

Rpt. 5b.

REPORT ON BOILERS.

No. 13614.

MON. APR. 15. 1912

Date of writing Report

9/4 1912

When handed in at Local Office

9/4

1912

Port of *Liverpool*

Safety

No. in
Reg. Book.

Survey held at

Liverpool

Date, First Survey

1st March

Last Survey

3rd April

1912.

on the

Donkey Boiler No 299 for Messrs Gade S.B. Co 150 (Feiga I)

(Number of Visits)

3

Tons

Gross

Net

Master

Built at

By whom built

When built

Boiler made at

Liverpool

By whom made

G. Black & Sons

When made

1912

Owners

Port belonging to

VERTICAL DONKEY BOILER—

No. *one*

Description

Vertical

Manufacturers of steel

*Messrs Gade S.B. Co
Liverpool*

Made at

Liverpool

By whom made

G. Black & Sons

When made

3/4/12

Where fixed

Stokehold

Working pressure

100 lb

tested by hydraulic pressure to

200 lb

Date of test

3/4/12

No. of Certificate

687

Fire grate area

Description of safety valves

spring loaded

No. of safety valves

one

Area of each

3 1/2"

Pressure to which they are adjusted

100 lb

If fitted with easing gear

yes

If steam from main boilers can

enter the donkey boiler

no

Dia. of donkey boiler

5'-6"

Length

11'-0"

Material of shell plates

S

Thickness

7/16

Range of tensile

strength

28-32

Descrip. of riveting long. seams

lap butt

Dia. of rivet holes

1 3/16

Whether punched or drilled

drilled

Pitch of rivets

3 1/8"

Lap of plating

5 1/2"

Per centage of strength of joint

Rivets

110

Working pressure of shell by rules

125

Thickness of shell crown plates

9/16

Radius of do.

4'-9"

No. of Stays to do.

4

Dia. of stays

1 1/2"

Diameter of furnace Top

4'-3"

Bottom

4'-10"

Length of furnace

5'-9"

Thickness of furnace plates

19/32

Description of joint

lap single

Working pressure of furnace by rules

102

Thickness of furnace crown

3/8

Thickness of water tubes

3/8

Radius of do.

4'-9"

Stayed by

as shell crown

Diameter of uptake

14"

Thickness of uptake plates

3/8

The foregoing is a correct description.

G. Black & Sons Manufacturer.

Dates of Survey

During progress of work in shops—

1912 March 1-20 April 3-

During erection on board vessel—

- -

Total No. of visits

3

Is the approved plan of boiler forwarded herewith

yes

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

This donkey boiler has been built under special survey. The materials and workmanship are sound and good and on completion it was tested by hydraulic pressure to twice the working pressure and found satisfactory.

This donkey boiler has now been fitted on board the above vessel & its safety valves adjusted under steam an efficient steam donkey pump has been fitted.

Frank L. Sturgeon.

Survey Fee

...

...

£

2

:

2

:

When applied for,

9th April 1912

Travelling Expenses (if any)

£

2

:

8

:

When received,

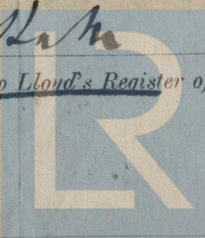
11th April 1912

Committee's Minute

TUE. JUN. 25. 1912

Assigned

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



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Lloyd's Register
Foundation

W88-0163