

With or Without  
Disconnected Erections.

STEEL STEAMER.

Received at London Office.

Date of completion of report 19th June 1915  
Survey held at Bristol  
On the S.S. WELSH COAST  
Tonnage under Tonnage Deck 781.72  
Do. between Tonnage Dk. and 3rd and 4th Dk. 29.52  
Total under Upper Dk. 811.24  
Do. of Poop 140.64  
Do. of R.Q.Dk. 9.50  
Do. of Bridge House 18.75  
Do. of Forecastle 11.24  
Do. of Houses on Dk. 43.32  
Do. of excess of Hatchways 35.60  
Do. above Crown of Engine Room 1070.29  
Gross Tonnage 51.39  
Less Crew Space 35.60  
Less above Crown of Engine Room 983.30  
Tonnage for Fees 432.22  
Less Engine Room 93.15  
Less Navigation Spaces 544.92  
Register Tonnage as out on Beam 544.92  
CLASS H/100 A1  
Breadth (greatest moulded) 33.5  
Depth, at middle of length from top of keel to top of upper deck beams at side 15.5  
Transverse Number 49  
Length on deck from fore part of stem to after part of stern post 212  
Longitudinal Number 10388  
Depth "d," at middle of length (See Secs. 2 & 13) 12.84  
Proportions—Depth to Length—Upper Deck Beam at side to top of keel 7.4 D. 16.84 13.67  
" " Long Bridge Deck Beam at side to top of keel  
Destined Voyage Liverpool  
Master T. Barry  
Year of appointment 1915  
Built at Bristol  
When built 1915 Launched 11.3.13  
By whom built Messrs. C. Hill & Sons  
Owners Powell, Bacon & Hough  
Managers  
Residence  
Port belonging to Liverpool  
If Surveyed while Building, Afloat, or in Dry Dock Yes

as out on Beam		Feet.		Inches.		Feet.		Inches.		Feet.		Inches.		No. of Decks with flat laid		one			
LENGTH on Deck as per Rule		212		-		BREADTH—Moulded		33 6		DEPTH, ACTUAL—Top of Floors to top of Upper Dk. Beams		12 10		No. of Tiers of Beams		one			
Moulded depth, ft. 14 ins. 6 To Bridge Dk. Round of Upper Dk. Beam, Actual 83/8 ins.																			
Moulded depth, ft. 5 ins. 6 To Upper Dk.																			
Dimensions of Ship per Register, Length 222.4 breadth 34.1 depth 13.25																			
FRAMING.										FORGINGS or CASTINGS.				Inches in Ship.		Inches per Rule Or as Approved.			
FRAME, Angles, Bars amidships E.R.										KEEL, Bar, depth and thickness				Plate, Rule		6 3/4 x 2 1/2			
Do. in peaks										STEM, moulding and thickness				6 3/4 x 2 1/2		6 3/4 x 2 1/2			
Do. in way of Double Bottoms at Solid Floors										STERN-POST for Rudder do. do.				6 3/4 x 4 3/8		6 3/4 x 4 3/8			
Do. in way of Double Bottoms at intermdt. Bkts.										" for Propeller				6 3/4 x 4 3/8		6 3/4 x 4 3/8			
Spacing of Frames from centre to centre amidships										RUDDER—A x D* Table 22				150.659		6 3/4 x 4 3/8			
" " length to Collision bulkhead										" Main-Piece, diameter at head				6 1/2		6 1/2			
" " in peaks										" " at heel				4 3/4		4 3/4			
REVERSED FRAME, Angles										RUDDER, how constructed				Single Plate		3/4			
FRAMING, depth of girder										Can the Rudder be unshipped afloat?				3/4					
FLOORS, depth and thickness of Floor Plate at mid-line for length amidships										KEELSONS & STRINGERS.				Inches in Ship.		Inches per Rule Or as Approved.			
" in way of Engine and Boiler Spaces										CENTRE LINE KEELSON, Vertical (intermediate)				138		138			
" thickness at the ends of vessel										floors, Through Plate, or Intercoastal Plate				3 1/2		3 1/2			
" depth at the half breadth, as per Rule										" Rider Plate				3 1/2		3 1/2			
" height extended at the Bilges										" Flat Plate Keel Angles				8 3/2		8 3/2			
FLOORS & BRACKETS in Cell Dble Bottoms										" Horizontal Plates on Floors				8 3/2		8 3/2			
" state if flanged (top & bottom)										" Angles or Bulb Angles				8 3/2		8 3/2			
" Spacing										SIDE KEELSONS, Number				Two		Two			
CENTRE GIRDER, in Dbl. bottom, dpth. & thickness										" Angles or Bulb Angles				4 1/2		4 1/2			
" Angles, Top										" Plate above floors, for length				3 1/2		3 1/2			
" Bottom										" Intercoastal Plate, for full length				3 1/2		3 1/2			
" to Floors										" Attached to outside Plating with Angle				3 1/2		3 1/2			
SIDE GIRDERS, number on each side & thickness										BILGE KEELSON, Angles				11		11			
" state if flanged (top and bottom)										" Intercoastal Plate for length				4 1/2		4 1/2			
" Angles										" Attached to outside Plating with Angle				4 1/2		4 1/2			
MARGIN PLATE, depth (exclusive of flange) and thickness										SIDE STRINGERS, Number				Two		Two			
" Angles to Outside Plating										" Angles				4 1/2		4 1/2			
" Floors										" Intercoastal Plate, for full length				3 1/2		3 1/2			
" Height of Brackets above at bilge										" Attached to outside plating with Angle				3 1/2		3 1/2			
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake										Upper Deck Stringer Plate, br'dth & thickness (clear of Bridge)				42		42			
" " in Engine and Boiler space										" " " (in way of Bridge)				42		42			
" " Remainder in Hold										" " Angle (clear of Bridge)				58 5		182 70 1/2 Length			
BEAMS, Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel										" Tie Plate at sides of Hatchways				13 1/2		13 1/2			
" Angles on upper edge										" Deck * Iron or Steel, for full lng.				13 1/2		13 1/2			
" Spacing										" Thickness (clear of Bridge)				13 1/2		13 1/2			
BEAMS, Second Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel										" " (in way of Bridge)				13 1/2		13 1/2			
" Angles on upper edge										Wood Deck, Material & thickness				48		48			
" Spacing										Rider Deck Stringer Plate, br'dth & thickness				3 1/2 x 3 1/2		3 1/2 x 3 1/2			
BEAMS, Third or Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel										" Angles on ditto, No.				48		48			
" Angles on upper edge										" Tie Plates outside Hatchways				3 1/2 x 3 1/2		3 1/2 x 3 1/2			
" Spacing										" Deck * Iron or Steel, for full lng.				3 1/2		3 1/2			
BEAMS, Fourth or Fifth Deck, Plate, Tee Bulb, or Channel										" Wood Deck, Material & thickness									
" Angles on upper edge										Third Deck Stringer Plate, br'dth & thickness									
" Spacing										" Angles on ditto, No.									
BEAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel										" Tie Plates outside Hatchways									
" Angles on upper edge										" Deck * Material and thickness									
" Spacing										Fourth and Fifth Deck Stringer Plate, breadth & thickness									
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel										" Angles on ditto, No.									
" Angles on upper edge										" Tie Plates outside Hatchways									
" Spacing										" Deck, Material & thickness									
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel										Poop Deck Stringer Plate, breadth & thickness									
" Angles on upper edge										" Angle on ditto									
" Spacing										" Tie Plates									
PILLARS, In two Deck, size and spacing										" Deck, Material and thickness									
" Hold										Bridge Deck Stringer Plate, br'dth & thickness				36 x 28		36 x 28			
" Quarter tween Dks.										" Angle on ditto				3 x 3		3 x 3			
" in Hold										" Tie Plates				5 x 23 1/2		5 x 23 1/2			
WEB-FRAMES, In Fore Body, No. and spacing br'dth. & thickness										" Deck, Material and thickness				20		20			
" No. of Side Stringers										Forecastle Deck Stringer Plate, br'dth & thickness				3 x 3		3 x 3			
WEB-FRAMES, In E. & B. Space, No. & spacing br'dth. & thickness										" Angle on ditto				23 1/4		23 1/4			
" No. of Side Stringers										" Tie Plates				23 1/4		23 1/4			
WEB-FRAMES, In After Body, No. and spacing br'dth. & thickness										" Deck, Material and thickness				23 1/4		23 1/4			
" No. of Side Stringers										* If Iron or Steel Deck, state if whole or part, and if Wood Deck is laid thereon.									
Size of Face Angles to Web-Frames										BULKHEADS.				Number.		Thickness.			
BRACKET PLATES to Stringers between Web Frames, depth and thickness										Vessel.				Per Rule.		STIFFENERS.		Single or Double Frames.	
										W. T. BULKHEADS				3 3		30		7 x 5 x 40	
										COLLISION				3 3		30		7 x 5 x 40	
										PARTITION				3 3		30		7 x 5 x 40	
										LONGITUDINAL				3 3		30		7 x 5 x 40	
										Are the outside Plates doubled two spaces of Frames in length?				No					
										Are the Stowage Vents and Watertight Doors in efficient working order?				Yes					

PLATING.										RIVETING.									
STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.		EDGES.		BUTTS.		RIVETS.		STRAPS.		IF LAPPED.				
	Breadth.	Thickness.	Thickness.	Thickness.	Breadth.	Thickness.	Single or Double.	Breadth of Lap.	Diam.	Spacing or to cr.	Diam.	Spacing or to cr.	Breadth.	Thickness.	Breadth.	For what Length.			
FLAT PLATE KEEL (If Bar Keel, state Riveting.)	4 1/2	5/16	5/16	5/16	4 1/2	5/16	Double	5 1/2	7/8	3 1/2	7/8	2 1/2	16 1/4	5/16	7 1/2	Full			
GARBOARD OR A STRAKE	5 1/2	5/16	3/8	5/16	5 1/2	5/16	"	5 1/2	7/8	3 1/2	"	2 1/2	16 1/4	5/16	7 1/2	Full			
State actual thickness in case of Double Bottom.	B	5 1/2	5/16	3/8	5 1/2	5/16	"	5 1/2	7/8	3 1/2	"	2 1/2	16 1/4	5/16	7 1/2	Full			
C	5 1/2	5/16	3/8	5/16	5 1/2	5/16	"	5 1/2	7/8	3 1/2	"	2 1/2	16 1/4	5/16	7 1/2	Full			
D	5 1/2	5/16	3/8	5/16	5 1/2	5/16	"	5 1/2	7/8	3 1/2	"	2 1/2	16 1/4	5/16	7 1/2	Full			
E	5 1/2	5/16	3/8	5/16	5 1/2	5/16	"	5 1/2	7/8	3 1/2	"	2 1/2	16 1/4	5/16	7 1/2	Full			
F	5 1/2	5/16	3/8	5/16	5 1/2	5/16	"	5 1/2	7/8	3 1/2	"	2 1/2	16 1/4	5/16	7 1/2	Full			
G	5 1/2	5/16	3/8	5/16	5 1/2	5/16	"	5 1/2	7/8	3 1/2	"	2 1/2	16 1/4	5/16	7 1/2	Full			
H	5 1/2	5/16	3/8	5/16	5 1/2	5/16	"	5 1/2	7/8	3 1/2	"	2 1/2	16 1/4	5/16	7 1/2	Full			
M.D. SHIP	5 1/2	5/16	3/8	5/16	5 1/2	5/16	"	5 1/2	7/8	3 1/2	"	2 1/2	16 1/4	5/16	7 1/2	Full			
R. & D.	5 1/2	5/16	3/8	5/16	5 1/2	5/16	"	5 1/2	7/8	3 1/2	"	2 1/2	16 1/4	5/16	7 1/2	Full			
J	5 1/2	5/16	3/8	5/16	5 1/2	5/16	"	5 1/2	7/8	3 1/2	"	2 1/2	16 1/4	5/16	7 1/2	Full			
K	5 1/2	5/16	3/8	5/16	5 1/2	5/16	"	5 1/2	7/8	3 1/2	"	2 1/2	16 1/4	5/16	7 1/2	Full			
L	5 1/2	5/16	3/8	5/16	5 1/2	5/16	"	5 1/2	7/8	3 1/2	"	2 1/2	16 1/4	5/16	7 1/2	Full			
M	5 1/2	5/16	3/8	5/16	5 1/2	5/16	"	5 1/2	7/8	3 1/2	"	2 1/2	16 1/4	5/16	7 1/2	Full			
N	5 1/2	5/16	3/8	5/16	5 1/2	5/16	"	5 1/2	7/8	3 1/2	"	2 1/2	16 1/4	5/16	7 1/2	Full			
O	5 1/2	5/16	3/8	5/16	5 1/2	5/16	"	5 1/2	7/8	3 1/2	"	2 1/2	16 1/4	5/16	7 1/2	Full			
P	5 1/2	5/16	3/8	5/16	5 1/2	5/16	"	5 1/2	7/8	3 1/2	"	2 1/2	16 1/4	5/16	7 1/2	Full			
Q	5 1/2	5/16	3/8	5/16	5 1/2	5/16	"	5 1/2	7/8	3 1/2	"	2 1/2	16 1/4	5/16	7 1/2	Full			
R	5 1/2	5/16	3/8	5/16	5 1/2	5/16	"	5 1/2	7/8	3 1/2	"	2 1/2	16 1/4	5/16	7 1/2	Full			
S	5 1/2	5/16	3/8	5/16	5 1/2	5/16	"	5 1/2	7/8	3 1/2	"	2 1/2	16 1/4	5/16	7 1/2	Full			
DOUBLING OF FLAT PLATE KEEL	Sheerstrakes: Doubled half length																		
POOP SIDES	2 1/2																		
SHORT BRIDGE SIDES	2 1/2																		
FORECASTLE SIDES	2 1/2																		

Where a long bridge is fitted the thickness of Upper Deck Sheerstrake and Strake below should also be stated clear of same.

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, Plating, &c.: *Donnan Steel Works, Port Talbot, Glamorgan, S. Wales*

Upper Deck (Butts, riveted for 1/2 length amidship. Stringer Plate (Straps, single or overlapped for 1/2 length amidship. Second Deck (Butts, riveted for 1/2 length amidship. Stringer Plate (Straps, single or overlapped for 1/2 length amidship. Butts of Side Stringers riveted. Tie Plates riveted. Inner Bottom Plating, riveting of Edges, riveted. Butts, riveted. Centre Girder Butts, riveted. Keelson Butts, riveted. Frames, riveted through Plates with 1/4 in. Rivets, about 5/8 apart. Rivets, state whether Iron or Steel 3/4 in. Rivets, about 5/8 apart.

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

FRAMES extend in length from *Foremast to Mainmast* to *M.D. & P.D.* State if ordinary or jagged *Yes*

REVERSED FRAMES on floors and frames extend from *Foremast to Mainmast* to *Foremast to Mainmast* State if ordinary or jagged *Yes*

MASTS, SPARS, &c.									
Masts, Spars, &c.	Material.	Total Length.	DIAMETER AND THICKNESS.			No. of Plates in Round.	ANGLES.	RIVETING.	
			At Partners.	Heel.	Head.			Number.	Size.
Foremast	Steel	49-9 1/2	17 1/4	11 1/2	13 1/4	2	Single	Full	
Mainmast	Steel	49-9 1/2	17 1/4	11 1/2	13 1/4	2	Single	Full	
Mizenmast	Steel	49-9 1/2	17 1/4	11 1/2	13 1/4	2	Single	Full	
Boomsprit	Steel	49-9 1/2	17 1/4	11 1/2	13 1/4	2	Single	Full	
Topmasts, Yards and Remainder of Spars	Steel	49-9 1/2	17 1/4	11 1/2	13 1/4	2	Single	Full	
Rigging, Material and Size, Shrouds	Steel	49-9 1/2	17 1/4	11 1/2	13 1/4	2	Single	Full	
Sails, Fore and Aft, Main and Mizzen	Steel	49-9 1/2	17 1/4	11 1/2	13 1/4	2	Single	Full	

Stays: *Steel 3 1/4*

EQUIPMENT NO. *11302* LETTER *M.D. & P.D.* ANCHORS. TONNAGE U.D. OR PLATING NO. FOR TRAWLERS

Number of Certificate.	Anchors.	WEIGHT, EX. STOCK		WEIGHT OF STOCK		TEST, PER CERTIFICATE		WEIGHT REQUIRED BY RULE		Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Cwts.	Qrs.	Cwts.	Qrs.	Tons.	Cwts.	Qrs.	Cwts.			
44278	1st Bower	24	14	24	14	24	14	24	14	24	14	24
44110	2nd "	23	2	23	2	23	2	23	2	23	2	23
44138	3rd "	23	2	23	2	23	2	23	2	23	2	23
44138	4th "	23	2	23	2	23	2	23	2	23	2	23
44297	Stream	6	0	6	0	6	0	6	0	6	0	6
44195	Kedge	3	0	3	0	3	0	3	0	3	0	3

CHAIN CABLES.										HAWSERS AND WARPS.									
Number of Certificate.	Length and size supplied.	Test per Certificate.	WEIGHT OF CHAIN CABLE.		Length and Size per Rule.	Description.	Makers of Cables.	Where and when tested, and Superintendent.	Material.	Length and Size supplied.	Breaking Test of Steel Wire Towline.	Length and Size per Rule.	Description.	Makers of Warps.	Where and when tested, and Superintendent.	Material.	Length and Size supplied.	Breaking Test of Steel Wire Towline.	Length and Size per Rule.
			Cwts.	Qrs.															
16282	210	17 1/2	37 1/2	55 1/2	210	17 1/2	37 1/2	55 1/2	210	17 1/2	37 1/2	55 1/2	210	17 1/2	37 1/2	55 1/2	210	17 1/2	37 1/2
60	3 1/4	26																	

Boats: *Four Lifeboats*

Pumps, Number: *Four*

Windlass is: *Emmerson Walker*

Engine Room Skylights.—How constructed? *Steel Plates & Angles*

What arrangements for deadlights in bad weather? *Flaps & Valves*

Coal Bunker Openings.—How constructed? *Steel Plates & Angles*

Number of Scuppers, and numbers and dimensions of Freeing Ports, &c.: *6 Scuppers*

Ceiling in Holds, thickness and material: *2 1/2 White Pine*

Cargo Hatchways.—How formed? *Steel Plates & Angles*

State size No. 1 Hatch (Forward): *32 x 15* No. 2 Hatch: *32 x 17* No. 3 Hatch: *32 x 17* No. 4 Hatch: *32 x 17*

Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch: *6 Web Plates*

No. of Breasthooks: *Three* No. of Crutches: *Two*

Bulwarks, height above deck and description: *Four Feet. Plate & Rail*

Main Rail, material and size: *Steel 6 x 3 1/2 x 1/2*

Builder's Signature (here only): *Charles Hillman*

Surveyor's Signature: *G. A. Dryden Tynes*

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) *5. 9. 13. 28. 5. 10. 24. 6. 13. 22. 5. 13. 13. 2. 14. 27. 8. 14. 8. 10. 14. 18. 3. 15. 23. 5. 15. 28. 5. 15*

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

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 facing surfaces? *Yes*

Do any rivets break into or through the seams or butts of the plating? *Very 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. 26, par. 20)? *Yes*

State results of tests: *Satisfactory*

Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)? *Yes*

State results of tests: *Satisfactory*

General Remarks (State quality of workmanship, &c.) *This vessel has been built under special survey in accordance with the approved plans & the Rules of the Society. The material & workmanship are good.*

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

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *11 1/2* ft., R.Q.D. *11 1/2* ft., Bridge *15* ft., Forecastle *34.25* ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated *Yes*

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) *One Deck Steel, One Tier of Beams. Machinery aft.*

Official No. *137457*; Signal Letters *JLHS* 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 *Cellular.*

Where Fitted.	Length.	Water Capacity.	Where Fitted.	Length.	Water Capacity.
Double bottom, aft.	<i>None</i>		Fore peak tank.	<i>Forward</i>	<i>20 ft 47.1</i>
Double bottom, under Engines and Boilers.	<i>None</i>		After peak tank.		
Double bottom, if under Engines only.			Deep tank, aft.		
Double bottom, if under Boilers only.			Deep tank, forward.		
Double bottom, forward.	<i>112</i>	<i>221.7</i>	Other tanks, if fitted.		
Total capacity of double bottom		<i>221.7</i>	(If necessary, furnish further information by sketch.)		

\* The wells are not to be included in the lengths of the tanks. State whether the above have been tested as required by the Rules. *Yes*

Order for Special Survey No. *1913 June 3-17-24 Aug 6-19 Sept 3-4-11-18-23-30 Oct 8-14-29 Nov 5-7-25-27 Dec 18-12-18, 1914 Jan 5-12-22-28 Feb 19 26-27 Mar 18-31 June 10 July 2-14 Aug 19-20 Sept 9-13-16-20-29 Oct 1-7-4-13 Nov 9-19-26 1915 Jan 13-26 March 2-4-24 April 8-9-15 26-27 May 4-14-17-20-26-27 June 2-17-14-16-18-19 Total No. of Visits 70*

Date *4. 5. 13*

No. *122* in builder's yard.

Amount of Entry Fee £ *3: 0: 0*

Special Survey Fee £ *49: 4: 0*

Travelling Expenses, if any £ *25/6*

Fees applied for, *1913 June 19/5*

Received by me, *25/6 1915 26/6/15*

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

Opinion of this Vessel should be Classed *FF 100 A 2*

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

Committee's Minute TUE. JUN. 29. 1915

Character assigned *100A1*

Surveyor to Lloyd's Register of British and Foreign Shipping. *G. A. Dryden Tynes*

Lloyd's & Co. P. *+ L.M.B. 6.15*

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