

REPORT ON BOILERS.

No. 8346a
TUE. JUN. 15 1920

Received at London Office

June 1920 When handed in at Local Office 191 Port of Belfast
 Date, First Survey Feb 2, 1920 Last Survey May 27, 1920.
 (Number of Visits 20) Gross 474
 Tons Net 461
 Built at Belfast By whom built Harland & Wolff L^d When built 1920
 By whom made When made 1920
 Owners T. Mein Kay Port belonging to London

LAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel

Total Heating Surface of Boilers 906 sq ft Is forced draft fitted No No. and Description of
 Working Pressure 180 lbs Tested by hydraulic pressure to 350 lbs Date of test 5-8-20
 Can each boiler be worked separately Area of fire grate in each boiler 185 lbs
 Area of each valve 3' 9 1/2" Pressure to which they are adjusted 185 lbs
 In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler
 Thickness 29/32 Range of tensile strength 28-32 Tons the shell plates welded or flanged No
 Diameter of rivet holes in long. seams 1" Pitch of rivets 7/8"
 Per centages of strength of longitudinal joint rivets 90.3 Working pressure of shell by
 Size of manhole in shell 16" x 12" Size of compensating ring No. and Description of Furnaces in each
 Outside diameter 38 3/8 Length of plain part top 2 Thickness of plates crown 15 1/2
 bottom 8 Thickness of plates bottom 15 1/2
 Working pressure of furnace by the rules 187 lbs Combustion chamber
 Thickness: Sides 5/8 Back 5/8 Top 5/8 Bottom 5/8 Pitch of stays to ditto: Sides 9" x 8 1/4" Back 9" x 8"
 Working pressure by rules 187 lbs Material of stays Steel Diameter at
 Working pressure by rules 220 lbs plates in steam space: Material Steel Thickness 1"
 Working pressure by rules 185 lbs Material of stays Steel Diameter at smallest part 5.932
 Working pressure by rules 240 lbs Material of Front plates at bottom Steel Thickness 7/8 Material of
 Working pressure of plate by rules 236 lbs Diameter of tubes 3"
 Thickness: Front 7/8 Back 13/16 Mean pitch of stays 8 1/2" x 8 1/2" Pitch across wide
 Working pressures by rules 249 lbs with 5" flange Girders to Chamber tops: Material Steel Depth and thickness of
 Length as per rule 27" Distance apart 8" Number and pitch of Stays in each 2-9"
 Superheater or Steam chest; how connected to boiler Can the superheater be shut off and the boiler worked
 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
 Distance between rings Working pressure by rules End plates: Thickness How stayed
 Area of safety valves to superheater Are they fitted with easing gear

The foregoing is a correct description,
 For HARLAND & WOLFF LTD.
 J. E. COBECK Manufacturer.

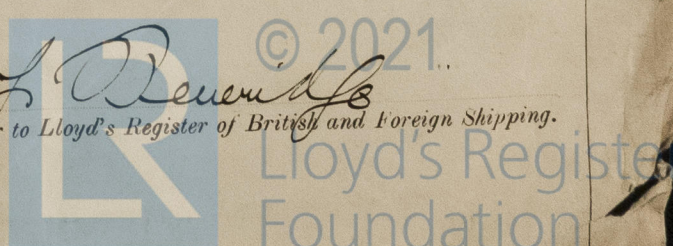
During progress of 1920 Feb 2, 6, Mar 2, 5, 10, 19, 22, 24, Apr 8, Is the approved plan of boiler forwarded herewith Yes
 work in shops - - -
 During erection on 12, 22, 23, 27, 28, May 4, 7, 10, 12, 18, 27, Total No. of visits Twenty
 board vessel - - -

AL REMARKS (State quality of workmanship, opinions as to class, &c.)
 Boiler has been built under Special Survey, and in accordance
 the Rules. It has been securely fitted on board, and along with
 fuel burning installation, tried under steam with good results.

Fee as per... £ 5 : - : When applied for, 5-6-1920
 A. 27-5-20 When received, 29/7/1920
 Billing Expenses (if any) £ : : : 30/7/1920

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

Committee's Minute FRI. JUN. 18 1920
 + J. P. 5.20



1410-1410-1410-1410

It is submitted that
this vessel is eligible for
THE RECORD. + D.B. 5.20

1807bs

18/6

17/6/20



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Foundation