

Rpt. 5a.

## REPORT ON BOILERS.

No. 8459.

WED. DEC. 11. 1912

MON. NOV. 11. 1912

Received at London Office

Date of writing Report

191

When handed in at Local Office

9/11/12

191

Port of

Grimsby

No. in Survey held at

Reg. Book.

Date, First Survey

4/7/12

Last Survey

3/10/12

1912

(Number of Visits

21

Gross

Tons

Net

Master

Built at

By whom built

When built

Engines made at

By whom made

When made

Boilers made at

By whom made

When made

Registered Horse Power

Owners

Port belonging to

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

Phoenix A&S Des. at  
Horder & Co.

(Letter for record

S

Total Heating Surface of Boilers

1057

Is forced draft fitted

No. and Description of

Boilers one S.E. return tube

Working Pressure

180 lb

Tested by hydraulic pressure to

360

Date of test

3/10/12

No. of Certificate

106

Can each boiler be worked separately

Area of fire grate in each boiler

30

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

Mean dia. of boilers

Length

9'-6"

Material of shell plates

Thickness

Range of tensile strength

29/32

Are the shell plates welded or flanged

no

Descrip. of riveting: cir. seams

double long. seams

treble butt

Diameter of rivet holes in long. seams

1"

Pitch of rivets

7"

Lap of plates or width of butt straps

15"

Per centages of strength of longitudinal joint

rivets

84.1

Working pressure of shell by

rules

189

Size of manhole in shell

12x16

Size of compensating ring

16x16x1/8"

No. and Description of Furnaces in each

boiler

Material

S

Outside diameter

39

Length of plain part

top

70

Thickness of plates

crown

23/32

Description of longitudinal joint

welded

No. of strengthening rings

none

Working pressure of furnace by the rules

186

Combustion chamber

plates: Material

S

Thickness: Sides

5/8

Back

5/8

Top

5/8

Bottom

3/4

Pitch of stays to ditto: Sides

5/8x8 1/2

Top

5/8x8 1/2

If stays are fitted with nuts or riveted heads

nuts

Working pressure by rules

182

Material of stays

S

Diameter at

smallest part

1.79

Area supported by each stay

74.5

Working pressure by rules

192

End plates in steam space: Material

S

Thickness

1"

Pitch of stays

16x16

How are stays secured

d. nut &amp; washer

Working pressure by rules

185

Material of stays

S

Diameter at smallest part

5.05

Area supported by each stay

256

Working pressure by rules

197

Material of Front plates at bottom

S

Thickness

15/16

Material of

Lower back plate

S

Thickness

15/16

Greatest pitch of stays

13.6

Working pressure of plate by rules

204

Diameter of tubes

3/4

Pitch of tubes

4 1/2

Material of tube plates

S

Thickness: Front

15/16

Back

2/32

Mean pitch of stays

9

water spaces

14 1/4

Working pressures by rules

180

Girders to Chamber tops: Material

S

Depth and thickness of

girder at centre

2-8x7/8

Length as per rule

26.5

Distance apart

8

Number and pitch of Stays in each

2-8 1/2

Working pressure by rules

215

Superheater or Steam chest: how connected to boiler

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

THE CENTRAL CO-OPERATIVE

The foregoing is a correct description

of the boiler and its fittings

as shown on the drawings

and is correct for the purpose of the survey

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Dates

During progress of

July 4. 12. 17. 24. 29 Aug. 22 Sep. 4. 6. 13. 17 Oct. 4

Is the approved plan of boiler forwarded herewith

yes

of Survey

work in shops - - -

9. 11. 17. 19. 21. 23. 25. 29. 31

while

During erection on

board vessel - - -

Total No. of visits

21

GENERAL REMARKS

(State quality of workmanship, opinions as to class, &amp;c.)

The workmanship of this

boiler is good, and it has been built in accordance with the approved plan. The material tested in accordance with rule requirements. The boiler has been shipped to Ymuiden to be fitted on steam trawler Elie Chenevriere.

Survey Fee

...

...

£

3

:

10

:

:

When applied for,

9/11/12

191

Travelling Expenses (if any) £

:

:

:

When received,

1/3/13

191

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

Committee's Minute

FRI. DEC. 13. 1912

Assigned

Rpt. Ans. 12.11.12.

See

Minute on

Ans. Rpt. 5433

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Lloyd's Register  
Foundation

W1248-0016