

REPORT ON BOILERS.

No. 6974

Received at London Office TUE. AUG. 15. 1911
 Date of writing Report 3rd Sept. 1911 When handed in at Local Office 4th Aug. 1911 Port of Belfast
 No. in Survey held at Belfast Date, First Survey 1st Aug. 1910 Last Survey 3rd Sept. 1911
 Reg. Book. S.P.P. - "Eora" (Number of Visits) Gross 5108
 on the Tons Net 2345
 Master Built at Belfast By whom built Workman Clark & Co. Ltd. When built 1911
 Engines made at Belfast By whom made when made
 Boilers made at By whom made when made
 Registered Horse Power Own British India Steam Navigation Co. Ltd. Belonging to Glasgow

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

(Letter for record 5) Total Heating Surface of Boilers 13275 sq ft Is forced draft fitted No. and Description of Boilers 1 Single End Cylindrical Working Pressure 100 lb tested by hydraulic pressure to 200 lb Date of test 28-2-11
 No. of Certificate 442 Can each boiler be worked separately Area of fire grate in each boiler 36 sq ft No. and Description of safety valves to each boiler 2 - 100 lb Spring Area of each valve 8.29 sq in Pressure to which they are adjusted 100 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 boilers or uptakes and bunkers or woodwork 30 in Mean dia. of boilers 12-0 in Length 10-0 in
 Material of shell plates Steel Thickness 4 1/4 in Range of tensile strength 28-82 tons the shell plates welded or flanged No
 Descrip. of riveting: cir. seams Lap, Single Rivets Rivet diameter 3/4 in Diameter of rivet holes in long. seams 3/4 in Pitch of rivets 4 1/2 in
 Lap of plates or width of butt straps 9 in Per centages of strength of longitudinal joint rivets 82.6 Working pressure of shell by rules 100 lb Size of manhole in shell 16 x 12 in Size of compensating ring 20 in No. and Description of Furnaces in each boiler 2 - Plain Material Steel Outside diameter 43 1/2 in Length of plain part top 80 in Thickness of plates crown 3 3/4 in bottom 4 in
 Description of longitudinal joint Welded No. of strengthening rings 1 Working pressure of furnace by the rules 110 lb Combustion chamber plates: Material Steel Thickness: Sides 1/2 in Back 1/2 in Top 1/2 in Bottom 5/8 in Pitch of stays to ditto: Sides 8 1/2 x 9 in Back 8 1/2 x 9 in
 Top 8 1/2 x 8 1/2 in If stays are fitted with nuts or riveted heads Nuts Working pressure by rules 100 lb Material of stays Steel Diameter at smallest part 1 1/2 in Area supported by each stay 76 1/2 sq in Working pressure by rules 100 lb Plates in steam space: Material Steel Thickness 3/4 in
 Pitch of stays 17 x 6 1/2 in How are stays secured Plates Working pressure by rules 100 lb Material of stay Steel Diameter at smallest part 3 1/4 in
 Area supported by each stay 280 1/2 sq in Working pressure by rules 100 lb Material of Front plates at bottom Steel Thickness 3/4 in Material of Loiber back plate Steel Thickness 1/4 in Greatest pitch of stays 13 1/2 x 9 in Working pressure of plate by rules 20 lb Diameter of tubes 3 in
 Pitch of tubes 4 1/2 x 4 1/2 in Material of tube plates Steel Thickness: Front 3/4 in Back 1/4 in Mean pitch of stays 10 1/2 in Pitch across wide water spaces 14 in Working pressures by rules 110 lb Girders to Chamber tops: Material Steel Depth and thickness of girder at centre 6 x (5 x 2) Length as per rule 27 1/2 in Distance apart 8 1/2 in Number and pitch of Stays in each 2 @ 8 1/2 in
 Working pressure by rules 100 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

The foregoing is a correct description,
 FOR WORKMAN, CLARK & CO. LIMITED

Manufacturer.

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

Is the approved plan of boiler forwarded herewith Yes

Total No. of visits

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

See other sheets

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

Committee's Minute

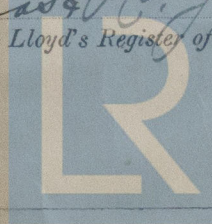
FRI. AUG. 18. 1911

Assigned

See Minute on Ref. R.P.

6974 attached

A. J. Thomas & Co. Ltd.
 Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.



Lloyd's Register
 Foundation

W416-003-7