

With or Without Disconnected Erections.

STEEL STEAMER.

Received at London Office...

TUE 1 JAN 1918

Date of completion of report 31 DEC 1917

State if Report is also sent on the Machinery of the Vessel *Yes*

Survey held at *Sunderland*

Port of *Sunderland*

Date, First Survey *28 Sept. 16*

Last Survey

No. *27130*
28 Decr. 1917

On the (State if Single, Twin, or Triple Screw)

S.S. "SUNNIVA"

Rig

TONNAGE under Tonnage Deck...

CLASS *100A.1*

FEET.

Master *W. M. Pepperell*

Year of appointment

Built at *Sunderland*

When built *1914* Launched *16 Decr. 1917*

By whom built *John Brown & Sons Ltd.*

Owners *Essex Navigation*

Managers *do.*

Residence *Newcastle-on-Tyne*

Port belonging to *Newcastle-on-Tyne*

Do. between Tonnage Dk. and 3rd and 4th Dk. *51.33*
Do. of Poop *104.93*
Do. of R.Q. Dk. *83.62*
Do. of Bridge House *38.06*
Do. of Forecastle *46.50*
Do. of Houses on Dk. *65.89*
Do. of excess of Hatchways above Crown of Engine Room *20.94*
Gross Tonnage *1912.88*
Less Crew Space *93.94*
Less above Crown of Engine Room *20.94*
TONNAGE FOR FEES *1494.94*
Less Engine Room *612.12*
Less Navigation Spaces *99.50*
Register Tonnage *1104.29*

Breadth (greatest moulded) *37.66*
Depth, at middle of length from top of keel to top of upper deck beams at side *19.75*
Transverse Number *57.41*
Length on deck from fore part of stem to after part of stern post *267.85*
Longitudinal Number *15377*
Depth "d," at middle of length (See Secs. 2 & 13) *20.58*
Proportions—Depths to Length—Upper Deck Beam at side to top of keel *13.56*
Long Bridge Deck Beam at side to top of keel *11.39*

Destined Voyage

If Surveyed while Building, Afloat, or in Dry Dock *Yes*

LENGTH on Deck as per Rule	Feet.	Inches.	BREADTH Moulded	Feet.	Inches.	DEPTH, ACTUAL—Top of Floors to top of Upper Dk. Beams	Feet.	Inches.	No. of Decks with flat laid	No. of Tiers of Beams
<i>267</i>	<i>10 1/4</i>		<i>37</i>	<i>8</i>		<i>17</i>	<i>8</i>		<i>one</i>	<i>one</i>

Dimensions of Ship per Register. Length *268.0* breadth *37.9* depth *17.6*

FRAMING.						PILLARS.					
FRAME, Angles, or E or L Bars amidships						In 'tween Deck, size and spacing					
Do. in peaks						Hold					
Do. in way of Double Bottoms at Solid Floors						Quarter 'tween Dks.					
at intermdt. Bkts.						in-Hold					
Spacing of Frames from centre to centre amidships						KEELSONS & STRINGERS.					
length to Collision bulkhead						CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate					
in peaks						Rider Plate					
REVERSED FRAME, Angles						Flat Plate Keel Angles					
Do. in way of Double Bottoms at Solid Floors						Horizontal Plates on Floors					
at intermdt. Bkts.						Angles or Bulb Angles					
FRAMING, depth of girder						SIDE KEELSONS, Number					
FLOORS, depth and thickness of Floor Plate at mid-line for length amidships						Angles or Bulb Angles					
in way of Engine and Boiler Spaces						Plate above floors, for length					
thickness at the ends of vessel						Intercoastal Plate, for length					
depth at the half breadth, as per Rule						Attached to outside Plating with Angle					
height extended at the Bilges						BILGE KEELSON, Angles					
FLOORS in Cell. Double Bottoms						Intercoastal Plate for length					
state if flanged (top & bottom)						Attached to outside Plating with Angle					
Spacing of Solid floors						SIDE STRINGERS, Number					
CENTRE GIRDER, in Dbl. bottom, dpth. & thknss.						Angle					
Angles, Top						Intercoastal Plate, for length					
Bottom						Attached to outside plating with Angle					
to Floors						Upper Deck Stringer Plate, br'dth & thickness (clear of Bridge)					
Brackets at intermdt. frmg., wdth & thknss						br'dth & thickness (in way of Bridge)					
SIDE GIRDERS, number on each side & thickness						Angle (clear of Bridge)					
state if flanged (top and bottom)						Tie Plate at sides of Hatchways					
Angles (top and bottom)						Deck, Iron or Steel, for full lng.					
to Floors						Thickness (clear of Bridge)					
MARGIN PLATE, depth (exclusive of flange) and thickness						(in way of Bridge)					
Angle to Outside Plating						Wood Deck, Material & thickness					
Floors						Second Deck Stringer Plate, br'dth & thickness					
Brackets at intermdt. frmg., wdth & thknss						Angles on ditto, No.					
Height of Outside Brackets above at bilge						Tie Plates outside Hatchways					
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake						Deck, Iron or Steel, for full lng.					
in Engine and Boiler space						Wood Deck, Material & thickness					
Remainder in Holds						Third Deck Stringer Plate, br'dth & thickness					
BEAMS, Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel						Angles on ditto, No.					
In way of Long Bridge						Tie Plates, outside Hatchways					
Spacing						Deck, Material and thickness					
BEAMS, Second Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel						Fourth and Fifth Deck Stringer Plate, breadth & thickness					
Spacing						Angles on ditto, No.					
BEAMS, Third and Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel						Tie Plates outside Hatchways					
Angles on upper edge						Deck, Material & thickness					
Spacing						Poop Deck Stringer Plate, breadth & 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						Bridge Deck Stringer Plate, br'dth & thickness					
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						Forecastle Deck Stringer Plate, br'dth & th'kns					
Spacing						Angle on ditto					
						Tie Plates					
						Deck, Material and thickness					

EQUIPMENT No. 16381.				LETTER 9.				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.								
		Cwts.	qrs.	Lbs.	Cwts.	qrs.	Lbs.	Total.	cwts.			qrs.	Lbs.	Length.	Per Table 31.					
21675	1st Bower	33	2	7	Stocklen	31	6	3	14	33	0	0	Stocklen	S Taylor & Co Ltd	10/4/17	K. Chapman				
21673	2nd "	33	2	7	do	31	6	3	14	33	0	0	do	do	do	do				
21676	3rd "	28	2	7	do	27	11	3	14	28	0	0	do	do	11/4/17	do				
	4th "																			
	Collective weight.	95	2	21						94	0	0								
21721	Stream	18	3	0	2	0	21	10	17	2	0	8	2	0	Imp'd	S Taylor & Co Ltd	10/4/17	K. Chapman		
21720	Kedge	4	3	0	1	1	0	7	2	2	0	4	2	0	do	do	do	do		
Particulars of Drop Test of Cast Steel Anchors, viz. — Weight, Surveyor's Initials, Number of Certificate, Date of Test.														1st Bower	W. Keenwith	21-3-21.	Shank 10-3-14.	W.C.	21675,	10/4/17.
														2nd "	do	21-2-21.	do 11-0-14.	W.C.	21673,	10/4/17.
														3rd "	do	19-0-21.	do 8-2-14.	B.W.	21676,	11/4/17.
														4th "						
CHAIN CABLES.														HAWSETERS AND WARPS.						
Number of Certificate.	Length and size supplied.		Test per Certificate. Status.	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 Towline.	Length and Size per Table 31.						
	Fathoms.	Diam.		Cwts.	qrs.						Lbs.	Fathoms.			Diam.	Length.	Str.	Length.	Str.	
10571	240	1 1/2"	514	71	3/4	344-3-0	344-2-22	4x0	10%	Mud Naylor & Son Ltd	Lidled 7/10/17	Hawsters & Warps	2	90	2 1/2"	9 1/2"	(2) 90	2 1/2"	13 1/4"	
Boats 3 Straitsford.														Steering Gear, Steam		yes	Steering Gear, Hand		yes	
Pumps, Number 1 Downton 1 Land														Diameter of Barrel 5" x 2 1/2"			State whether they are in efficient working order		yes	
Windlass is Steam by Emerson Walker Thompson Bros.														Capstan		✓				
Engine Room Skylights.—How constructed? Steel plates abars														What arrangements for deadlights in bad weather?		Bullseyes hinged all flap				
Coal Bunker Openings.—How constructed? do do														How are lids secured? chato, battens etc		Height above deck?		30"		
Number of Scupper, and numbers and dimensions of Freeing Ports, &c.														Four ports 3'-0" x 1'-11"		Y scupper (new)				
Ceiling in Holds, thickness and material.														Cargo Battens, thickness and material		not fitted		X		
Cargo Hatchways.—How formed? Steel plates abars														Hatches, If strong and efficient?		yes				
State size No. 1 Hatch (Forward) 29' 4 1/2" x 18'-0"														No. 2 Hatch 32' 5" x 18'		No. 3 Hatch 29' 4 1/2" x 18'		No. 4 Hatch 29' 5" x 18'		
Number of Web Plates, Stringers, &c., properly shifted and strapped or overlapped? yes														2 to No 1. 3 & 4, 3 to No 2.		3 fore rafters to rail bar				
Bulwarks, height above deck and description														Main Rail, material and size.		5 1/2" x 3" x 34 lbs				
The foregoing is a correct description.														Surveyor's Signature		A Pickworth		R.D. Clave		
Builder's Signature (here only) H. Crowe Director.														Surveyor to Lloyd's Register of Shipping.						
Correspondence.—State dates and initials of letters respecting this case (Reference should be made in any correspondence connected with the case) M 4.4.16, 18.4.16, E 25.4.16																				
Workmanship. Are the butts of plating planed or otherwise fitted? planed and overlapped																				
Is the riveted work properly closed? yes																				
Are the liners between the frames and plates solid single pieces? joggled plating														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				
Are the butts of Plating, Stringers, &c., properly shifted and strapped or overlapped? yes														Do any rivets break into or through the seams or butts of the plating? after						
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 in accordance with the approved plans the Secretary's letters as dated above and in compliance with the requirements of the Rules.																				
The materials and workmanship are good.</																				

W789-00692

GENERAL REMARKS—(continued).

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 24.08 ft., R.Q.D. 52.25 ft., Bridge 50.9 ft., Forecastle 30.3 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 as should appear in the Register Book) 1 Deck (Stl.) well deck
 Official No. 140704 ; Signal Letters
 State if Machinery is fitted aft No
 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. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	86.2	135.5	Fore peak tank,	19.75	104.75
Double bottom, under Engines and Boilers,			After peak tank,	17.6	100.0
Double bottom, if under Engines only,	17.6	42.25	Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	103.8	211.75	Other tanks, if fitted,		
Total capacity of double bottom		389.5	(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. 5257

Date 22.9.16

No. 164 in builder's yard.

DATES of Surveys held while building

1916. Sep 28. Oct 4. 9. 16. 24. 30. Nov. 6. 14. 21. 27. Dec. 1. 12. 18. Jan. 6. 19. 23. 30. Feb. 13. 19. 27
 Mar. 1. 8. 14. 19. 27. Apr. 5. 13. 16. 17. 18. 20. 23. 25. 30. May 4. 11. 16. 18. 23. Jun 1. 7. 13. 14. 15.
 Jul 5. 11. 20. 26. 31. Aug 10. 17. 21. 22. 28. Sep 6. 8. 11. 12. 14. 18. 19. 25. 26. Oct 8. 11. 12. 15. Dec. 7. 13. 18. 21.

Surveyor's Signature

A. P. Keworth

Total No. of Visits 74

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