

## REPORT ON BOILERS.

No. 39591.  
WED. FEB. 4 1920

Received at London Office

Date of writing Report 31<sup>st</sup> Jan 20 When handed in at Local Office 31-1-1920 Port of Glasgow  
 No. in Survey held at Glasgow Date, First Survey 16<sup>th</sup> June 1915 Last Survey 29/2/1920  
 Reg. Book. Marine Boiler designated No 1572 for the S.S. "Hurlford" now "Lady Thomas" (Number of Visits 19) Gross Tons 1920 Net Tons 1920  
 Master Andrews Built at Andrews By whom built Andrews Dry Dock & Eng. Co. When built 1920  
 Engines made at North Shields By whom made Shields Eng & Dry Dock Co When made 1920  
 Boilers made at Glasgow By whom made The North Shipbuilding Co When made 1920  
 Registered Horse Power 15868 Owners Port belonging to Liverpool

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel Steel Coy of Scotland & Lancashire

(Letter for record S) Total Heating Surface of Boilers 1209 sq. ft. Is forced draft fitted no No. and Description of Boilers One Single Ended. Working Pressure 140 Tested by hydraulic pressure to 280 Date of test 29/1/20

No. of Certificate 15868 Can each boiler be worked separately no Area of fire grate in each boiler 38 sq. ft. No. and Description of safety valves to each boiler one Area of each valve 10'-0" Pressure to which they are adjusted 11'-6"

Are they fitted with easing gear no 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 11'-6" Mean dia. of boilers 10'-0"

Material of shell plates S Thickness 13/16 Range of tensile strength 28/32 Are the shell plates welded or flanged no

Descrip. of riveting: cir. seams Lap A-R long. seams Butts A-R Diameter of rivet holes in long. seams 1" Pitch of rivets 5 1/2"

Lap of plates or width of butt straps 10 1/2" Per centages of strength of longitudinal joint 81 Working pressure of shell by rules 142 Size of manhole in shell 16" x 12" Size of compensating ring Flanged 5 1/2 x 1" No. and Description of Furnaces in each boiler no

Description of longitudinal joint field No. of strengthening rings one Working pressure of furnace by the rules 149 Combustion chamber plates: Material S Thickness: Sides 5/8" Back 9/16" Top 5/8" Bottom 5/8" Pitch of stays to ditto: Sides 8 1/2 x 9 1/4" Back 8 1/2 x 9 1/4"

Top 8 1/2 x 8 1/2" If stays are fitted with nuts or riveted heads yes Working pressure by rules 142 Material of stays Steel Area supported by each stay 145 sq. in. Working pressure by rules 156 End plates in steam space: Material S Thickness 3/32"

Pitch of stays 16 1/2 x 15 How are stays secured double nut Working pressure by rules 153 Material of stays Steel Area supported by each stay 248 sq. in. Working pressure by rules 144 Material of Front plates at bottom S Thickness 3/4" Material of Lower back plate S Thickness 1/16" Greatest pitch of stays 14 1/4 x 9 1/4" Working pressure of plate by rules 174 Diameter of tubes 3 1/4"

Pitch of tubes 4 3/8" Material of tube plates S Thickness: Front 3/4" Back 2 3/32" Mean pitch of stays 10 7/8" Pitch across wide water spaces 14 1/2" Working pressures by rules 182 Girders to Chamber tops: Material S Depth and thickness of girder at centre 7 x 3/4 x 2 Length as per rule 27 3/4" Distance apart 8 1/2" Number and pitch of Stays in each 2 at 8 1/2"

Working pressure by rules 164 Superheater or Steam chest: how connected to boiler no Can the superheater be shut off and the boiler worked separately no

Diameter no Length no Thickness of shell plates no Material no Description of longitudinal joint no Diam. of rivet no

Pitch of rivets no Working pressure of shell by rules no Diameter of flue no Material of flue plates no Thickness no

Stays stiffened with rings no Distance between rings no Working pressure by rules no End plates: Thickness no How stayed no

Working pressure of end plates no Area of safety valves to superheater no Are they fitted with easing gear no

Survey request form no The foregoing is a correct description, yes

No. 1432 attached yes Manufacturer. James D. D. D.

Dates of Survey During progress of 1915 June 16 Aug 29 16-31 Sept 13-30 Nov 1-23-29 1916 Feb 1 Is the approved plan of boiler forwarded herewith yes

while building During erection on 1919 Dec 2-11-14 23-29 1920 Jan 13-24-29 Total No. of visits 19

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

The boiler has been built under special survey.

The workmanship & materials are good.

This boiler has been securely fitted aboard.

Survey Fee £ 4 : 1 : When applied for 3/2/1920

Travelling Expenses (if any) £ : When received 5/2/1920

Committee's Minute GLASGOW 3-FEB 1920

Assigned TRANSMIT TO LONDON

See Newcastle no

No. 72943

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

See Newcastle

no

no

no

no

no

no

no



good  
 1111  
 9L  
 3  
 6  
 11  
 5  
 1 anchor head  
 1 good

2000  
 2000

Per  
 21 4  
 17  
 1 1/2  
 Parable  
 of R. L.

Dec  
 24 x 4  
 16 L  
 1 L  
 1 L

Anchor  
 Oakville  
 Cosite  
 8 years

