

# Shelter Deck,

# STEEL STEAMER.

No. 39167.

## Pl. Awning Deck.

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

Port of Glasgow Date of completion of Report 26-9-19 Received at London Office  
 Survey held at Glasgow Date, First Survey 12/3/1918 Last Survey 22/9/19 191  
 On the Steel Twin Screw Steamer "NARDANA" Rig Schooner  
 Tonnage under 5782.40 CLASS 100A1 "SHELTER DK WITH FREEBOARD" FEET.  
 Do. between Tonnage Dk. and 1828.25 Breadth (greatest moulded) 58.0 Master Whittingham  
 3rd, 4th, or Awning Dk. 7610.65 Depth, at middle of length from top of keel to top of 40.0 Year of Appointment 1919  
 Total under Upper Dk. 63.40 beams at side of uppermost Continuous Deck 98.0  
 Do. of Poop 26.77 Deduct height of 'tween deck when this does not exceed 8ft. 8.0 Built at Glasgow  
 Do. of R. Qr. Dk. 212.30 Transverse Number 90.0 When built 1919 Launched 9th Aug 1919  
 Do. of Bridge House 37.69 Length on deck from fore part of stem to after part of 450.0 By whom built Barclay Curle & Co. Ltd.  
 Do. of Houses on Deck 7950.81 sternpost 40500 Owners British India S.N.C.  
 Do. of excess of Hatchways 544.48 Longitudinal Number 19.4 Managers London  
 Do. above Crown of 7606.33 Depth "d" at middle of length. See Secs. 2 & 13 11.25 Residence Glasgow  
 Engine Room 2544.26 Proportions, Depths to Length, Uppermost Continuous Deck at side to top of keel 11.25 Port belonging to Glasgow  
 Rigging Spaces 94.30 " " Upper Deck at side to top of keel 11.25  
 Gross Tonnage 4967.77 Destined Voyage Antwerp &c. If Surveyed while Building, Afloat, or in Dry Dock Yes

DEPTH on	Ft.	Ins.	BREADTH	Ft.	Ins.	DEPTH, ACTUAL	Ft.	Ins.	No. of Decks with flat laid
per Rule	450	0	Moulded	58	10	Top of Floors to top of Awn. or Shelter Dk. Beams	37	1 1/2	3
						Do. Upper Deck Beams	29	1 1/2	3
Length 442.5 breadth 58.75 depth 29.15									
Moulded depth, ft. 40 ins. 0 To Awning or Shelter Dk. Round up of Uppermost Dk. Beam, Actual ... 12 ins.									

FRAMING.				PILLARS.			
Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches per Rule Or as Approved.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches per Rule Or as Approved.
E. Angles, or E or L Bars, amidships	9	3 1/2	46	9	3 1/2	46	9
in peaks	8	3	40	8	3	40	8
in way of Double Bottoms at Solid Floors	3 1/2	3 1/2	44	3 1/2	3 1/2	44	3 1/2
" " at intermdt. Bkts.							
of Frames from centre to centre amidships	36		36				
length to collision bulkhead	27	9	24	27	9	24	27
of Frames from centre to centre in peaks	24		24				
USED FRAME, Angles	6	3 1/2	46	6	3 1/2	46	6
in way of Double bottoms at Solid Floors	3 1/2	3 1/2	44	3 1/2	3 1/2	44	3 1/2
" " at intermdt. Bkts.							
ING, depth of girder	10		10				
IS, 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							
IS & BRACKETS, in Cell Dble Bottoms			40			40	
" state if flanged (top & bottom)	No		No				
" spacing	36	27	24	36	27	24	
E GIRDER, in Dbl. bottom, dpth & thickness	46		60	46		60	
" Angles, Top Double	3 1/2	3 1/2	54	3 1/2	3 1/2	54	
" " Bottom	5	5	60	5	5	60	
" " to Floors	6	6	52	6	6	52	
IRDERS, number and thickness	Two		40	Two		40	
" state if flanged (top & bottom)	3 1/2	3 1/2	44	3 1/2	3 1/2	44	
Angles, VERTICAL	3	3	40	3	3	40	
N PLATE, depth (exclusive of flange)	66		52	66		52	
and thickness	4	4	52	4	4	52	
Angles to outside plating	6	6	54	6	6	54	
" to floors BRACKETS	3.6		3.6				
Height of Brackets above at bilge	66		52	66		52	
BOTTOM PLATING, breadth and thickness of Middle Line Strake	ES	52	68	ES	52	68	
" thickness in Engine and Boiler space			52			52	
" Remainder in Holds	9	3 1/2	50	9	3 1/2	50	
Awning or Shltr Dk, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel							
Angles on upper edge	36		36				
Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel	9	3 1/2	50	9	3 1/2	50	
Angles on upper edge	36		36				
Second, Third & Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel	10	3 1/2	48	10	3 1/2	48	
Angles on upper edge	36		36				
Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel	7	3	50	7	3	50	
Angles on upper edge	24		24				
Spacing							
Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel	8	3	50	8	3	50	
Angles on upper edge	24		24				
Spacing							
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel							
Angles on upper edge							
Spacing							

KEELSONS AND STRINGERS.			
Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches per Rule Or as Approved.
CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal 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			
" Intercoastal Plate, for length			
" Attached to outside plating with Angle			
BILGE KEELSON, Angles			
" Intercoastal Plate, for length			
" Attached to outside plating with Angle			
SIDE STRINGERS, Number			
" Angle			
" Intercoastal Plate, for lng.			
" Attached to outside plating with Angle			
Awning or Shelter Deck Stringer Plates, breadth and thickness	66	60	66
" Angle on ditto	6x6	66	6x6
" Tie Plates, fore and aft, outside Hatchways			
Deck * Iron or Steel, for full lng.	600	40	600
" Wood Deck, Material & thickness			
Upper Deck Stringer Plate, breadth and thickness	46	46	66
" Angles on ditto, No. 2	3 1/2	3 1/2	48
" Tie Plates, outside Hatchways			
Deck * Iron or Steel, for full lng.	440	38	440
" Wood Deck, Material & thickness			
Second Deck Stringer Plates, br'dth & thckn's	66	42	66
" Angles on ditto, No. 2	3 1/2	3 1/2	42
" Tie Plates, outside Hatchways			
Deck * Material and thickness Steel	420	32	420
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	36	40	36
" Angles on ditto	3 1/2	3 1/2	40
" Tie Plates			
Deck. Material and thickness Steel	30		30
Bridge Deck Stringer Plate, br'dth & thickness			
" Angle on ditto			
" Tie Plates			
Deck. Material and thickness			
Forecastle Deck Stringer Plate, br'dth & th'kns	36	40	36
" Angle on ditto	3 1/2	3 1/2	40
" Tie Plates			
Deck. Material and thickness Steel	30		30



[illegible]

**Certificates for cast steel leads produced.**

EQUIPMENT No. 43984 LETTER C+										ANCHORS.									
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK			TEST, PER CERTIFICATE.			WEIGHT REQ. BY TABLE 31.			Description of Anchor.	Makers.	Where and when tested and Superintendent.						
		Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.	qrs.				lbs.					
80458	1st Bower	75	1	14	56	10	0	74	0	0	Halls & Heath	Hingley	Keth 28/10/18 Green						
80457	2nd "	75	0	15	56	10	0	74	0	0	"	"	"						
80459	3rd "	74	3	17	56	5	0	74	0	0	"	"	"						
	Collective weight	225	1	18				222	0	0									
80474	Stream	24	1	6	22	2	4	24	0	0	Rodgers	Hingley	Keth 28/10/18 Green						
81192	Kedge	10	3	6	12	3	13	10	0	0	"	"	12/3/19 "						

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.					
	Fathoms.	Diam.		Cwts.	qrs.						lbs.	Length.		Cir.	Length.	Cir.			
3478	80	2 1/2	160	10	13	176	2 1/2	Hind Hingley	Keth 14/10/18 Green	POWLINE	130	6	100	120	6				
3477	80	2 1/2	160	10	13	176	2 1/2	"	Keth 24/9/17 Green	HAWERS & WARPS	400	2 3/4	15 1/2	400	2 3/4				
61707	80	2 1/2	160	10	13	176	2 1/2	"	Keth 23/7/17 Green	"									
61625	80	2 1/2	160	10	13	176	2 1/2	"	"	"									
158146	Chain or Steel Wire	120	5	59	8	15	126	5											

**Boats** 4 Lifeboats  
**Pumps,** Number One  
**Windlass** is Efficient (Charlie Chapman 18")  
**Engine Room Skylights.**—How constructed? Steel plates & angles  
**Coal Bunker Openings.**—How constructed? Steel plates & angles  
Number of **Scuppers**, and numbers and dimensions of **Freeing Ports**, &c. 8 scuppers each side.  
**Ceiling in Holds**, thickness and material None  
**Cargo Hatchways.**—How formed? Steel plates & angles  
State size No. 1 Hatch (Forward) 23-3 x 18-0 No. 2 Hatch 30-0 x 18-0 No. 3 Hatch 24-0 x 18-0 No. 4 Hatch 18-0 x 18-0  
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch 4 Webs No. 1, 6 Webs No. 2, 5 Webs No. 3, 5 Webs No. 4.  
**Bulwarks**, height above deck and description Open rails  
The foregoing is a correct description.  
Builder's Signature (Here enter) J. H. Curry

Steering Gear, Steam efficient  
Diameter of Barrel 4 State whether they are in efficient working order Yes  
Capoten.

**Hatches**, If strong and efficient? Yes  
No. 3 Hatch 24-0 x 18-0 No. 4 Hatch 18-0 x 18-0  
No. of Breasthooks 8 No. of Crutches Deep floors  
Main Rail and Stays, material and size

Surveyor's Signature Henry Hibbs  
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)  
See letters of various dates  
**Workmanship.** Are the butts of plating planed or otherwise fitted? Planed & fitted  
Is the riveted work properly closed? Yes  
Are the liners between the frames and plate 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. 26, par. 20)? Yes State results of tests Good  
Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)? Yes State results of tests Good

**General Remarks** (State quality of workmanship, &c.) Workmanship good.  
This vessel has been built in accordance with the approved plans, See's letters of various dates & generally in conformity with the rules for the class contemplated.  
This is a Type Standard vessel & a sister vessel to TSS "NUDDIA" Lloyds report N° 38870  
Copy of Midships Section enclosed  
3 Drawing reports enclosed.

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, 2nd Instalment certified  
Special Survey Fee £ 215 : 3 : 0 Received by me 29  
Charterparty £ 8 : 8 : 0  
State whether the Vessel has been built under Special Survey Yes  
I am of opinion this Vessel should be Classed 100A1 Shelter Deck with  
With, or without Freeboard, as condition of Class

Committee's Minute GLASGOW 7-OCT-1919  
Character assigned - 100A1.  
Shelter DK. with fls  
9.19 Lloyd's accd.  
+ L.M.C. 9.19 F.D.

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

Date of issue 30.10.19.

GLASGOW

Certificate to be sent to

Lloyd's Register of British and Foreign Shipping.

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GENERAL REMARKS—(continued).

**PARTICULARS FOR RECORD in the REGISTER BOOK.**—Length of Poop 31 ft., R.Q.D. ✓ ft., Bridge ✓ ft., Forecastle 45 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) 2 Decks (steel) & Shelter Dh (steel)  
 Official No. ; Signal Letters State if Machinery is fitted aft Outside Paint  
 How are the surfaces preserved from oxidation? Inside Paint & 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 Capacity. Tons.
Double bottom, aft,	141	420	Fore peak tank,		125
Double bottom, under Engines and Boilers,			After peak tank,	39	80
Double bottom, if under Engines only,	24	135	Deep tank, aft,		1100
Double bottom, if under Boilers only, Dry Tank	33	185	Deep tank, forward,	9	5
Double bottom, forward,	188	720	Other tanks, if fitted, Fresh water		
Total capacity of double bottom		1460	(If necessary, furnish further information by sketch.)		

\* The wells are not to be included in the lengths of the tanks. 386

State whether the above have been tested as required by the Rules. Yes ✓

Order for Special Survey No. 5164

Date 12.4.18

No. 565 in builder's yard.

DATES of Surveys held while building

1918 Mar 12.13.24.29 Apr 19. May 2.7.10.15.21.27. June 10.17.21.28. July 9.25 Aug 25.13.20.21.27.29  
 Sept 2.24.27 Oct 29.16.18.21.23.25 Nov 4.6.14.19.28 Dec 11.18. 1919 Jan 9.14.17 Feb 4.12.16.  
 25.26 Mar 12.14.31 Apr 7.14.22.28 May 1.5.9.12.15.19.22.26.29 June 3.6.12.16.19.23.26  
 3.8.15.31 Aug 7.22.27 Sept 4.10.18.22

Total No. of Visits 81

Surveyor's Signature

Henry H. Libb

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