

Rpt. 5a.

REPORT ON BOILERS.

No. 68155

Received at London Office

SAT. 13 NOV. 1915

Date of writing Report 16 Nov 1915 When handed in at Local Office NOV 12 1915 Port of Newcastle-on-Tyne.

No. in Survey held at Newcastle-on-Tyne Date, First Survey 3rd Aug 1915 Last Survey 12th Dec 1915

Reg. Book. on the S.S. 'Edith' Messrs J.P. Renoldson & Sons Ltd. 8001 1/2 Tons Gross 710 Net 297.

Master Built at Co. Shields By whom built J.P. Renoldson & Sons Ltd. When built 1915

Engines made at By whom made When made

Boilers made at Newcastle-on-Tyne By whom made Row. Hawthorn Leslie & Co. Ltd. When made 1915

Registered Horse Power Owners Geo. R. Haller Ltd. 106645 Port belonging to Hull

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel J. Spencer & Sons Ltd.

(Letter for record S.) Total Heating Surface of Boilers 2432 sq. ft. Is forced draft fitted No. No. and Description of

Boilers 2: Cylindrical. Working Pressure 180 lb. Tested by hydraulic pressure to 360 lb. Date of test 8/11/15

No. of Certificate 8818 Can each boiler be worked separately Area of fire grate in each boiler 34 sq. ft. No. and Description of

safety valves to each boiler 2: Direct Spring Loaded. Area of each valve 3.9 sq. in. Pressure to which they are adjusted 185 lb.

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 or uptakes and bunkers or woodwork Mean dia. of boilers 11' 10" Length 10' 0"

Material of shell plates Steel Thickness 1" Range of tensile strength 28/32 tons Are the shell plates welded or flanged No.

Descrip. of riveting: cir. seams Lap Double Tong. seams S.S. Triple Diameter of rivet holes in long. seams 1 1/16" Pitch of rivets 1/4" 3/8"

Lap of plates or width of butt straps 16 1/2" Per centages of strength of longitudinal joint rivets 90.6 Working pressure of shell by

rules 185 lb. Size of manhole in shell 16" x 12" Size of compensating ring Flange Plate No. and Description of Furnaces in each

boiler 2: Plain Material Steel Outside diameter 44" Length of plain part top 7/4" Thickness of plates crown 49" bottom 64"

Description of longitudinal joint Welded No. of strengthening rings none Working pressure of furnace by the rules 180 lb. Combustion chamber

plates: Material Steel Thickness: Sides 1/16" Back 1/16" Top 1/16" Bottom 8" Pitch of stays to ditto: Sides 9 1/2" x 9" Back 9 1/2" x 9"

Top 9 1/2" x 9" If stays are fitted with nuts or riveted heads Nuts Working pressure by rules 191 lb. Material of stays Steel Diameter at

smallest part 2.03" Area supported by each stay 85 1/2" Working pressure by rules 244 lb. End plates in steam space: Material Steel Thickness 1 3/8"

Pitch of stays 22" x 21" How are stays secured Bolted Working pressure by rules 180 lb. Material of stays Steel Diameter at smallest part 8 1/4"

Area supported by each stay 462" Working pressure by rules 183 lb. Material of Front plates at bottom Steel Thickness 1" Material of

Lower back plate Steel Thickness 1/16" Greatest pitch of stays 15 1/2" Working pressure of plate by rules 188 lb. Diameter of tubes 3 1/2"

Pitch of tubes 4 1/2" x 4 1/2" Material of tube plates Steel Thickness: Front 1" Back 3/4" Mean pitch of stays 10 1/2" Pitch across wide

water spaces 15" Working pressures by rules 181 lb. 186 lb. Girders to Chamber tops: Material Steel Depth and thickness of

girder at centre 8 1/2" x 1 3/8" Length as per rule 29.56" Distance apart 9" Number and pitch of Stays in each 2: 9 1/2"

Working pressure by rules 193 lb. Superheater or Steam chest: how connected to boiler none Can the superheater be shut off and the boiler worked

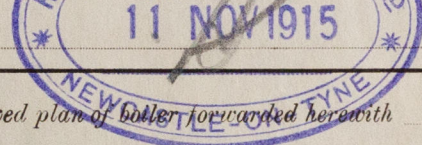
separately Diameter Length Thickness of shell plates Material Description of longitudinal joint Diam. of rivet

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

The foregoing is a correct description,



Manufacturer.

Dates of Survey During progress of work in shops - - - Aug. 3. 18. 31. Sep. 2. 8. 21. 28. 30. Oct. 11. 19. 27. Is the approved plan of boiler forwarded herewith Yes.

while building During erection on board vessel - - - Nov 8

Total No. of visits 12

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)

These main Boilers were built under special survey and the materials and workmanship are good. On completion they were tested as required by the Rules and found tight and sound.

Survey Fee ... £ 8 : 2 : When applied for, NOV 12 1915

Travelling Expenses (if any) £ : : When received, 1915

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

Committee's Minute FRI.-2 MAR. 1917

Assigned

W179-0097

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