

REPORT ON BOILERS.

No. 31195.
WED. MAR. 13. 1912

Received at London Office

Writing Report 16. 2. 1912 When handed in at Local Office

7/3/1912 Port of Glasgow

Description of Ship in Survey held at Glasgow.

Date, First Survey 7th April 1912Last Survey 6th March 1912

(Number of Visits 26)

Gross 4918.80.
Net 3091.90.

ent Book.

on the s/s "Rivaldar"

ter A McLeunan Built at Glasgow

By whom built B. Coumell & Co.

When built 1912

Rivets Lines made at Glasgow

By whom made Dunsmuir & Jackson L^o (367)

When made 1912

at Plates

By whom made ditto

When made 1912

ys ers made at

By whom made

Port belonging to Liverpool

stered Horse Power

Owners Turner & Co.

MULTITUBULAR BOILERS ~~HEAT~~ OR DONKEY. — Manufacturers of Steel Colville

ter for record R. (r) Total Heating Surface of Boilers 9534

Is forced draft fitted No

No. and Description of

ers one Single Ended.

Working Pressure 100

Tested by hydraulic pressure to 200

Date of test 19. 12. 11

of Certificate 11338 Can each boiler be worked separately

Area of fire grate in each boiler 3083

No. and Description of

y valves to each boiler Double Spring.

Area of each valve 5.9

Pressure to which they are adjusted 105

they fitted with easing gear Yes

In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler No

Least distance between boilers or uptakes and bunkers or woodwork 6

Mean dia. of boilers 10-6 2/32

Length 9-6

Material of shell plates S

Thickness 21/32

Range of tensile strength 28/32

Are the shell plates welded or flanged

rip. of riveting: cir. seams DR.

long. seams TR 40%

Diameter of rivet holes in long. seams 1

Pitch of rivets 3 13/16

of plates on width of butt straps 4

Per centages of strength of longitudinal joint rivets 80 7/8

Working pressure of shell by

102 Size of manhole in shell 16 7/12

Size of compensating ring 8 1/2

No. and Description of Furnaces in each

2 plain

Material S

Outside diameter 3 2 1/8

Length of plain part top 6 5 1/2

bottom 6 9 1/4

Thickness of plates crown 9 1/16

bottom 9 1/16

ription of longitudinal joint weld.

No. of strengthening rings 1

Working pressure of furnace by the rules 105

Combustion chamber

s: Material S

Thickness: Sides 1/2

Back 1/2

Top 1/2

Bottom 5/8

Pitch of stays to ditto: Sides 8 5/8

Back 8 5/8

Diameter at

9 5/8

If stays are fitted with nuts or riveted heads

9 1/2

Working pressure by rules 106

Material of stays 9 iron

Diameter at

1 22. 1 47

Area supported by each stay 72

Working pressure by rules 102

End plates in steam space: Material S

Thickness 3/4

Diameter at smallest part 103

of stays 15 1/2 x 15 1/2

How are stays secured DN.

Working pressure by rules 105

Material of stays 9 iron

Diameter at smallest part 103

supported by each stay 240

Working pressure by rules 103

Material of Front plates at bottom S

Thickness 3/4

Material of

of tubes 4 1/4 x 4 1/8

Material of tube plates S

Thickness: Front 3/4

Back 1 1/16

Mean pitch of stays 12 1/2

Pitch across wide

spaces 14

Working pressures by rules 107

Girders to Chamber tops: Material 9 iron

Depth and thickness of

at centre 6 3/4 (2)

Length as per rule 2-4

Distance apart 8

Number and pitch of Stays in each 2 at 9

Working pressure by rules 110

Superheater or Steam chest: how connected to boiler

Can the superheater be shut off and the boiler worked

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

fitted 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

For DUNSMUIR & JACKSON, Limited

The foregoing is a correct description,

James Fletcher

Manager

Manufacturer.

Is the approved plan of boiler forwarded herewith Yes

Total No. of visits

During progress of work in shops - -

During erection on board vessel - - -

See Machinery Rpt.

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

This boiler has been built under special survey in accordance with the approved plan

the workmanship & material are of good quality

Report accompanies that of the Marine Engineer

Survey Fee ... £

Travelling Expenses (if any) £

When applied for, 191

When received, 191

Committee's Minute

Signed See accompanying machinery report.

GLASGOW 12 MAR. 1912

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

Lloyd's Register Foundation