

REPORT ON BOILERS.

No. 23303.

Received at London Office

JAN. 16 JAN 1911

Date of writing Report 13th Jan 1911 When handed in at Local Office 13th Jan 1911 Port of Hull
 No. in Survey held at Hull Date, First Survey Feb. 23rd Last Survey 5th Jan 1911
 No. in Reg. Book. 328 on the Steel Se. Sr. Bury (Number of Visits) Tons { Gross }
 Master Built at Hull By whom built Messrs Earles & Co Ltd When built 1910
 Engines made at } Hull By whom made } Messrs Earles & Co Ltd. when made 1910
 Boilers made at } Hull By whom made } Messrs Earles & Co Ltd. when made 1910
 Registered Horse Power 309 Owners Port belonging to Grimby

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel Messrs J. Spencer Sons
 Letter for record a. Total Heating Surface of Boilers 530 Is forced draft fitted No No. and Description of
 Boilers One Cyl. Multi S. Ended. Working Pressure 100 lbs Tested by hydraulic pressure to 200 lbs Date of test 4.10.10
 No. of Certificate 1474 Can each boiler be worked separately Area of fire grate in each boiler 26 No. and Description of
 Safety valves to each boiler Two Spring Area of each valve 4.9 Pressure to which they are adjusted 100 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 15" Lat 8'-9" dia. of boilers 8'-9" Length 8'-0"
 Material of shell plates S. Thickness 5/8" Range of tensile strength 28-32 Are the shell plates welded or flanged No
 Descrip. of riveting: cir. seams L.D. long. seams D.B.S.D.R. Diameter of rivet holes in long. seams 7/8" Pitch of rivets 3 7/8"
23.2 of plates or width of butt straps 8 1/4" Per centages of strength of longitudinal joint rivets 76.2 Working pressure of shell by
17.19 lbs 127 lbs Size of manhole in shell 19" x 15" Size of compensating ring flange 4 1/2" x 2 1/2" No. and Description of Furnaces in each
16.19 No. of boiler Two plain Material S Outside diameter 2'-8" Length of plain part 5'-8 3/4" Thickness of plates crown 1/2"
No Description of longitudinal joint Welded No. of strengthening rings 0 Working pressure of furnace by the rules 123 lbs Combustion chamber
5.9 plates: Material S Thickness: Sides 5/8" Back 5/8" Top 5/8" Bottom 5/8" Pitch of stays to ditto: Sides 8 3/4" Back 9" x 8 1/2"
9.12 top 9 1/2" If stays are fitted with nuts or riveted heads Nuts Working pressure by rules 176 lbs Material of stays S Diameter at
12.10 smallest part 1 3/8" Area supported by each stay 76.5 Working pressure by rules 176 lbs End plates in steam space: Material S Thickness 13/16"
 Pitch of stays 14" x 13" How are stays secured D.R. Working pressure by rules 162 lbs Material of stays S Diameter at smallest part 2 1/2"
 Area supported by each stay 182 Working pressure by rules 138 lbs Material of Front plates at bottom S Thickness 13/16" Material of
4.2 lower back plate S Thickness 13/16" Greatest pitch of stays 9" x 8 1/2" Working pressure of plate by rules 197 lbs Diameter of tubes 3"
3.43 Pitch of tubes 4 1/2" x 4 1/2" Material of tube plates S Thickness: Front 13/16" Back 25/32" Mean pitch of stays 10 5/8" Pitch across wide
 Water spaces 13" Working pressures by rules 140 lbs Girders to Chamber tops: Material S Depth and thickness of
 Order at centre 6" x 1 1/4" Length as per rule 1'-7 3/32" Distance apart 9 1/2" Number and pitch of Stays in each one
 Working pressure by rules 141 lbs 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
 Pitch of rivets Working pressure of shell by rules Diameter of flue Material of flue plates Thickness
 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

SHIPBUILDING & ENGINEERING CO. LIMITED.

The foregoing is a correct description,

F. J. Salethorpe

Manufacturer.

SECRETARY

Dates { During progress of } See Machinery Report—
 Survey { work in shops - - }
 while { During erection on }
 building { board vessel - - - }

Is the approved plan of boiler forwarded herewith No

Total No. of visits

GENERAL REMARKS

(State quality of workmanship, opinions as to class, &c. This boiler has been
built under special survey in accordance with the Rules
the materials and workmanship are good, the hydraulic test
was satisfactory. boiler secured on board tested under
steam, and now eligible in my opinion to be classed as per
machinery report

Survey Fee ... £ : : When applied for, ... 19
 Travelling Expenses (if any) £ : : When received, ... 19

Shipping.

Committee's Minute

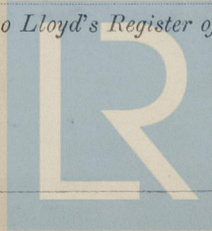
TUE. 17 JAN 1911

Assigned

See minute

on 17th Jan 1911

James Barclay
 Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.



Lloyd's Register
 Foundation