

REPORT ON BOILERS.

196 B
Nw. No. 53990.
WED. 18 DEC 1907

Received at London Office

Date of writing Report

19

When handed in at Local Office 17 DEC 1907

Port of Newcastle

No. in Survey held at
Reg. Book.

Newcastle

Date, First Survey

July 9th

Last Survey

Dec 6th

1907

(Number of Visits 13)

Gross 278

Net 99

(105)

When built 1907

ster

Built at Goole

By whom built

Goole Shipbuilding Co

ines made at

Coatbridge MS

By whom made

W V V. Lidgerwood (272)

when made 1907

rs made at

Newcastle

By whom made

Wallsend Shipway & Eng 60th when made 1907.

ered Horse Power

75.33

Owners

G. Cohen

Port belonging to

Fleetwood

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

J Spence & Sons Ltd

er for record

R.

Total Heating Surface of Boilers

1258 f

Is forced draft fitted

no.

No. and Description of

rs

1.5.8

Working Pressure

180

Tested by hydraulic pressure to

360.

Date of test

31.7.07

of Certificate 7544.

Can each boiler be worked separately

Area of fire grate in each boiler

42 3/4 f

No. and Description of

y valves to each boiler

two direct spring

Area of each valve

4.9 sq

Pressure to which they are adjusted

185 lb

they fitted with easing gear

yes

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

yes

Best distance between boilers or uptakes and bunkers or woodwork

10"

Ext

Mean dia. of boilers

13 feet.

Length

10 feet.

erial of shell plates

S

Thickness

1 1/4

Range of tensile strength

29. 33.

Are the shell plates welded or flanged

ends

crip. of riveting: cir. seams

a + lap long. seams

a. Butts

Diameter of rivet holes in long. seams

1 1/2

Pitch of rivets

7 1/2

o of plates or width of butt straps

15 1/8

Per centages of strength of longitudinal joint

86.5

Working pressure of shell by

plate

85.8

es

Size of manhole in shell

16" x 12"

Size of compensating ring

4 feet

No. and Description of Furnaces in each

ler

3 plain

Material

S

Outside diameter

39 5/8

Length of plain part

top 6' 5"

Thickness of plates

crown

3/4

bottom

1/4

scription of longitudinal joint

weld

No. of strengthening rings

2 T.

Working pressure of furnace by the rules

189.

Combustion chamber

utes: Material

S

Thickness: Sides

2 1/2

Back

2 1/2

Top

2 1/2

Bottom

8

Pitch of stays to ditto: Sides

9 x 8 3/4

Back

9 5/8 x 8 1/2

p 9 x 8 3/4 If stays are fitted with nuts or riveted heads

nuts

Working pressure by rules

181

Material of stays

J.

Diameter at

allest part

1.6"

Area supported by each stay

82.4

Working pressure by rules

186

End plates in steam space: Material

S

Thickness

1 3/8

itch of stays

19 5/8 x 18 1/4

How are stays secured

a. nuts

Working pressure by rules

181.

Material of stays

S

Diameter at smallest part

3.28"

rea supported by each stay

349.4

Working pressure by rules

182.

Material of Front plates at bottom

S

Thickness

1"

Material of

ower back plate

S

Thickness

5/8"

Greatest pitch of stays

14 1/8"

Working pressure of plate by rules

185

Diameter of tubes

3 1/2"

itch of tubes

4 3/4 x 4 3/4

Material of tube plates

S

Thickness: Front

1"

Back

3/4"

Mean pitch of stays

9 1/2"

Pitch across wide

ater spaces

14"

Working pressures by rules

223 lb

Girders to Chamber tops: Material

S

Depth and thickness of

order at centre

7 1/2 x 1 1/2"

Length as per rule

27 1/2"

Distance apart

9"

Number and pitch of Stays in each

2 of 8 3/4"

orking pressure by rules

189.

Superheater or Steam chest; how connected to boiler

yes

Can the superheater be shut off and the boiler worked

eparately

Diameter

Length

Thickness of shell plates

Material

Description of longitudinal joint

Diam. of rivet

oles

Pitch of rivets

Working pressure of shell by rules

Material of flue

Diameter of flue

Material of flue plates

Thickness

f stiffened with rings

Distance between rings

Working pressure by rules

End plates: Thickness

How stayed

orking pressure of end plates

Area of safety valves to superheater

Are they fitted with easing gear

FOR THE WALLSEND SHIPWAY & ENGINEERING CO. LIMITED.

The foregoing is a correct description,

M. M. M.

Manufacturer.

Dates During progress of work in shops - - - 1907 July 9. 11. 12. 13. 15. 16. 24. 31.
while During erection on board vessel - - - Nov. 19. 20. 27. 29. Dec 6.

Is the approved plan of boiler forwarded herewith

yes.

Total No. of visits

13

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)

built under Special Survey. Materials and workmanship good. Efficient.

The boiler fitted up. on board tried under steam and found satisfactory (Duplicate boilers on ex Rhoebe, ex Ritzlyie) Leonard & Shalleross.

Survey Fee

...

£ Please fill in Report

When applied for,

19

Travelling Expenses (if any) £

Machine

When received,

19

J. Y. Tindal

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

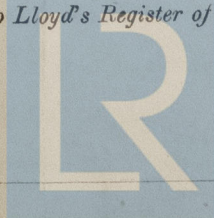
Committee's Minute

TUES. 7 JAN 1908

Assigned

See Minute on Gls. Rpt.

No 25970



Lloyd's Register Foundation