REPORT ON BOILERS.

No. 10051.

Received at London Office TUE. 12 MAR. 1918

...iting Report 191 When handed in at Local Office 11·3·18 191 Port of Middlesbrough

Survey held at Stockton-on-Tees Date, First Survey Last Survey 191

...ok. on the Ferro-Concrete S/s "Armistice" (Number of Visits) Tons { Gross / Net

Built at Barrow-in-Furness By whom built Ferro-Concrete Ship Construction Co. When built 1919

...made at S. Shields By whom made G. T. Grey & Co Lim. When made

...made at Stockton By whom made Messrs Riley Bros Ld (No 5103) When made 1918

...ed Horse Power Owners The Ferro-Concrete Ship Construction Co Ld. (Leopold Walford (London) Ltd Mgrs.) Port belonging to London

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...TITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel John Spencer & Sons David Colville & Sons

...for record (S)) Total Heating Surface of Boilers 743 ⌀ Is forced draft fitted No No. and Description of

One single ended Working Pressure 140 Tested by hydraulic pressure to 280 Date of test 4·3·18

Certificate 5872 Can each boiler be worked separately Yes. Area of fire grate in each boiler 29 ⌀ No. and Description of

...valves to each boiler Two-Spring-loaded Area of each valve 3·98 □" Pressure to which they are adjusted 143 lbs per □"

...y fitted with easing gear Yes In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler ✓

...st distance between boilers or uptakes and bunkers or woodwork 4'-0" ~~Mean~~ Inside dia. of boilers 9'-6" Length 9'-0"

...al of shell plates Steel Thickness 43/64 Range of tensile strength 28-32 Are the shell plates welded or flanged no

...p. of riveting: cir. seams 2 R. lap long. seams 2 B-2 Riv 3 Rivets per pitch Diameter of rivet holes in long. seams 15/16 Pitch of rivets 5½"

...~~plates or~~ width of butt straps 9" × 11/16" Per centages of strength of longitudinal joint rivets 83·7 plate 82·9 Working pressure of shell by

...140 Size of manhole in shell 19" × 15" Size of compensating ring 7" × 1" McNeil No. and Description of Furnaces in each

...2 plain Material steel Outside diameter 36" Length of plain part top 66¾ bottom 92 Thickness of plates crown 5/8 bottom 11/16 mean

...ption of longitudinal joint Weld No. of strengthening rings none Working pressure of furnace by the rules 153 Combustion chamber

... Material Steel Thickness: Sides 9/16" Back 9/16" Top 9/16" Bottom 3/4" Pitch of stays to ditto: Sides 9" × 8" Back 9" × 8¼"

...½" × 8" If stays are fitted with nuts or riveted heads nuts Working pressure by rules 140 Material of stays steel Area at

...st part 1·45 Area supported by each stay 74·25 Working pressure by rules 156 End plates in steam space: Material steel Thickness 7/8"

...of stays 14 17 × 16½ to screw stays 15½ How are stays secured nuts & 6 × ½ washers Working pressure by rules 140 Material of stays steel Area at smallest part 4·11

...supported by each stay 278 Working pressure by rules 154 Material of Front plates at bottom steel Thickness 7/8" Material of

...back plate steel Thickness 7/8" Greatest pitch of stays 13¼" × 8¼" Working pressure of plate by rules 216 Diameter of tubes 3¼"

...of tubes 4½" × 4¼" Material of tube plates steel Thickness: Front 7/8" Back 5/8" Mean pitch of stays 10" Pitch across wide

...spaces 13¼" Working pressures by rules 140 Girders to Chamber tops: Material steel Depth and thickness of

...at centre 7" × 1¼" Length as per rule 26 Distance apart 9½" Number and pitch of Stays in each 2 @ 8"

...g pressure by rules 146 Steam dome: ~~description of joint to shell~~ none % of strength of joint

...er Thickness of shell plates Material Description of longitudinal joint Diam. of rivet holes

...rivets Working pressure of shell by rules Crown plates Thickness How stayed

...RHEATER. ~~Type~~ none Date of Approval of Plan Tested by Hydraulic Pressure to

...Test Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler

...of Safety Valve Pressure to which each is adjusted Is Easing Gear fitted

...VEY REQUEST
...O. 1407 ATTACHED.

The foregoing is a correct description,

FOR RILEY BROS. (BOILERMAKERS) LIMITED.

[signature] SECRETARY.

Manufacturer.

...y During progress of work in shops - - 1917. Nov 14. 19. 23. Dec 10. 20. 1918. Jan 10. 23 28. 31. Feb 20. 28. Mar 4 Is the approved plan of boiler forwarded herewith yes

...g During erection on board vessel - - - 1919, Jan 9th, 13th, 17th, 21st, 27th, 28th, 30th Feb 3rd 5th 6th 7th Total 11 Total No. of visits 12. Total 23.

...ERAL REMARKS (State quality of workmanship, opinions as to class, &c.) This boiler has been built under

...ial Survey: is of good material and workmanship and on completion was tested by hydraulic

...sure with satisfactory results. The boiler has been forwarded to South Shields

..., boiler has been efficiently fitted on board; its safety-valves have been adjusted

...r steam as noted above, & it was found tight under a full head of steam

...vey Fee ... ... £ 2-10-0 When applied for, Monthly A/C 191 John Houston 15/2/19

...velling Expenses (if any) £ ✓ When received, 191

Wm Morrison & Jas Short

Engineer Surveyor to Lloyd's Register of Shipping.

...mittee's Minute FRI.-7 MAR. 1919

...igned

Lloyd's Register Foundation