

FRI. MAY. 24. 1912

Sld Rpt. 25282

No. 73 24

REPORT ON BOILERS.

Received at London Office WED. APR. 17. 1912

5b.

of writing Report

19

When handed in at Local Office

16.4

19

Port of

MIDDLESBROUGH-ON-TEES

Date, First Survey

29 Decr. 1911

Last Survey

29 March 1912

(Number of Visits)

14

Gross

Tons

Net

Survey held at

Barlington

on the

Donkey Boiler No. 3188 for Messrs J. Blumer & Co. S.S. No. 211

Built at

Sunderland

By whom built

J. Blumer & Co.

When built

1912

Where made at

Barlington

By whom made

Blake Boiler, Wagon & Eng. Co. Ltd.

When made

1912

Port belonging to

VERTICAL DONKEY BOILER

No. One

Description Blake Patent

Manufacturers of steel

J. Spencer & Sons Ltd.

Where fixed

Barlington By whom made Blake Boiler, W. & E. Co. Ltd.

When made

1912

Working pressure

120 lbs

Tested by hydraulic pressure to

240

Date of test

29.3.12

No. of Certificate

4848

Fire grate area

32 sq

Description of safety valves

Two spring loaded

Area of each

5.9 sq

Pressure to which they are adjusted

120 lbs

If fitted with easing gear

Yes

If steam from main boilers can

be used

Yes

Range of tensile

23/32

Dia. of donkey boiler

8'-0"

Length

17'-3"

Material of shell plates

Steel

Thickness

3/32

Pitch of rivets

3 3/4"

Descrip. of riveting long. seams

J. R. Lap

Dia. of rivet holes

15/16"

Whether punched or drilled

Drilled

Pitch of rivets

3 3/4"

Working pressure of shell by rules

132 lbs

Thickness of shell crown plates

3/32

Per centage of strength of joint

65.26

Working pressure of shell by rules

132 lbs

Thickness of shell crown plates

3/32

Length of furnace

4'-4"

Diameter of furnace

4'-0"

Top 4'-0"

Bottom 6'-5"

No. of Stays to do

2 plate

Dia. of stays

15/16" x 3/4"

Working pressure of furnace by rules

124 lbs

Thickness of furnace crown

3/32

Radius of do.

4'-0"

Stayed by

2 plate stays

Thickness of furnace plates

13/16"

Description of joint

Welded

Working pressure of furnace by rules

124 lbs

Thickness of furnace crown

3/32

Radius of do.

4'-0"

Stayed by

2 plate stays

Top 4'-0"

Radius of do.

4'-0"

Stayed by

2 plate stays

Diameter of

tubes

2 3/4"

Thickness of

plate plates

front 1 1/16"

Back 1 1/32"

Thickness of water tubes

4 1/8" Vert.

4 1/8" Horiz.

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