

REPORT ON BOILERS.

No. 29316.

Received at London Office

When handed in at Local Office 19/9/10 Port of Glasgow
 Date, First Survey 11th April/10 Last Survey 1910
 (Number of Visits) Gross 1521.06
 Tons Net 141.25
 Survey held at Glasgow
 Reg. Book. J. J. Thomas Holt
 Sup. on the A. Gladuey Built at Port Glasgow By whom built W Hamilton
 Engines made at Glasgow By whom made David Rowan 1st (2539) when made 1910
 Boilers made at do By whom made do when made 1910
 Registered Horse Power Owners John Holt 1st 2nd Port belonging to Liverpool
 William Beardmore & Co Ltd

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

Letter for record (3) Total Heating Surface of Boilers 500 Is forced draft fitted 20 No. and Description of

Boilers One Single Ended Working Pressure 100 lb Tested by hydraulic pressure to 200 lb Date of test 7/7/10

No. of Certificate 10493 Can each boiler be worked separately Area of fire grate in each boiler 20.5 sq ft No. and Description of

Safety valves to each boiler Cockburn Double Area of each valve 3.97 sq ft Pressure to which they are adjusted 105 lb

Are they fitted with easing gear Yes In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler No

Smallest distance between boiler uptakes and bunkers or woodwork 12 in Mean dia. of boilers 9 in Length 8 in

Material of shell plates steel Thickness 9/16 Range of tensile strength 28.45/32 Are the shell plates welded or flanged no

Description of riveting: cir. seams D.R.L. long. seams T.R.L. Diameter of rivet holes in long. seams 5/16 Pitch of rivets 3.5625

Gap of plates or width of butt straps 6 3/8 Per centages of strength of longitudinal joint rivets 87.6 Working pressure of shell by

plates 100 lb Size of manhole in shell 16 x 12 Size of compensating ring Flanged No. and Description of Furnaces in each

Boiler 2 plain Material steel Outside diameter 27 7/8 Length of plain part top 54 Thickness of plates crown 7/16

Description of longitudinal joint weld No. of strengthening rings none Working pressure of furnace by the rules 120 Combustion chamber

Material steel Thickness: Sides 7/32 Back 7/32 Top 7/32 Bottom 7/32 Pitch of stays to ditto: Sides 8 1/2 x 9 1/2 Back 9 1/4 x 9 1/4

Top 8 1/2 x 9 1/2 If stays are fitted with nuts or riveted heads nuts Working pressure by rules 101 Material of stays steel Diameter at

Smallest part 1.32 Area supported by each stay 85 Working pressure by rules 115 End plates in steam space: Material steel Thickness 25/32

Pitch of stays 15 x 16 1/2 How are stays secured D. nuts Working pressure by rules 100 Material of stays steel Diameter at smallest part 3.14

Area supported by each stay 250 Working pressure by rules 130 Material of Front plates at bottom steel Thickness 25/32 Material of

Lower back plate steel Thickness 25/32 Greatest pitch of stays 12 1/2 75 Working pressure of plate by rules 135 Diameter of tubes 3

Pitch of tubes 4 1/4 x 4 1/8 Material of tube plates steel Thickness: Front 25/32 Back 7/8 Mean pitch of stays 11 1/2 Pitch across wide

Water spaces 13 1/2 Working pressures by rules 120 lb Girders to Chamber tops: Material steel Depth and thickness of

Order at centre 6 1/4 x 7/8 x 2 Length as per rule 22.8 Distance apart 9 1/2 Number and pitch of Stays in each 1 - 8 1/2

Working pressure by rules 100 Superheater or Steam chest: how connected to boiler none 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

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

Is 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

The foregoing is a correct description.

for David Rowan & Co Manufacturer.

Is the approved plan of boiler forwarded herewith Same as Jonathan Holt

Total No. of visits

Dates During progress of work in shops - - Survey while During erection on board vessel - - building

See Machinery report.

GENERAL REMARKS

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

This boiler has been constructed under Special Survey & is of good materials & workmanship. It has been fitted on board as stated Rpt. 4.

Survey Fee ... £ When applied for. 19 Travelling Expenses (if any) £ When received. 19

H. Gardner-Smith Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute GLASGOW 20 SEP. 1910

Assigned See Machinery report.