

REPORT ON BOILERS.

No. 54210

FRI. 31 JAN 1908

Date of writing Report 17th Dec. 1907 When handed in at Local Office 30 JAN 1908 Port of Newcastle
 No. in Survey held at Newcastle Date, First Survey 18th Oct 1907 Last Survey Jan 21 1908
 Reg. Book. Screw tug "Salvage" (Number of Visits) Gross /// Net 2
 on the Screw tug "Salvage"
 Master S. Shields Built at S. Shields By whom built J. P. Remboldson & Sons When built 1908
 Engines made at S. Shields By whom made J. P. Remboldson & Sons when made 1908
 Boilers made at Newcastle By whom made Palmer's Co (Job No 1144) when made 1907
 Registered Horse Power Owners Wash Goble & Hall Steam Towing Co Ltd Port belonging to Goble

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel J. Spence & Sons.
 (Letter for record S) Total Heating Surface of Boilers 1163 sq ft Is forced draft fitted no No. and Description of Boilers One, single ended Working Pressure 125 lbs Tested by hydraulic pressure to 250 lbs Date of test 6/12/07
 No. of Certificate 7642 Can each boiler be worked separately ✓ Area of fire grate in each boiler 30.9 sq ft No. and Description of safety valves to each boiler 2 Spring loaded Area of each valve 4.9 sq in Pressure to which they are adjusted 130 lbs
 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 14" Mean dia. of boilers 11'-4 5/8" Length 10'-0"
 Material of shell plates Steel Thickness 1 1/16" Range of tensile strength 29-32 Are the shell plates welded or flanged no
 Descrip. of riveting: cir. seams S. Lap long. seams S.B.S. S. Rivd Diameter of rivet holes in long. seams 23/32" Pitch of rivets 4 3/4"
 Lap of plates or width of butt straps 11 1/4" Per centages of strength of longitudinal joint rivets 92.5 Working pressure of shell by rules 125 lbs Size of manhole in shell 16" x 12" Size of compensating ring 2'-6 1/2" x 2'-2 1/2" x 1/4" No. and Description of Furnaces in each boiler Two, plain Material Steel Outside diameter 40" Length of plain part 6'-3" Thickness of plates crown 19/32" bottom 6'-1"
 Description of longitudinal joint S.B.S. S. Rivd No. of strengthening rings ✓ Working pressure of furnace by the rules 125 lbs Combustion chamber plates: Material Steel Thickness: Sides 9/16" Back 9/16" Top 9/16" Bottom 19/32" Pitch of stays to ditto: Sides 9 3/4" x 8 3/4" Back 9 1/2" x 9" Top 9 3/4" x 8 3/4" If stays are fitted with nuts or riveted heads nuts Working pressure by rules 128 lbs Material of stays Steel Diameter at smallest part 1.45" Area supported by each stay 852 sq in Working pressure by rules 135 lbs End plates in steam space: Material Steel Thickness 7/8" Pitch of stays 17 3/4" x 16" How are stays secured S. N. & W. Working pressure by rules 127 lbs Material of stays Steel Diameter at smallest part 3.67" Area supported by each stay 268 sq in Working pressure by rules 142 lbs Material of Front plates at bottom Steel Thickness 27/32" Material of Lower back plate Steel Thickness 27/32" Greatest pitch of stays 14 1/2" Working pressure of plate by rules 70 lbs Diameter of tubes 3 1/2" Pitch of tubes 4 3/4" x 4 3/4" Material of tube plates Steel Thickness: Front 27/32" Back 13/16" Mean pitch of stays 12 5/16" Pitch across wide water spaces 14 1/2" Working pressures by rules 130 lbs Girders to Chamber tops: Material Steel Depth and thickness of girder at centre 7" x 1 1/2" Length as per rule 29 5/8" Distance apart 8 3/4" Number and pitch of Stays in each 2 - 9 3/4" Working pressure by rules 140 lbs 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 1907. Oct. 18. 29. Nov. 7. 8. 20. Dec. 3. 6.
 while building: During erection on board vessel Please see Machinery report.

Is the approved plan of boiler forwarded herewith yesTotal No. of visits ✓

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

This boiler has been constructed under special survey & the materials & workmanship are found to be good.

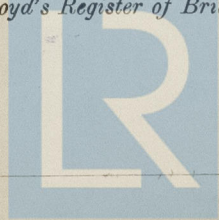
Survey Fee ... £ By Invoice to Mach. Report When applied for, 19
 Travelling Expenses (if any) £ When received, 19

Thomas Field & J. C. Selles.
 Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute

TUES. 4 FEB 1908

Assigned



Lloyd's Register Foundation

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