

REPORT ON BOILERS.

No. 7330

MON. FEB. 2-1914

Date of writing Report 14th Jan^y 1914 When handed in at Local Office 14th Jan^y 1914 Port of Belfast
 Description of SS. Star of Victoria
 Date, First Survey 28th Nov^r 1912 Last Survey 14 Jan^y 1914
 (Number of Visits 119) Gross 9152 Tons Net 5851
 Built at Belfast By whom built Workman Clark & Co. Ltd.
 Rivets Steel Plates Steel By whom made Workman Clark & Co. Ltd.
 when made 1914
 stays Steel By whom made Workman Clark & Co. Ltd.
 when made 1914
 Registered Horse Power 5 Owners Star Line Ltd.
 Port belonging to Belfast

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

Matter for record S Total Heating Surface of Boilers 3026 sq. ft. Is forced draft fitted Yes No. and Description of
 Boilers 1 Single End Cylinder Working Pressure 200 lbs. Tested by hydraulic pressure to 400 lbs. Date of test 27-10-13
 of Certificate 457 Can each boiler be worked separately ✓ Area of fire-grate in each boiler 73½ sq. ft. No. and Description of
 Safety valves to each boiler Two-Direct Spring Area of each valve 11.04 sq. in. Pressure to which they are adjusted 200 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 About 30" Mean dia. of boilers 16'-3" Length 11'-10"
 Material of shell plates Steel Thickness 1 3/4" Range of tensile strength 30-33½ tons Are the shell plates welded or flanged No
 Description of riveting: cir. seams Sup. D & S long. seams About 1 inch Diameter of rivet holes in long. seams 1 1/2" Pitch of rivets 10½"
 Width of butt straps 23 7/8" Per centages of strength of longitudinal joint 91.9 Working pressure of shell by
 rules 233 lbs. Size of manhole in shell 16" x 12" Size of compensating ring M. Keble No. and Description of Furnaces in each
 boiler 4-Morrison Material Steel Outside diameter 45 1/2" Length of plain part top 4 1/2" Thickness of plates bottom 4 1/2"
 Description of longitudinal joint Weld No. of strengthening rings ✓ Working pressure of furnace by the rules 229 lbs. Combustion chamber
 Material Steel Thickness: Sides 2 1/2" Back 4 1/2" Top 3 1/2" Bottom 3 1/2" Pitch of stays to ditto: Sides 8 1/2" x 8 1/2" Back Various
8 1/2" x 7 1/2" If stays are fitted with nuts or riveted heads Nuts inside Working pressure by rules 201 lbs. Material of stays Steel Diameter at
 smallest part 1 1/2" to 1 3/4" Area supported by various Working pressure by rules 225 lbs. End plates in steam space: Material Steel Thickness 1 1/4"
20 1/2" x 15 1/2" How are stays secured By nuts & washers Working pressure by rules 203 lbs. Material of stays Steel Diameter at smallest part 2 1/2" x 3 1/2"
14 1/2" x 15 1/2" Area supported by stay 321 1/2" Working pressure by rules 235 lbs. Material of Front plates at bottom Steel Thickness 1" Material of
 boiler back plate Steel Thickness 1 1/4" Greatest pitch of stays 15 1/2" Working pressure of plate by rules 227 lbs. Diameter of tubes 2 1/2"
25-9" Pitch of tubes 3 3/4" x 3 5/8" Material of tube plate Steel Thickness: Front 1 1/4" Back 1 3/8" Mean pitch of stays 7 1/2" x 7 1/2" Pitch across wide
 water spaces 13 1/2" Working pressures by rules 206 lbs. Girders to Chamber tops: Material Steel Depth and thickness of
 order at centre 9 1/8" (3/4" x 2) Length as per rule 34" Distance apart 8 1/2" Number and pitch of Stays in each 3-7 1/4"
 Working pressure by rules 207 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
 plates ✓ Pitch of rivets ✓ Working pressure of shell by rules ✓ Diameter of flue ✓ Material of flue plates ✓ Thickness ✓
 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

W. H. Bell Manufacturer.

Is the approved plan of boiler forwarded herewith Yes

Total No. of visits ✓

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

See other sheet

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...

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

Committee's Minute FEB. 6-1914

TUE. FEB. 10. 1914

Assigned

FRI. JUN. 26. 1914

TUE. JUL. 28. 1914

Lloyd's Register
 Foundation
 W1005 8027

List of Donkey Pumps

1 Ballast	10" x 12" x 12"
2 Water Feed	13 1/2" x 10" x 26"
1 General	9" x 6" x 10"
1 Sanitary	6" x 4" x 8"
2 Fresh Water	5" x 5" x 8"

List of Spare Gear

- 1 Propeller Shaft complete
 - 4 C. Steel Propeller Blades
 - 50 Main Condenser Tubes
 - 2 Pure Crank Pin Bushes
 - 2 - Crosshead
 - 1 Air Pump Bucket
 - 2 - - - - - Rods
 - 4 Slide Valve Spindles
 - 2 Sets H. P. piston rings & springs
 - 1 - I. P. + L. P. piston rings
 - 2 - rings + 1 set springs H. P piston valves
 - 1 Centrifugal Pump impeller & spindle
 - 30 Boiler Tubes
 - 1 Combination Breakdown Coupling
- and all other spare gear to Lloyd's Rules.

Rpt. 13.

Port of

No. in
Reg. Book

Owners

Yard No.

DESCRIPTION

Capacity of

Where is D

Position of

Positions of

If fuses are

circuits.

If vessel is

Are the fuses

Are all fuses

are per

Are all swit

Total number

A 100

B 68

C 53

D 121

E Wirele

2 Ma

2

15

If arc lights,

Where are th

DESCRIPTION

Main cable car

Branch cables c

Branch cables c

Leads to lamps

Cargo light cabl

DESCRIPTION

Joints in cables,

Are all the joint

positions, n

Are there any jo

How are the cab

in with

Circuits.

F. 42- 8 c

G. 118- 8 c

H. 100- 8 c



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