

REPORT ON BOILERS.

No. 29874
SAT. 31 MAR. 1917

Date of writing Report 27-3-17 1917 When handed in at Local Office 29-3-1917 Port of Hull
 Received at London Office
 No. in Survey held at Hull Date, First Survey 4-1-17 Last Survey 21-3-1917
 Reg. Book. 1007 on the steel screw steamer "Anglia" (Number of Visits 15) Gross 196 Tons Net 74
 Master [Signature] Built at North Shields By whom built Smith's Dock Co. Ltd When built 1904-11
 Engines made at Lundland By whom made Thos. Coll & Pollock When made 1904-11
 Boilers made at Hull By whom made C. D. Holmes & Co. Ltd When made 1917-3
 Registered Horse Power 52 Owners Harley & Miller Ltd Port belonging to London

MULTITUBULAR BOILERS—MAIN, ~~AUXILIARY OR DONKEY~~—Manufacturers of Steel Stewart & Lloyd

(Letter for record S) Total Heating Surface of Boilers 1270 sq ft Is forced draft fitted no No. and Description of Boilers one single ended Working Pressure 185 Tested by hydraulic pressure to 360 Date of test 13-2-17

No. of Certificate 3192 Can each boiler be worked separately ✓ Area of fire grate in each boiler 33.75 sq ft No. and Description of safety valves to each boiler two spring loaded Area of each valve 3.97 sq in Pressure to which they are adjusted 185

Are they fitted with easing gear yes In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler ✓

Smallest distance between boilers uptake and bunkers woodwork 8" boiler lap dia. of boilers 147" Length 10'-3"

Material of shell plates steel Thickness 1 1/4" Range of tensile strength 28-32 Are the shell plates welded or flanged no

Descrip. of riveting: cir. seams double long. seams R.R.B. Diameter of rivet holes in long. seams 1 1/2" Pitch of rivets 6 3/4"

Lap of plates or width of butt straps 15" Per centages of strength of longitudinal joint rivets 89.3 Working pressure of shell by rules 181 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 two plain Material steel Outside diameter 42" Length of plain part top 79" Thickness of plates crown 2 1/2" bottom 1 3/2"

Description of longitudinal joint welded No. of strengthening rings ✓ Working pressure of furnace by the rules 185 Combustion chamber plates: Material steel Thickness: Sides 1 1/16" Back 2 1/32" Top 2 1/32" Bottom 1 1/16" Pitch of stays to ditto: Sides 10" x 9" Back 9 1/2" x 8 1/2"

Top 9 1/2" x 8 1/2" If stays are fitted with nuts or riveted heads nuts Working pressure by rules 181 Material of stays steel Area at smallest part 2.4 sq in Area supported by each stay 111 sq in Working pressure by rules 196 End plates in steam space: Material steel Thickness 1"

Pitch of stays 16" x 16" How are stays secured R. H. & W. Working pressure by rules 185 Material of stays steel Area at smallest part 4.77 sq in

Area supported by each stay 256 sq in Working pressure by rules 186 Material of Front plates at bottom steel Thickness 7/8" Material of lower back plate steel Thickness 29/32" Greatest pitch of stays 14 3/4" x 9 1/2" Working pressure of plate by rules 186 Diameter of tubes 3 1/2"

Pitch of tubes 4 3/4" Material of tube plates steel Thickness: Front 7/8" + 9/16" Back 13/16" Mean pitch of stays 10.7 Pitch across wide water spaces 15" plates double Working pressures by rules 224 lb. Girders to Chamber tops: Material steel Depth and thickness of girder at centre 8" x 1 3/4" Length as per rule 32.72" Distance apart 8 1/2" Number and pitch of Stays in each two 9 1/2"

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 plates ✓ 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 ✓

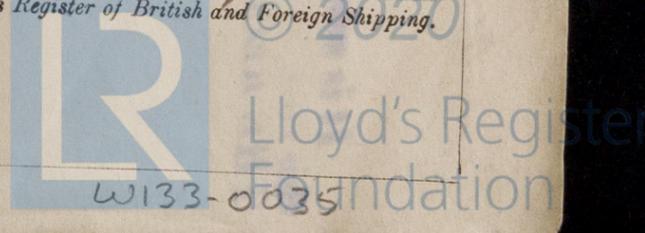
The foregoing is a correct description,
for CHARLES D. HOLMES & CO. LTD. Manufacturer.

Dates of Survey: During progress of 1917 - Jan 4, 9, 12, 16, 18, 23, 25, 30 Feb 1 Is the approved plan of boiler forwarded herewith yes please return
 while erecting on board vessel 7, 9, 13, 16, 20, 21 Total No. of visits 15

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 society. The materials & workmanship are good. The boiler has been tested as above found sound & tight. It has been properly fitted & secured on board the vessel & the safety valves adjusted under steam. The main steam pipe has been annealed, altered to suit & tested to hold. Refitted.

Survey Fee £ 4 : 5 : - When applied for, 29-3-1917 In my opinion the vessel is eligible for the Travelling Expenses (if any) £ : : - When received, 31-3-1917 Head + To B. 3.17.

Committee's Minute THU, -5 APR. 1917
 signed + R. B. 3.17
 Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.



THE SURVEYORS ARE REQUESTED NOT TO WRITE ACROSS THIS MARGIN.

New MSB now fitted on board

It is submitted that
this vessel is eligible for
THE RECORD. + NB 3.17

GS 34 HS 1270.

J.P.S.

4.4.17



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Foundation