

REPORT ON BOILERS.

No. 10796

Received at London Office

THU. SEP. 9 1920

of writing Report

19

When handed in at Local Office

4/9/20

19

Port of

MIDDLESBRO'

Survey held at

Stockton-on-Tees

Date, First Survey

24th

June 1920

Last Survey

30th

August

1920

Book.

(Number of Visits

5

Gross

Tons

Net

on the

S.S. "Yrebartha"

S.S. No.

(1)

ter

Built at

South Shields

By whom built

Thos. J. Readhead & Sons

When built

1920

ines made at

South Shields

By whom made

J. Readhead & Sons Ltd

When made

1920

lers made at

Stockton

By whom made

Thos. Riley Bros Ltd (No 5239)

When made

1920

istered Horse Power

Owners

Hain SS Co Ltd

Port belonging to

St. Ives.

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

John Spencer & Sons

atter for record

(S)

Total Heating Surface of Boilers

1270 sq ft

Is forced draft fitted

No

No. and Description of

Boilers

One single ended

Working Pressure

90

Tested by hydraulic pressure to

180

Date of test

30.8.20

of Certificate

6153

Can each boiler be worked separately

No

Area of fire grate in each boiler

34½ sq ft

No. and Description of

Safety valves to each boiler

Two spring loaded

Area of each valve

7.07

Pressure to which they are adjusted

90 lbs

8.9.16 they fitted with easing gear

Yes

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

No

Smallest distance between boilers or uptakes and bunkers or woodwork

1

Mean dia. of boilers

10'-9"

Length

11'-0"

Material of shell plates

Steel

Thickness

17/32"

Range of tensile strength

28-32

Are the shell plates welded or flanged

No

Descrip. of riveting: cir. seams

2 R. lap

long. seams

2 R. 2 Riv

Diameter of rivet holes in long. seams

1 1/2"

Pitch of rivets

4 1/2"

19/20 up of plates or width of butt straps

9 x 3/16"

Per centages of strength of longitudinal joint

rivets 97.1

plate 82.0

Working pressure of shell by

19/20

Size of manhole in shell

91

Size of compensating ring

7 x 1/4"

No. and Description of Furnaces in each

No

19/20

2 plain

Material

Steel

Outside diameter

39"

Length of plain part

top 86"

Thickness of plates

crown 3/16"

bottom 115 1/2"

612 man

Description of longitudinal joint

Weld

No. of strengthening rings

none

Working pressure of furnace by the rules

90

Combustion chamber

Material

Steel

Thickness: Sides

17/32"

Back

1/2"

Top

17/32"

Bottom

3/4"

Pitch of stays to ditto: Sides

10' x 9"

Material

Steel

Thickness: Sides

17/32"

Back

1/2"

Top

17/32"

Bottom

3/4"

Pitch of stays to ditto: Sides

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