

REPORT ON BOILERS.

No. 6462.

I.U.F.S. 10 JAN 1911

Received at London Office WED. 21 SEP 1910

MIDDLESBROUGH-ON-TEES.

Date of writing Report

19

When handed in at Local Office

20. Sept. 1910

Port of

No. in
Reg. Book.

Survey held at

Stockton-on-Tees

Date, First Survey

14. July

Last Survey

16. Sept. 1910

on the

S.S. "Hickwood"

(Number of Visits)

12.

S.S. No. 266

Gross

1674

Net

1012

Master

Martin

Built at

Sunderland

By whom built

R. Thompson & Sons

When built

1910

Boilers made at

Stockton

By whom made

Hussar Riley Bros (No. 4178)

When made

1910

Owners

Wm. Hance, Hurwick & Co.

Port belonging to

London

VERTICAL DONKEY BOILER—

No. one

Description

Riley's Patent

Manufacturers of steel

J. Hume & Sons

Made at

Stockton

By whom made

Riley Bros Ltd.

When made

1910

Where fixed

Stockton

Working pressure

100

tested by hydraulic pressure to

200

Date of test

16.9.10

No. of Certificate

4497

Fire grate area

29

Description of safety valves

direct spring

No. of safety valves

2

Area of each

4.91

Pressure to which they are adjusted

10.0 lb

If fitted with easing gear

yes

If steam from main boilers can

enter the donkey boiler

no

Dia. of donkey boiler

7'-0"

Length

15'-0"

Material of shell plates

steel

Thickness

1/2"

Range of tensile

strength

28-32

Descrip. of riveting long. seams

2 Riv. lap

Dia. of rivet holes

15/16"

Whether punched or drilled

punched

Pitch of rivets

Lap of plating

4 3/4

Per centage of strength of joint

Rivets 72.3

Working pressure of shell by rules

104 lb

Thickness of shell crown plates

1/2"

Radius of do.

Hemph.

No. of Stays to do.

2

Dia. of stays

1/2" plates

Diameter of furnace Top

5'-1"

Bottom

Thickness of furnace plates

3/16"

Description of joint

Single Riv. lap

Working pressure of furnace by rules

109 lb

Thickness of furnace crown

plates

plates

5/8"

Radius of do.

3'-0"

Stayed by

none

Diameter of uptake

15" x 23"

Thickness of uptake plates

Thickness of

main tubes

= 26" x 1/2"

Tube plates

1/2"

Pitch tubes

4 1/2 Radial

4 3/4 Circumf

The foregoing is a correct description.

alternate tubes outer row stays

3 1/4 x 3/8"

middle

3 1/4 x 5/16"

FOR

RILEY BROS. (BOILERMAKERS) LIMITED.

Manufacturer.

Dates

During progress of

work in shops --

1910 July 4-8-11-15-20 Aug. 23-26-30 Sept. 2-8-14-16

of Survey

while

During erection on

board vessel --

Dec 7-16-20

building

Total No. of visits

12 15

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 special survey, is of good material and workmanship and on completion was tested by hydraulic pressure with satisfactory results

Secured in place, mounted, & tested under steam

Survey Fee

...

£ 2-2-0

When applied for

Monthly %.

Travelling Expenses (if any) £

✓

When received

19

Committee's Minute

FRI 13 JAN 1911

Assigned

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

Wm Morrison
E. J. SedgwickL
W1204Lloyd's Register
Foundation