

Rpt. 5a.

## REPORT ON BOILERS.

No. 35634.  
WED. APR. 30 1913  
WED. JUN. 4 1913

Date of writing Report 19.4.1913 When handed in at Local Office 26.4.1913 Port of Glasgow  
 Description of Safety No. in Survey held at Glasgow  
 Reg. Book. on the s/s Clandeboyne  
 Date, First Survey 12-11-12 Last Survey 18.4.1913  
 (Number of Visits 28.)  
 Master Built at Bouluig By whom built Scott & Son When built 1913  
 Engines made at Glasgow By whom made Aitchison & Blair 29.82 When made 1913  
 Boilers made at auto By whom made Dunsen & Jackson 29.88 When made 1913  
 Registered Horse Power Owners J. Kelly & Co Port belonging to

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel Glasgow &amp; Co. Ltd.

(Letter for record) Total Heating Surface of Boilers 1938 Is forced draft fitted No. and Description of

Boilers one single ended Working Pressure 180 Tested by hydraulic pressure to 360 Date of test 18.4.13

No. of Certificate 12073 Can each boiler be worked separately Area of fire grate in each boiler 60.52 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 14.10 3/16 Length 10-6

Material of shell plates S Thickness 1 3/16 Range of tensile strength 28/32 Are the shell plates welded or flanged

Descrip. of riveting: cir. seams DR. long. seams TR. &amp; DBS Diameter of rivet holes in long. seams 1 1/4 Pitch of rivets 8 3/4

Gap of plates or width of butt straps 1-6 7/8 Per centages of strength of longitudinal joint rivets 87.75 plate 85.75 Working pressure of shell by

rules 181 Size of manhole in shell 16x12 Size of compensating ring 80x9 1/2 No. and Description of Furnaces in each

No. 3 Bourgaud Material S Outside diameter 3-10 Length of plain part top 9 1/16 bottom 9 1/16 Thickness of plates crown 9 1/16 bottom 9 1/16

Description of longitudinal joint mild No. of strengthening rings Working pressure of furnace by the rules 187 Combustion chamber

Material S Thickness: Sides 1 1/16 Back 1 1/16 Top 1 1/16 Bottom 1 1/8 Pitch of stays to ditto: Sides 9 1/16 x 9 Back 9 1/2 x 9 1/2

p 9 1/16 x 9 1/2 If stays are fitted with nuts or riveted heads 9 1/2 Working pressure by rules 182 Material of stays S Diameter at

smallest part 1.99.23 Area supported by each stay 90 Working pressure by rules 195 End plates in steam space: Material S Thickness 1 1/4

Pitch of stays 1 1/2 x 20 1/4 How are stays secured DN Working pressure by rules 194 Material of stays S Diameter at smallest part 6 9/16

Area supported by each stay 355 Working pressure by rules 199 Material of Front plates at bottom S Thickness 1 1/16 Material of

lower back plate S Thickness 2 9/32 Greatest pitch of stays 1 1/2 x 9 1/2 Working pressure of plate by rules 200 Diameter of tubes 3 1/4

Pitch of tubes 4 1/2 x 4 9/16 Material of tube plates S Thickness: Front 1 1/16 Back 1 3/16 Mean pitch of stays 11 3/8 Pitch across wide

tube spaces 14 1/4 Working pressures by rules 191 Girders to Chamber tops: Material No Depth and thickness of

rider at centre 9 x 7 1/8 (2) Length as per rule 2.9 Distance apart 9 Number and pitch of Stays in each 2 at 9 1/16

Working pressure by rules 185 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

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

Survey request form

No. 1126 attached

The foregoing is a correct description,

James Fitcher Manufacturer.

Dates During progress of work in shops: 1912 Nov. 12. 21. 25. Dec. 2. 5. 10. 12. 23. 27.  
 Survey while building: 1913 Jan. 16. 22. Feb. 10. 11. 12. 17. 18. 19. 24. 27.  
 During erection on board vessel: March 2. 12. 17. 26. Apr. 2. 4. 10. 15. 18.

Is the approved plan of boiler forwarded herewith Yes  
Total No. of visits 28.

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

This Boiler has been built under Special Survey in accordance with the approved plan & the workmanship & material are of good quality. This Boiler is intended to be fitted on board at Glasgow & is a duplicate of this No. 432 G.R. Rpt. 31953

Survey Fee ... £ 6 : 9 : When applied for, 28.4.1913.

Travelling Expenses (if any) £ : : When received, 30.4.1913.

&amp; Foreign Shipping.

Committee's Minute

GLASGOW 29 APR. 1913

Assigned Transmit to London

Engineer Surveyor to Lloyd's Register of British &amp; Foreign Shipping.

GLASGOW

3-JUN. 1913

See minute on G.R. Rpt. No. 32770

Lloyd's Register Foundation

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