

# Awning or Shelter Deck, WRECK SECTION STEEL STEAMER.

or Pt. Awning Deck. No. 7824

Port of Belfast Date of completion of Report 9th July 1917 Received at London Office  
Survey held at Belfast Date, First Survey October 2nd 1914 Last Survey 4th July 1917  
On the (State if Single, Twin, or Triple Screw) Steel twin screw geared turbine MAHANA Rig 2 masts no sail

TONNAGE under Tonnage Deck... 7888.69  
Do. between Tonnage Dk. and 2nd, 4th, or 6th Dk. 1236.31  
Total under Upper Dk. 10252.98  
Do. of Poop  
Do. of R. Qr. Dk.  
Do. of Bridge House 857.69  
Do. of Forecastle 71.93  
Do. of Houses on Deck 442.33  
Do. of excess of Hatchways 2.21  
Do. above Crown of Engine Room 169.26  
Gross Tonnage 11796.37  
Less Crew Space 427.37  
Less above Crown of Engine Room 169.26  
Net Tonnage 11199.74  
Net Tonnage for Fees... 11199.74  
Engine Room 3774.84  
Navigation Spaces 105.97

CLASS 100 A1 Shell deck  
Breadth (greatest moulded) 63.0  
Depth, at middle of length from top of keel to top of beams at side of uppermost Continuous Deck 43.0  
Deduct height of 'tween deck when this does not exceed 8ft. 8.0  
Transverse Number 98.0  
Length on deck from fore part of stem to after part of sternpost 500.0  
Longitudinal Number 49000  
Depth "d" at middle of length. See Secs. 2 & 13... 18.96  
Proportions, Depths to Length, Uppermost Continuous Deck at side to top of keel 14.4  
" " Upper Deck at side to top of keel 11.6

Master F. Greene  
Year of Appointment (1) As Master in service of owner of present vessel: 1914 (2) As Master of this vessel: 1917  
Built at Belfast  
When built 1917 Launched 10th Jan 1917  
By whom built Workman Clark & Co. Ltd.  
Owners Shaw Savill & Albion Co.  
Managers (Where necessary to be entered in Reg. Book.)  
Residence  
Port belonging to Southampton

Destined Voyage to New Zealand If Surveyed while Building, Afloat, or in Dry Dock Yes  
Length 500.9 breadth 63.36 depth 31.15 Upper Deck. Moulded depth, ft. 43 ins. 0 To Awning or Shelter Dk. Round up of Uppermost Dk. Beam, Actual 11 ins  
Moulded depth, ft. 34 ins. 6 To Upper Dk.

FRAMING.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.
ME, Angles, or <u>or</u> Bars, amidships	9x3 1/2 x 3 1/2	4x4 1/2	9x3 1/2 x 3 1/2	4x4 1/2	9x3 1/2 x 3 1/2	4x4 1/2
in peaks	7 3 1/2	42	7 3 1/2	42	7 3 1/2	42
in way of Double Bottoms at Solid Floors	4 3 1/2	50	3 1/2	3 1/2	50	
" " at intermdt. Bkts.						
ing of Frames from centre to centre amidships	28 1/2		28 1/2			
length to collision bulkhead	27		27			
of Frames from centre to centre in peaks	24		24			
ERSED FRAME, Angles. 70. Second Dk.	3 1/2	3 1/2	46	3 1/2	3 1/2	46
in way of Double bottoms at Solid Floors	3 1/2	3 1/2	50	3 1/2	3 1/2	50
" " at intermdt. Bkts.						
ING, depth of girder	9 1/2	7	9 1/2	7	9 1/2	7
ORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships						
in way of Engine and Boiler spaces						
thickness at the ends of vessel						
depth at 1/2 the half-bdth. as per Rule						
height extended at the Bilges						
ORS, in Cell Double Bottoms		46		46		
state if flanged (top and bottom)	20		20			
spacing of Solid	28 1/2		28 1/2			
RE GIRDER, in Dbl. bottom, dpth. & thcknss	49	62	49	62		
" Angles, Top	3 1/2	3 1/2	58	3 1/2	3 1/2	58
" " Bottom	5	5	62	5	5	62
" " to Floors	6	6	58	6	6	58
Brackets at intermdt. frmg., wdth & thcknss						
GIRDERS, number and thickness (3)		46		46		
" state if flanged (top & bottom)	20		20			
Angles	1 1/2	3 1/2	46	1 1/2	3 1/2	46
IN PLATE, depth (exclusive of flange) and thickness	39	54	39	54		
Angles to outside plating	4	4	54	4	4	54
" to floors	3 1/2	3 1/2	50	3 1/2	3 1/2	50
Brackets at intermdt. frmg., wdth & thcknss						
Height of Brackets above at bilge	31	above margin	31			
BOTTOM PLATING, breadth and thickness of Middle Line Strake	49	58	49	58		
" thickness in Engine and Boiler space	E 56	B 87	E 56	B 87		
" " Remainder in Holds		46		46		
S, Awning or Shltr Dk, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel	8x3 1/2 x 3 1/2	44	8x3 1/2 x 3 1/2	44		
spacing	8x3 1/2 x 3 1/2	52	8x3 1/2 x 3 1/2	52		
S, Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel	8x3 1/2 x 3 1/2	54	8x3 1/2 x 3 1/2	54		
spacing	8x3 1/2 x 3 1/2	54	8x3 1/2 x 3 1/2	54		
S, Second, Third & Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel	9x4x4x4	56	9x4x4x4	56		
spacing	9x4x4x4	56	9x4x4x4	56		
S, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel						
Angles on upper edge						
Spacing						
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel	8x3 1/2 x 3 1/2	42	8x3 1/2 x 3 1/2	42		
Angles on upper edge						
Spacing						
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel	12x3 1/2 x 3 1/2	60	12x3 1/2 x 3 1/2	60		
Angles on upper edge						
Spacing	54x48		54x48			

PILLARS.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.
PILLARS, In 'tween Deck, size and spacing	Two rows of 7					
" " Hold						
" Quarter, 'tween Dks., "						
" " in Hold						
KEELSONS AND STRINGERS.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.
CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercostal Plate						
" Rider Plate						
" Flat Keel Plate Angles						
" Horizontal Plates on Floors						
" Angles or Bulb Angles						
SIDE KEELSONS, Number						
" Angles or Bulb Angles						
" Plate above floors, for length						
" Intercostal Plate, for length						
" Attached to outside plating with Angle						
BILGE KEELSON, Angles						
" Intercostal Plate, for length						
" Attached to outside plating with Angle						
SIDE STRINGERS, Number 3 including one in 'tween decks	7	3 1/2	54	7	3 1/2	54
" " Angle						
" " Intercostal Plate, for full lng.		46		46		
" Attached to outside plating with Angle	3 1/2	3 1/2	46	3 1/2	3 1/2	46
Awning or Shelter Deck Stringer Plates, breadth and thickness	72	82	66	75		
" Angle on ditto	5x5	68	5x5	68		
" Tie Plates, fore and aft, outside Hatchways	4x4	52	4x4	52		
" Deck * Iron or Steel, for full lng.		48		48		
" Wood Deck, Material & thickness except under bridge	3 1/2	P.P.	3 1/2			
Upper Deck Stringer Plate, breadth and thickness. in way of bridge	55	52	51	52		
" Angles on ditto, No.	4x4	52	4x4	52		
" Tie Plates, outside Hatchways						
" Deck * Iron or Steel, for full lng. in way of bridge		42		42		
" Wood Deck, Material & thickness		36		36		
Second Deck Stringer Plates, br'dth & thckn's	65	46	51	46		
" Angles on ditto, No.	4x4	52	4x4	52		
" Tie Plates, outside Hatchways						
" Deck * Material and thickness Steel		36		36		
Third, Fourth & Fifth Deck Stringer Plate, breadth and thickness						
" Angles on ditto, No.						
" Tie Plates, outside Hatchways						
" Deck. Material and thickness						
Poop Deck Stringer Plate, breadth & thickness						
" Angles on ditto						
" Tie Plates						
" Deck. Material and thickness						
Bridge Deck Stringer Plate, br'dth & thickness	69	56	64	56		
" Angle on ditto	5x5	68	5x5	68		
" Tie Plates	Shank's with 3 P.P.					
" Deck. Material and thickness Steel		53		46		
Forecastle Deck Stringer Plate, br'dth & th'kns	45	38	39	38		
" Angle on ditto	3 1/2 x 3 1/2	38	3 1/2 x 3 1/2	38		
" Tie Plates (Plated under windlass)	20 1/2 x 1	38	10	38		
" Deck. Material and thickness	3 1/2 P.P.	35	P.P.			



[illegible]

EQUIPMENT No. 54-1565 LETTER ft										ANCHORS.									
Number of Certificate.		Anchors.		WEIGHT, EX. STOCK		WEIGHT OF STOCK		TEST, PER CERTIFICATE.		WEIGHT REQ. BY TABLE 31.		Description of Anchor.		Makers.		Where and when tested and Superintendent.			
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.					
75991	1st Bower	103	0	15	Stokers	69	10	0	0	90	0	0	Halls (C.S. head)	Hingly Iron	Detherton	5/7/16	Green		
75992	2nd "	103	3	3	"	68	15	0	0	90	0	0	"	"	"	6/17/16	"		
75995	3rd "	103	2	21	"	68	15	0	0	77	10	0	"	"	"	"	"		
	Collective weight	312	2	11						257	10	0							
75771	Stream ....	26	3	7	6	3	12	26	5	2	14	26	2	0	Ordinary	"	6/6/16		
75774	Kedge .....	13	1	10	3	1	25	15	1	2	7	13	0	0	"	"	"		

  

CHAIN CABLES.										HAWERS AND WARPS.													
Number of Certificate.		Length and Size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE.		Fathoms 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.		Fathoms and size per Table 31.	
		Length.	Diam.	Tons.	Qrs.	lbs.	Cwts.	qrs.	lbs.	Fathoms.	Inch.							Length.	Clr.	Fathoms.	Inch.	Length.	Clr.
57969	Pathomay	150	2 3/4	120	149	5	519	2	19	10	0	0	300	2 5/8	Steel Hingley Thome	Detherton	6/14/16 Green	TOWLINE SLO. SW 4000 HAWERS & WARPS	130	6	95	130	6
57994	"	150	2 3/4	120	149	5	519	2	19	10	0	0	300	2 5/8	Steel Hingley Thome	"	23/5/16	"	90	2 3/4	95	130	6
Iron Steam or Steel Wire...	"	120	Clr. 5 1/2			88				120	Clr. 5 1/2	Steel wire Rinko Bars Ltd.			(6)			120	8	mangle	(4) 100	8	

  

Boats 14 Lifeboat

Pumps, Number 15

Windlass is Steam by F.W. Wilson

Engine Room Skylights.—How constructed? Steel What arrangements for deadlights in bad weather? Steel flaps & burlapies

Coal Bunker Openings.—How constructed? Casings on bridge or steel on shell deck How are lids secured? Clutch Bolted Height above deck? 9"

Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. no freeing Port 10 Scuppers each side

Ceiling in Holds, thickness and material none main holds insulated Cargo Battens, thickness and material 2" wro three not insulated

Cargo Hatchways.—How formed? Steel plate and can wood covers Hatches, If strong and efficient? Yes

State size No. 1 Hatch (Forward) 18.0 x 16.6 No. 2 Hatch 22.9 x 16.6 No. 3 Hatch 14.3 x 16.6 No. 4 Hatch 19.0 x 16.6

Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch 17° 2 web and 3 beams

No. 1, 3, 4, 5, 6, 1 web plate + 2 beams in each

No. of Breasthooks 9 No. of Crutches deep floor

Bulwarks, height above deck and description no bulwarks Main Rail and Stang material and size open rails

The foregoing is a correct description.

Builder's Signature (here only) J. P. ... Surveyor's Signature M. J. ...

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 this case) 17 18.7.14, 21.7.14,

J. 9. 14, 16. 9.14, 18. 9.14, 7.10.14, 21. 10.14, 29. 10.14, 30. 10.14, 3. 11.14, 10. 11.14, 24. 11.14, 27. 11.14, 4. 12.14, 15. 12.14, 25. 1.15, 26. 1.15, 5. 2.15, 10. 3.15, 11. 3.15, 6. 4.15, 23. 4.15, 13. 5.16

Workmanship. Are the butts of plating planed or otherwise fitted? Planed 12. 5.16, 4. 6.17, 2. 5.17, E. 1. 2.15, 23. 11.15, 13. 9.16,

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 State results of tests Satisfactory

Have all the upper and weather decks 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 date and in accordance with the Rule for the class contemplated

Cargo and meat hold doors, have tested, Breastheads have tested. Dunnage have tested

Fore peak filled with water to height of upper deck, main upper decks tested in way of immersion, After peak filled with water to upper deck.

No. 1, 2, 4, 5 holds, insulated for carrying frozen mutton

  

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

The amount of Entry Fee ..... £ 5 : 0 : 0 Fees applied for, 27-6-1916

Special Survey Fee .... £ 295 : 0 : 0 Received by me, 7-7 1917

Travelling Expenses, if any £ : : :

State whether the Vessel has been built under Special Survey No

I am of opinion this Vessel should be Classed As 100 A.I. Shellin deck

With, or without Freeboard, as condition of Class With freeboard

Committee's Minute + FRIL 13 JUL 1917

Character assigned 100A1

Lloyds LSCP + L.N.B. 7/17



GENERAL REMARKS—(continued).

{ 16 approved plans and 4 blue prints of details are herewith dispatched with report.  
6 — dults —

Continuation of dates of Survey.

1916. Nov. 7. 13. 14. 17. 22. 29. 30. Dec. 4. 5. 7. 11. 15. 18. 19. 22. 28.  
1917. Jan. 3. 4. 8. 10. 18. 25. 29. Feb. 7. 9. 23. 27. Mar. 6. 9. 12. 19. 21. 22. 23. 27.  
April. 2. 4. 12. 17. 24. 25. 30. May. 2. 9. 10. 16. 17. 21. 22. 25. 28. 29. 30. June. 4. 6. 8. 10. 13. 15.  
20. 21. 22. 23. 25. 29. July 4<sup>th</sup>.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. ☐ ft., Bridge ☒ ft., Forecastle ☒ ft.

(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated  
Complete shellin deck, tonnage opening closed, and other provision of circular carried out.  
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 should appear in the Register Book) Two decks steel and shellin deck steel part wood sheathed  
Official No. 135700 ; Signal Letters State if Machinery is fitted aft Armadruffs  
How are the surfaces preserved from oxidation? Inside Portland Cement & Paint. Outside Paint.

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

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Cap. Tons.
Double bottom, aft,	138	419	Fore peak tank,		
Double bottom, under Engines and Boilers,	114	603	After peak tank,		
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	183	622	Other tanks, if fitted,		
	Total capacity of double bottom	1646	(If necessary, furnish further information by sketch.)		

\* The wells are not to be included in the lengths of the tanks. 135 State whether the above have been tested as required by the Rules. Yes

Order for Special Survey No. 891  
Date 15<sup>th</sup> October 1914  
No. 349 in builder's yard.  
DATES of Surveys held while building  
1914. Oct. 23. 27. Nov. 3. 5. 9. 13. 17. 18. 23. 27. 28. 30. Dec. 3. 8. 15. 18. 22. 29. 1915. Jan. 4. 11. 14. 19. 22. 26. 29. Feb. 8. 11. 25. Mar. 2. 4. 10. 16. 19. 22. 24. 26. 29. Apr. 8. 14. 21. 22. 23. 26. 27. 29. May. 2. 5. 7. 11. 13. 14. 18. 20. 24. 26. 31. June. 2. 9. 11. 15. 24. 29. July 2. 6. 9. 20. 23. Aug. 4. 9. 12. 16. 18. 25. 28. Sep. 1. 5. 7. 9. 13. 17. 31. 22. 24. 28. Oct. 1. 4. 8. 12. 18. 20. 21. 23. 26. 29. Nov. 1. 2. 5. 10. 26. Dec. 6. 9. 14. 16. 18. 19. 1916. Jan. 3. 5. 6. 11. 13. 18. 20. 24. 27. Feb. 17. 22. 25. Mar. 8. 13. 22. Apr. 10. 20. May. 4. 9. 24. 30. June. 2. 8. 15. 21. July 12. 18. 24. 26. 28. 31. Aug. 3. 7. 9. 11. 23. 29. Sep. 4. 7. 12. 13. 21. 22. 27. Oct. 4. 16. 17. 24. 30. 31. Total No. of Visits 23  
See above.

Surveyor's Signature

J. M. Lloyd's Register Foundation