

REPORT ON BOILERS.

No. 6694

Received at London Office
 Date of writing Report 12th Sept 1909 When handed in at Local Office 19 Port of Belfast
 No. in Survey held at Belfast Date, First Survey 28th July 1908 Last Survey 6th Nov 1909
 Reg. Book. J.S.S. Quisto (Number of Visits 122) Gross 12130
 on the Tons Net 7421
 Master Built at Belfast By whom built Workman Clark & Co. Ltd. When built 1909
 Engines made at Belfast By whom made when made
 Boilers made at By whom made when made
 Registered Horse Power Owner Grant Steam Ship Co. Ltd. Port belonging to Belfast

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel Workman Clark & Co. Ltd.

(Letter for record S) Total Heating Surface of Boilers 6378.2 sq ft Is forced draft fitted Yes No. and Description of

Boilers 2 Single End Cylinders Working Pressure 215 lbs Tested by hydraulic pressure to 430 lbs Date of test 28.6.09

No. of Certificate 419 Can each boiler be worked separately Yes Area of fire grate in each boiler 73.8 sq ft No. and Description of

safety valves to each boiler 2 Rocket & Spring Area of each valve 9.62 sq ft Pressure to which they are adjusted 215 lbs

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

Smallest distance between boilers or uptakes and bunkers or woodwork 20 in Mean dia. of boilers 16'-4" Length 11'-6"

Material of shell plates Steel Thickness 1/8" Range of tensile strength 3 1/2 to 6.35 tons shell plates welded or flanged No

Descrip. of riveting: cir. seams L.W.Y. long. seams Auto Locks Diameter of rivet holes in long. seams 1/16" Pitch of rivets 10"

Lap of plates or width of butt straps 23 1/2" Per centages of strength of longitudinal joint rivets 102.5 Working pressure of shell by

rules 257 lbs Size of manhole in shell 16" x 12" Size of compensating ring 2 1/2" No. and Description of Furnaces in each

boiler 4 Right hand material Steel Outside diameter 44 1/2" Length of plain part top 2" Thickness of plates crown 3/4" bottom 3/8"

Description of longitudinal joint Welded No. of strengthening rings Working pressure of furnace by the rules 234 lbs Combustion chamber

plates: Material Steel Thickness: Sides 5" Back 5-4 1/2" Top 5" Bottom 1" Pitch of stays to ditto: Sides 8 x 7 1/2" Back 8 1/2 x 8 1/2"

Top 8 1/2 x 7 1/2" If stays are fitted with nuts or riveted heads Nuts in side Working pressure by rule 218 lbs Material of stays Steel Diameter at

smallest part 1 1/2" Area supported by each stay 68.2 sq in Working pressure by rule 272 lbs Head plates in steam space: Material Steel Thickness 1/4"

Pitch of stays 20 1/2" x 13" How are stays secured Nuts in side Working pressure by rule 277 lbs Material of stays Steel Diameter at smallest part 2 1/2" x 5 3/4"

Area supported by each stay 330.2 sq in Working pressure by rule 247 lbs Material of Front plates at bottom Steel Thickness 1/2" Material of

Lower back plate Steel Thickness 1/16" Greatest pitch of stays 13 1/2" Working pressure of plate by rule 227 lbs Diameter of tubes 2 1/2"

Pitch of tubes 25 x 3 1/2" Material of tube plates Steel Thickness: Front 3/32" Back 1/16" Mean pitch of stays 2 1/2" x 7 1/4" Pitch across wide

water spaces 13 1/2" Working pressures by rule 259 lbs with 3 1/2" Girders to Chamber tops: Material Steel Depth and thickness of

girder at centre 9 1/4" x (7 x 2) Length as per rule 31 1/16" Distance apart 8 1/8" x 7 1/2" Number and pitch of Stays in each 3-7 1/4"

Working pressure by rule 258 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

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.)

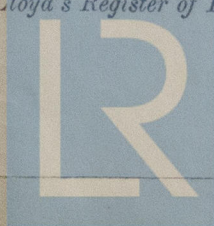
Survey Fee ... £ : : When applied for, 19
 Travelling Expenses (if any) £ : : When received, 19

Committee's Minute

TUES. 16 NOV 1909

Assigned

R. F. B. Bennett
 Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.



Lloyd's Register
 Foundation

WS67-0211

Pumps

2 Lotwell Pumps

9" x 11" x 24"

3 Main Feed

14" x 12 1/2" x 26"

1 Aux.

6" x 4 1/2" x 9"

2 Wash Water

4 1/2" x 3 1/2" x 7"

1 General

12" x 9" x 12"

1 Ballast

10" x 12" x 10"

Set Triple Rifle

4 1/2" x 9"

1 Triple

6" x 8" x 8"

2 Centrifugal Sanitary

5"

1 Fine str.

4" x 4" x 4"

1 Evaporator

4" x 4 1/2" x 10"

2 Air

9 1/2" x 26" x 18"

2 Circulating

22" diam.

1 Aux. Air

10" x 18" x 12"



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