

## REPORT ON BOILERS

No. 9810

MON 5-NOV-1917

Date of writing Report 26 June 1917 When handed in at Local Office July 3. 1917

Received at London Office

No. in Survey held at

Darlington

Date, First Survey Dec. 18 1916

Last Survey June 22. 1917

H.P. Book.

on the Donkey Boiler No 330

S. S. "Wallend"

(Number of Visits 4)

Gross 2697

SS. No 204

Tons

Net 1057

Built at

Darlington

By whom built

Wood Skinner &amp; Co Ltd

When built

1914

Boiler made at

Darlington

By whom made

Blake Boiler Works &amp; Eng. Co Ltd

When made

1914

Boiler No. 330

Port belonging to

Newcastle

## VERTICAL DONKEY BOILER

No. One

Description

Blake Patent

Manufacturers of steel

Spencer &amp; Sons Ltd

Made at

Darlington

By whom made

Blake Boiler Works &amp; Eng. Co Ltd

When made

1914

Where fixed

On deck

Working pressure

100 lbs

Tested by hydraulic pressure to

200

Date of test

22-6-17

No. of Certificate

544

Fire grate area

10 sq

Description of safety valves

Spring

No. of safety valves

2

Area of each

4.9 sq

Pressure to which they are adjusted

105 lbs

If fitted with easing gear

Yes

If steam from main boiler can

the donkey boiler

No

Dia. of donkey boiler

6'-0"

Length

12'-0"

Material of shell plates

Steel

Thickness

1 1/2"

Range of tensile

Length

28-32

Descrip. of riveting long. seams

D.R. lap

Dia. of rivet holes

1 3/16"

Whether punched or drilled

Drilled

Pitch of rivets

2 1/4"

No. of plating

4 1/2

Per centage of strength of joint

Rivets 68.6

Plates 40.4

Working pressure of shell by rules

104 lbs

Thickness of shell crown plates

1 1/2"

No. of stays

3-0"

No. of stays to do

19 1/2

Dia. of stays

3'-0"

Diameter of furnace Top

3'-0"

Bottom

4'-9"

Length of furnace

3'-6 1/2"

Thickness of furnace plates

1 1/2"

Description of joint

Welded

Working pressure of furnace by rules

120 lbs

Thickness of furnace plates

1 1/2"

No. of tubes

44

Radius of do.

3'-6"

Stayed by

Yes

Diameter of tubes

2 1/2"

Thickness of tubes

1 1/2"

Thickness of plates

1 1/2"

No. of water tubes

44

VERT.

4-46 DIA

SURVEY REQUEST

NO. 1381

ATTACHED

The foregoing is a correct description.

FOR AND ON BEHALF OF

J. W. Oliver, Manufacturer.

During progress of work in shops - 1914 Dec. 18. 1917 Mar 13. May 22. June 22.

During erection on board vessel -

See Newcastle Report No 70407.

Total No. of visits

4

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 constructed under Special Survey, is of good material and workmanship and has been tested by hydraulic pressure with satisfactory results

Survey Fee

£ 2 : 2 : -

When applied for

Monthly &amp;c.

Travelling Expenses (if any)

£ : 9 : 6 : -

When received

18

Committee's Minute

TUE 6-NOV 1917

Signed

Thomas Miller & Field  
Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.



Lloyd's Register  
of British and Foreign Shipping