

REPORT ON BOILERS

No. 35657

RECEIVED 22 DEC. 1915

Received at London Office

Writing Report

101

When handed in at Local Office

101

Port of *Glasgow*

Survey held at

Date, First Survey

22/3/15

Last Survey

10th December 1915

No.

on the *Boiler No 667 for Messrs A & W Dalglisch No 15 Vessel Ss "Largan"*

(Number of Visits)

Gross

Tons

Net

Built at

Alloa

By whom built

Messrs A & W Dalglisch

When built

made at

By whom made

When made

made at

Glasgow

By whom made

Messrs A & W Dalglisch

When made

Horse Power

Owners

Port belonging to

TITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel *W. & A. Dalglisch & Co Ltd*

for record

S

Total Heating Surface of Boilers

1050 sq ft

Is forced draft fitted

No. and Description of

one single ended Marine

Working Pressure

135 lb

Tested by hydraulic pressure to

270 lb

Date of test

10.12.15

Certificate

13304

Can each boiler be worked separately

Area of fire grate in each boiler

355 sq ft

No. and Description of

valves to each boiler

2 Spring valves

Area of each valve

5.94 sq ft

Pressure to which they are adjusted

140 lb

fitted with easing gear

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

distance between boilers or uptakes and bunkers or woodwork

11"

Inside

Mean dia. of boilers

11' 0"

Length

10' 0"

al of shell plates

Steel

Thickness

3/4"

Range of tensile strength

28 to 32 tons

Are the shell plates welded or flanged

No

of riveting: cir. seams

66 R

long. seams

TR. D.B.S.

Diameter of rivet holes in long. seams

7/8"

Pitch of rivets

5 5/8"

plates or width of butt straps

13 3/4"

Per centages of strength of longitudinal joint

rivets

84.8

Working pressure of shell by

plate

84.4

Size of manhole in shell

16" x 12"

Size of compensating ring

6" x 3/4"

No. and Description of Furnaces in each

2 Plain

Material

Steel

Outside diameter

3' 6"

Length of plain part

top 78 3/4"

Thickness of plates

*crown 4 3/4"**bottom 6 1/4"*

ption of longitudinal joint

weld

No. of strengthening rings

one

Working pressure of furnace by the rules

135 lb

Combustion chamber

Material

Steel

Thickness: Sides

17/32"

Back

17/32"

Top

17/32"

Bottom

15/16"

Pitch of stays to ditto: Sides

8" x 7 1/2"

Back

If stays are fitted with nuts or riveted heads

Nuts

Working pressure by rules

146 lb

Material of stays

Steel

Diameter at

area

End plates in steam space: Material

Steel

Thickness

13/16"

of stays

15" x 14 1/2"

How are stays secured

to Nuts

Working pressure by rules

143 lb

Material of stays

Steel

Diameter at smallest part

*area**3' 6 3/4"*

supported by each stay

217 sq in

Working pressure by rules

144 lb

Material of Front plates at bottom

Steel

Thickness

16"

Material of

back plate

Thickness

16"

Greatest pitch of stays

back plate

Steel

Thickness

16"

Working pressure of plate by rules

147 lb

Diameter of tubes

3 1/4"

of tubes

4 1/2" x 4 1/2"

Material of tube plates

Steel

Thickness: Front

11/16"

Back

5/8"

Mean pitch of stays

10 1/2"

Pitch across wide

*spaces**14 1/2" D.P.*

Working pressures by rules

183 lb

Girders to Chamber tops: Material

Steel

Depth and thickness of

*at centre**6 3/4" x 1 1/8"*

Length as per rule

26.8"

Distance apart

7 1/2"

Number and pitch of Stays in each

Two 8"

ing pressure by rules

144 lb

Superheater or Steam chest: how connected to boiler

*Can the superheater be shut off and the boiler worked**completely*

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**End plates: Thickness**How stayed**Are they fitted with easing gear**tened with rings**Distance between rings**Working pressure by rules**End plates: Thickness**How stayed*

ing pressure of end plates

*Area of safety valves to superheater**Are they fitted with easing gear**Survey request form**0.1740 attached*

The foregoing is a correct description,

A. W. Dalglisch

Manufacturers

es

During progress of

1915. Feb 22. Apr 9. 20. May 6. 12. 26. Jun 3. 23. July

Is the approved plan of boiler forwarded herewith

Yes

reey

work in shops - - -

1915. Aug 18. Sept 8. 13. 23. 27. Oct 6. 13. 21. 29. Nov 3. 7. 14. 21. 28. Dec 5. 12. 19. 26. 31. 1916.

Total No. of visits

25

le

During erection on

1915. Aug 18. Sept 8. 13. 23. 27. Oct 6. 13. 21. 29. Nov 3. 7. 14. 21. 28. Dec 5. 12. 19. 26. 31. 1916.

ing

board vessel - - -

Dec 3. 10.

GENERAL REMARKS

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

This boiler has been built under Special Survey and the workmanship is good.

Survey Fee

£ 3 : 10 : -

When applied for,

101

Travelling Expenses (if any) £

When received,

101

MONTHLY ACCOUNT.

James Dalglisch

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

Committee's Minute

GLASGOW

21 DEC. 1915

TUE. 19. DEC. 1916

Signed TRANSMIT TO LONDON



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