

# REPORT ON BOILERS.

No. 33989  
WED. MAY. 27. 1914

Received at London Office

TUE. JUL. -7. 1914

Form of writing Report

101

When handed in at Local Office

19-5-1914 Port of Glasgow

No. in Survey held at

Glasgow

Date, First Survey

8. 1. 14

Last Survey

22. 4. 1914

Reg. Book.

on the Boilers 2-304 - 1/2 "Linda Blanche"

(Number of Visits

6.)

Gross 530.

Tons

Net 199

Registered

Built at

Bowling

By whom built

Scott Sons 254.

When built

1914

Engines made at

Glasgow

By whom made

Atchison Blair & Co 87.

When made

1914

Boilers made at

Glasgow

By whom made

David Rowan & Co 2-204

When made

1914

Registered Horse Power

103.

Owners

Anglesey Shipping Co

Port belonging to

Beaumaris

## MULTITUBULAR BOILERS - MAIN, AUXILIARY OR DONKEY.

Manufacturers of Steel David Colville & Sons Ltd

Letter for record

(5)

Total Heating Surface of Boilers

1905 sq ft

Is forced draft fitted

Yes

No. and Description of

Boilers

One Single Ended

Working Pressure

180 lb

Tested by hydraulic pressure to 360 lb Date of test 22/4/14

Number of Certificate

12669

Can each boiler be worked separately

Yes

Area of fire grate in each boiler

58.5 sq ft

No. and Description of

Safety valves to each boiler

2

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 14'6" Length 10'6"

Material of shell plates

slut

Thickness 1 1/8"

Range of tensile strength 24-432

Are the shell plates welded or flanged

Yes

Description of riveting: cir. seams

D. R. L.

long. seams

D. B. S.

Diameter of rivet holes in long. seams

1 1/4"

Pitch of rivets

8-562"

Distance between plates or width of butt straps

18 1/2"

Per centages of strength of longitudinal joint

rivets 90.5%

plate 85.4%

Working pressure of shell by

Rules

180 lb

Size of manhole in shell

16 x 12"

Size of compensating ring

Flanged

No. and Description of Furnaces in each

Boiler

3

Material

slut

Outside diameter

3-9 1/8"

Length of plain part

Top

Thickness of plates

17 1/2"

Description of longitudinal joint

weld

No. of strengthening rings

Working pressure of furnace by the rules

180

Combustion chamber

Material

slut

Thickness: Sides

3/4"

Back

2 1/32"

Top

3/4"

Bottom

Pitch of stays to ditto: Sides

9 1/2 x 10 1/2"

Back

9 1/2 x 8 1/2"

Area

1.76

If stays are fitted with nuts or riveted heads

nuts

Working pressure by rules

183

Material of stays

slut

Area

Diameter at

smallest part

2.07

Area supported by each stay

104

Area

20 1/2 x 19 1/2"

How are stays secured

D. nuts

Working pressure by rules

181

Material of stays

slut

Area

Diameter at

smallest part

7.06

Area

400

Working pressure by rules

184

Material of Front plates at bottom

slut

Thickness

2 9/32"

Material of

per back plate

slut

Thickness

57/64"

Greatest pitch of stays

13 1/4"

Working pressure of plate by rules

180

Diameter of tubes

3 1/4"

Distance between tubes

4 1/2 x 4 1/2"

Material of tube plates

slut

Thickness: Front

2 9/32"

Back

1 3/16"

Mean pitch of stays

11 1/2"

Pitch across wide

spaces

14"

Working pressures by rules

180

Girders to Chamber tops: Material

slut

Depth and thickness of

girder at centre

9 x 3/4 x 2"

Length as per rule

30 1/2"

Distance apart

11"

Number and pitch of Stays in each

2

at

9 1/2"

Working pressure by rules

180

Superheater or Steam chest: how connected to boiler

None

Can the superheater be shut off and the boiler worked

separately

Yes

Diameter

Length

Thickness of shell plates

Material

Description of longitudinal joint

Diam. of rivet

Pitch of rivets

Working pressure of shell by rules

Diameter of flue

Material of flue plates

Thickness

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

Survey request form

14/15 attached

The foregoing is a correct description,

for David Rowan & Co Manufacturer.

During progress of

work in shops - -

1914. Jan 8. Mar 3. 21. 27. Apr 6. 22.

Is the approved plan of boiler forwarded herewith

Yes

During erection on

board vessel - - -

Total No. of visits

6.

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

This boiler has been

constructed under Special Survey & is of good materials & workmanship.

Survey Fee

£ 6 : 7 :

When applied for

25/5/14

1914

Travelling Expenses (if any) £

When received

27/5/14

1914

Shipping.

Committee's Minute

GLASGOW 26 MAY. 1914

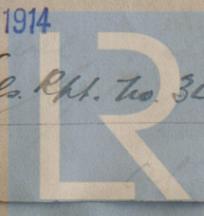
signed

TRANSMIT TO LONDON

H Gardner-Smith  
Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

GLASGOW 6 - JUL. 1914

See minute on G.L. R.H. No. 34190



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Foundation

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