

REPORT ON BOILERS.

No. 30,054

Received at London Office THU 19 JUL 1917

Date of writing Report 14-7-17 191 17 When handed in at Local Office 18-7-17 191 17 Port of Hull
 No. in Survey held at Hull Date, First Survey 2-4-17 Last Survey 16-7-17 191
 on the Boiler for s. trawler "John Gule" (Number of Visits) } Gross 324
 } Net 133
 Built at Leiby By whom built Cochrane & Sons Ltd When built 1917-7
 Made at Middlesbrough By whom made Richardsons Westgarth & Co Ltd (No 2318) When made 1917-7
 Made at Hull By whom made C. D. Holmes & Co Ltd (No A1) When made 1917-7
 Registered Horse Power _____ Owners British Admiralty Port belonging to _____

WATER TUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel Steel Co of Scotland
 Number for record 5 Total Heating Surface of Boilers 1440 sq ft Is forced draft fitted no No. and Description of Boilers one single ended
 Working Pressure 200 lbs Tested by hydraulic pressure to 400 Date of test 14-6-17
 of Certificate 3217 Can each boiler be worked separately ✓ 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 ✓
 least distance between boilers or uptakes and bunkers or woodwork 8" Blue lagged Mean dia. of boilers 165" Length 10'-6"
 Material of shell plates steel Thickness 1 1/8" Range of tensile strength 28-32 tons Are the shell plates welded or flanged no
 Kind of riveting: cir. seams double long. seams T.P.D.B. Diameter of rivet holes in long. seams 1 1/4" Pitch of rivets 8 5/8"
 Kind of plates or width of butt straps 18" Per centages of strength of longitudinal joint rivets 85.9 Working pressure of shell by rules 202
 Size of manhole in shell 16" x 12" Size of compensating ring 7' x 1 1/8" No. and Description of Furnaces in each boiler Three plain
 Material steel Outside diameter 40" Length of plain part 78 1/2" Thickness of plates top 7/16" crown 7/16" bottom 1/2"
 Description of longitudinal joint welded No. of strengthening rings ✓ Working pressure of furnace by the rules 206 Combustion chamber Material steel Thickness: Sides 3/4" Back 23/32" Top 3/4" Bottom 3/4" Pitch of stays to ditto: Sides 10" x 6" Back 9 3/4" x 8 3/4" x 9 3/4"
 If stays are fitted with nuts or riveted heads nuts Working pressure by rules 208 Material of stays steel Diameter at smallest part 7.5"
 Area supported by each stay 89 sq ft Working pressure by rules 211 End plates in steam space: Material steel Thickness 1 1/32"
 How are stays secured D. H. + W. Working pressure by rules 210 Material of stays steel Diameter at smallest part 7.5"
 Area supported by each stay 335 sq ft 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"
 Material of tube plates steel Thickness: Front 15/16" 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 at centre 11" x 1 3/4" Length as per rule 36' 2 1/8" 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 ✓ 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 ✓
 Flue lined 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 ✓

The foregoing is a correct description,
 for CHARLES D. HOLMES & CO. LTD Manufacturer.
J. C. Cooper

During progress of work in shops: 1917: Apr 2, 11, 16, 26, May 1, 4, 9, 12, 15, 21, 23, 29, 31 Is the approved plan of boiler forwarded herewith yes
 During erection on board vessel: Mar 22, 23, Jun 4, 6, 11, 14, 20, Jul 2, 3, 5, 7, 10, 11, 16 Total No. of visits 27

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) This boiler has been constructed in accordance with the approved plan & the rules of this Society. Materials & workmanship are good. It has been tested as above by hydraulic pressure & found tight. The boiler has been properly fitted & secured on board the vessel & safety valves adjusted under steam.

Fee £ 6: 10: - When applied for, 18/7/17 191 7
 Additional Expenses (if any) £ 12/3 When received, 31-7-17 191 17
Frank A. Stanger
 Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute FRI. 20 JUL 1917
See memo. J.C. rpt. attached
 Lloyd's Register Foundation
 008364 - 008374 - 0180