

Awning or Shelter Deck, or Pt. Awning Deck.

STEEL STEAMER.

No. 67318

Port of NEWCASTLE-ON-TYNE Date of completion of Report MAR 25 1915 Received at London Office SAT. MAR. 27. 1915
 Survey held at Newcastle Date, First Survey May 12 1914 Last Survey March 22 1915
 On the (State if Single, Twin, or Triple Screw) S S Bronze Wings Rig Schooner
 Tonnage under Tonnage Deck... 3673.31 CLASS 100 A-1 Master F J Rose
 Do. between Tonnage Dk. and 3rd, 4th, or Awning Dk. 82.04 Depth, at middle of length from top of keel to top of beams at side of uppermost Continuous Deck... 34.12 Year of Appointment (1) As Master in service of owner of present vessel: 1915 (2) As Master of this vessel: 1911
 Total under Upper Dk. 33.71 Deduct height of 'tween deck when this does not exceed 8ft. 8.00 Built at Howdon Newcastle
 Do. of Poop 25.24 Transverse Number 77.78 When built 1915 Launched 19th Nov 1915
 Do. of Forecastle 48.41 Length on deck from fore part of stem to after part of sternpost 375.00 By whom built Northumberland S. Co. Ltd
 Do. of Houses on Deck 3862.91 Longitudinal Number 29167 Owners The Wings Steam Shipping Co. Ltd
 Do. of excess of Hatchways 123.66 Depth "A" at middle of length. See Secs. 2 & 18... 22.71 Managers Korman Hallett & Co
 Do. above Crown of Engine Room 3739.05 Proportions, Depths to Length, Uppermost Continuous Deck at side to top of keel... 10.95 Residence 21 Great St. Helens London E.C.
 Gross Tonnage 123.66 " " " Upper Deck at side to top of keel... 14.3 Port belonging to London
 Less Crew Space 90.87 Destined Voyage Baltimore If Surveyed while Building, Afloat, or in Dry Dock Yes
 Less above Crown of Engine Room 2412.11

LENGTH on Deck as per Rule	Ft.	Ins.	BREADTH Moulded	Ft.	Ins.	DEPTH, ACTUAL—Top of Floors to top of Awning or Shelter Dk. Beams	Ft.	Ins.	No. of Decks with flat laid	No. of Tiers of Beams
375	0		51	8		34	12		19	18

Dimensions of Ship per Register, Length 375.2 breadth 51.95 depth 23.7 Awning or Shelter Dk. Moulded depth, ft. 34 ins. 12 To Awning or Shelter Dk. Round up of Uppermost Dk. Beam, Actual 12.2 ins.

FRAMING.	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	PILLARS.	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship
FRAME, Angles, or E or Bars, amidships	10 1/2	3 1/2	10 1/2	3 1/2	10 1/2	3 1/2	PILLARS, in 'tween Deck, size and spacing	2 7/8	5 1/8	2 7/8	5 1/8
Do. in peaks	5 1/2	3 1/2	5 1/2	3 1/2	5 1/2	3 1/2	" " Hold				
Do. in way of Double Bottoms at Solid Floors	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	" Quarter, 'tween Dks.,				
" " at intermdt. Bkts.	7 1/2	3 1/2	7 1/2	3 1/2	7 1/2	3 1/2	" " in Hold				
Spacing of Frames from centre to centre amidships	25		25		25		KEELSONS AND STRINGERS. <td></td> <td></td> <td></td> <td></td>				
" length to collision bulkhead	25		25		25		CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate				
" of Frames from centre to centre in peaks	24		24		24		" Rider Plate				
REVERSED FRAME, Angles							" Flat Keel Plate Angles				
Do. in way of Double bottoms at Solid Floors	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	" Horizontal Plates on Floors				
" " at intermdt. Bkts.	7	3 1/2	7	3 1/2	7	3 1/2	" Angles or Bulb Angles				
FRAMING, depth of girder	10 1/2		10 1/2		10 1/2		" Plate above floors, for length				
FLOORS, depth and thickness of Floor Plate, 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-bdth. as per Rule							" Intercoastal Plate, for length				
" height extended at the Bilges							" Attached to outside plating with Angle				
FLOORS, in Cell Double Bottoms							SIDE STRINGERS, Number				
" state if flanged (top and bottom)							" Angle				
" spacing of Solid							" Intercoastal Plate, for lng.				
CENTRE GIRDER, in Dbl. bottom, dpth. & thknss	12	1 1/2	12	1 1/2	12	1 1/2	" Attached to outside plating with Angle				
" Angles, Top	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	Awning or Shelter Deck Stringer Plates, breadth and thickness	5 1/2	1 3/4	5 1/2	1 3/4
" Bottom	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	" Angle on ditto	4 1/2	1 3/4	4 1/2	1 3/4
" to Floors	5	5 1/2	5	5 1/2	5	5 1/2	" Tie Plates, fore and aft, outside Hatchways	4 1/2	1 3/4	4 1/2	1 3/4
" Brackets at intermdt. frmng., wdth & thknss	4 1/2	1 1/2	4 1/2	1 1/2	4 1/2	1 1/2	" Deck, * Iron or Steel, for full lng.	1 1/2	1 3/4	1 1/2	1 3/4
SIDE GIRDERS, number and thickness	2	1 3/8	2	1 3/8	2	1 3/8	" Wood Deck, Material & thickness				
" state if flanged (top & bottom)							Upper Deck Stringer Plate, breadth and thickness	6 3/4	1 1/2	6 3/4	1 1/2
" Angles	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	" Angles on ditto, No. 2	3 1/2	1 1/2	3 1/2	1 1/2
MARGIN PLATE, depth (exclusive of flange) and thickness	3 1/2	1 1/2	3 1/2	1 1/2	3 1/2	1 1/2	" Tie Plates, outside Hatchways				
" Angles to outside plating	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	" Deck, * Material and thickness				
" to floors	5	3 1/2	5	3 1/2	5	3 1/2	Third, Fourth & Fifth Deck Stringer Plate, breadth and thickness				
" Brackets at intermdt. frmng., wdth & thknss	3 1/2	1 1/2	3 1/2	1 1/2	3 1/2	1 1/2	" Angles on ditto, No.				
" Height of Brackets above at bilge	2 1/4		2 1/4		2 1/4		" Tie Plates, outside Hatchways				
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	6 1/2	1 1/2	6 1/2	1 1/2	6 1/2	1 1/2	" Deck, Material and thickness				
" thickness in Engine and Boiler space	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	Poop Deck Stringer Plate, breadth & thickness				
" Remainder in Holds	4 1/2	1 1/2	4 1/2	1 1/2	4 1/2	1 1/2	" Angles on ditto				
BEAMS, Awning or Shltr Dk, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel	9	3 1/2	9	3 1/2	9	3 1/2	" Tie Plates				
" Spacing	25		25		25		" Deck, Material and thickness				
BEAMS, Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel	11	3 1/2	11	3 1/2	11	3 1/2	Bridge Deck Stringer Plate, br'dth & thickness				
" Spacing	50		50		50		" Angle on ditto				
BEAMS, Second, Third & Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel							" Tie Plates				
" Angles on upper edge							" Deck, Material and thickness				
" Spacing							Forecastle Deck Stringer Plate, br'dth & th'kns				
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											
" Angles on upper edge											
" Spacing											
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel											
" Angles on upper edge											
" Spacing											

WEB FRAMES.		Inches in Ship.	Inches in Ship.	Inches per Rule. Or as Ap.	Inches per Rule. Or as Approved.
WEB-FRAMES, In Fore Body, No. and spacing		11 in	36 flanged		
" " " brdth. & thickness		24			
" No of Side Stringers " "					
WEB-FRAMES, In E. & B. Space, No. & spacing					
" " " brdth. & thickness					
WEB-FRAMES, In After Body, No. and spacing					
" " " brdth. & thickness					
" No. of Side Stringers " "					
" Size of Face Angles to Web-Frames.....					
BRACKET PLATES to Stringers between Web Frames, depth and thickness.....					

BULKHEADS.	Number.	Thickness.	STIFFENERS.				Single or Double Frames.	Height up, state deck.
			Horizontal.	Vertical.	Horizontal.	Vertical.		
	Vessel.	Per Rule.	Inches.	Inches.	Inches.	Inches.		
W.T.BULKHEADS	6	6						
after peak			60	36	34	30	22	8 1/2 x 4 1/2
43			32					10 x 3 1/2 x 50
71-93			32					9 1/2 x 3 1/2 x 50
138			32					10 1/2 x 3 1/2 x 50
" COLLISION "			42	26	23	20	14	8 x 3 1/2 x 24
PARTITION "								7 1/2 x 3 1/2 x 42
LONGITUDINAL,								10 1/2 x 3 1/2 x 50

Are the outside Plates doubled two spaces of Frames in length? *Brackets fitted*

Are the Staircase Valves and Watertight Doors in efficient working order? *Yes*

FORGINGS or CASTINGS.		Inches in Ship.	Inches per Rule. Or as Approved.
KEEL, Bar, depth and thickness			
STEM, moulding and thickness		11 x 2 1/2	10 x 2 3/4
STERN-POST for Rudder do. do.		9 x 7 1/2	9 x 7 1/2
" for Propeller		10 x 7 1/2	10 x 7 1/2
RUDDER-A x D* Table 22. Speed 10 knots		348	
" Main-Piece, diameter at head		8 1/2	8 1/2
" " " at heel.....		6 1/2	6 1/2

RUDDER, how constructed *Cast steel frame*

" Thickness of Plates or Single Plate *7/2*

Can the Rudder be unshipped afloat? *Yes*

Manufacturer's name or trade mark of the Iron or Steel (state process of manufacture of Steel) used for Frames, Floors, Beams, Keelsons, Tie and Stringer Plates, Plating, &c.? *Open Hearted. South Durham S.S. Co. David Colville & Sons. Consell & Son Co. Cargo & Elect. Iron Co. Palmer S.S. & Co.*

Has the Steel been tested as required by the Rules? *Yes Yes*

PLATING.										RIVETING.									
STRAKES.		AS IN SHIP.				PER RULE OR AS APPROVED.		EDGES, Ordinary or joggled?			BUTTS.								
		AMIDSHIP.		AFT.		AMIDSHIP.		Single or Double.	Breadth of Lap.	Diam.	Spacing cr. to cr.	Double or Treble and for what Length.	RIVETS.		STRAPS.		IF LAPPED.		
		Breadth.	Thickness.	Thickness.	Thickness.	Breadth.	Thickness.						Inches.	Inches.	Inches.	Diam.	Spacing cr. to cr.	Breadth.	Thickness.
FLAT PLATE KEEL.....		54	94	66	66	54	94	1/2	6 3/4	1 1/2	4 1/2	Quad	1 1/2	4			16	3/4	
GARBOARD or A Strake			60	46	60		60		5 1/4	7/8	3 1/2						12	3/4	
State actual thickness in way of Double Bottom.			60	46	60		60												
B "			60	46	60		60												
C "			60	46	60		60												
D "			60	46	60		60												
E "			60	46	60		60												
F "			64	44	60		64												
G "			64	44	60		64												
H "			64	44	60		64												
J "		76	60	44	44	76	60												
K "		89	66	44	44	89	66					Quin		4 1/2			18	7/2	
L "																			
M "																			
N "																			
O "																			
P "																			
Q "																			
R "																			
S "																			
T "																			
U "																			
V "																			
W "																			

THICKNESS OF STRAKE CLEAR OF LONG BRIDGE DO. OF STRAKE BELOW DBLG. of Flat Plate Keel

" Sheerstrakes Length and thickness.

POOP SIDES

SHORT BRIDGE SIDES ...

FORECASTLE SIDES

Awning or Shelter Deck Stringer Plate	Butts, <i>1/2</i> riveted for <i>half</i> length amidship.	Butts of Side Stringers riveted.
Upper Deck Stringer Plate	Butts, <i>1/2</i> riveted for <i>half</i> length amidship.	" Tie Plates riveted.
	Straps, single or overlapped for <i>full</i> length amidship.	Inner Bottom Plating, riveting of Edges <i>1/2</i> & <i>1/4</i> Butts <i>1/2</i> & <i>1/4</i>
		Centre Girder Butts, <i>1/2</i> riveted. Keelson Butts, riveted.
		Frames, riveted through Plates with <i>7/8</i> in. Rivets, about <i>1 1/2</i> in. apart.
		Rivets, state whether Iron or Steel <i>Iron</i>

FRAMES extend in one length from *margin plate* to *upper deck & scupper plate* State if ordinary or joggled *Ordinary*

REVERSED FRAMES on floors and frames extend from *centre girder to margin plate on E. space & under rocker bearers on other floors and also on open floors. Bulk angle frames above margin plate* State if ordinary or joggled *Ordinary*

MASTS, SPARS, &c.											
	Material.	Total Length.	DIAMETER AND THICKNESS.				No. of Plates in round.	ANGLES.		RIVETING.	
			At Partners.	Heel.	Hounds.	Head.		Number.	Size.	Seams.	Butts.
LOWER MASTS.....	Fore	<i>58-6</i>	<i>27 1/2 x 60</i>	<i>25 1/2 x 58</i>		<i>22-5 1/2</i>	<i>2</i>			<i>1/2</i>	<i>1/2</i>
	Main	<i>50-0</i>	<i>23 1/2 x 56</i>	<i>22 x 48</i>		<i>16 1/2 x 26</i>	<i>2</i>				
	Mizen.....										
Bowsprit											
Topmasts, Yards and Remainder of Spars	<i>Pitch pine</i>										
Rigging, Material and Size, Shrouds	<i>G.S.W. 3 3/4</i>										
Sails.	<i>none</i>	Suit of									

Sails, and the following spare sails.

EQUIPMENT No. 31701										LETTER X										ANCHORS.											
Number of Certificate.		Anchors.		WEIGHT, EX. STOCK			WEIGHT OF STOCK			TEST, PER CERTIFICATE.				WEIGHT REG. BY TABLE 31.			Description of Anchor.		Makers.		Where and when tested and Superintendent.										
				Cwts. qrs. lbs.			Cwts. qrs. lbs.			Tons. cwt. qrs. lbs.				Cwts. qrs. lbs.																	
18344		1st Bower		56 3 0			Stockline			46 9 1 14				56 1 0			Rye & Co.		LPHS 29/7/15		L. Haffner										
18343		2nd "		56 2 14			"			46 7 3 7				56 1 0			"		"		22/7/15 "										
18341		3rd "		48 1 14			"			41 7 0 21				47 2 0			"		"		29/7/15 "										
Collective weight				161 3 0										160 0 0																	
876		Stream		15 1 17			3 3 25			16 18 3 0				15 0 0			Rodgers		LPHN 31/8/15		H. Green										
864		Kedge		6 2 4			1 2 22			8 17 2 0				6 2 0			Ordinary		"		31/8/15 "										
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.		Fathoms and Size per Table 31.							
		Length. Diam.		Statutory. Breaking.		Supplied. Per Rule.				Length. Diam.										Length. Cir.		Tons.		Length. Cir.							
		Fathoms. Ins.		Tons.		Cwts. qrs. lbs. Cwts. qrs. lbs.				Fathoms. Ins.										Fathoms. Ins.		Tons.		Fathoms. Ins.							
54055		135 2 1/2		81 1/2 13 3/4		305 0 0 608 2 1/4				270 2 1/2		Steel		H. Hargreaves		LPHN 31/8/15		H. Green		TOWLINE		120 4 1/2		39 120 4 1/2							
54054		135 2 1/2		81 1/2 13 3/4		304 2 1/4														HAWSERS & WARPS		90 3 1/4		22 90 3 1/4							
Iron Stream		90 4 1/2		39 1/2		60 1/2				90 4 1/2										"		90 2 3/4		15 1/2 90 2 3/4							
Steel Wire		90 4 1/2		39 1/2		60 1/2				90 4 1/2										"		2 1/2 90 2 1/2		12 1/2 90 2 1/2							
Boats		2 Life Cutters, 1 Gig, 1 Dinghy																		Steering Gear, Steam		Good		Steering Gear, Hand		Good					
Pumps, Number		One 6" Downton 1 1/2" lift in 1/2" stroke																		Diameter of Barrel				State whether they are in efficient working order		Yes					
Windlass is		Iron Patent																		Capstan											
Engine Room Skylights.		How constructed? Steel plates & angles																		What arrangements for deadlights in bad weather?		Steel shutters & lights									
Coal Bunker Openings.		How constructed? Built angles																		How are lids secured?		Battered		Height above deck?		10"					
Number of Scuppers, and numbers and dimensions of Freeing Ports, &c.		Open rails on Shutter 24																													
Ceiling in Holds, thickness and material		2 1/2" W.P. over timbers only																		Cargo Battens, thickness and material		7 x 2 W.P.									
Cargo Hatchways.		How formed? Steel plates & angles																		Hatches, If strong and efficient?		Yes									
State size No. 1 Hatch (Forward)		29.2 x 22.0																		No. 2 Hatch		31.3 x 22.0		No. 3 Hatch		29.2 x 22.0		No. 4 Hatch		29.2 x 22.0	
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch		5 Webs in each before & after																													
Cross Bunkers, rated 16.8 x 18.0 with 3 Webs																				No. of Breasthooks		9		No. of Crutches		28 deep floor					
Bulwarks, height above deck and description		Open rails																		Main Rail and Stays, material and size											
The foregoing is a correct description.		FOR THE MESSRS. JAMES WATSON & CO. LTD.																		Surveyor's Signature		E. J. Milton		Surveyor to Lloyd's Register of British and Foreign Shipping.							
Builder's Signature (here only)		Richd. Barlick																													
Correspondence.		State dates and initials of letters respecting this case (Reference should be made in any correspondence connected with the case)																													
M 11.3.14 20.3.14 28.3.14																															
Workmanship.		Are the butts of plating planed or otherwise fitted? Lapped and planed																													
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—(continued).

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) *1 Deck (Steel) and Shelter Deck (Steel)*
Official No. *136812*; Signal Letters *JKHN*. State if Machinery is fitted aft *No*
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. D/B*

Where Fitted.	Length. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	<i>125</i>	<i>389</i>	Fore peak tank,		
Double bottom, under Engines and Boilers,	<i>41.8</i>	<i>186</i>	After peak tank,	<i>22.1</i>	<i>143</i>
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	<i>162.6</i>	<i>607</i>	Other tanks, if fitted,		
Total capacity of double bottom		<i>1182</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. *4517*

Date *24.3.1914*

No. *223* in builder's yard.

DATES of Surveys held while building

1914
May 12, 29, Jun 5, 11, Jul 7, 9, 15, 17, 21, 23, 27, 29, 31, Aug 5, 7, 12, 14, 18, 20, 24, 27, 28, Sep 1, 2, 8, 11, 15, 16, 24, 29, 30, Oct 2, 6, 8, 13, 15, 19, 20, 21, 26, 28, 30, Nov 2, 5, 10, 13, 17, 20, 26, Dec 3, 8, 14, 15, 22
1915
Feb 11, 18, Mar 3, 9, 12, 15, 16, 19, 20, 22.

Surveyor's Signature



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Total No. of Visits *63*

E. J. Hilton
Foundation