

## REPORT ON BOILERS.

No. 32118  
WED. DEC. -4. 1912

Date of writing Report 29. 11. 1912 When handed in at Local Office 2. 12. 1912 Port of Glasgow  
 No. in Survey held at Pollotshaws, Glasgow Date, First Survey 27. 8. 12 Last Survey 26. 11. 1912  
 Book. on the Marine boiler for S. Sug. "Valchot." (Number of Visits 11.) Gross Tons }  
 Built at New Holland By whom built N. H. Warren When built  
 Lines made at Grimshy By whom made R. C. Walker (Sup No. 72) When made  
 Boilers made at Pollotshaws, Glasgow By whom made A. W. Dalglisch (No. 566) When made 1912.  
 Registered Horse Power Owners Thomas Milward of Swansea Port belonging to

TITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel Steel Co of Scotland  
 No. for record S. / Total Heating Surface of Boilers 575 Is forced draft fitted no No. and Description of  
 Boilers one single ended Marine Working Pressure 130 lb Tested by hydraulic pressure to 260 lb Date of test 26. 11. 12  
 of Certificate 11884 Can each boiler be worked separately yes Area of fire grate in each boiler 26.5 No. and Description of  
 valves to each boiler Two, spring-loaded Area of each valve 4.91 Pressure to which they are adjusted 135 lbs  
 they fitted with easing gear yes In case of donkey boilers, state whether steam from main boilers can enter the donkey boilers  
 least distance between boilers or uptakes and bunkers or woodwork 5" Inside dia. of boilers 8'-6" Length 8'-10 1/2"  
 Material of shell plates Steel Thickness 5/8" Range of tensile strength 28/32 tons Are the shell plates welded or flanged no  
 Grip of riveting: cir. seams B.R. lap long. seams B.R. S.B.S. Diameter of rivet holes in long. seams 7/8" Pitch of rivets 3 1/16"  
 of plates or width of butt straps 8 3/4" Per centages of strength of longitudinal joint rivets 76.1% Working pressure of shell by  
131 lb Size of manhole in shell 16' x 12' Size of compensating ring 7' x 5/8" 76.2%  
 No. and Description of Furnaces in each  
 No. 2 plain Material Steel Outside diameter 2'-9" Length of plain part 70" Thickness of plates crown 3 9/16"  
 Description of longitudinal joint welded No. of strengthening rings none Working pressure of furnace by the rules 138 Combustion chamber  
 Material Steel Thickness: Sides 1/2" Back 1/2" Top 1/2" Bottom 13/16" Pitch of stays to ditto: Sides 7 1/2' x 7' Back 8' x 7 1/4'  
7 1/2' x 7' stays are fitted with nuts or riveted heads nuts Working pressure by rules 132 Material of stays Steel Diameter at  
 least part 1.01" Area supported by each stay 58" Working pressure by rules 139 End plates in steam space: Material Steel Thickness 3/4"  
 No. of stays 15' x 12' How are stays secured by nuts Working pressure by rules 136 Material of stays Steel Diameter at smallest part 2.87"  
 Area supported by each stay 184.5" Working pressure by rules 161 Material of Front plates at bottom Steel Thickness 3/4" Material of  
 rear back plate Steel Thickness 3/4" Greatest pitch of stays 13" Working pressure of plate by rules 175 Diameter of tubes 3 1/4"  
 No. of tubes 4 1/4' x 4 1/4' Material of tube plates Steel Thickness: Front 3/4" Back 19/32" Mean pitch of stays 8 1/2' x 10 5/8' Pitch across wide  
 spaces 13 1/4" Working pressures by rules 219 lb Girders to Chamber tops: Material Steel Depth and thickness of  
 girder at centre 6' x 1' Length as per rule 1'-10 1/32" Distance apart 7 1/2" Number and pitch of Stays in each 2 @ 7'  
 Working pressure by rules 147 lb Superheater or Steam chest: how connected to boiler B.R. lap Can the superheater be shut off and the boiler worked  
 separately yes Diameter 24" Length 26" Thickness of shell plates 7/16" Material Steel Description of longitudinal joint B.R. lap Diam. of rivet  
13/16" Pitch of rivets 2 3/4" Working pressure of shell by rules 300 Diameter of flue 5" Material of flue plates Steel Thickness 5/8"  
 stiffened with rings yes Distance between rings 5" Working pressure by rules yes End plates: Thickness 5/8" How stayed 3 stays 12 dia.  
 Working pressure of end plates 260 lb Area of safety valves to superheater yes Are they fitted with easing gear yes

Survey request form.

No. 1045 attached

The foregoing is a correct description,

A. W. Dalglisch Manufacturer.

Dates During progress of work in shops 1912 Aug. 27. 30. Sept. 16. Oct. 2. 4. 17. 26. 28. Is the approved plan of boiler forwarded herewith yes  
 while (During erection on board vessel) Nov. 7. 18. 26. Total No. of visits 11.

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) The workmanship & materials are  
 good. The boiler has been built under Special Survey.

The destination is unknown as yet.

Survey Fee ... £ 2 : 2 : } When applied for, Monthly  
 Travelling Expenses (if any) £ : : } When received, 1912

Committee's Minute

GLASGOW 3-DEC. 1912

Assigned Transmit to London

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

TUE. DEC. 9-1912

Lloyd's Register  
Foundation

W1599-0034