

pt. 5b.

## REPORT ON BOILERS.

No. 8659

Received at London Office FRI. OCT. -9. 1914

Date of writing Report

19

When handed in at Local Office

4. JAN. 1915

Oct. 8 1914

Port of Middlesbrough-on-Tees

No. in  
Reg. Book.

Survey held at

Darlington

Date, First Survey

August 21<sup>st</sup>

Last Survey

August 27. 1914.

on the

Donkey Boiler No. 3267

D. S. Bely

(Number of Visits

35 (SSH: 184)

Gross 1168

Net 689

Master

Newton

Built at

Sunderland

By whom built

Osbourne, Graham &amp; Co.

When built

1914

Boilers made at

Darlington

By whom made

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

When made

1914

Owners

C. Dore

Port belonging to

London

## VERTICAL DONKEY BOILER—

No. One

Description

Blake Patent

Manufacturers of steel

John Spencer &amp; Sons Ltd.

Made at

Darlington

By whom made

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

When made

1914

Where fixed

At Darlington

Working pressure

90 lbs.

Tested by hydraulic pressure to

180

Date of test

27.8.14

No. of Certificate

5368

Fire grate area

25.4

Description of safety valves

Two spring loaded

No. of safety valves

Two

Area of each

5.04 sq. ft.

Pressure to which they are adjusted

92

If fitted with easing gear

Yes

If steam from main boilers can

enter the donkey boiler

No

Dia. of donkey boiler

7'-0"

Length

14'-0"

Material of shell plates

Steel

Thickness

1/2"

Range of tensile

strength

28-32

Descrip. of riveting long. seams

Lap of plating

4 5/8"

Per centage of strength of joint

Rivets

78.2

Working pressure of shell by rules

100 lbs.

Thickness of shell crown plates

1/2"

Radius of do.

3'-6"

No. of stays to do.

Dia. of stays

1 1/2"

Diameter of furnace Top

3'-6"

Bottom

5'-7"

Length of furnace

4'-0"

Thickness of furnace plates

3/32"

Description of joint

Welded

Working pressure of furnace by rules

97 lbs.

Thickness of furnace crown plates

3/32"

Radius of do.

3'-6"

Stayed by

Yes

Diameter of uptake

2 1/2"

Thickness of uptake plates

3/32"

Front

4 1/2"

Back

1 1/2"

Thickness of water tubes

3 5/8"

Vert.

4.4"

Brag.

SURVEY

REQUEST

NO. 1008.

The foregoing is a correct description.

James Blake

Manufacturer.

rp. H. J. S.

Is the approved plan of boiler forwarded herewith

Yes

During progress of

work in shops

1914. Aug. 21. 25. 27.

During erection on

board vessel

Dec. 9. 23

Total No. of visits

3. 5.

## 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 has been examined in place & its safety valves have been adjusted under steam & alive pressure.

Survey Fee

...

£ 2 : 2 : 1

When applied for,

19

Travelling Expenses (if any) £

:

6/6

When received,

19

MONTHLY A/c.

J. Kerr

William D. Butler

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

Committee's Minute

FRI. JAN. 8-1915

Assigned

Lloyd's Register  
Foundation

W218-0128