

Rpt. 5a.

## REPORT ON BOILERS.

No. 26282

Received at London Office

MON. NOV. 23. 1914

Date of writing Report

191

When handed in at Local Office 20. NOV. 1914

Port of SUNDERLAND.

No. in Survey held at Sunderland Date, First Survey 1st April Last Survey 19th Nov 1914  
 Reg. Book. New Steel. S/S "RECINA". Eggesford (Number of Visits 10) Gross 444 1/4  
 on the New Steel. S/S "RECINA". Eggesford Tons Net 278 7/8  
 Master J. Johnstone Built at Sunderland By whom built R. Thompson & Sons S/S No. 285 When built 1914  
 Engines made at Sunderland By whom made North Eastern Marine Eng'g Co. Ltd. (No. 2160) When made 1914  
 Donkey Boilers made at Sunderland By whom made MacColl & Pollock Ltd. (No. 637) When made 1914  
 Registered Horse Power Owners Tatem S. S. Co. Ltd. (W. J. Tatem) Port belonging to Cardiff

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

(Letter for record S) Total Heating Surface of Boilers 1120 Is forced draft fitted no No. and Description of Boilers one single ended marine Working Pressure 100 Tested by hydraulic pressure to 200 Date of test 18-6-14  
 No. of Certificate 3226 Can each boiler be worked separately ✓ Area of fire grate in each boiler 33 No. and Description of safety valves to each boiler Two spring loaded Area of each valve 5.91 x 6" Pressure to which they are adjusted 102 lbs.  
 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 12" Mean dia. of boilers 11-0" Length 11-0"  
 Material of shell plates steel Thickness 3 1/2" Range of tensile strength 28 1/2 - 32 Are the shell plates welded or flanged no  
 Descrip. of riveting: cir. seams S.R. long. seams Lap T.R. Diameter of rivet holes in long. seams 15/16" Pitch of rivets 4 5/32"  
 Lap of plates or width of butt straps 6 3/4" Per centages of strength of longitudinal joint rivets 86 Working pressure of shell by rules 104 Size of manhole in shell 16 x 12" Size of compensating ring 6 x 3/4" No. and Description of Furnaces in each boiler 2 plain Material steel Outside diameter 3-3" Length of plain part 82" Thickness of plates crown 1 1/2" bottom 3/2"  
 Description of longitudinal joint welded No. of strengthening rings none Working pressure of furnace by the rules 107 Combustion chamber plates: Material steel Thickness: Sides 9/16" Back 9/16" Top 9/16" Bottom 13/16" Pitch of stays to ditto: Sides 9 1/2 x 10" Back 9 1/4 x 9 1/2" Top 9 1/4 x 11" If stays are fitted with nuts or riveted heads nuts in us Working pressure by rules 106 Material of stays steel Diameter at smallest part 1.45" Area supported by each stay 102" Working pressure by rules 113 End plates in steam space: Material steel Thickness 3/4" Pitch of stays 15 1/4 x 16 1/4" How are stays secured W.N. Working pressure by rules 101 Material of stays steel Diameter at smallest part 2.51" Area supported by each stay 248" Working pressure by rules 105 Material of Front plates at bottom steel Thickness 1 1/8" Material of Lower back plate steel Thickness 5/8" Greatest pitch of stays 12 1/4 x 9 3/4" Working pressure of plate by rules 110 Diameter of tubes 3 1/4" Pitch of tubes 4 1/2 x 4 1/2" Material of tube plates steel Thickness: Front 1 1/8" Back 5/8" Mean pitch of stays 11 1/4" Pitch across wide water spaces 13 1/4" Working pressures by rules 103 Girders to Chamber tops: Material steel Depth and thickness of girder at centre 2 @ 6 3/4 x 13" Length as per rule 30" Distance apart 11" Number and pitch of Stays in each 2 @ 9 1/4" Working pressure by rules 107 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,

MAC COLL &amp; POLLOCK LTD.

Manufacturer.

Dates of Survey During progress of work in shops - 1914 Apr. 1. 22. May 15. 22. 26. 29. Jun. 4. Is the approved plan of boiler Manufactured here yes  
 while building During erection on board vessel - 11. 18. Nov. 19 Total No. of visits 10

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

The materials and workmanship are good.  
 The boiler has been made under special survey. It is secured in place on main deck, mounted & safety valves adjusted under steam.

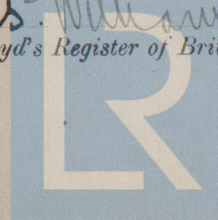
Survey Fee ... £ 2 : 2 : } When applied for, 17. 11. 1914  
 Travelling Expenses (if any) £ : : } When received, 17. 11. 1914

Lewis & Davis. William Butler  
 Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute

TUE. NOV. 24. 1914

Assigned



Lloyd's Register  
 Foundation

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