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13 DEC 1928

REPORT ON BOILERS.

No. 7041

21 SEP 1927

Date of writing Report

19

When handed in at Local Office

17.9.

1927

Port of

Received at London Office

Glasgow

No. in Survey held at

4. Book

1833 on the

Annan

Date, First Survey

8th July

Last Survey

13th Sept.

1927

BOILER N° 10449 M.S. Donizetti

(Number of Visits 6)

Gross 2428 1/2

Net 1420

Built at Monfalcone

By whom built Cantiere Nav. Triestino

When built

1928

By whom made Cochran & Co. Annan Ltd.

When made

1927.

Owners "Adria" S. A. di Navig. Marit.

Port belonging to Trieste

VERTICAL DONKEY BOILER—

No. One

Description

Vertical

Manufacturers of steel

Stewart & Lloyd's Ltd.

made at Annan

By whom made

Cochran & Co. Annan Ltd.

When made

1927

Where fixed

in E.P. Port

Working pressure 100 lbs.

Tested by hydraulic pressure to 200 lbs.

Date of test

13/9/27

No. of Certificate

17571

Fire grate area

4.78 sq.

Description of safety valves

2 in. spring load

No. of safety valves

2

Area of each

1.76 sq.

Pressure to which they are adjusted

100 lbs.

If fitted with easing gear

yes

If steam from main boilers can

be used

over the donkey boiler

—

Diameter of donkey boiler

3'0"

Length

8'3"

Material of shell plates

Steel

Thickness

3/8"

Range of tensile strength

28/32 tons

Description of riveting long. seams

D.R. Lap

Diameter of rivet holes

23/32"

Whether punched or

drilled

Pitch of rivets

2.344", 2.182", 2.266"

Lap of plating

3 3/4"

Per centage of strength of joint

Rivets

75.8

Working pressure of shell by

Plates

68.1

Thickness of shell crown plates

1/2"

Radius of do.

3'0"

No. of stays to do.

none

Diameter of stays

1/2"

Diameter of

Top

2'6 3/8"

Length of furnace

2'6 1/8"

Thickness of furnace side plates

1/2"

Description of joint

Welded

Working

Pressure of furnace by rules

236.8 lbs.

Thickness of Ogee ring

1/2"

Radius of do.

14 1/2"

Stayed by

radius

Diameter of uptake

8" x 9 1/4"

Thickness of uptake

7/16"

Mean pitch of stay tubes in nest

8 3/8"

Pitch in outer vertical rows

5 1/4"

meter of tube holes

FRONT

BACK

Working pressure of tube plates by rules

FRONT 110 lbs.

BACK 160 lbs.

Tubes: Material

iron

external diameter

stay

1 1/4"

Thickness

stay

1 1/4"

No. of threads per inch

11

Pitch of tubes

2 5/8"

Working pressure by rules

150 lbs.

Manhole compensation: Size of opening in shell plate

14" x 10"

Section of compensating

No. of rivets and diameter of rivet holes

32 of 23/32"

Outer row pitch at ends

3 1/2"

The foregoing is a correct description,

For COCHRAN & CO., ANNAN, LIMITED

J. C. Wordham

Manufacturer.

During progress of work in shops— 1927 July 8 Aug 9.19.26 Sep 2.13

Drawing No. 15846.

During erection on board vessel— 1928 At 5, 9 Nov 29

Total No. of visits 6 + 3

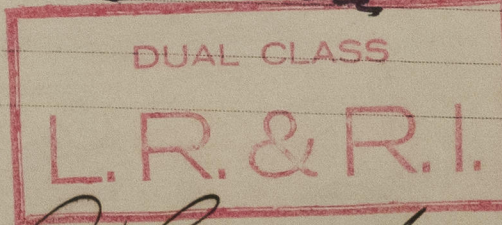
Is the approved plan of boiler forwarded herewith

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

This boiler has been built under Special Survey in accordance with Rules and approved plan. The materials and workmanship are good. It has been built to the order of Messrs. Stabilimento Tecnico Triestino.

This Donkey Boiler (No 10449) has been fitted on board the M.S. Donizetti and recently forwarded. It has been fitted for burning oil and examined under working condition and found in order. The safety valves were adjusted under steam as above.

A. Campbell



Survey Fee ... £ 2 : 16 :

When applied for ... 19.

Travelling Expenses (if any) £ :

When received ... 19.

MONTHLY ACCOUNT

Committee's Minute GLASGOW 20 SEP 1927

Transmit to LONDON

TUE. 18 DEC 1928

L.R. & R.I.

Lloyd's Register Foundation

007794-007805-0221