

## REPORT ON BOILERS.

No. 50394

[7 MAY 1930

Received at London Office

Date of writing Report

19

When handed in at Local Office

1. 5. 1930

Port of

GLASGOW

12 FEB 1931

No. in Survey held at  
Reg. Book.

Annan

Date, First Survey

14. 2. 30

Last Survey

24. 4. 1930

on the

Boiler No. 11393 WORCESTERSHIRE

(Number of Visits 8)

Gross 11453

Net 7161

Master

Built at

Glasgow

By whom built

Fairfield S. B. &amp; Co. Ltd

When built

1931

Boilers made at

Annan

By whom made

Messrs Cochran &amp; Co. Annan Ld. Annan

When made

1930

Owners

Bibby S. S. Coy. Ltd.

Port belonging to

Liverpool

## VERTICAL DONKEY BOILER—

No. One

Description

Vertical

Manufacturers of steel D. Colville &amp; Sons Ld.

Made at Annan By whom made Cochran &amp; Co. Annan Ld. When made 1930 Where fixed

Working pressure 120

tested by hydraulic pressure to 230 Date of test 24. 4. 30 No. of Certificate 8692 Fire grate area 18.75 Description of safety valves Enclosed spring

No. of safety valves 2 Area of each 3.14 Pressure to which they are adjusted If fitted with easing gear Yes If steam from main boilers can

enter the donkey boiler No Diameter of donkey boiler 6'-0" Length 14'-3" Material of shell plates Steel Thickness 17/32 19/32 17/32

Range of tensile strength 28.32 Description of riveting long. seams D.R. Lap Diameter of rivet holes 29/32 Whether punched or

drilled drilled Pitch of rivets 2.739 2.857 2.8125 Lap of plating 4 1/2 Per centage of strength of joint Rivets 71.0 Working pressure of shell by

rules 134.6 Thickness of shell crown plates 29/32 15/32 Radius of do. 3'-0" No. of stays to do. Diameter of stays Diameter of

furnace—Top Bottom 5'-0" Length of furnace Thickness of furnace side plates Description of joint Working

pressure of furnace by rules 146.9 Thickness of Ogee ring 29/32 Working pressure of Ogee ring by rules 127 Thickness of furnace

crown plates 17/32 Radius of do. 2'-6" Stayed by Hemisphere Diameter of uptake 13" x 19 1/2 Thickness of uptake

plates 9/16 Thickness of tube plates front 29/32 back 25/32 Mean pitch of stay tubes in nest 11.34 Pitch in outer vertical rows 8

Diameter of tube holes FRONT stay 2 1/16 BACK stay 2 1/2 Working pressure of tube plates by rules 13.135-2 Tubes: Material Wrought Iron

External diameter stay 2 1/2 plain 2 9/16 Thickness stay 1/32 plain 1/456 No. of threads per inch 9 Pitch of tubes 3 9/16 x 4

Working pressure by rules 125 Manhole compensation; Size of opening in shell plate 16" x 12 Section of compensating

ring 6" x 3/4 No. of rivets and diameter of rivet holes 36 off. 29/32 Outer row pitch at ends 3 5/8

The foregoing is a correct description.

For COCHRAN &amp; CO., ANNAN, LIMITED.

Manufacturer.

Walter Duffell Works Manager.

Drawing No. 16388

Dates  
of Survey  
while  
buildingDuring progress of  
work in shops—

1930 Feb. 14. 25 Mar. 12. 20. 28 Apr. 2. 10. 24

During erection on  
board vessel—

Total No. of visits

8

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 Fairfield Shipbuilding &amp; Engineering Co. Ld. and is intended for their No. 640

Survey Fee ... £ 4 : 4 :

When applied for 19

Travelling Expenses (if any) £ :

When received 19

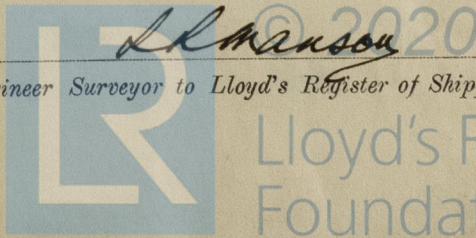
MONTHLY ACCOUNT

Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW

6 MAY 1930

Assigned TRANSMIT TO LONDON



003154-003161-0137