

REPORT ON BOILERS.

No. 10924

THU. JAN. 20 1921

Received at London Office

Date of writing Report

19

When handed in at Local Office

17.1.21

Port of

Middlesbrough

No. in

Survey held at

Stockton-on-Tees

Date, First Survey

8th Oct. 1920

Last Survey

12th Jan. 1921

Reg. No.

0568 on the

S. S. "Rosina"

(Number of Visits 11)

Gross 2572

Net 1600

Master

Built at

Hoboken

By whom built

Chant. Nav. Anversois

When built 1904-2

Engines made at

Sunderland

By whom made

N.E. Marine Eng Co

When made 1904

Boilers made at

Stockton

By whom made

Messrs. Thos. Hudon & Co. Ltd (No 4388)

When made 1921

Registered Horse Power

287

Owners

A. Embiricos

Port belonging to Andros

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.

Manufacturers of Steel

Thos. J. Spencer & Son Ltd.

Letter for record

(5)

Total Heating Surface of Boilers

672 sq

Is forced draft fitted

No. and Description of

Boilers One single ended Working Pressure 90 Tested by hydraulic pressure to 180 Date of test 12.1.21

No. of Certificate

6196

Can each boiler be worked separately

Area of fire grate in each boiler

No. and Description of

Safety valves to each boiler

Area of each valve

Pressure to which they are adjusted

Are they fitted with easing gear

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

Smallest distance between boilers or uptakes and bunkers or woodwork

External

Mean dia. of boilers

9'-0"

Length 9'-1 1/2"

Material of shell plates

steel

Thickness

17/32

Range of tensile strength

29-33

Are the shell plates welded or flanged

no

Descrip. of riveting: cir. seams

Single lap

long. seams

3 Riv. lap

Diameter of rivet holes in long. seams

15/16"

Pitch of rivets

3 3/8"

Gap of plates or width of butt straps

6 1/2"

Per centages of strength of longitudinal joint

rivets 93.0

Working pressure of shell by

Size

95

Size of manhole in shell

16" x 12"

Size of compensating ring

6 1/2" x 3/4"

No. and Description of Furnaces in each

Boiler 2 plain

Material steel

Outside diameter

33"

Length of plain part

top 71 1/2"

Thickness of plates

crown 1/2"

Description of longitudinal joint

Weld

No. of strengthening rings

none

Working pressure of furnace by the rules

98

Combustion chamber

Material steel

Thickness: Sides

17/32"

Back

1/2"

Top

17/32"

Bottom

5/8"

Pitch of stays to ditto: Sides

9 1/2" on Back

8 1/2" x 9 1/2"

If stays are fitted with nuts or riveted heads

nuts

Working pressure by rules

100

Material of stays

steel

Area at

Smallest part

96

Area supported by each stay

84

Working pressure by rules

92

End plates in steam space: Material

steel

Thickness

3/4"

How are stays secured

nuts

6 x 1/2"

Working pressure by rules

99

Material of stays

steel

Area at smallest part

2.66

Area supported by each stay

284

Working pressure by rules

98

Material of Front plates at bottom

steel

Thickness

3/4"

Material of

Superback plate

steel

Thickness

3/4"

Greatest pitch of stays

13 1/2" x 9"

Working pressure of plate by rules

148

Diameter of tubes

3"

Pitch of tubes

4 1/4" x 4 1/4"

Material of tube plates

steel

Thickness: Front

3/4"

Back

2/8"

Mean pitch of stays

10 5/8"

Pitch across wide

spaces

13 1/2"

Working pressures by rules

100

Girders to Chamber tops: Material

steel

Depth and thickness of

at centre

5 3/4" x 1 1/4"

Length as per rule

22 7/8"

Distance apart

9 1/2"

Number and pitch of Stays in each

one

Working pressure by rules

106

Steam dome: description of joint to shell

none

% of strength of joint

Thick-

ness of shell plates

Material

Description of longitudinal joint

Diam. of rivet holes

No. of rivets

Working pressure of shell by rules

Crown plates

Thickness

How stayed

SUPERHEATER.

Type

Date of Approval of Plan

Tested by Hydraulic Pressure to

No. of Test

Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler

No. of Safety Valve

Pressure to which each is adjusted

Is Easing Gear fitted

SURVEY REQUEST
NO. 1613 ATTACHEDThe foregoing is a correct description,
THOMAS HUDON & CO. LIMITED.

R. W. Johnston

Manufacturer.

During progress of

work in shops - -

920

921

922

923

924

925

926

927

928

929

930

931

932

933

934

935

During erection on

board vessel - - -

Total No. of visits

11

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. It is stated that the boiler will be fitted on board at Cardiff

Survey Fee

...

...

£

4-9-6

When applied for,

London & Co. a/c.

Travelling Expenses (if any) £

✓

When received,

19

W. Morrison

Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute

TUE FEB 22 1921

Assigned

TUE NOV. 24 1920

FRI. 2 DEC. 1921

TUE MAR. 14 1922

FRI. 2 JUN. 1922

TUE DEC. 19 1922

Lloyd's Register

Foundation

468-0239