

# With or Without Disconnected Erections.

## STEEL STEAMER.

Received at London Office... THU. OCT. 17. 1918

Date of completion of report 12<sup>th</sup> October 1918  
Survey held at Belfast  
On the (State if Single, Twin, or Triple Screw) Single Screw Steamer "BRITISH BEACON"  
CLASS 100 A.I.  
Breadth (greatest moulded) 56.75  
Depth, at middle of length from top of keel to top of upper deck beams at side 33.58  
Transverse Number 90.33  
Length on deck from fore part of stem to after part of stern post 143.0  
Longitudinal Number 3884  
Depth "d," at middle of length (See Secs. 2 & 13) 24.33  
Proportions—Depth to Length—Upper Deck Beam at side to top of keel 12.8  
" " Long Bridge Deck Beam at side to top of keel  
Master O. A. BARRAND  
Year of appointment (1) As Master in service of owner of present vessel: 1918  
(2) As Master of this vessel: 1918  
Built at Belfast  
When built 1918 - 10 months Launched 7<sup>th</sup> Sept. 1918  
By whom built Workman Clark & Co.  
Owners The Shipping Controller  
Managers British Tanker Co. Ld.  
(Where necessary to be entered in Reg. Book.)  
Residence  
Port belonging to London  
If Surveyed while Building, Afloat, or in Dry Dock Yes

FEET.	INCHES.	BREADTH—	FEET.	INCHES.	DEPTH, ACTUAL—	FEET.	INCHES.	No. of Decks with flat laid
430	0	Moulded	56	9	Top of Floors to top of Upper Dk. Beams	33	32	2
					Do. do. do. do. Second Dk. Beams	24	7	2
Moulded depth, ft. ins. To Bridge Dk. Round of Upper 13 ins.								
Moulded depth, ft. 33 ins. 7 To Upper Dk. Dk. Beam, Actual								
FRAMING.						PILLARS.		
ME, Angles, or [ or ] Bars amidships						PILLARS In 'tween Deck, size and spacing		
in peaks						" " Hold		
in way of Double Bottoms at Solid Floors						" " Quarter 'tween Dks.,		
" " at intermdt. Bkts.						" " in Hold		
ing of Frames from centre to centre amidships						KEELSONS & STRINGERS.		
" " from 1 }						CENTRE LINE KEELSON, Vertical Plate above		
" " length to Collision bulkhead						" " Rider Plate		
" " in peaks						" " Flat Plate Keel Angles		
ERSED FRAME, Angles						" " Horizontal Plates on Floors		
in way of Double Bottoms at Solid Floors						" " Angles or Bulb Angles		
" " at intermdt. Bkts.						SIDE KEELSONS, Number		
MING, depth of girder						" " Angles or Bulb Angles		
ORS, depth and thickness of Floor Plate						" " Plate above floors, for length		
at mid-line for 1/2 length amidships						" " Intercoastal Plate, for length		
in way of Engine and Boiler Spaces						" " Attached to outside Plating with Angle		
thickness at the ends of vessel						BILGE KEELSON, Angles		
depth at 1/2 the half breadth, as per Rule						" " Intercoastal Plate for length		
height extended at the Bilges						" " Attached to outside Plating with Angle		
ORS in Cell. Double Bottoms						SIDE STRINGERS, Number		
state if flanged (top & bottom)						" " Angle		
Spacing of Solid floors						" " Intercoastal Plate, for length		
" " to Floors						" " Attached to outside plating with Angle		
RE GIRDER, in Dbl. bottom, dpth. & thkness						Upper Deck Stringer Plate, br'dth & thickness		
Angles, Top						" " (clear of Bridge)		
" " Bottom						" " br'dth & thickness		
" " to Floors						" " (in way of Bridge)		
Brackets at intermdt. frmg., wdth & thkness						" " Angle (clear of Bridge)		
GIRDERS, number on each side & thickness						" " Tie Plate at sides of Hatchways		
state if flanged (top and bottom)						" " Deck. * Iron or Steel, for Full lng.		
Angles (top and bottom)						" " Thickness (clear of Bridge)		
" " to Floors						" " (in way of Bridge)		
SIN PLATE, depth (exclusive of flange)						" " Wood Deck. Material & thickness		
and thickness						Second Deck Stringer Plate, br'dth & thickness		
Angle to Outside Plating						" " Angles on ditto, No.		
" " Floors						" " Tie Plates outside Hatchways		
Brackets at intermdt. frmg., wdth & thkness						" " Deck. * Iron or Steel, for Full lng.		
Height of Outside Brackets above at bilge						" " Wood Deck. Material & thickness		
BOTTOM PLATING, breadth and thickness of Middle Line Strake						Third Deck Stringer Plate, br'dth & thickness		
" " in Engine and Boiler space						" " Angles on ditto, No.		
" " Remainder in Holds						" " Tie Plates, outside Hatchways		
S, Upper Deck, Single Angle, Bulb						" " Deck. * Material and thickness		
Angle, Plate, Tee Bulb, or Channel						Fourth and Fifth Deck Stringer Plate, breadth & thickness		
In way of Long Bridge						" " Angles on ditto, No.		
Spacing						" " Tie Plates outside Hatchways		
S, Second Deck, Single Angle, Bulb						" " Deck. Material & thickness		
Angle, Plate, Tee Bulb, or Channel						Poop Deck Stringer Plate, breadth & thickness		
Spacing						" " Angle on ditto		
BEAMS, Third and Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel						" " Tie Plates		
Angles on upper edge						" " Deck. Material and thickness		
Spacing						Bridge Deck Stringer Plate, br'dth & thickness		
BEAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel						" " Angle on ditto		
Angles on upper edge						" " Tie Plates		
Spacing						" " Deck. Material and thickness		
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel						Forecastle Deck Stringer Plate, br'dth & th'kness		
Angles on upper edge						" " Angle on ditto		
Spacing						" " Tie Plates		
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel						" " Deck. Material and thickness		
Angles on upper edge								
Spacing								

\* If Iron or Steel Deck, state if whole or part, and if Wood Deck is laid thereon.



[illegible]

EQUIPMENT No. 40350										LETTER at										ANCHORS.										TONNAGE U.K. OR PLATING No. FOR TRAWLERS									
Number of Certificate.		Anchors.		WEIGHT, EX STOCK			WEIGHT OF STOCK			TEST, PER CERTIFICATE			WEIGHT REQUIRED BY TABLE 31.			Description of Anchor			Makers.		Where and when tested and Superintendent.																		
				Owts.	qrs.	lbs.	Owts.	qrs.	lbs.	Tons.	owts.	qrs.	lbs.	Owts.	qrs.	lbs.																							
12745		1st Bower		69	0	14	53	6	0	0	68	0	0	68	0	0	Byres type		S. Taylor & Co. Ltd.		Cff. 10.4.18 Penn																		
12746		2nd "		68	3	14	53	2	0	0	68	0	0	68	0	0	do		do		do																		
12749		3rd "		58	3	21	47	14	0	0	58	2	0	58	2	0	do		do		do																		
		4th "																																					
		Collective weight.		196	3	21					194	2	0																										
22820		Stream		19	3	0	5	1	0	20	10	2	14	19	0	0	Rodgers		S. Taylor & Co. Ltd.		SLO 4.4.18 Haffner																		
22821		Kedge		8	1	7	2	0	14	10	10	0	0	8	0	0	do		do		do																		
Particulars of Drop Test of Cast Steel Anchors, viz. :— Weight, Surveyor's Initials, Number of Certificate, Date of Test.																																							
1st Bower 44.2.0, H.C. 1595, 13 Feb. 1918 2nd " 44.1.0 H.C. 1558, 26 Jan. 1918 3rd " 38.2.0 R.M.D. 1823, 31.3.15 17* Oct 1917 4th "																																							
CHAIN CABLES.															HAWSERS AND WARPS.																								
Number of Certificate.		Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE.		Length and size per Table 31.		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 31.																	
		Length.	Diam.	Statio- Break- ing.	Supplied.	Per Rule.	Length.	Diam.	Length.	Diam.							Material.	Length.	Size.	Test of Steel Wire.	Length.	Size.																	
		Fathoms.	Inch.	Tons.	Owts.	qrs.	lbs.	Owts.	qrs.	lbs.	Fathoms.	Inch.							Fathoms.	Inch.	Fathoms.	Inch.																	
11177		210	2 1/2	96 1/2	134 1/2	569.2.14	560.2.13	210	2 1/2	Steel	S. Taylor & Co. Ltd.	Sed. 22.3.18 Haffner					TOWLINE SW 120 3/4 129																						
																	HAWSERS & WARPS 90 3/4 15 1/2																						
Stream		90	5	59				90	5	Steel	W.B. Brown & Co.	May 14. 1918					SW 90 3/4 15 1/2																						
Boats 2 Steel & 2 Wood lifeboats Pumps, Number One 6 fore peak Windlass is Steam by Clark Chapman Engine Room Skylights. How constructed? Steel Coal Bunker Openings. How constructed? Steel Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. Scuppers 14 on each side Freeing Port 10 each side 36" x 15" O Ceiling in Hold, thickness and material under hatch 2 1/2 in. w. Cargo Battens, thickness and material none fitted Cargo Hatchways. How formed? Steel State size No. 1 Hatch (Forward) 8' x 12-0 No. 2 Hatch 6' x 6' No. 3 Hatch 8' x 10-0 with No. 4 Hatch 6' x 6' oil hatch on top Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch One I web in No. 1 6' x 6' oil hatch on top Bulwarks, height above deck and description. Steel 3'-6 Main Rail, material and size 6' x 3 1/2 x 1/40 bulb angle The foregoing is a correct description. Builder's Signature (here only) W. Stachan Surveyor's Signature J.M. Shewna Correspondence.—State dates and initials of letters respecting this case (Reference should be made in any correspondence connected with the case) March 25. 1917 to June 27. 1918 M.E. & P.M.S. 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 where fitted 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. 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.) Workmanship Good This vessel has been built in accordance with the approved plans The Secretary's letters of the above dates and in conformity with the Rules for the Class contemplated. The oil fuel tanks and the Cofferdams have been tested has required by the Rules																																							
Local Vessel SPS British Lantern Ref. Ref. No. 7999 The Surveyor should state the Number of Report and Name of any Sister Vessel. Plans to be forwarded with P.E. Report showing vessel as built. The amount of Entry Fee... Special Fee 28/10/1918 Special Survey Fee... 570.16.6 Travelling Expenses, if any £ : : Fees applied for from London Office Received by me, 103 1919 R.M.L. Certificate to be sent to His office Date of issue 22.10.18 State whether the Vessel has been built under Special Survey Yes I am of opinion this Vessel should be Classed 1st 100 R.I. Carrying Petroleum in Bulk With, or without Freeboard, as condition of Class Without Committee's Minute Character assigned 100A1 Carrying petroleum in bulk Lloyd's W.B.P. + Lmb 10.18. F. Filed for oil fuel 10.18 above 150.2. Lloyd's R. Foundat.																																							



# PARTICULARS OF LONGITUDINAL FRAMING.

GENERAL FRAMING.		AMIDSHIPS.			ENDS.			AMIDSHIPS.			ENDS.			RIVETING.		Rivets in Brackets to Bulkheads.			
		In Ship.			In Ship.			Per Rule or as approved.			Per Rule or as approved.			Spacing of Rivets on each side of Transverses and Bulkheads.		Number.			
		Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.		
Framing of $\frac{1}{4}$ , L or C+E.....																			
Frames in Bridge 'tween Decks...																			
Frames from Uppermost Continuous Deck																			
Framing from Awning, Shelter or Upper Deck to Margin Plate.		No. 1	8	3 1/2	40	A 6	3 1/2	40	8	3 1/2	40	A 6	3 1/2	40	7/8	5 1/4	8	7/8	
		" 2	8	3 1/2	40	A 6	3 1/2	40	8	3 1/2	40	A 6	3 1/2	40					
		" 3	9	3 1/2	44	A 8	3 1/2	44	9	3 1/2	44	A 8	3 1/2	44			10		
		" 4	9	3 1/2	46	A 8	3 1/2	44	9	3 1/2	46	A 8	3 1/2	44			11		
		" 5	10	3 1/2	46	A 8	3 1/2	46	10	3 1/2	44	A 10	3 1/2	44	4" for 12 rivets				
		" 6	10	3 1/2	50	A 9	3 1/2	44	10	3 1/2	50	A 10	3 1/2	40					
		" 7	11	3 1/2	50	A 9	3 1/2	44	11	3 1/2	48	A 9	3 1/2	48			12		
		" 8	11	3 1/2	52	A 10	3 1/2	46	11	3 1/2	52	A 10	3 1/2	46	3 1/2" for 12 rivets				
		" 9	11	3 1/2	58	A 10	3 1/2	46	11	3 1/2	58	A 11	3 1/2	48					
		" 10	11	3 1/2	64	A 11	3 1/2	50	11	3 1/2	64	A 11	3 1/2	44					
		" 11	12	4	64	A 11	3 1/2	52 L	12	4	62 1/2	A 11	3 1/2	52 L	3 1/2" for 12 Riv. at Bldg.			16	
		" 12	15	4	62 1/2	A 11	3 1/2	50 L	15	4	62 1/2	A 11	3 1/2	48 L	4" for 12 Riv. at Trans.				
		" 13	17	4	62 1/2	A 12	3 1/2	52 L	17	4	62 1/2	A 12	3 1/2	48 L			12	13	
		" 14	17	4	62 1/2	A 12	3 1/2	52 L	17	4	62 1/2	A 12	3 1/2	48 L			14	15	
		Spacing of Longitudinal Frames		Amidships ..... At Ends .....															
		Double Bottoms		Tank Top Longitudinals															
Bottom		8 3 46																	
Spacing of Longitudinals		Amidships ..... At Ends .....																	
Transverses.																			
In Bridge		Depth and Thickness																	
'tween Decks		Face Angles																	
		Lugs to Shell																	
In Awning, Shelter or Upper 'tween Decks.		Depth and Thickness																	
		Face Angles																	
		Lugs to Shell																	
In Hold.		Depth and Thickness																	
		Face Angles																	
		Lugs to Shell																	
		Brackets																	
Spacing of Transverse Frames		Joggled																	
Longitudinal Beams of $\frac{1}{4}$ , L or C		Bridge Deck ... Awg. or Shldr. Dk. Upper Second Third																	
		8 3 40 6 3 37 1/2 8 3 37 1/2 A 5 1/2 x 3 - 36 F 5 1/2 x 3 - 36 30 x 28 1/2 A 6 x 3 - 34 F 6 x 3 - 34 30 x 31 F 8 x 3 - 40																	
		U.D. Transverse Beams. 11 x 40 4 1/2 x 44 5" flange 20 x 40 6 x 4 x 7/8 20 x 40 6 x 4 x 7/8																	

The particulars of framing in peaks (if ordinary), Floors, Centre Girder, Side Girders and Margin Plate and their angle attachments, etc., to be entered in their respective places provided for on the Report Forms.

NOTE:—This slip to be pasted on the fourth page of the Report, and reference to same to be made under framing, etc., on the first page.

200,612.—T.

**PARTICULARS FOR RECORD in the REGISTER BOOK.**—Length of Poop 99 ft., R.Q.D. ✓ ft., Bridge 33 ft., Forecastle 56 ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated

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 and should appear in the Register Book) 2 decks Steel

Official No. 142670; Signal Letters

State if Machinery is fitted aft Yes

How are the surfaces preserved from oxidation? Inside Paint. Bitumastic or cement. Outside Paint. Bitumastic or cement.

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 Cap. Tons.
Double bottom, aft,			Fore peak tank,		164
Double bottom, under Engines and Boilers,			After peak tank,		60
Double bottom, if under Engines only,			Deep tank, aft,		64
Double bottom, if under Boilers only, <i>Boilers Feed</i>	<i>34.4</i>	<i>107</i>	Deep tank, forward, <i>oil fuel or Water Ballast.</i>		
Double bottom, forward,			Other tanks, if fitted,		
	Total capacity of double bottom	<i>107</i>	(If necessary, furnish further information by sketch.)		
			State whether the above have been tested as required by the Rules <i>Yes</i>		

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

Order for Special Survey No. 613

Date 5.3.17

No. 425 in builder's yard.

Dates of Surveys held while building

1917 June 11, 13, July 5, 26, 31, Aug 3, 8, 28, Sep 4, 6, 17, 25, Oct 15, 16, 19, 24, 25, 29, Nov. 2, 6, 12, 27, Dec. 4, 7, 13, 17, 20, 31, 1918 Jan. 2, 3, 8, 11, 14, 16, 21, 25, 29, 31, Feb. 1, 4, 8, 13, 18, 19, 20, 21, 27, 28, 6, 7, 11, 14, 20, 21, 26, 28, 29, Apr. 8, 11, 12, 13, 16, 19, 22, May 1, 3, 8, 10, 13, 14, 18, 27, June 10, 13, 15, 19, 25, 27, July 3, 11, 23, 27, Aug 2, 20, 21, 22, 23, 25, 26, 27, 28, Sep 2, 3, 4, 5, 6, 7, 12, 18, 19, 20, 23, 24, 26, 27, 30, Oct. 3, 4, 5, 7, 8, 9, 11.

Total No. of Visits 119

Surveyor's Signature

Lloyd's Register Foundation