

## REPORT ON BOILERS.

No. 4609.

SAT. OCT. 19. 1912

Received at London Office

MIDDLESBROUGH-ON-LEES

Date of writing Report

19

When handed in at Local Office

18. 10

19

Port of

MIDDLESBROUGH-ON-LEES

No. in  
Reg. Book.

Survey held at

Darlington

Date, First Survey

7<sup>th</sup> June

Last Survey

11<sup>th</sup> Dec. 1912

(Number of Visits

Gross

Tons

Net

on the Donkey Boiler No. 3202 for the Dundee Shipbuilding Co. Ltd.

S.S. "Teas Trader"

Master

Built at

By whom built

When built

Boilers made at

Darlington

By whom made

Blake Boiler, Wagon &amp; Eng. Co. Ltd.

When made 1912

Owners

Port belonging to

## VERTICAL DONKEY BOILER—

No.

One Description Blake Patent

Manufacturers of steel J. Spencer &amp; Son Ltd.

Made at

Darlington

By whom made

Blake Boiler, W &amp; E. Co. Ltd.

When made

1912

Where fixed

Shakedown

Working pressure

100 lbs

tested by hydraulic pressure to

200

Date of test

1. 10. 12

No. of Certificate

4953

Fire grate area

16 sq

Description of safety valves

Direct spring

No. of safety valves

One

Area of each

5.9

Pressure to which they are adjusted

100 lbs

If fitted with easing gear

yes

If steam from main boilers can

enter the donkey boiler

No

Dia. of donkey boiler

5.9

Length

11.0

Material of shell plates

Steel

Thickness

3/16

Range of tensile

strength

28-32

Descrip. of riveting long. seams

B.R. Lap

Dia. of rivet holes

13/16

Whether punched or drilled

Drilled

Pitch of rivets

2 3/4

Lap of plating

4 1/4

Percentage of strength of joint

Rivets 73.3

Working pressure of shell by rules

106 lbs

Thickness of shell crown plates

17/32

Radius of do.

4.3

No. of Stays to do.

1

Dia. of stays

12 x 3/4

Diameter of furnace Top

2.10 1/2

Bottom

4.6

Length of furnace

3.2

Thickness of furnace plates

1/2

Description of joint

Welded

Working pressure of furnace by rules

103 lbs

Thickness of furnace crown

C.C.

plates

Top 1/16

Radius of do.

3.0

Stayed by 1 plate stay

Diameter of stay

2 1/2

Thickness of stay plates

tube

Front 1/16

Back 29/32

Thickness of water tubes

3 5/8

Vert. 1

4.4

diag.

FOR &amp; ON BEHALF OF

THE BLAKE BOILER, WAGON &amp; ENGINEERING CO. LIMITED

James Blake

Manufacturer.

MANAGING DIRECTOR

Dates

During progress of  
work in shops --

of Survey

During erection on  
board vessel --

while

building

Total No. of visits

11

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. It is to be fitted on board the vessel at this port.

SURVEY  
NO. 172REQUEST  
ATTACHED.

Survey Fee

...

...

£

2

:

2

:

}

When applied for,

19

Travelling Expenses (if any)

£

8/-

:

}

When received,

19

MONTHLY A/c.

J. Kerr

Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute

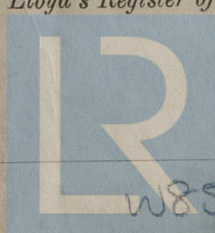
TUE. APR. 8-1913

Assigned

ll

Minute on

Mat. 7.E. 7814



© 2020

Lloyd's Register  
Foundation

W858-0132