

-6 MAY 1931

Rpt. 5e.

# REPORT ON BOILERS.

No. 50671

Date of writing Report

19

When handed in at Local Office

17.7.30

Port of

GLASGOW

Received at London Office

30 JUL 1930

No. in Survey held at  
Reg. Book.

Annan

Date, First Survey

14.4.30

Last Survey

11.7.

1930.

on the

Boiler N° 11677

Opawa

(Number of Visits

7)

Gross

Tons

Nat

Master

Built at

Glasgow

By whom built

Alex Stephen & Sons Ltd

When built

1931

Boiler made at

Annan

By whom made Messrs Cochran & Co. Annan Ltd

When made

1930

Owners

Port belonging to

Glasgow

## VERTICAL DONKEY BOILER—

No. *Ans*

Description *Vertical*

Manufacturers of steel *D. Bellville & Sons Ltd*

Made at *Annan*

By whom made

*Cochran & Co. Annan Ltd*

When made

*1930*

Working pressure *100*

tested by hydraulic pressure to *200* Date of test *11-7-30* No. of Certificate *5772* Fire grate area *22.5*

Description of safety valves *Enclosed spring*

No. of safety valves *2*

Area of each *4.9*

Pressure to which they are adjusted

If fitted with easing gear *Yes*

If steam from main boilers can

enter the donkey boiler

Diameter of donkey boiler *6-6*

Length *16-3*

Material of shell plates *Steel*

Thickness *15/32, 14/32, 15/32*

Range of tensile strength *28-32*

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

Diameter of rivet holes *27/32*

Whether punched or

drilled *drilled*

Pitch of rivets *2.663, 2.6875, 2.948*

Lap of plating *1/4* Per centage of strength of joint

Rivets *68.8*

Working pressure of shell by

rules *110*

Thickness of shell crown plates *27/32, 15/32*

Radius of do. *3-3*

No. of stays to do. *✓*

Diameter of stays *✓*

Diameter of

furnace—Top *✓*

Bottom *5-5*

Length of furnace *✓*

Thickness of furnace side plates *✓*

Description of joint *✓*

Working

pressure of furnace by rules *125*

Thickness of Ogee ring *27/32*

Working pressure of Ogee ring by rules *101.1*

Thickness of furnace

crown plates *1/2*

Radius of do. *2-9*

Stayed by *Hemisphere*

Diameter of uptake *15" X 23"*

Thickness of uptake

plates *9/16*

Thickness of tube plates

Mean pitch of stay tubes in nest *11.603*

Pitch in outer vertical rows *8"*

*F. 101.8*

Diameter of tube holes FRONT

stay *2 1/16*

BACK

stay *2 1/2*

Working pressure of tube plates by rules *5.107.9*

Tubes: Material *Hot Iron*

External diameter

stay *2 1/2*

Thickness

stay *11/32*

No. of threads per inch *9*

Pitch of tubes *3 9/16 X 1/4*

*11.603*

Working pressure by rules *125*

Manhole compensation: Size of opening in shell plate *16" X 12"*

Section of compensating

ring *6" X 9/16"*

No. of rivets and diameter of rivet holes *36 off: 27/32*

Outer row pitch at ends *3.96*

The foregoing is a correct description

FOR COCHRAN & CO., ANNAN, LIMITED

*Walter Duffie*

Manufacturer.

Works Manager

Dates

During progress of

work in shops - -

*1930. Apr 24. May 22. 29. June 4. 12. 20. July 11*

Drawing No. *17954 A.*

of Survey

while

board vessel - -

building

Total No. of visits

*7.*

Is the approved plan of boiler forwarded herewith

*Yes*

## GENERAL REMARKS

(State quality of workmanship, opinions as to class, &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 A. Stephen & Sons Ltd Glasgow, and is intended for their N° 532*

Survey Fee

...

...

£ 4 : 4 :

When applied for

19...

Travelling Expenses (if any) £

:

:

When received

19...

Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW 29 JUL 1930

Assigned Transmit to London.

Lloyd's Register Foundation

W1153-0217

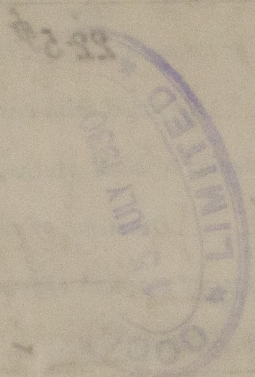


170271

Glasgow

Order No. 11077

1930



11603

3 10 2 8

3 2 6

17924 A

17924 A

The order has been built  
under warranty in accordance with the rules and approved plan.  
The order has been built to the order of Messrs. J. & J. & J.  
The order has been built for their No. 632

