

REPORT ON BOILERS.

No. 47490

Date of writing Report

19

When handed in at Local Office

16.1.

1928

Received at London Office

18 JAN 1928
25 APR 1928

Port of Glasgow.

No. in Survey held at
Reg. Book.

Annan.

Date, First Survey

21.10.27

Last Survey

12.1.1928

on the

BOILER No 10445

M. V. El Argentino

(Number of Visits 13)

Gross 9501

Tons Net 6023

Master

Built at

Glasgow

By whom built

Fairfield S. B. & Co. Ltd

When built

1928

Boilers made at

Annan

By whom made

Messrs Cochran & Co. Annan Ltd

When made

1928

Owners British & Argentine S. N. Co

Port belonging to

London

VERTICAL DONKEY BOILER—

No. ONE

Description

VERTICAL

Manufacturers of steel

D. Colville & Sons, Ltd.

Made at

Annan

By whom made

Cochran & Co. Annan Ltd

When made

1928

Where fixed

Working pressure 125 lbs

tested by hydraulic pressure to

238 lbs

Date of test

12/1/28

No. of Certificate

17737

Fire grate area

37 sq

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", 3/32"

Range of tensile strength

28/32 lbs

Description of riveting long. seams

S.R. Lap.

Diameter of rivet holes

1 1/2"

Whether punched or

drilled

Drilled

Pitch of rivets

3", 3.164, 3.096"

Lap of plating

5"

Per centage of strength of joint

Rivets

67.5

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

Hemispheric

Bottom

7'-0"

Length of furnace

4'-4 1/2"

Thickness of furnace side plates

23/32"

Description of joint

Riveted

pressure of furnace by rules

143.8 lbs

Thickness of Ogee ring

1 1/16"

Working pressure of Ogee ring by rules

132 lbs

crown plates

23/32"

Radius of do.

3'-6"

Stayed by

Hemispheric

Diameter of uptake

21 1/2" x 25"

Thickness of uptake

9"

plates

9 1/16"

Thickness of tube plates

front 1/32"

back 3/32"

Mean pitch of stay tubes in nest

10.88"

Pitch in outer vertical rows

9"

Diameter of tube holes

FRONT stay 2 1/16"

BACK stay 2 1/2"

FRONT plain 2 1/16"

BACK plain 2 1/2"

Working pressure of tube plates by rules

FRONT 126.5 lbs

BACK 134.5 lbs

External diameter

stay 2 1/2"

plain 2 1/2"

Thickness

stay 1/32"

plain 11 L.S.C.

No. of threads per inch

9

Pitch of tubes

3 9/16" x 4 1/2"

Working pressure by rules

125 lbs

Manhole compensation: Size of opening in shell plate

16" x 12"

Section of compensating

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"

The foregoing is a correct description.

For COCHRAN & CO., ANNAN, LIMITED

Manufacturer.

W. H. Deather, Works Manager

Drawing No. 15544

Dates

During progress of work in shops— 1927 Oct. 21. 28 Nov. 4. 11. 21. 25 Dec. 2. 7. 16. 20. 23

of Survey

During erection on board vessel— 1928 Jan. 6. 12

while building

Total No. of visits 13

Capt. of.

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.

Materials and workmanship good.

This boiler is to the order of Messrs The Fairfield Shipbuilding Co. and intended for their ship No 629. For classification.

Survey Fee ... £ 4 : 4 :

When applied for 19.

Travelling Expenses (if any) £ :

When received 19.

MONTHLY ACCOUNT

Wm. S. Thomas

Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW 1 JAN 1928

Assigned

TRANSMIT TO LONDON

See G.S. Rpt. No. 47850
GLASGOW 24 APR 1928Lloyd's Register
Foundation

W1173-0223 1/2