

1 or 2 Dks., R.Q.Dk.,
and Pt. Awng. Dk.

IRON OR STEEL STEAMER.

State of Report is also sent on the Machinery of the Vessel

Date of completion of Report 12.10.10
Date, First Survey 11th May

Received at London Office

No. 6502

THUR. 13 OCT. 1910

Port of Middlesbrough
Last Survey 10th Sept. 1910

Survey held at Middlesbrough - on Sea
On the Iron Steamer Plan Forest

TONNAGE under
Tonnage Deck... 214.18
Do. of Poop...
Do. of Raised Or... 26.25
Do. of Break...
Do. of Bridge House... 10.08
Do. of Forecastle... 17.33
Do. of Houses on Deck... 13.22
Do. of excess of Hatchways... 18.77
Do. above Crown of...
Engine Room... 296.83
Gross Tonnage...
Less Crew Space... 31.32
Less above Crown of...
Engine Room...
TONNAGE FOR FEES... 265.51
Less Engine Room... 128.89
Less Navigation Spaces... 31.17
Register Tonnage... 105.45
as cut on Beam...

ONE ~~DECKED~~ DECKED VESSEL.
CLASS 100 M.

Half Breadth (moulded) 12.41
Depth from upper part of Keel to top of Main Deck Bms. 10.52
(with the normal round up of beam)
Girth of Half Midship Frame (as per Rule) 21.17
1st Number 44.10
Length on deck from after part of stem to fore part of stern post 129.0
2nd Number 5688.9
Proportions—Breadths to Length 5.19
Depths to Length—Main Deck to top of Keel 12.26
Destined Voyage Lyons

Master J. B. Coe
Year of appointment (1) As master in service of owner of present vessel:—1910
(2) As master of this vessel:—1910
Built at Middlesbrough - on Sea
When built 1910 Launched 5th Aug. 1910
By whom built Smith's Dock Co. Ltd.
Owners United Shore Lines Ltd.
Managers
(Where necessary to be entered in Reg. Book.)
Residence 2 Bristol Chambers Bristol
Port belonging to Bristol

LENGTH on Deck as per Rule... 129 0
BREADTH—Moulded... 24 10
DEPTH, ACTUAL—Top of Floors to top of Main Deck Beams... 9 15
No. of Decks with Flat laid... 0
No. of Tiers of Beams...
Dimensions of Ship per Register, Length, 130.1 breadth, 25.1 depth, 8.83 Moulded Depth, 10 ft. 0 ins. Round of Beam, Actual 6 1/2 ins.

FRAMING.						FORGINGS AND CASTINGS.					
FRAME, Angles, 4 x 4 Bars, for 1/2 length amidships... 2 way Hatch... Do. for 1/2 at each end... Do. in way of Double Bottoms at Solid Floors... at intermdt. Bkts... Spacing of Frames from centre to centre... REVERSED FRAME, Angles... DEEP FRAMING, depth of girder... FLOORS, depth and thickness of Floor Plate... at mid-line for 1/2 length amidships... in way of Engines and Boilers... thickness at the ends of vessel... depth at 1/2 the half breadth, as per Rule... height extended at the Bilges... FLOORS & BRACKETS, in Cell Dble Bottoms... state if flanged (top & bottom)... CENTRE GIRDER, in Double Bottom, depth... and thickness... Angles, Top... Bottom... SIDE GIRDERS, number on each side & thickness... state if flanged (top & bottom)... Angles... MARGIN PLATE, depth (exclusive of flange)... and thickness... Angles to Outside Plating... Floors... Height of Floors at the Bilges... INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake... thickness in Engine and Boiler space... Remainder in Holds... BEAMS, Main and Raised Quarter Deck, Single Angle, Bulb Angle, Plate or Tee Bulb... Angles on Upper Edge... Spacing... BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb... Angles on Upper Edge... Spacing... BEAMS, Hold, Plate or Tee Bulb... Angles on Upper Edge... Spacing... BEAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb... Angles on Upper Edge... Spacing... BEAMS, Bridge or Pt. Awng. Deck, Angle, Bulb Angle, Plate or Tee Bulb... Angles on Upper Edge... Spacing... BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb... Angles on Upper Edge... Spacing... MILLARS, in 'tween Decks, Size and Spacing... Hold... Quarter, 'tween Dks.,... in-Hold... WEB FRAMES, in Fore Body, No. and Spacing... No. of Side Stringers... WEB FRAMES, in E. & B. Space, No. & Spacing... Brth. & Thickness... WEB FRAMES, in After Body, No. and Spacing... No. of Side Stringers... Size of Angles or Tee Bars to Web Frames BRACKET PLATES to Stringers between Web Frames, Depth and Thickness...						KEEL, Bar or Side Plates depth and thickness... STEM, moulding and thickness... STERN-POST for Rudder do. do... for Propeller... MAIN PIECE of Rudder, diameter at head... do. at heel... RUDDER, how constructed... Can the Rudder be unshipped afloat? Yes KEELSONS AND STRINGERS. CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate... Rider Plate... Bulb Plate to Intercoastal Keelson... Horizontal Plates on Floors... Angles... SIDE KEELSON, Angles... Bulb or Plate above floors for lng... Intercoastal Plate for 1/2 length... Attached to outside plating with Angle... BILGE KEELSON, Angles... Bulb or Plate above floors for lng... Intercoastal Plate for length... Attached to outside plating with Angle... BILGE STRINGER Angles... Bulb Plate for length... Intercoastal Plate for length... Attached to outside plating with Angle... SIDE STRINGER Angles... Bulb or Intercoastal Plate for R.Q.D. lng... Attached to outside plating with Angle... Main and Raised Quarter Deck Stringer Plate, breadth and thickness... Angle on ditto... Tie Plates, outside Hatchways... Diagonal Tie Plates on Bms., No. of Pairs... Main Dk* Iron or Steel for full lng... R.Q. Dk* Iron or Steel for aft lng... Wood Deck, Material and thickness... Lower Deck Stringer Plate, breadth and thickness... Angles on ditto, No... Tie Plates, outside Hatchways... Deck* Material and thickness... Hold Stringer Plate... Angles on ditto, No... Poop Deck Stringer Plate, breadth & thickness... Angle on ditto... Tie Plates... Deck, Material and thickness... Bridge or Pt. Awng. Deck Stringer Plate, breadth and thickness... Angle on ditto... Tie Plates... Deck, Material and thickness... Forecastle Deck Stringer Plate, brdth & thcknss... Angle on ditto... Tie Plates... Deck, Material and thickness... * If Iron or Steel Deck, state if whole or part, and if wood deck is laid thereon. BULKHEADS. W.T. BULKHEADS... Fore Peak... PARTITION... After Peak... LONGITUDINAL... STIFFENERS. Horizontal, Vertical, Spacing... Single or Double Frames... Height up...					

PLATING.

STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.		EDGES.		RIVETING.		BUTTS.		IF LAPPED.		
	Breadth.	Thickness.	Forward.	Aft.	Breadth.	Thickness.	Single or Double.	Breadth of Lap.	Diam.	Spacing or to rivet.	Breadth.	Thickness.	Breadth.	For what Length.	
FLAT PLATE KEEL (If Bar Keel, state Riveting)	36	9	8	8	36	9	Double	4 1/2	3/4	3	Double	3/4	2 1/2	7 1/2	Full
GARBOARD OR A Strake	59	8	8	8	8	8	"	"	"	3	Double	"	"	8	"
B "	59	7	5	5	7	7	"	"	"	"	"	"	"	"	"
C "	59	8	6	6	8	8	Single	2 1/2	"	"	"	"	"	"	"
D "	59	7	5	5	7	7	Double	4 1/2	"	"	"	"	"	"	"
E "	31 1/2	8 1/2	7	7	31	8	Single	2 1/2	"	"	Double	3/4	2 1/2	9 1/2	"
F "															
G "															
H "															
I "															
J "															
K "															
L "															
M "															
N "															
O "															
P "															

DOUBLING OF Flat Plate Keel

Length and thickness of Bilges increased 3/8 for 3/4 in = 10-7 + increased 3/8 at break = 13/20

Length and thickness of Sheerstrakes

Length of Strake below

POOP SIDES

RAISED QUARTER DECK SIDES

BRIDGE SIDES

FORECASTLE SIDES

LENGTHS OF PLATING

Manufacturer's name or trade mark of the Iron or Steel (state process of manufacture of Steel) used for Frames, Floors, Beams, Keelsons, Tie and Stringer Plates, outside Plating, &c. *Connell, Bolton Vaughan & Co. South Durham, Iron Works.*

Has the Steel been tested as required by the Rules *Yes*

FRAMES extend in one length from *Keel* to *gunwale* state if ordinary or joggled *Ordinary*

REVERSED FRAMES on floors and frames extend from *straight across* to *E.P. Keel floor flange* state if ordinary or joggled *Yes*

MASTS, SPARS, &c.

LOWER MASTS....	Fore	Main	Mizen	Material.	Total length.	DIAMETER AND THICKNESS.			No. of Plates in round.	ANGLES.		RIVETING.	
						At Partners.	Heel.	Hounds.		Number.	Size.	Seams.	Butts.
				R.P.	42'-0"		13"		3 1/4				
				"	44'-3"		13"		3 1/4				
				"	28'-6"		8 3/4		2 3/4				

Bowsprit

Topmasts, Yards and Remainder of Spars *R.P.*

Rigging, Material and Size, Shrouds *S.P.W. 7 1/2 Main 2 1/4 Mizen 2"* Stays *S.P.W. Fore 8" Main 2 1/4 Mizen 2"*

Sails, *One Day by Vail, Mizen by Vail* Sails and the following spare sails

Equipment No. *6243* Letter *e*

ANCHORS.

Number of Certificate.	Anchors.	WEIGHT, lbs. STOKES		WEIGHT, lbs. SWAN		TEST, PER CERTIFICATE.		WEIGHT REQUIRED BY TABLE 22.		Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Cwts.	qrs.	Cwts.	qrs.	Tons.	Cwts.	Cwts.	qrs.			
64439	1st Bower	8	1	8	5	10	10	0	0	8	1	0
64438	2nd "	8	0	9	5	10	5	0	0	8	0	0
	3rd "											
	Collective weight	16	1	17				16	1	0		
64421	Stream	2	3	2		2	25	5	7	2	0	
	Kedge	1	0	0		1	0	0		1	0	0

CHAIN CABLES.

Number of Certificate.	Length and size supplied.	Test per Certificate.	WEIGHT OF CHAIN CABLE.		Length & Size per Table 22.	Description.	Makers of Cables.	Where and when tested and Superintendent.	Material.	Length and Size supplied.		Breaking Test of Steel Wire.	Length and Size per Table 22.	
			Supplied.	Per Table 22.						Length.	Cir.		Length.	Cir.
47020	165' 15/16" 11:8 23.7	75:1.10 75:1.26	165' 15/16"	11:8	165' 15/16"	11:8	Shadwick & Taylor, Hull	25.5.10	116 run	75' 2 1/2"	12 1/2	75' 2 1/2"	12 1/2	
	45' 2 1/4" 9 1/2		45'	2 1/4"	45'	2 1/4"	Ward & Haggill, Hull	27.7.10						

HAWSERS AND WARPS.

Number of Certificate.	Length and size supplied.	Test per Certificate.	Description.	Makers of Cables.	Where and when tested and Superintendent.	Material.	Length and Size supplied.		Breaking Test of Steel Wire.	Length and Size per Table 22.	
							Length.	Cir.		Length.	Cir.
	75' 2 1/2"	12 1/2	TOWLINE				75' 2 1/2"	12 1/2		75' 2 1/2"	12 1/2
	90' 2"	7	HAWSERS & WARPS				90' 2"	7		90' 2"	7

Boats *Two 14' 6" Life Boats*

Pumps, Number *One* Diameter of Barrel *4"* State whether they are in efficient working order *Yes*

Windlass is *Imperial Walker & Thompson Hand & Gaffney* Captain *Mr. Clark Chapman & Co*

Engine Room Skylights.—How constructed? *Deck with lead plates*

What arrangements for deadlights in bad weather? *Rolling*

Coal Bunker Openings.—How constructed? *Shut plates & angles* How are lids secured? *Iron covers* Height above deck? *8'-0"*

Number of Scuppers, and number and dimensions of Freeing Ports, &c. *Four Scuppers. Freeing Port: Two 26" x 18" One 24" x 15" Each side*

Ceiling in Holds, thickness and material *2 1/2" W.M.* **Cargo Battens, thickness and material** *One culing 6" oak stringer*

Cargo Hatchways.—How formed? *Shut plates and angles* **Hatches.**—If strong and efficient? *Yes*

State size No. 1 Hatch (Forward) *36' 7 1/2" x 14'-0"* **No. 2 Hatch** *No. 3 Hatch* *No. 4 Hatch*

Number of Web Plates, Shifting Beams, and Fore and Afters to each Hatch *See notes, no fore and afters*

No. of Breasthooks *One* **No. of Crutches** *Sup. floors*

Bulwarks, height above deck and description *39" Shut plate & sp* **Main Rail and Stays, material and size** *See notes 6" x 3/4" W.P.*

The above is a correct description.

Builder's Signature (Here only) *Galgreen* Surveyor's Signature *B. J. Baker* Surveyor to Lloyd's Register of British and Foreign Shipping.

Correspondence.—State dates and initials of letters respecting this case (Reference should be made to any correspondence connected with the case) *M. 16th March*

6th 11th April 1910

Workmanship. Are the butts of plating planed or otherwise fitted? *Planed*

Is the riveted work properly closed? *Yes*

Are the liners between the frames and plates solid single pieces? *Yes* Do the holes for riveting plate to frames, butt straps, or plate to plate, &c., conform well to each other? *Yes* Are the rivet holes well and sufficiently countersunk in the plate and punched from the faying surfaces? *Yes* Do any rivets break into or through the seams or butts of the plating? *A few*

Are the butts of Plating, Stringers, &c., properly shifted and strapped? *Yes*

Have all the upper and weather decks been tested as required by the Rules (Sec. 23, par. 24)? *Yes* State results of tests *Satisfactory*

Have all the gutterways been tested as required by the Rules (Sec. 23, par. 25)? *Yes* State results of tests *Yes*

General Remarks (State quality of workmanship, &c.) *Good*

This vessel has been built in accordance with the approved plans, the Secy's letters of above date and in general conformity with the Rules for the class contemplated. Steam steering gear has been fitted (the ventral) with ratchet chain &c., and a spare letter has been provided. Steering gear arranged hand and steam. Keelsons have been fitted for about 40' in length composed of a 6" x 6" built plate & 5" x 4" x 1/2" bar.

One freezing report and three plans together with a copy of the Mid. Sec. & Profile as built are forwarded herewith. It is requested that the Plans be returned for use on the sister vessels No. 456 & 457.

This is a sister vessel to the S.S. Porthgarn Muz report No 57817

The Surveyor should state the Number of Report and Name of any Sister Vessel.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *✓* ft., R.Q.D. or Break *46.0* ft., Bridge Dk. *7.66* ft., F'castle *24.5* ft. (in feet and tenths) where the Poop is on top of the R.Q.D., or when the Poop or R.Q.D. is joined to the B.D., this should be distinctly stated *R.Q.D. and B.D. joined*

No. and Material of Decks (if Iron or Steel) and whether wholly or partially covered with wood, and No. of tiers of Beams (this information is to be given as it should appear in the Register Book) *1 R.Q.D. 1 B.D. 1 Well deck*

Official No. *127084* ; Signal Letters *✓* State if Machinery is fitted aft *Yes*

How are the surfaces preserved from oxidation? Inside *Paint & Cement* Outside *Paint*

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system or with girders on floors *✓*

Where fitted.	*Length. Feet.	Water Capacity. Tons.	Where fitted.	*Length. Feet.	Water Capacity. Tons.

Double bottom, aft, *✓* Fore peak tank, *63.0*

Double bottom, under Engines and Boilers, *✓* After peak tank, *14.5*

Double bottom, if under Engines only, *✓* Deep tank, aft, *✓*

Double bottom, if under Boilers only, *✓* Deep tank, forward, *✓*

Double bottom, forward, *✓* Other tanks, if fitted, *✓* (if necessary, furnish further information by sketch.)

Total capacity of double bottom *✓* State whether the above have been tested as required by the Rules *Yes*

* The wells are not to be included in the lengths of the tanks.

Order for Special Survey No. *84* *1910 May 1 18.26 June 6 7.8 9.14 16.17.20.30 July 4.6.7.11.15.18.21.22.25.28 Dec. 3.4.5.22.24.25.27.30*

Date *11.4.1910*

No. *458* in builder's yard.

Dates of Surveys held while building

Total No. of Visits *44*

The amount of Entry Fee *2 : 0 : 0* Fees applied for, *12.10.1910*

Special *13 : 6 : 0* Received by me, *22.10.1910*

Travelling Expenses, if any *✓*

State whether the Vessel has been built under Special Survey *Yes*

I am of opinion this Vessel should be Classed *100 M.*

With or without Freeboard, as condition of Class *Without*

Committee's Minute *10001*

Character assigned *✓*

Lloyd's & Co. O. + L.M.B. 9.10

B. J. Baker

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

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