

REPORT ON BOILERS.

Received at London Office

TUE AUG 8-1911
FRI 12 MAY 1911

t. 5a.

of writing Report 11.5.11

When handed in at Local Office

11.5.11

Port of

MIDDLESBROUGH-ON-TEES.

Survey held at

Stockton-on-Tees

Date, First Survey

11th May, 1910

Last Survey

11th May 1911

Book.

on the

S.S. "HORLEY"

(Number of Visits)
S.S. No 179Gross 4790
Net 3096

tion of Saffter

Built at

Newcastle

By whom built

Northumberland S.P. Co

When built 1911

ines made at

By whom made

when made

ers made at

Stockton

By whom made

Messrs Riley Bros (No 4082)

when made

1911

stered Horse Power

Owners

(Holder Middleton & Co Ltd)

Port belonging to

London

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel

J. Muncey & Sons

ter for record

(S)

Total Heating Surface of Boilers

1000 sq ft

Is forced draft fitted

No. and Description of

ers One single ended

Working Pressure 100

Tested by hydraulic pressure to 200

Date of test 5.5.11

of Certificate 4641

Can each boiler be worked separately

✓

Area of fire grate in each boiler 34½ sq ft

No. and Description of

y valves to each boiler

2 direct spring

Area of each valve

8.29 sq ft

Pressure to which they are adjusted

100 lbs

they fitted with easing gear

Yes

In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler

no

least distance between boilers or uptakes and bunkers or woodwork

on deck

Mean dia. of boilers

10'-6"

Length 10'-0"

erial of shell plates

steel

Thickness

¾"

Range of tensile strength

28-32

Are the shell plates welded or flanged

no

rip. of riveting: cir. seams

2 Riv lap long. seams

2 B-2 Riv

Diameter of rivet holes in long. seams

¾"

Pitch of rivets

4½"

of plates or width of butt straps

8½" x ¾"

Per centages of strength of longitudinal joint

rivets 92

Working pressure of shell by

100

Size of manhole in shell

16" x 12"

Size of compensating ring

¾" dia.

No. and Description of Furnaces in each

25.29.

in 1.6.8

ription of longitudinal joint

welded

No. of strengthening rings

none

Working pressure of furnace by the rules

113

Combustion chamber

s. Material

steel

Thickness: Sides

15/32"

Back

15/32"

Top

15/32"

Bottom

¾"

Pitch of stays to ditto: Sides

7½" x 7"

Back

7½" x 7"

No 7½" x 7"

If stays are fitted with nuts or riveted heads

nuts

Working pressure by rules

119

Material of stays

steel

Diameter at

4.4.11

test part

1½"

Area supported by each stay

56.2

Working pressure by rules

140

End plates in steam space: Material

steel

Thickness

1/8"

30.5.11

of stays

5½" x 15½"

How are stays secured

nuts & washers

Working pressure by rules

126

Material of stays

steel

Diameter at smallest part

1.91"

supported by each stay

248

Working pressure by rules

120

Material of Front plates at bottom

steel

Thickness

1/8"

Material of

back plate

steel

Thickness

1/8"

Greatest pitch of stays

13½" x 7½"

Working pressure of plate by rules

125

Diameter of tubes

3½"

of tubes

4½" x 4½"

Material of tube plates

steel

Thickness: Front

1/8"

Back

1/8"

Mean pitch of stays

11½"

Pitch across wide

spaces

13½"

Working pressures by rules

130

Girders to Chamber tops: Material

steel

Depth and thickness of

at centre

6 x 1½"

Length as per rule

26½"

Distance apart

7½"

Number and pitch of Stays in each

2 @ 7"

Working pressure by rules

118

Superheater or Steam chest: how connected to boiler

none

Can the superheater be shut off and the boiler worked

Diameter

Length

Thickness of shell plates

Material

Description of longitudinal joint

Diam. of rivet

Pitch of rivets

Working pressure of shell by rules

Diameter of flue

Material of flue plates

Thickness

fitted with rings

Distance between rings

Working pressure by rules

End plates: Thickness

How stayed

Working pressure of end plates

Area of safety valves to superheater

Are they fitted with easing gear

The foregoing is a correct description,

FOR RILEY BROS. (BOILERMAKERS) LIMITED.

Manufacturer.

During progress of

work in shops

1910. May 6. 10. Aug. 2. Nov. 18. 1911. Apr. 20. 29.

Is the approved plan of boiler forwarded herewith

yes

During erection on

board vessel

May 2. 3. 5.

Total No. of visits

9

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

is tested by hydraulic pressure with satisfactory results

Survey Fee

...

£

3-7-0

When applied for,

19.

Travelling Expenses (if any) £

✓

When received,

19.

MONTHLY A/c.

Wm Morrison & Co

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

Shippin Committee's Minute

TUE AUG. 15. 1911

Signed

see minute on

Hul RN 23793



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Lloyd's Register

W1288-0083