

REPORT ON BOILERS.

No. 8120

WED. SEP. 11. 1912

Received at London Office

Port of Belfast
Date, First Survey 30 June 1911 Last Survey 3 Sept 1912
(Number of Visits 112) Gross 10494 Tons Net 6622
No. in Survey held at Belfast
Reg. Book. S.S. Vestris
Built at Belfast By whom built Workman Clark & Co. Ltd When built 1912
Engines made at Belfast By whom made Workman Clark & Co. Ltd when made -
Boilers made at Belfast By whom made Workman Clark & Co. Ltd when made -
Registered Horse Power ✓ Own Liverpool Baggins & Rieu Plate & N. Say L. Port belonging to Liverpool
(Liverpool & Hall Moss)

MULTITUBULAR BOILERS ~~MAIN, AUXILIARY OR DONKEY~~ Manufacturer of Steel Beardmore & Co. Ltd
Letter for record S Total Heating Surface of Boilers 2058 sq ft Is forced draft fitted No No. and Description of
Boilers One - Cylindrical Single Ended Working Pressure 215 lbs Tested by hydraulic pressure to 430 lbs Date of test 29-2-12
No. of Certificate 449 Can each boiler be worked separately ✓ Area of fire grate in each boiler 52½ sq ft No. and Description of
Safety valves to each boiler 2, 1 Vent Spring Area of each valve 5.94 sq 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 ✓
Smallest distance between boilers or uptakes and bunkers or woodwork 4 ft 3 in Mean dia. of boilers 14'-6" Length 11'-0"
Material of shell plates Steel Thickness 1½" Range of tensile strength 28-32 tons Are the shell plates welded or flanged No
Descrip. of riveting: cir. seams Lap Dr. S. long. seams Butt Suedle Diameter of rivet holes in long. seams 1½" Pitch of rivets 10½"
Pitch of plates or width of butt straps 23½" Per centages of strength of longitudinal joint rivets 88' 9 plate 84' 8 Working pressure of shell by
rules 252 lbs Size of manhole in shell 16" x 12" Size of compensating ring M. Neils No. and Description of Furnaces in each
boiler 3 - Moroccan Material Steel Outside diameter 46½" Length of plain part top 4' Thickness of plates crown 45' bottom 64'
Description of longitudinal joint Weld No. of strengthening rings ✓ Working pressure of furnace by the rules 251 lbs Combustion chamber
plates: Material Steel Thickness: Sides 2½" Back 2½" Top 2½" Bottom 2½" Pitch of stays to ditto: Sides 8½" x 6½" Back 9" x 4½"
Top 8½" x 4½" If stays are fitted with nuts or riveted heads Nuts Working pressure by rules 233 lbs Material of stays Steel Diameter at
smallest part 1½" Area supported by each stay 63 sq Working pressure by rules 251 lbs End plates in steam space: Material Steel Thickness 1½"
Pitch of stays 10½" x 16" How are stays secured Nuts & Washers Working pressure by rules 215 lbs Material of stays Steel Diameter at smallest part 2½" to 3½"
Area supported by each stay Various Working pressure by rules 312 lbs Material of Front plates at bottom Steel Thickness 1½" Material of
Lower back plate Steel Thickness 3½" Greatest pitch of stays 14½" Working pressure of plate by rules 224 lbs Diameter of tubes 3½"
Pitch of tubes 4½" x 4½" Material of tube plates Steel Thickness: Front 1½" Back 1½" Mean pitch of stays 9" x 9" Pitch across wide
water spaces 14½" Working pressures by rules 221 lbs Girders to Chamber tops: Material Steel Depth and thickness of
girder at centre 4½" x (¾" x 2) Length as per rule 28½" Distance apart 4½" Number and pitch of Stays in each 2-8½"
Working pressure by rules 219 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 Yes
Total No. of visits

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

Survey Fee ... £ See other sheet When applied for
Travelling Expenses (if any) £ When received,
A. J. Bonfield & A. J. Jones
Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute FRI. SEP. 13. 1912
Assigned

List of Monkey Pumps

1 Ballast Pump	10" x 11" x 10" Duplex
2 Water Feed	14" x 10 1/2" x 20"
1 Aux ^y	6" x 4 1/2" x 6"
1 Sanitary	4" x 4" x 8"
1 General Service	11" x 7 1/2" x 15"
1 Ash Ejector	- - -
1 Fresh Water	4" x 4" x 5"
1 Cattle	6" x 4 1/2" x 6"



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Lloyd's Register
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