

See Glasgow Report No. 47865

REPORT ON BOILERS.

No. 47541

2 MAY 1928

Writing Report

19

When handed in at Local Office

26.1.1928

Port of

Received at London Office

Glasgow

in Survey held at

Annan

Date, First Survey

20.9.27

Last Survey

1 FEB 1928

1928

Book.

on the

BOILER No 10652 ✓ - *MIRANI*

(Number of Visits

8

Gross

739

Net

381

1928

ir

Built at

Gangenhath

By whom built

Gangenhath Dockyard

When built

1928

rs made at

Annan

By whom made

Messrs Cochran & Co Annan Ltd

When made

1928

rs

Burns Ships & Co.

Port belonging to

London

VERTICAL DONKEY BOILER—

No. ONE ✓

Description

VERTICAL ✓

Manufacturers of steel

D. Colville & Sons, Ltd.

at

Annan ✓

By whom made

Cochran & Co Annan Ltd

When made

1928

Where fixed

Working pressure

100 lbs

by hydraulic pressure to

200 lbs ✓

Date of test

24/1/28 ✓

No. of Certificate

17151

Fire grate area

22.5 sq ✓

Description of safety valves

f safety valves

Area of each

Pressure to which they are adjusted

If fitted with easing gear

If steam from main boilers can

the donkey boiler

Diameter of donkey boiler

6'-6" ✓

Length

13'-6" ✓

Material of shell plates

Steel ✓

Thickness

1 1/2", 1 1/2", 1 1/2" ✓

e of tensile strength

28 1/2 Tons ✓

Description of riveting long, seams

D.R. Lap ✓

Diameter of rivet holes

3/32" ✓

Whether punched or

d Drilled ✓

Pitch of rivets

2.788", 2.6875", 2.663" ✓

Lap of plating

4 1/4" ✓

Per centage of strength of joint

Rivets

72.2

Working pressure of shell by

Plates

68.2

110 lbs.

Thickness of shell crown plates

1 1/2", 1 1/2" ✓

Radius of do.

3'-3" ✓

No. of stays to do.

✓

Diameter of stays

—

Diameter of

ce—Top

hemispherical

Bottom

5'-6" ✓

Length of furnace

3'-7 1/4" ✓

Thickness of furnace side plates

1 1/2" ✓

Description of joint

Seamless ✓

Working

ure of furnace by rules

125 lbs ✓

Thickness of Ogee ring

3/32" ✓

Working pressure of Ogee ring by rules

104.1 lbs ✓

Thickness of furnace

n plates

1 1/2" ✓

Radius of do.

2'-9" ✓

Stayed by

hemispherical ✓

Diameter of uptake

15" x 23" ✓

Thickness of uptake

s

9 1/16" ✓

Thickness of tube plates

front 1 1/8" ✓

back 3/32" ✓

Mean pitch of stay tubes in nest

13" ✓

Pitch in outer vertical rows

8.88" ✓

eter of tube holes FRONT

stay 2 1/8" ✓

BACK

stay 2 1/8" ✓

Working pressure of tube plates by rules

14.120.8 lbs ✓

18.126 lbs ✓

Tubes: Material

best Iron

nal diameter

stay 2 1/8" ✓

Thickness

stay 1 1/8" ✓

No. of threads per inch

9

Pitch of tubes

3 1/8" x 4 1/8" ✓

ing pressure by rules

125 lbs ✓

Manhole compensation: Size of opening in shell plate

16" x 12" ✓

Section of compensating

12" x 1/8" ✓

No. of rivets and diameter of rivet holes

36 2 1/8" ✓

Outer row pitch at ends

4 1/4" ✓

The foregoing is a correct description,

FOR COCHRAN & CO., ANNAN, LIMITED

W. O. Gray

Manufacturer.

tes

urvey

ile

ding

During progress of work in shops—

1927 Sep 20 Oct 4-11 Dec 23 (1928) Jan 6-12-20-24

During erection on board vessel—

Total No. of visits

8

Drawing No.

15735

copy of

Is the approved plan of boiler forwarded herewith

Yes. ✓

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

Survey in accordance with the Rules and approved plan.

Materials and workmanship good.

This boiler is to the order of Messrs McKie & Baxter Ltd of Glasgow and intended for their Ship No 1209.

In classification.

Fitted on board the vessel - See Report 47865.

Survey Fee

...

...

£

4

:

4

:

When applied for

19

Travelling Expenses (if any)

£

:

:

:

:

When received

19

MONTHLY ACCOUNT

Glen T. Thomas

Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute

GLASGOW 31 JAN 1928

Assigned

TRANSMIT TO LONDON

GLASGOW 1 MAY 1928

Lloyd's Register

Foundation

007958-007966-0098