

REPORT ON BOILERS.

No. 55378

THUR. 17 SEP 1908

Received at London Office

Date of writing Report 10 When handed in at Local Office 16 SEP 1908 Port of Newcastle
 No. in Survey held at Newcastle Date, First Survey 9 July 1907 Last Survey 11 Sept 1908
 Reg. Book. 5/5 Roumanian (Number of Visits)
 on the Master Clavidge Built at Newcastle By whom built Armstrong Whitworth & Co When built 1908
 Engines made at Newcastle By whom made Wallsend Slipway & Co when made 1908
 Boilers made at do By whom made do when made 1908
 Registered Horse Power Owners Lane & Macandrew Port belonging to London

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

Letter for record 5 Total Heating Surface of Boilers 14564 Is forced draft fitted no No. and Description of Boilers one 5.2. Working Pressure 120 Tested by hydraulic pressure to 240 Date of test 5/12/07
 No. of Certificate 7629 Can each boiler be worked separately Area of fire grate in each boiler 42.65 No. and Description of safety valves to each boiler 2 Spring Area of each valve 9.6 Pressure to which they are adjusted 125 lb
 Are they fitted with easing gear 400 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 2 feet Mean dia. of boilers 12 ft Length 11 ft
 Material of shell plates S Thickness 27/32 Range of tensile strength 29.33 Are the shell plates welded or flanged ends
 Descrip. of riveting: cir. seams 2.7 lap long. seams lap 4 rivets Diameter of rivet holes in long. seams 18 Pitch of rivets 5
 Lap of plates or width of butt straps 8 Per centages of strength of longitudinal joint rivets 80 Working pressure of shell by rules 131 Size of manhole in shell 16" x 12" Size of compensating ring flanged & donkey plate 44.5
 boiler 2 plain Material S Outside diameter 3' 8" Length of plain part top 4 ft bottom 6.9 Thickness of plates crown 3 1/2 bottom 10
 Description of longitudinal joint weld No. of strengthening rings 27 Working pressure of furnace by the rules 128 Combustion chamber plates: Material S Thickness: Sides 17/32 Back 17/32 Top 17/32 Bottom 11/16 Pitch of stays to ditto: Sides 8 x 8 Back 18 x 18
 Top 8 x 8 If stays are fitted with nuts or riveted heads nuts Working pressure by rules 135 Material of stays S Diameter at smallest part 1.35 Area supported by each stay 64 Working pressure by rules 181 End plates in steam space: Material S Thickness 1 5/16
 Pitch of stays 17/4 x 16 1/2 How are stays secured 2 nuts Working pressure by rules 138 Material of stays S Diameter at smallest part 2.28
 Area supported by each stay 112 3/8 Working pressure by rules 150 Material of Front plates at bottom S Thickness 1" Material of Lower back plate S Thickness 2 1/2 Greatest pitch of stays 132 Working pressure of plate by rules 159 Diameter of tubes 3
 Pitch of tubes 4 1/4 x 4 1/8 Material of tube plates S Thickness: Front 1 Back 3/4 Mean pitch of stays 8 1/2 x 8 1/4 Pitch across wide water spaces 132 Working pressures by rules 286 lb Girders to Chamber tops: Material S Depth and thickness of girder at centre 6 1/2 x 8 1/2 Length as per rule 28 Distance apart 8 Number and pitch of Stays in each 2 of 8
 Working pressure by rules 128 Superheater or Steam chest; how connected to boiler 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, FOR THE WALLSEND SLIPWAY & ENGINEERING CO. LIMITED, Manufacturer.

Dates of Survey During progress of work in shops 1907 July 9, 11, 12, 13, 15, 24 Oct 3, 4, 9, 14 Dec 5, 7 Feb 2 Is the approved plan of boiler forwarded herewith
 while building During erection on board vessel Please see Machinery report. Total No. of visits

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

This boiler has been built under special survey. Materials and workmanship good. Examined under steam & found satisfactory.

Survey Fee ... £ 2 : 0 : } When applied for, 16 SEP 1908
 Travelling Expenses (if any) £ : : } When received, 19.9.08

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

Committee's Minute

Assigned

FRI. 18 SEP 1908



© 2020

Lloyd's Register
 Foundation