

REPORT ON BOILERS.

No. 3619

Port of

Genoa

Received at London Office

SAT. 19 MAY 1906

Date, first Survey

April 23rd

Last Survey

May 16th 1906

(Number of Visits 8)

No. in Survey held at

Genoa

Book.

on the

S.S. "Cerea"

Gross 4295.11
Net 2726.10

ter H. Molinari

Built at

Spezia

By whom built

Cant. Van di Muggiano

When built

1901

ines made at

W. Huntlepool

By whom made

Thos. Richardson & Sons Ltd

when made

1901

lers made at

do

By whom made

do

when made

1901

istered Horse Power

356

Owners

L. Capuccio & Co

Port belonging to

Genoa

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

John Spencer

etter for record

3

Total Heating Surface of Boilers

5925.5

Is forced draft fitted

No. and Description of

Boilers

One Horizontal Multitubular

Working Pressure

100

Tested by hydraulic pressure to

200

Date of test

No. of Certificate

Can each boiler be worked separately

Area of fire grate in each boiler

27.5

No. and Description of

Safety valves to each boiler

2 Spring

Area of each valve

6.4

Pressure to which they are adjusted

100 lbs

Are 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

12"

Mean dia. of boilers

9-6"

Length

9-0"

Material of shell plates

Steel

Thickness

5/8"

Range of tensile strength

28-32

Are the shell plates welded or flanged

No

Description of riveting: cir. seams

Double

long. seams

S.B. Steps
6 Rivets

Diameter of rivet holes in long. seams

29"

Pitch of rivets

3 1/2"

Gap of plates or width of butt straps

8 9/16"

Per centages of strength of longitudinal joint

85.75

Working pressure of shell by

plate 74.00

Rules

Size of manhole in shell

16" x 12"

Size of compensating ring

32 x 24"

No. and Description of Furnaces in each

Boiler

2 Plain

Material

Steel

Outside diameter

34"

Length of plain part

top 6-2"

Thickness of plates

crown 1/2"

bottom 1/2"

Description of longitudinal joint

Single lap

No. of strengthening rings

1

Working pressure of furnace by the rules

107

Combustion chamber

Plates: Material

Steel

Thickness: Sides

1/16"

Back 1/16"

Top 1/16"

Bottom 1/2"

Pitch of stays to ditto: Sides

6 1/2 x 7 1/2"

Back 6 1/2 x 7 1/2"

Top 7 1/2 x 7 1/2" If stays are fitted with nuts or riveted heads

Nuts

Working pressure by rules

115

Material of stays

Steel

Diameter at

Smallest part

1 3/4 x 1 1/4" Area supported by each stay

47

Working pressure by rules

168

End plates in steam space: Material

Steel

Thickness

3/4"

Pitch of stays

14 1/2 x 14 1/2"

How are stays secured

R. washers

Working pressure by rules

108

Material of stays

Steel

Diameter at smallest part

1 3/4"

Area supported by each stay

203"

Working pressure by rules

166.5

Material of Front plates at bottom

Steel

Thickness

3/4"

Material of

Lower back plate

Steel

Thickness

5/8"

Greatest pitch of stays

12 1/8"

Working pressure of plate by rules

191

Diameter of tubes

3"

Pitch of tubes

4 1/16"

Material of tube plates

Steel

Thickness: Front

3/4"

Back 1/16"

Mean pitch of stays

8 3/8"

Pitch across wide

water spaces

14 1/8"

Working pressures by rules

100.07

Girders to Chamber tops: Material

Steel

Depth and thickness of

girder at centre

5 1/8 x 1 1/8"

Length as per rule

23"

Distance apart

4 3/32"

Number and pitch of Stays in each

2-7 1/8"

Working pressure by rules

155

Superheater or Steam chest: how connected to boiler

None

Can the superheater be shut off and the boiler worked

separately

Diameter

Length

Thickness of shell plates

Material

Description of longitudinal joint

Diam. of rivet

holes

Pitch of rivets

Working pressure of shell by rules

Diameter of flue

Material of flue plates

Thickness

If stiffened 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

Yes

VERTICAL DONKEY BOILER

No.

Description

Manufacturers of steel

Made at

By whom made

When made

Where fixed

Working pressure

tested by hydraulic pressure to

No. of Certificate

Fire grate area

Description of safety valves

No. of safety valves

Area of each

Pressure to which they are adjusted

If fitted with easing gear

If steam from main boilers can

enter the donkey boiler

Dia. of donkey boiler

Length

Material of shell plates

Thickness

Range of tensile

strength

Descrip. of riveting long. seams

Dia. of rivet holes

Whether punched or drilled

Pitch of rivets

Lap of plating

Per centage of strength of joint

Rivets

Plates

Working pressure of shell by rules

Thickness of shell crown plates

Radius of do.

No. of Stays to do.

Dia. of stays

Diameter of furnace Top

Bottom

Length of furnace

Thickness of furnace plates

Description of joint

Working pressure of furnace by rules

Thickness of furnace crown

plates

Stayed by

Diameter of uptake

Thickness of uptake plates

Thickness of water tubes

The foregoing is a correct description,

Manufacturer.

Maurice Peterson

The Surveyors to Lloyd's Register.

Dates of Survey while building
During progress of work in shops - -
During erection on board vessel - - -
Total No. of visits

Is the approved plan of main boiler forwarded herewith

No

" " " donkey " " "

" " " donkey " " "

" " " donkey " " "

No

W11404-0055

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Lloyd's Register Foundation

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

for the P
Ship's Na
Report
Sent, Da
Returne
To be n

Certificate (if required) to be sent to
(The Surveyors are requested not to write on or below the space for Committee's Minute.)

The amount of Entry Fee...	£	:	:	When applied for,
Special	£	:	:	19
Donkey Boiler Fee ...	£	:	:	When received,
Travelling Expenses (if any) £	:	:	:	19

Engineer Surveyor to Lloyd's Register of British and Foreign Ship

Committee's Minute

TUES, 22 MAY 1906

FRI, 31 AUG 1906

Assigned

*See attached
report*



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