

Rpt. 5a.

REPORT ON BOILERS.

No. 36611

Received at London Office

WED. 17 JAN. 1917

Date of writing Report 1916 When handed in at Local Office 1916 Port of Glasgow

No. in Survey held at Glasgow Date, First Survey 1st August, 1916 Last Survey 27th Dec 1916

Reg. Book. on the Boilers No 694 for Home Service Log No 21 (Number of Visits 19)

Master Built at Dartmouth By whom built Philip & Son When built

Engines made at By whom made When made

Boilers made at Glasgow By whom made A. & W. Dalrymple When made 1916

Registered Horse Power Owners Port belonging to

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

(Letter for record S) Total Heating Surface of Boilers 1215 sq ft Is forced draft fitted No. and Description of

Boilers One Single ended Working Pressure 150 lb Tested by hydraulic pressure to 300 Date of test 27.12.16

No. of Certificate 13650 Can each boiler be worked separately Area of fire grate in each boiler 43 sq ft No. and Description of

safety valves to each boiler Area of each valve Pressure to which they are adjusted

Are they fitted with easing gear In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler

Smallest distance between boilers or uptakes and bunkers or woodwork Inside Mean dia. of boilers 11-6" Length 10-6"

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

Descrip. of riveting: cir. seams DR Long. seams TR DBS Diameter of rivet holes in long. seams 1" Pitch of rivets 7"

Lap of plates or width of butt straps 14 1/2" Per centages of strength of longitudinal joint rivets 102 plate 86 Working pressure of shell by

rules 150 lb Size of manhole in shell 16 x 12 Size of compensating ring 25 x 21 x 1" No. and Description of Furnaces in each

boiler 2 Plain Material Steel Outside diameter 44 1/2" Length of plain part top 83 1/2" Thickness of plates crown 3/4" bottom 3/4"

Description of longitudinal joint Welded No. of strengthening rings 1 Working pressure of furnace by the rules 164 lb Combustion chamber

plates: Material Steel Thickness: Sides 9/16 Back 7/16 Top 9/16 Bottom 9/16 Pitch of stays to ditto: Sides 8 1/2 x 8 Back 8 x 8

Top 8 1/2 x 8 If stays are fitted with nuts or riveted heads Nuts Working pressure by rules 160 lb Material of stays Steel Diameter at

smallest part 1 5/8" Area supported by each stay 66 sq in Working pressure by rules 199 End plates in steam space: Material Steel Thickness 7/8"

Pitch of stays 16 x 14 1/2 How are stays secured DR & W Working pressure by rules 156 lb Material of stays Steel Diameter at smallest part 3 3/4"

Area supported by each stay 232 sq in Working pressure by rules 154 lb Material of Front plates at bottom Steel Thickness 3/4" Material of

Lower back plate Steel Thickness 3/4" Greatest pitch of stays 13 1/2" Working pressure of plate by rules 233 lb Diameter of tubes 3 1/2"

Pitch of tubes 4 1/2 x 4 1/2 Material of tube plates Steel Thickness: Front 3/4" Back 1/2" Mean pitch of stays 9.84" Pitch across wide

water spaces 15 1/2 Working pressures by rules 228 lb Girders to Chamber tops: Material Steel Depth and thickness of

girder at centre 7 1/2 x 1 1/2 Length as per rule 27" Distance apart 8" Number and pitch of Stays in each Two 8 1/2"

Working pressure by rules 164 lb 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

holes Pitch of rivets Working pressure of shell by rules Diameter of flue Material of flue plates Thickness

If 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

Survey request form The foregoing is a correct description,

No 1924 attached A. & W. Dalrymple Manufacturer's

Dates of Survey During progress of 1916 Aug 13 9 29 Sept 6 13 20 25 Oct 3 10 31 Nov 2 8 16 24 Dec 7 Is the approved plan of boiler forwarded herewith Yes

while building During erection on 19.24 Total No. of visits 19

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

The workmanship & materials are good, the boiler has been built under special survey

Boiler will be forwarded to Dartmouth

Duplicate of Boiler No 695.

Survey Fee ... £ 4 : 1 : When applied for 191

Travelling Expenses (if any) £ : : When received, 191

MONTHLY ACCOUNT

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

Committee's Minute GLASGOW 16 JAN. 1917 TUES. 15 MAR 1917

Assigned TRANSMIT TO LONDON TUES. 15 MAR 1917

Lloyd's Register Foundation

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