

# REPORT ON BOILERS.

No. 29993

Received at London Office

of writing Report 11-6-17 191 When handed in at Local Office 12-6 1917 Port of Hull  
 Date, First Survey 9-2-16 Last Survey 11-6-17 191  
 (Number of Visits 27) Gross Tons 305 Net Tons 122  
 Survey held at Hull on the Steel screw trawler Anthony Adlett  
 Built at Selby By whom built Bochane Bros Ld When built 1917-6  
 Plates made at Huddersbrough By whom made Richardsons Westgarth H<sup>o</sup> L<sup>d</sup> (No 2376) When made 1917-6  
 Rivets made at Hull By whom made C. D. Holmes H<sup>o</sup> L<sup>d</sup> (No 1185) When made 1917-6  
 Registered Horse Power Owners British Admiralty Port belonging to

**MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.**—Manufacturers of Steel Stewarts & Lloyds (Plates 28)  
 Number for record S Total Heating Surface of Boilers 1440 sq ft Is forced draft fitted no No. and Description of Boilers one single ended Working Pressure 250 Tested by hydraulic pressure to 400 Date of test 17-5-17  
 Certificate 3213 Can each boiler be worked separately yes Area of fire grate in each boiler 48 sq ft No. and Description of Valves to each boiler Two spring loaded Area of each valve 4.9 sq ft Pressure to which they are adjusted 205 lbs  
 they fitted with easing gear yes In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler yes  
 Closest distance between boilers or uptakes and bunkers or woodwork 8" Bl lagged Mean dia. of boilers 165" Length 10'-6"  
 Material of shell plates Steel Thickness 1 5/16" Range of tensile strength 28-32 1/2 Are the shell plates welded or flanged no  
 Direction of riveting: cir. seams double long. seams J.P.D.B. Diameter of rivet holes in long. seams 1 7/32" Pitch of rivets 8 1/8"  
 Width of plates or width of butt straps 18" Per centages of strength of longitudinal joint: rivets 87 plate 85 Working pressure of shell by rules 201  
 Size of manhole in shell 16" x 12" Size of compensating ring 7" x 1 1/4" No. and Description of Furnaces in each boiler Three plain Material steel Outside diameter 40" Length of plain part top 78 1/2" Thickness of plates top 1 1/16" bottom 1 1/16"  
 Description of longitudinal joint welded No. of strengthening rings 1 Working pressure of furnace by the rules 206 Combustion chamber Material Steel Thickness: Sides 3/4" Back 2 3/32" Top 3/4" Bottom 3/4" Pitch of stays to ditto: Sides 10" x 8" Back 9 3/4" x 8 1/4"  
 If stays are fitted with nuts or riveted heads nuts Working pressure by rules 208 Material of stays steel Diameter at smallest part 2.07" Area supported by each stay 88 sq in Working pressure by rules 211 End plates in steam space: Material steel Thickness 1 7/32"  
 How are stays secured N. L. & W. Working pressure by rules 210 Material of stays steel Diameter at smallest part 7.5"  
 Area supported by each stay 335 sq in Working pressure by rules 233 Material of Front plates at bottom steel Thickness 1 5/16" Material of back plate steel Thickness 1 5/16" Greatest pitch of stays 13 3/4" x 9 9/16" Working pressure of plate by rules 216 Diameter of tubes 3 1/2"  
 of tubes 4 7/8" Material of tube plates steel Thickness: Front 1 5/16" + 3/16" double Back 7/8" Mean pitch of stays 10" Pitch across wide spaces 14" Working pressures by rules 275 lbs Girders to Chamber tops: Material steel Depth and thickness of girders at centre 11" x 1 3/4" Length as per rule 36.218" Distance apart 11" Number and pitch of Stays in each chamber Three 8"  
 Working pressure by rules 201 Superheater or Steam chest: how connected to boiler yes Can the superheater be shut off and the boiler worked independently yes Diameter 11" Length 11" Thickness of shell plates 1 1/16" Material steel Description of longitudinal joint welded Diam. of rivet 1 1/8" Pitch of rivets 8" Working pressure of shell by rules 201 Diameter of flue 11" Material of flue plates steel Thickness 1 1/16" Flues strengthened with rings yes Distance between rings 11" Working pressure by rules 201 End plates: Thickness 1 1/16" How stayed yes Working pressure of end plates 201 Area of safety valves to superheater 11.36 & 11.37 Are they fitted with easing gear yes

Signature William Westerbrough & Charles Astie The foregoing is a correct description, for CHARLES D. HOLMES & CO. LTD Manufacturer.  
 During progress of work in shops 1916: Feb 19, Mar 8, 19, 23, 27, 29 Apr 2, 5, 11. Is the approved plan of boiler forwarded herewith forwarded with  
 During erection on board vessel 13, 18, 26, 27, May 1, 4, 9, 15, 16, 17, 21, 24, 29, 31 Total No. of visits 27 William Westerbrough

**GENERAL REMARKS** (State quality of workmanship, opinions as to class, &c.) This Boiler has been constructed under special survey in accordance with the approved plan & the rules of this city. The materials & workmanship are good, on completion it was tested by hydraulic pressure to 400 lbs found sound & tight. The boiler has been properly secured on board the vessel & its safety valves adjusted under steam as above.  
 Survey Fee £ 8 : 12 When applied for, 12/6/1917 Accumulation did not exceed 215 lbs.  
 Travelling Expenses (if any) £ 12/3 When received, 29/6/17

Committee's Minute TUE. 19 JUN. 1917  
 Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.  
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