads per inch

9 ✓

Pitch of tubes

3 1/8" x 4 1/2" ✓

Working pressure by rules

125 lbs ✓

Manhole compensation: Size of opening in shell plate

16" x 12" ✓

ring

12" x 3 1/2" ✓

No. of rivets and diameter of rivet holes

36 @ 1 1/2" ✓

Outer row pitch at ends

3 7/8" ✓

Section of compensating

The foregoing is a correct description,

For COCHRAN &amp; CO., ANNAN, LIMITED

H.C. Woodhouse

Manufacturer.

Dates

During progress of

work in shops— 1927 Oct. 21-28 Nov. 4-11-21-25 Dec. 2-9-16-20-23 Jan. 6.

Drawing No.

15544

of Survey

while

building

During erection on

board vessel - -

Total No. of visits

12

Capt. of.

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

Materials and workmanship good.

This boiler is to the order of Messrs Fairfield Shipbuilding Co. Ltd and

intended for their new vessel No 629.

For classification.

Survey Fee

...

...

£

4

:

4

:

When applied for

19.

Travelling Expenses (if any) £

When received

19.

MONTHLY ACCOUNT

Glen S. Thomas

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Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute

GLASGOW

10 JAN 1928

Assigned

TRANSMIT TO LONDON

See Gen. Rpt. No. 47850

GLASGOW 24 APR 1928

Lloyd's Register Foundation

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