

REPORT ON BOILERS.

No. 10,602

THU. 18. APR. 1918

Received at London Office

191 When handed in at Local Office 191 Port of *Glasgow*
 Date, First Survey *May 1st 1917* Last Survey *April 5th 1918*
 Survey held at *Lincoln* (Number of Visits) *38* Gross Tons }
 on the *Drath Type boiler N° A15 (Builder's N° 42,839)* Net Tons }
 By whom built *A. G. Mumford Ltd* When built *1918*
 By whom made *Ruston Proctor & Co* When made *1918*
 By whom made *Ruston Proctor & Co* Port belonging to
 Owners *Stewarts & Lloyds*

ITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY. Manufacturers of Steel
 Is forced draft fitted
 Total Heating Surface of Boilers *1347 sq ft* Date of test *5-4-18*
 or record *7* Working Pressure *180* Tested by hydraulic pressure to *360* No. and Description of
 Certificate *200* Can each boiler be worked separately
 valves to each boiler *2 direct opening* Area of each valve *5.93* Pressure to which they are adjusted
 fitted with easing gear
 In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler
 Distance between boilers or uptakes and bunkers or woodwork
 Thickness *1 1/32* Range of tensile strength *28/32* Are the shell plates welded or flanged
 of shell plates *5* Diameter of rivet holes in long. seams *1 1/16* Pitch of rivets *7 7/16*
 of riveting: cir. seams *double* long. seams *treble butt* Working pressure of shell by
 plates or width of butt straps *16"* Per centages of strength of longitudinal joint
 Size of manhole in shell *12 1/4 x 16 1/4* Size of compensating ring *16 1/4 x 12 1/4* No. and Description of Furnaces in each
 3 plain Material *5* Outside diameter *36 1/2* Length of plain part *16 1/4* Top *76* Thickness of plates *3/4*
 crown *3/4* bottom *3/4*
 Description of longitudinal joint *welded* No. of strengthening rings *none* Working pressure of furnace by the rules *190* Combustion chamber
 Material *5* Thickness: Sides *7/8* Back *7/8* Top *7/8* Bottom *7/8* Pitch of stays to ditto: Sides *9 x 8* Back *9 x 8*
 3/4 x 8 1/2 If stays are fitted with nuts or riveted heads *nuts* Working pressure by rules *187* Material of stays *I* Diameter at
 end part *1-92* Area supported by each stay *72 sq in* Working pressure by rules *200* End plates in steam space: Material *5* Thickness *1 1/8*
 of stays *18 x 18* How are stays secured *crushes* Working pressure by rules *185* Material of stays *5* Diameter at smallest part *6.22*
 supported by each stay *324 sq in* Working pressure by rules *200* Material of Front plates at bottom *5* Thickness *1* Material of
 er back plate *5* Thickness *1 1/16* Greatest pitch of stays *12 1/2* Working pressure of plate by rules *241* Diameter of tubes *3 1/2*
 h of tubes *4 3/4* Material of tube plates *5* Thickness: Front *1* Back *27/32* Mean pitch of stays *11 7/8* Pitch across wide
 or spaces *14 1/2* Working pressures by rules *207* Girders to Chamber tops: Material *5* Depth and thickness of
 er at centre *2-7 x 7/8* Length as per rule *28 1/2* Distance apart *8 3/4* Number and pitch of Stays in each *2-8 1/2*
 rking pressure by rules *183* Superheater or Steam chest: how connected to boiler
 arately Diameter Length Thickness of shell plates Material Description of longitudinal joint Diam. of rivet
 es 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 Are they fitted with easing gear
 orking pressure of end plates Area of safety valves to superheater

VERTICAL DONKEY BOILER—No. Description Manufacturers of steel Working pressure
 Made at By whom made When made Where fixed
 Tested by hydraulic pressure to Date of test No. of Certificate Fire grate area Description of safety valves
 No. of safety valves Area of each Pressure to which they are adjusted If fitted with easing gear If steam from main boilers can
 enter the donkey boiler Dia. of donkey boiler Length Material of shell plates Thickness Range of tensile
 strength Descrip. of riveting long. seams Rivets Dia. of rivet holes Whether punched or drilled Pitch of rivets
 Lap of plating Per centage of strength of joint Plates Working pressure of shell by rules Thickness of shell crown plates
 Radius of do. No. of Stays to do. Dia. of stays Diameter of furnace Top Bottom Length of furnace
 Thickness of furnace plates Description of joint Working pressure of furnace by rules Thickness of furnace crown
 plates Radius of do. Stayed by Diameter of uptake Thickness of uptake plates
 Thickness of water tubes

The foregoing is a correct description,
Ruston, Proctor & Co Ltd Manufacturer.
per C. D. Parker

Dates of Survey { During progress of work in shops - *1917. May 1-8. 11. 15. 18. June 1-8. 15. 22. 28. July 6. 13. 20. 27 Aug 3. 17. 27. Sep 3. 7. 18. 28. Oct 5. 12.*
 while board vessel - *Oct 9. 26. Nov 2. 9. 13. Dec 3. 10. 18. Jan 6. 11. 23. Feb 1. 12. 22. Mar 18. April 5. 1918.*
 building { Total No. of visits

Is the approved plan of main boiler forwarded herewith

" " " donkey " " "

W437-0100

Lloyd's Register Foundation

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

This boiler has been built under special survey and the workman-
ship is good. Uptake examined during construction.

The boiler has been tested by water pressure to 360 lbs. and found
satisfactory & has been despatched to Birmingham where it will
be used as a replace boiler for one of H.M. Franchise.

Certificate (if required) to be sent to

The amount of Entry Fee .. £ : :
Special .. £ 6 2 : :
Donkey Boiler Fee .. £ : :
Travelling Expenses (if any) £ 4 12 : :
When applied for, 12th Dec 1918
When received, 15th Nov 1918

Eng. C. Marshall & J. Ritchie.
Engineers Surveyor to Lloyd's Register of British & Foreign Shipping.

Committee's Minute

Assigned

See how fee up to 813.00



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