

REPORT ON BOILERS.

Received at London Office

Date of writing Report 11.6.14 When handed in at Local Office 12.6.14 Port of Middlesbrough
 No. in Survey held at Stockton-on-Tees Date, First Survey March. 27th. Last Survey June 5th 1914.
 Reg. Book. on the Steel screw steamer "Anglesea" (Number of Visits 8.) Tons } Gross }
 (S.S. No. 640) Net }
 Master Built at Stockton By whom built Richardson Duck & Co When built
 Engines made at Stockton By whom made Messrs Blair & Co Ltd (No 1796) When made 1914
 Boilers made at Stockton By whom made Messrs Thomas Hudson & Co Ltd (No 3497) When made 1914
 Registered Horse Power Owners Messrs Jenkins Bros Port belonging to Cardiff

MULTITUBULAR BOILERS ~~MAIN, AUXILIARY OR DONKEY.~~ Manufacturers of Steel John Spencer & Sons
 (Letter for record (S)) Total Heating Surface of Boilers 1240 sq ft Is forced draft fitted no No. and Description of Boilers One single ended Working Pressure 100 Tested by hydraulic pressure to 200 Date of test 5.6.14
 No. of Certificate 5314 Can each boiler be worked separately no Area of fire grate in each boiler 36 sq ft No. and Description of safety valves to each boiler 2 direct spring Area of each valve 7.07 Pressure to which they are adjusted 105 lb
 Are they fitted with easing gear yes In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler no
 Smallest distance between boilers or uptakes and bunkers or woodwork on upper deck External dia. of boilers 11'-0" Length 11'-0"
 Material of shell plates steel Thickness 2 1/32" Range of tensile strength 29-33 Are the shell plates welded or flanged no
 Descrip. of riveting: cir. seams S. lap long. seams 3 Riv. lap Diameter of rivet holes in long. seams 15/16" Pitch of rivets 3 1/2"
 Lap of plates or width of butt straps 6 1/2" Per centages of strength of longitudinal joint rivets 76.7 Working pressure of shell by rules 101 Size of manhole in shell 16" x 12" Size of compensating ring 5 1/2" x 2 1/32" No. and Description of Furnaces in each boiler 2 plain Material steel Outside diameter 40 1/2" Length of plain part 87 1/2" Thickness of plates crown 1 1/32" bottom 5/8" mean
 Description of longitudinal joint weld No. of strengthening rings one Working pressure of furnace by the rules 900 Combustion chamber plates: Material steel Thickness: Sides 1 1/2" Back 1 1/2" Top 1 1/2" Bottom 1 1/2" Pitch of stays to ditto: Sides 9 1/2" x 8 1/2" Back 9" x 8 1/2"
 Top 9 1/2" x 8 1/2" If stays are fitted with nuts or riveted heads none Working pressure by rules 110 Material of stays steel Area at smallest part 1.19 Area supported by each stay 78.75 Working pressure by rules 121 End plates in steam space: Material steel Thickness 3/4"
 Pitch of stays 17 1/2" x 14 1/2" How are stays secured nuts Working pressure by rules 103 Material of stays steel Area at smallest part 2.66
 Area supported by each stay 236 Working pressure by rules 117 Material of Front plates at bottom steel Thickness 3/4" Material of Lower back plate steel Thickness 3/4" Greatest pitch of stays 13" x 8 1/2" Working pressure of plate by rules 158 Diameter of tubes 3 1/4"
 Pitch of tubes 4 1/2" x 4 1/4" Material of tube plates steel Thickness: Front 3/4" Back 5/8" Mean pitch of stays 11" Pitch across wide water spaces 13 3/4" Working pressures by rules 114 Girders to Chamber tops: Material steel Depth and thickness of girder at centre 6 1/2" x 1 1/4" Length as per rule 28 7/8" Distance apart 9 1/2" Number and pitch of Stays in each 2 @ 8 1/2"
 Working pressure by rules 104 Superheater or Steam chest: how connected to boiler none 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 holes Pitch of rivets Working pressure of shell by rules Diameter of flue Material of flue plates Thickness
 If 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 NO. 916 ATTACHED.

The foregoing is a correct description, THOMAS HUDSON & CO. LIMITED. Manufacturer.

T. J. Hudson

Dates of Survey } During progress of work in shops - - } Mar. 27, Apr. 6-16, May. 1-20-22-27, Jun. 5.
 while building } During erection on board vessel - - }
 Is the approved plan of boiler forwarded herewith yes
 Total No. of visits 8

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) This boiler has been built under special survey; is of good material and workmanship and on completion was tested by hydraulic pressure with satisfactory results. The boiler is to be fitted on board at this port.

This boiler has now been satisfactorily secured on board, examined under steam and safety valves adjusted

Survey Fee ... £ 4-3-0 When applied for, MONTHLY A/o. 191
 Travelling Expenses (if any) £ : : When received, 191

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

Committee's Minute TUE. JUL. 28. 1914
 Assigned See minute on rpt. attached

