

# REPORT ON BOILERS.

No. 8490.

*Sea Reservoir*

77. 6. 5.

Date of writing Report 3<sup>rd</sup> Feb<sup>ry</sup> 1921 When handed in at Local Office Belfast Port of Belfast Received at London Office MON. 21 FEB. 1921  
 No. in Survey held at Belfast Date, First Survey 29<sup>th</sup> July 1920 Last Survey 1<sup>st</sup> February 1921  
 on the Sea Reservoir for Harland & Wolff L<sup>td</sup> 5820 (Number of visits 12) Gross 76919  
M.S. EDIBA Tons Net 4220  
 Built at Glasgow By whom built Harland & Wolff L<sup>td</sup> When built 1923  
 By whom made Do When made 1923  
 By whom made Harland & Wolff L<sup>td</sup> When made  
 Owners Elder Dempster & Co L<sup>td</sup> Port belonging to London

TUBULAR BOILERS MAIN, AUXILIARY OR DONKEY. — Manufacturers of Steel D. Colville & Son L<sup>td</sup>  
 Total Heating Surface of Boilers 2 Cylindrical Is forced draft fitted No. and Description of 1-2-21  
 Working Pressure 356 lbs Tested by hydraulic pressure to 712 lbs date of test 1-2-21

Can each boiler be worked separately Area of fire grate in each boiler No. and Description of  
 Area of each valve Pressure to which they are adjusted  
 In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler

Mean dia. of boiler 6'-0" Length 18'-10 1/2"  
 Material of shell plates Steel Thickness 1 3/32" Range of tensile strength 28-32 tons Are the shell plates welded or flanged No  
 Grip of riveting: cir. seams Lap long seams Butt Diameter of rivet holes in long. seams 1 1/16" Pitch of rivets 8 5/16"  
 Width of butt straps 17 1/2" Per centages of strength of longitudinal joint rivets 92.0 Working pressure of shell by plate 85.5

Size of manhole in shell 16" x 12" Size of compensating ring End flange No. and Description of Furnaces in each  
 Material Outside diameter Length of plain part Thickness of plates crown bottom  
 No. of strengthening rings Working pressure of furnace by the rules Combustion chamber  
 Material Thickness: Sides Back Top Bottom Pitch of stays to ditto: Sides Back  
 If stays are fitted with nuts or riveted heads Working pressure by rules Material of stays Area at

Area supported by each stay Working pressure by rules End plates in steam space: Material Steel Thickness 1 3/32 / 1 3/32  
 How are stays secured 4" x 0" Ribs Working pressure by rules As per plan Area at smallest part  
 Material of Front plates at bottom Thickness Material of

Working pressure of plate by rules Diameter of tubes  
 Material of tube plates Thickness: Front Back Mean pitch of stays Pitch across wide  
 Working pressures by rules Girders to Chamber tops: Material Depth and thickness of  
 Length as per rule Distance apart Number and pitch of Stays in each  
 Steam dome: description of joint to shell % of strength of joint  
 Thickness of shell plates Material Description of longitudinal joint Diam. of rivet holes  
 Working pressure of shell by rules Crown plates Thickness How stayed

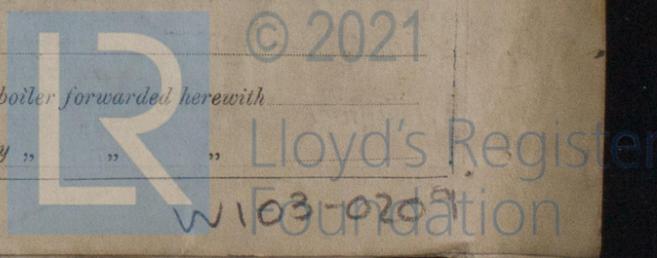
SUPERHEATER. Type Date of Approval of Plan Tested by Hydraulic Pressure to  
 Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler  
 Pressure to which each is adjusted Is Easing Gear fitted

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

The foregoing is a correct description,  
 For HARLAND & WOLFF Ltd. F. E. Tebbel Manufacturer.

During progress of work in shops — 1920 July 29, Aug 16, 24, Oct 19, 25, Nov 18, 24.  
 During erection on board vessel — Dec 4, 7, 8, Jan 15, Feb 1.  
 Total No. of visits

Is the approved plan of main boiler forwarded herewith  
 " " " donkey " " " Lloyd's Register  
 W 103-0209 Foundation



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

These air reservoirs for Diesel Engines have been built under Special Survey. The materials and the workmanship are of good description.

They have been forwarded to the firm Glasgow who have fitted on board the "M/S EDIBA" in an efficient manner and the safety valves in connection with same adjusted to 360 LBS/□ Washers 1 1/16".

H.M.B.

Certificate (if required) to be sent to  
(The Surveyors are requested not to write on or below the space for Committee's Minute.)

The amount of Entry Fee .. £	:	:	When applied for.
Special .. .. . £ 8.8.0	:	:	20/5/21.
Donkey Boiler Fee .. .. £	:	:	When received.
Travelling Expenses (if any) £	:	:	25/6/21.

R. F. Beveridge  
Engineer Surveyor to Lloyd's Register of Shipping

Committee's Minute **GLASGOW** 24 APR 1923

Assigned See G.S. Rpt. No. 42668



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Lloyd's Register  
Foundation

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