

YACHT.

26 JUL 1930

18094

## REPORT ON BOILERS.

No. 49865

27 NOV 1929

Received at London Office

When handed in at Local Office

19 11 19 29

Port of Glasgow

of writing Report

Survey held at Annan.

Date, First Survey 27.9.29

Last Survey 13-11-1929

(Number of Visits 8) Gross Tons

on the BOILER No 11485. ✓

XARIFA

Built at Annan.

By whom built

By whom made Messrs. Cochran &amp; Co. Annan Ltd.

When made 1929.

ers made at Annan.

Port belonging to

VERTICAL DONKEY BOILER—

No. One.

Description

Vertical.

Manufacturers of steel

J. Colville &amp; Sons Ltd.

de at Annan.

By whom made Cochran &amp; Co. Annan Ltd.

When made 1929.

Where fixed

Main Boiler Room

Working pressure 100. ✓

d Ped by hydraulic pressure to 200.

Date of test 13.11.29

No. of Certificate 18507

Fire grate area

Description of safety valves

Enclosed spring

of safety valves 2

Area of each 1.76

Pressure to which they are adjusted 100 lb/sq in

If steam from main boilers can

be used for heating gear Yes

Material of shell plates Steel

er the donkey boiler No

Diameter of donkey boiler 4'-3"

Length 11'-3"

Material of shell plates Steel

Thickness 3/8", 7/16", 3/8"

nge of tensile strength 28-32

Description of riveting long. seams D.R. Lap.

Diameter of rivet holes 23/32"

Whether punched or

Rivets 75

Working pressure of shell by

lled drilled

Pitch of rivets 2.339", 2.308", 2.375"

Lap of plating 3 1/4"

Per centage of strength of joint

Plates 69.4

Diameter of stays

es 131.39

Thickness of shell crown plates 9/16"

Radius of do. 4'-3"

No. of stays to do.

Diameter of stays

Description of joint

E.W.

Working

nace—Top 3'-4 1/2"

Bottom 3'-9"

Length of furnace 202"

Thickness of furnace side plates 1/2"

Description of joint

E.W.

Working

essure of furnace by rules 151.5

Thickness of Ogee ring

Working pressure of Ogee ring by rules

Thickness of furnace

Radius of do. 23"

Stayed by Hemisphere

Diameter of uptake 9 1/4" x 15 1/4"

Thickness of uptake

on plates 1/2"

Radius of do. 23"

Stayed by Hemisphere

Diameter of uptake 9 1/4" x 15 1/4"

Thickness of uptake

ites 1/2"

Thickness of tube plates

Mean pitch of stay tubes in nest

Pitch in outer vertical rows

F. 103.5

Working pressure of tube plates by rules

B. 122.5

Tubes: Material

diameter of tube holes

FRONT stay 2 1/8"

BACK stay 2 1/8"

Working pressure of tube plates by rules

B. 122.5

Tubes: Material

Wrought Iron

Pitch of tubes

32" x 3 1/8"

external diameter

stay 2 1/8"

plain 2 1/8"

Thickness

stay 1 1/32"

No. of threads per inch

9. ✓

Pitch of tubes

32" x 3 1/8"

working pressure by rules

125

Manhole compensation: Size of opening in shell plate

16 x 12"

Section of compensating

4"

Outer row pitch at ends

4"

ng 43" x 1 1/8"

No. of rivets and diameter of rivet holes

42 off 23/32"

Outer row pitch at ends

4"

Section of compensating

4"

Outer row pitch at ends

4"

The foregoing is a correct description,

J. Colville &amp; Sons Ltd. Manufacturer.

J. Colville &amp; Sons Ltd.

Drawing No. 19449.

Dates of Survey while building

During progress of work in shops—

During erection on board vessel—

Total No. of visits

1929 Sep 27 Oct 4 9. 16 25 30 Nov 6 13

copy 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.

The materials and workmanship are good.

This boiler has been built to the order of Messrs. J. Samuel White & Co. Ltd. East Cowes and is intended for a yacht building in their yard.

Survey Fee ... £ 4 : 4 :

Travelling Expenses (if any) £ :

When applied for 19

When received 19

MONTHLY ACCOUNT

Committee's Minute GLASGOW

Assigned TRANSMIT TO LONDON

26 NOV 1929

John Thlaedonald

Engineer Surveyor to Lloyd's Register of Shipping.

FRI 1 AUG 1930

Lloyd's Register Foundation

005082-005088-0092