

## REPORT ON BOILERS.

No. 56849

19 JUN 1936

Date of writing Report

19

When handed in at Local Office

7. 4. 1936

Received at London Office

Port of Glasgow

No. in Survey held at  
Reg. Book.

Annan

Date, First Survey

22. 11. 35

Last Survey

2-4-

1936

(Number of Visits 17)

Gross

Tons

Net

Master

Built at Buntisland

By whom built Buntisland SBCo

When built 1936

Boilers made at

Annan

By whom made Cochran &amp; Co Annan Ltd.

When made 1936

Owners

Fulham Borough Council.

Port belonging to

## VERTICAL DONKEY BOILER

No. one

Description Vertical

Manufacturers of steel Steel Co. of Scotland

Made at Annan

By whom made Cochran &amp; Co Annan Ltd.

When made 1936

Where fixed Steekhold

Working pressure 100

tested by hydraulic pressure 200

Date of test 2-4-36

No. of Certificate 19701

Fire grate area

Description of safety valves

Enclosed spring

No. of safety valves 2

Area of each 3.14

Pressure to which they are adjusted 100

If fitted with easing gear

If steam from main boilers can

enter the donkey boiler -

No

Diameter of donkey boiler 5'-3"

Length 11'-9"

Material of shell plates Steel

Thickness 3/32"

Whether punched or

Range of tensile strength 28-32 tons

Description of riveting long. seams DR lap

Diameter of rivet holes 25/32"

Working pressure of shell by

drilled drilled

Pitch of rivets 2.594"

2.578"

2.675"

Lap of plating 3 7/8"

Per centage of strength of joint

Rivets 72.45

Working pressure of shell by

rules 117.7

Thickness of shell crown plates 4 3/4"

Radius of do. 2'-7 1/2"

No. of stays to do. -

Diameter of stays -

Diameter of

furnace—Top -

Bottom 4'-6"

Length of furnace -

Thickness of furnace side plates 2"

Description of joint seamless

Working

pressure of furnace by rules 153

Thickness of Ogee ring 4 3/4"

Working pressure of Ogee ring by rules 104

Thickness of furnace

crown plates 2"

Radius of do. 2'-3"

Stayed by hemisphere

Diameter of uptake 13" x 19 1/2"

Thickness of uptake

plates 9/16"

Thickness of tube plates front 11/16"

back 9/16"

Mean pitch of stay tubes in nest 10'-7"

Pitch in outer vertical rows 8"

Diameter of tube holes FRONT

stay 2 1/8"

plain 2 1/8"

BACK

stay 2 1/8"

plain 2 1/8"

Working pressure of tube plates by rules F 105.7 B 110

Tubes: Material Iron

External diameter

stay 2 1/8"

plain 2 1/8"

Thickness

stay 11 w 9

No. of threads per inch 9

Pitch of tubes 4 x 3 1/8"

Working pressure by rules 125

Manhole compensation; Size of opening in shell plate 16 x 12"

Section of compensating

ring 6-5/8"

No. of rivets and diameter of rivet holes 36 @ 25/32"

Outer row pitch at ends 3 1/8"

FOR COCHRAN & CO. ANNAN, LTD.  
The foregoing is a correct description.

E. A. K. A. S.

WORKS MANUFACTURER.

Dates of Survey while building

During progress of work in shops -

1935 Nov. 22 Dec. 2. 4. 13. 20 (1936) Jan. 10. 16. 22. 29 Drawing No. 21237

During erection on board vessel -

Feb. 6. 11. 26 Mar. 6. 12. 19. 26 Apr. 2

Total No. of visits 17

Is the approved plan of boiler forwarded herewith yes

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

The materials and workmanship are good

The boiler has been constructed under Special Survey and in accordance with the approved plan - to the order of Messrs The North Eastern Marine Eng'rs Sunderland.

This Boiler has been securely fixed on board the Vessel examined under steam, safety valves adjusted, working pressure and accumulation test satisfactorily carried out.

For communication please see Machy. Rpt.

M. Caldwell

Survey Fee ... £ 4 : 4 : }

When applied for 19

Travelling Expenses (if any) £ : : }

When received 19

Committee's Minute

GLASGOW 7- APR 1936

Assigned

TRANSMIT TO LONDON

Engineer Surveyor to Lloyd's Register of Shipping.

FRI 14 AUG 1936

FRI 11 SEP 1936

Lloyd's Register

Foundation

002620-002630-0059