

REPORT ON BOILERS.

No. 6430

Received at London Office

1908 3 MAR 1908

Date of writing Report 2<sup>nd</sup> March 1908 When handed in at Local Office

19 Port of Belfast

No. in Survey held at Belfast  
Reg. Book.

Date, First Survey 28<sup>th</sup> Aug 1907 Last Survey 2<sup>nd</sup> March 1908  
(Number of Visits 50)

Tons { Gross 8885  
Net 6020

Master Built at Belfast By whom built Workman Clark & Co. Ltd. When built 1908

Engines made at Belfast By whom made when made

Boilers made at By whom made when made

Registered Horse Power Owners Riff. La Societe di Navigazione Port belonging to Genoa

MULTITUBULAR BOILERS MAIN, AUXILIARY OR DONKEY. Manufacturers of Steel Beardmore & Co. Ltd.

(Letter for record 3) Total Heating Surface of Boilers 2472 sq ft Is forced draft fitted No. and Description of

Boilers Two - Single End. Cylindrical Working Pressure 200 lbs Tested by hydraulic pressure to 400 lbs Date of test 20-12-07

No. of Certificate 410 Can each boiler be worked separately Yes Area of fire grate in each boiler 36 3/4 sq ft. and Description of

safety valves to each boiler Two - Direct Spring Area of each valve 3.98 sq in Pressure to which they are adjusted 205 lbs

Are they fitted with easing gear Yes 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 14 in Mean dia. of boilers 12'-0" Length 10'-0"

Material of shell plates Steel Thickness 1 3/8 in Range of tensile strength 28-32 tons the shell plates welded or flanged No

Descrip. of riveting: cir. seams Lap St. Y. long. seams Butt Square Diameter of rivet holes in long. seams 1 5/8 in Pitch of rivets 8 1/2 in

Lap of plates or width of butt straps 1 7/8 in Per centages of strength of longitudinal joint rivets 88.6 plate 85.6 Working pressure of shell by

rules 202 lbs Size of manhole in shell 16" x 12" Size of compensating ring No. and Description of Furnaces in each

boiler 2 - Reheat Material Steel Outside diameter 46 1/2 in Length of plain part top 4 in Thickness of plates crown 3 1/2 in bottom 3 3/2 in

Description of longitudinal joint Weld No. of strengthening rings Working pressure of furnace by the rules 231 lbs Combustion chamber

plates: Material Steel Thickness: Sides 4 3/4 in Back 5 in Top 4 3/4 in Bottom 1 5/8 in Pitch of stays to ditto: Sides 9 1/2 x 8 Back 8 1/2 x 8

Top 9 1/2 x 8 If stays are fitted with nuts or riveted heads Nuts Working pressure by rules 204 lbs Material of stays Steel Diameter at

smallest part 1 1/2 in Area supported by stay 76 sq in Working pressure by rules 241 lbs plates in steam space: Material Steel Thickness 1 3/8 in

Pitch of stays 15 1/2 x 15 1/2 in How are stays secured Nuts & Washers Working pressure by rules 211 lbs Material of stays Steel Diameter at smallest part 2 1/4 in

Area supported by stay 258 1/2 sq in Working pressure by rules 202 lbs Material of Front plates at bottom Steel Thickness 1 in Material of

Lower back plate Steel Thickness 5/8 in Greatest pitch of stays 1/4 in Working pressure of plate by rules 212 lbs Diameter of tubes 3 in

Pitch of tubes 4 1/2 x 4 1/2 in Material of tube plates Steel Thickness: Front 1 in Back 1 1/8 in Mean pitch of stays 12 1/2 x 8 1/2 in Pitch across wide

water spaces 14 in Working pressures by rules 361 lbs with 1/2 in Rivets Girders to Chamber tops: Material Steel Depth and thickness of

girder at centre 8 x (3/4 x 2) Length as per rule 29 1/2 in Distance apart 8 in Number and pitch of Stays in each 2-9 1/2 in

Working pressure by rules 203 lbs 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  
M. H. Bell 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

Total No. of visits

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

See other sheet

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

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

Committee's Minute

FRI. 6 MAR 1908

FRI. 20 MAR 1908

Assigned