Lon Report on Hull No. 81354

pt. 5a.

REPORT ON BOILERS.

No. 4171

Received at London Office WED. 28 AUG. 1918

te of writing Report 191 When handed in at Local Office 27-8-1918 Port of MANCHESTER.

No. in Reg. Book. Survey held at BRADFORD Date, First Survey 25-4-18 Last Survey 7-8- 1918 (Number of Visits 6.)

on the Marine boiler for Drifter "Storm Centre" No 492 Tons {Gross / Net}

aster Built at Lowestoft By whom built ~~Richard Dunston~~ J. Chambers Co When built 1918

gines made at Lowestoft By whom made J. Chambers Co ~~Dey~~ When made 1918

oilers made at Bradford By whom made Hewitt & Kellett Ld. When made 1918-8

gistered Horse Power Owners Admiralty Port belonging to

LTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel Leeds Forge, Parkgate & Port Talbot.

r for record (S)) **Total Heating Surface of Boilers** 932 □ft 814 Is forced draft fitted No. **No. and Description of** s one cylindrical return tube **Working Pressure** 180 lbs Tested by hydraulic pressure to 360 lbs Date of test 7-8-1918.

t Certificate 22 Can each boiler be worked separately **Area of fire grate in each boiler** 30 □ft No. and Description of valves to each boiler 2 Spring loaded Area of each valve 4 □" Pressure to which they are adjusted 180 lbs

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

t distance between boilers or uptakes and bunkers or woodwork 6" Mean dia. of boilers 10'0" Length 9'6"

of shell plates Steel Thickness 27/32" Range of tensile strength 28/32 tons Are the shell plates welded or flanged ~~flanged~~ No.

of riveting: cir. seams double long. seams treble Diameter of rivet holes in long. seams 15/16" Pitch of rivets 7"

~~plates or~~ width of butt straps 13¾" Per centages of strength of longitudinal joint rivets 86·94 plate 86·6 Working pressure of shell by

2 lbs Size of manhole in shell 12" x 16" Size of compensating ring 24" x 28" x 27/32" **No. and Description of Furnaces in each**

2 plain Material Steel Outside diameter 3'2" Length of plain part top 6'0" bottom 5'10½" Thickness of plates crown / bottom 11/16"

on of longitudinal joint welded No. of strengthening rings nil Working pressure of furnace by the rules 180 lbs Combustion chamber

Material Steel Thickness: Sides 9/16" Back 9/16" Top 9/16" Bottom 9/16" Pitch of stays to ditto: Sides 8" x 7¼" Back 8" x 7½"

7" If stays are fitted with nuts or riveted heads nuts Working pressure by rules 182 lbs Material of stays Steel Area at part 1·50 □" Area supported by each stay 60 □" Working pressure by rules 200 lbs End plates in steam space: Material Steel Thickness 7/8"

stays 14" x 14" How are stays secured nuts & washers Working pressure by rules 182 lbs Material of stays Steel Area at smallest part 3·43 □"

ported by each stay 196 □" Working pressure by rules 182 lbs Material of Front plates at bottom Steel Thickness 7/8" Material of

k plate Steel Thickness 7/8" Greatest pitch of stays 17" Working pressure of plate by rules 184 lbs Diameter of tubes 3¼"

ubes 4¾" x 4¼" Material of tube plates Steel Thickness: Front 7/8" Back 11/16" Mean pitch of stays 9" Pitch across wide

es 13¼" Working pressures by rules 200 lbs. Girders to Chamber tops: Material Steel Depth and thickness of

centre 8" x 1⅛" Length as per rule ~~29½"~~ 28¼" Distance apart 7" **Number** and pitch of Stays in each 2 at 8"

ressure by rules 180 lbs Steam dome: description of joint to shell % of strength of joint

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

ets Working pressure of shell by rules Crown plates Thickness How stayed

EATER. Type Date of Approval of Plan Tested by Hydraulic Pressure to

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

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

The foregoing is a correct description,

per pro. HEWITT & KELLETT, LIMITED,

S. W. Kirkman Secretary. Manufacturer.

uring progress of work in shops - - } April 25. May 6. 9. June 24. July 8. Aug. 7. Is the approved plan of boiler forwarded herewith No.

uring erection on board vessel - - - } Total No. of visits

L REMARKS (State quality of workmanship, opinions as to class, &c.) This boiler has been constructed under l Survey, the materials tested in accordance with the Society's rules and the ship is good. The boiler has been tested by hydraulic pressure to 360 lbs □" and found boiler is eligible in my opinion to be classed and to have record of Survey when the safety valve nstalled with steam @ 180 lbs. Mountings & smokebox casings now fitted. Boiler Stamped

No. 22 LLOYDS TEST 360 lbs 7-8-1918

e ... ... £ 4 : 10 : 0 When applied for, 191

g Expenses (if any) £ ✓ : : When received, 11. 9. 18 191

16/1/19 A. Campbell

Engineer Surveyor to Lloyd's Register of Shipping.

TUE. JAN. 21. 1919

tee's Minute

Robert Rae

FRI. NOV. 26 1920

ssigned 2 Dec. 12. 18

CERTIFICATE WRITTEN 15. 4. 20

006204-006220-0180

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