

# Awning or Shelter Deck, or Pt. Awning Deck.

# STEEL STEAMER.

No. 67264.

State of Report is also sent on the Machinery of the Vessel *yes*

Port of **NEWCASTLE-ON-TYNE** Date of completion of Report **MAR 12 1915** Received at London Office **SAT. MAR. 13. 1915**

Survey held at *Newcastle* Date, First Survey *March 19. 1914* Last Survey *March. 4 1915*

On the (State if Single, Twin, or Triple Screw) *S. S. Northwestern Miller* Rig *Schooner*

Master *J. C. Walker*

Year of Appointment *(1) As Master in service of owner of present vessel: 1913 (2) As Master of this vessel: 1911*

Built at *Newdon on Tyne*

When built *1915* Launched *19 Oct 1914*

By whom built *Northumberland S. S. Co Ltd*

Owners *Northumberland S. S. Co Ltd*

Managers *Furness Withy & Co Ltd*

(Where necessary to be entered in Reg. Book.)

Residence *London*

Port belonging to *Liverpool*

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

LENGTH on	Ft.	Ins.	BREADTH	Ft.	Ins.	DEPTH, ACTUAL	Ft.	Ins.	No. of Decks with flat laid	No. of Tiers of Beams
as per Rule	419	5	Moulded	53	2	Do.	36	5	2	2

FRAMING.				PILLARS.				KEELSONS AND STRINGERS.			
Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship
NAME, Angles, or E or L Bars, amidships	6 1/2	3 1/2	3 1/2	6 1/2	3 1/2	3 1/2	3 1/2	2 1/8	5 3	2 1/8	5 3
Do. in peaks	1 1/2	3 1/2	3 1/2	1 1/2	3 1/2	3 1/2	3 1/2				
Do. in way of Double Bottoms at Solid Floors	3 1/2	3 1/2	4 1/2	3 1/2	3 1/2	4 1/2	4 1/2				
Do. at intermdt. Bkts.	7 1/2	3 1/2	4 1/2	7 1/2	3 1/2	4 1/2	4 1/2				
Spacing of Frames from centre to centre amidships	26 1/2	8 1/2	2 1/2	26 1/2	8 1/2	2 1/2	2 1/2				
Do. length to collision bulkhead	22 1/2	2 1/2	2 1/2	22 1/2	2 1/2	2 1/2	2 1/2				
Do. of Frames from centre to centre in peaks	22 1/2	2 1/2	2 1/2	22 1/2	2 1/2	2 1/2	2 1/2				
VERTICAL FRAME, Angles	4 1/2	3 1/2	4 1/2	4 1/2	3 1/2	4 1/2	4 1/2				
Do. in way of Double bottoms at Solid Floors	7 1/2	3 1/2	4 1/2	7 1/2	3 1/2	4 1/2	4 1/2				
Do. at intermdt. Bkts.	10 1/2	3 1/2	4 1/2	10 1/2	3 1/2	4 1/2	4 1/2				
SPACING, depth of girder	4 1/2	3 1/2	4 1/2	4 1/2	3 1/2	4 1/2	4 1/2				
DOORS, depth and thickness of Floor Plate, at mid-line for 1/2 length amidships	4 1/2	3 1/2	4 1/2	4 1/2	3 1/2	4 1/2	4 1/2				
Do. in way of Engine and Boiler spaces	4 1/2	3 1/2	4 1/2	4 1/2	3 1/2	4 1/2	4 1/2				
Do. thickness at the ends of vessel	4 1/2	3 1/2	4 1/2	4 1/2	3 1/2	4 1/2	4 1/2				
Do. depth at 1/2 the half-bdth. as per Rule	4 1/2	3 1/2	4 1/2	4 1/2	3 1/2	4 1/2	4 1/2				
Do. height extended at the Bilges	4 1/2	3 1/2	4 1/2	4 1/2	3 1/2	4 1/2	4 1/2				
DOORS, in Cell Double Bottoms	4 1/2	3 1/2	4 1/2	4 1/2	3 1/2	4 1/2	4 1/2				
Do. state if flanged (top and bottom)	4 1/2	3 1/2	4 1/2	4 1/2	3 1/2	4 1/2	4 1/2				
Do. spacing of Solid	4 1/2	3 1/2	4 1/2	4 1/2	3 1/2	4 1/2	4 1/2				
CENTRE GIRDER, in Dbl. bottom, dpth. & thcknss	4 1/2	3 1/2	4 1/2	4 1/2	3 1/2	4 1/2	4 1/2				
Do. Angles, Top	4 1/2	3 1/2	4 1/2	4 1/2	3 1/2	4 1/2	4 1/2				
Do. " " Bottom	4 1/2	3 1/2	4 1/2	4 1/2	3 1/2	4 1/2	4 1/2				
Do. " " to Floors	4 1/2	3 1/2	4 1/2	4 1/2	3 1/2	4 1/2	4 1/2				
Do. Brackets at intermdt. frmg., wdth & thcknss	4 1/2	3 1/2	4 1/2	4 1/2	3 1/2	4 1/2	4 1/2				
DE GIRDERS, number and thickness	2 1/2	4 1/2	2 1/2	2 1/2	4 1/2	2 1/2	2 1/2				
Do. state if flanged (top & bottom)	2 1/2	4 1/2	2 1/2	2 1/2	4 1/2	2 1/2	2 1/2				
Do. Angles	3 1/2	3 1/2	4 1/2	3 1/2	3 1/2	4 1/2	4 1/2				
DOOR PLATE, depth (exclusive of flange) and thickness	3 1/2	3 1/2	4 1/2	3 1/2	3 1/2	4 1/2	4 1/2				
Do. Angles to outside plating	4 1/2	3 1/2	4 1/2	4 1/2	3 1/2	4 1/2	4 1/2				
Do. " to floors	5 1/2	3 1/2	4 1/2	5 1/2	3 1/2	4 1/2	4 1/2				
Do. Brackets at intermdt. frmg., wdth & thcknss	3 1/2	3 1/2	4 1/2	3 1/2	3 1/2	4 1/2	4 1/2				
Do. Height of Brackets above at bilge	3 1/2	3 1/2	4 1/2	3 1/2	3 1/2	4 1/2	4 1/2				
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	6 1/2	3 1/2	4 1/2	6 1/2	3 1/2	4 1/2	4 1/2				
Do. thickness in Engine and Boiler space	5 1/2	3 1/2	4 1/2	5 1/2	3 1/2	4 1/2	4 1/2				
Do. " Remainder in Holds	4 1/2	3 1/2	4 1/2	4 1/2	3 1/2	4 1/2	4 1/2				
DOORS, Awning or Shlter Dk, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel	8 1/2	3 1/2	4 1/2	8 1/2	3 1/2	4 1/2	4 1/2				
Do. Spacing	26 1/2	8 1/2	2 1/2	26 1/2	8 1/2	2 1/2	2 1/2				
DOORS, Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel	11 1/2	3 1/2	4 1/2	11 1/2	3 1/2	4 1/2	4 1/2				
Do. Spacing	53 1/2	11 1/2	3 1/2	53 1/2	11 1/2	3 1/2	3 1/2				
DOORS, Second, Third & Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel	12 1/2	4 1/2	5 1/2	12 1/2	4 1/2	5 1/2	5 1/2				
Do. Angles on upper edge	53 1/2	12 1/2	4 1/2	53 1/2	12 1/2	4 1/2	4 1/2				
Do. Spacing	53 1/2	12 1/2	4 1/2	53 1/2	12 1/2	4 1/2	4 1/2				
BEAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel	12 1/2	4 1/2	5 1/2	12 1/2	4 1/2	5 1/2	5 1/2				
Do. Angles on upper edge	53 1/2	12 1/2	4 1/2	53 1/2	12 1/2	4 1/2	4 1/2				
Do. Spacing	53 1/2	12 1/2	4 1/2	53 1/2	12 1/2	4 1/2	4 1/2				
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel	7 1/2	3 1/2	4 1/2	7 1/2	3 1/2	4 1/2	4 1/2				
Do. Angles on upper edge	22 1/2	7 1/2	3 1/2	22 1/2	7 1/2	3 1/2	3 1/2				
Do. Spacing	22 1/2	7 1/2	3 1/2	22 1/2	7 1/2	3 1/2	3 1/2				
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel	7 1/2	3 1/2	4 1/2	7 1/2	3 1/2	4 1/2	4 1/2				
Do. Angles on upper edge	22 1/2	7 1/2	3 1/2	22 1/2	7 1/2	3 1/2	3 1/2				
Do. Spacing	22 1/2	7 1/2	3 1/2	22 1/2	7 1/2	3 1/2	3 1/2				
Awning or Shelter Deck Stringer Plates, breadth and thickness	56	56	56	56	56	56	56				
Do. Angle on ditto	56	56	56	56	56	56	56				
Do. Tie Plates, fore and aft, outside Hatchways	56	56	56	56	56	56	56				
Do. Deck, Iron or Steel, for full lng.	56	56	56	56	56	56	56				
Do. Wood Deck, Material & thickness	56	56	56	56	56	56	56				
Upper Deck Stringer Plate, breadth and thickness	48	48	48	48	48	48	48				
Do. Angles on ditto, No. 2	48	48	48	48	48	48	48				
Do. Tie Plates, outside Hatchways	48	48	48	48	48	48	48				
Do. Deck, Iron or Steel, for full lng.	48	48	48	48	48	48	48				
Do. Wood Deck, Material & thickness	48	48	48	48	48	48	48				
Second Deck Stringer Plates, br'dth & thckn's	48	48	48	48	48	48	48				
Do. Angles on ditto, No. 2	48	48	48	48	48	48	48				
Do. Tie Plates, outside Hatchways	48	48	48	48	48	48	48				
Do. Deck, Material and thickness	48	48	48	48	48	48	48				
Third, Fourth & Fifth Deck Stringer Plate, breadth and thickness	48	48	48	48	48	48	48				
Do. Angles on ditto, No. 2	48	48	48	48	48	48	48				
Do. Tie Plates, outside Hatchways	48	48	48	48	48	48	48				
Do. Deck, Material and thickness	48	48	48	48	48	48	48				
Poop Deck Stringer Plate, breadth & thickness	48	48	48	48	48	48	48				
Do. Angles on ditto	48	48	48	48	48	48	48				
Do. Tie Plates	48	48	48	48	48	48	48				
Do. Deck, Material and thickness	48	48	48	48	48	48	48				
Bridge Deck Stringer Plate, br'dth & thckn's	48	48	48	48	48	48	48				
Do. Angle on ditto	48	48	48	48	48	48	48				
Do. Tie Plates	48	48	48	48	48	48	48				
Do. Deck, Material and thickness	48	48	48	48	48	48	48				
Forecastle Deck Stringer Plate, br'dth & thckn's	36	36	36	36	36	36	36				
Do. Angle on ditto	36	36	36	36	36	36	36				
Do. Tie Plates	36	36	36	36	36	36	36				
Do. Deck, Material and thickness	36	36	36	36	36	36	36				



WEB FRAMES. WEB-FRAMES, In Fore Body, No. and spacing. WEB-FRAMES, In E. & B. Space, No. & spacing. WEB-FRAMES, In After Body, No. and spacing. BRACKET PLATES to Stringers between Web Frames, depth and thickness. BULKHEADS. W.T. BULKHEADS. COLLISION PARTITION. LONGITUDINAL. FORGINGS or CASTINGS. KEEL, Bar, depth and thickness. STEM, moulding and thickness. STERN-POST for Rudder do. do. RUDDER-A x D\* Table 22. Speed. Main-Piece, diameter at head. RUDDER, how constructed. PLATING. STRAKES. PER RULE OR AS APPROVED. RIVETING. BUTTS. AWNING or Shelter Deck Stringer Plate. Upper Deck Stringer Plate. FRAMES extend in one length from. REVERSED FRAMES on floors and frames extend from. MASTS, SPARS, &c. LOWER MASTS. Bowsprit. Topmasts, Yards and Remainder of Spars. Rigging, Material and Size, Shrouds. Sails.



EQUIPMENT No. 38464 LETTER a + .																	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.					
18272	1st Power	69	2	0	Stockless	53	10	0	0	68	0	0	Byers Stockless	W L Byers & Co	LPH S. 14/7/14	L. Hayne			
18321	2nd "	64	2	0	"	52	4	2	0	68	0	0	"	"	" 24/7/14	"			
18253	3rd "	59	1	0	"	47	18	0	14	58	2	0	"	"	" 7/7/14	"			
	Collective weight	196	1	0						194	2	0			Hammer Ship & Bend Tests				
10344	Stream	19	2	0	4	3	21	20	0	0	19	0	0	Rodgers	R. Byers & Sons	LPHBC. 21/4/14	G. W. Penn		
10345	Kedge	8	1	14	2	0	21	10	10	0	8	0	0	"	"	" 21/4/14	"		

If Patent State Name of Patentee.

If Stockless, state Mechanical Tests.

CHAIN CABLES.													HAWSERS 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.	Statu-tory.	Break-ing.	Supplied.	Per Rule.	Length.	Diam.	Length.	Cir.					Length.	Cir.				
	Fathoms.	Ins.	Tons.	Tons.	Cwts. qrs. lbs.	Cwts. qrs. lbs.	Fathoms.	Ins.	Fathoms.	Ins.					Fathoms.	Ins.				
14794	270	2 5/16	96 1/4	134 3/4	721.1.21	720.3.4	270	2 5/16	Steel	R. Byers & Co.	L.P.H.C. 18/4/14	TOWLINE	120	5 1/4	65	120	5 1/4			
												HAWSERS & WARPS	270	3 1/2	26	90	3 1/2			
														90	3 1/2	22	90	3 1/2		
Iron Stream Chain or Steel Wire...	90	5	59				90	5						270	3 1/2	18	90	3 1/2		
														270	3 1/2	18	90	3 1/2		

Boats *2 life cutters 1 Eng. 1 buggy* Steering Gear, Steam *Good* Steering Gear, Hand *Good*  
Pumps, Number *of the 6" Downton & one 4" lift* Diameter of Barrel \_\_\_\_\_ State whether they are in efficient working order *Yes*  
Windlass is *iron patent* Capstan \_\_\_\_\_  
Engine Room Skylights. How constructed? *Steel plates and angles* What arrangements for deadlights in bad weather? *Steel shutter & lights*  
Coal Bunker Openings. How constructed? *Steel plates & angles* How are lids secured? *Battered* Height above deck? *30"*  
Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. *Part open rails on shelter deck 6 scuppers each side*  
Ceiling in Holds, thickness and material *2 1/2" W.P. under hatches & over lumber* Cargo Battens, thickness and material *7/2" W.P.*  
Cargo Hatchways. How formed? *Steel plates and angles* Hatches, If strong and efficient? *Yes*  
State size No. 1 Hatch (Forward) *58'6" 26'6" x 18'0"* No. 2 Hatch *26'6" x 18'0"* No. 3 Hatch *13'3" x 18'0"* No. 4 Hatch *15'5 1/2" x 18'0"*  
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch *4 shifting beams in No. 1 & 2 5 1/2" and 2 in No. 3 & 4*  
*No fore and afters.* No. of Breasthooks *9* No. of Crutches *2 & Deep floors*  
Bulwarks, height above deck and description *Steel plates 46' x 5' 3/4"* Main Rail and Stays, material and size *Steel 13'9" 6' x 3 1/2" x 5/16"*  
The foregoing is a correct description. *THE NORTHUMBRIA AND SHIPBUILDING CO. LTD.* Surveyor's Signature *E. J. Milton*  
Builder's Signature (here only) *Richd. Garlick* 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)  
*M. 12-2-14 11-4-14 H-11-14*  
Workmanship. Are the butts of plating planed or otherwise fitted? *Planed and lapped*  
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*  
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.)  
*This vessel has been built in accordance with the approved plans, the Secretary's letters quoted above and the Society's Rules*  
*The workmanship and materials are good.*  
*The approved plans of Buildship Section, profile and deck, stern frame & rudder, pumping deep tank, bulkheads, fore peak and panting, after peak bulkheads, hatchways, pillars & girders, strong beams in stokehold, E & B casings, lower part of stern frame, cargo port door, position of cargo port doors, do in sheer at sheer stake, coaling door in sheer stake are forwarded herewith which please return for dealing with sister vessel.*

*The Builders No 222 55 South western Miller is a sister vessel now completing*  
The Surveyor should state the Number of Report and Name of any Sister Vessel. *P.T.O.*

The amount of Entry Fee *£ 5 : 0 : 0* Fees applied for, *MAR 12 1915*  
Special Survey Fee *£ 147 : 0 : 0* Received by me, *20 Mar 1915 22/3/15*  
Travelling Expenses, if any £ \_\_\_\_\_  
State whether the Vessel has been built under Special Survey *Yes*  
I am of opinion this Vessel should be Classed *\* 100 A.S. Shelter Deck (Steel)* *E. J. Milton*  
With, or without Freeboard, as condition of Class *With freeboard.* Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute *TUE. MAR. 23. 1915*  
Character assigned *100 A.S. Shelter Deck with fld.*  
*Lloyd's A.S.P. + L.M.C. 3/15*  
*W.N.*



GENERAL REMARKS—(continued).

Whilst at Hartlepool receiving her machinery this vessel collided with a wharf and the following repairs due to damage then received have been effected

On Starboard side Stem plate in G strake and No 2 in H strake were renewed and stem plate in A strake was faired in place. Wing plate of collision bulkhead faired in place and partly doubled, Bulkhead angle in way of same faired in place and reinforced by back bar, 3 frames faired in place, stringer bracket removed faired and replaced and stringer plate faired in place and bracket knees to same refitted

On Port side Nos 3 & 5 plates in H strake were removed faired and replaced Fore peak tank retested after repairs and all caulking and riveting made good.

E. J. Milton

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 Shelter Deck*

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) *2 Dks (Stl) and Shelter Dk (Stl). 3<sup>rd</sup> Dk beams in fore hold.*

Official No. *137431*; Signal Letters

State if Machinery is fitted aft *No*

How are the surfaces preserved from oxidation? Inside *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 Dks*

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	<i>145.11</i>	<i>450</i>	Fore peak tank,	<i>20.6</i>	<i>110</i>
Double bottom, under Engines and Boilers,			After peak tank,	<i>22.0</i>	<i>125</i>
Double bottom, if under Engines only,	<i>33.13</i>	<i>155</i>	Deep tank, aft,	<i>35.4</i>	<i>955</i>
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	<i>172.2</i>	<i>625</i>	Other tanks, if fitted,		
Total capacity of double bottom		<i>1230</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. *4495*

Date *11. Dec. 1913*

No. *221* in builder's yard.

DATES OF SURVEYS  
held while building

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

Total No. of Visits *84*

Surveyor's Signature

E. J. Milton