

# Spar, or Awning Dk. IRON OR STEEL STEAMER.

No. 12998

Port of WEST HARTLEPOOL Date of completion of Report 26<sup>th</sup> June 1906 Received at London Office MON 2<sup>nd</sup> July 1906  
 Survey held at West Hartlepool Date, First Survey 12<sup>th</sup> January Last Survey 26<sup>th</sup> June 1906  
 On the S.S. Bowther Range Rig Schooner

TONNAGE under  
Tonnage Deck 3588.36  
Do. between Tonnage Dk.  
and 3rd, 4th, Spar or  
Awning Dk.  
Total under Upper Dk. 3588.36  
Do. of Poop  
Do. of Bridge House  
Do. of Forecasts  
Do. of Houses on Deck  
Do. of excess of Hatchways  
Do. above Crown of  
the Room  
Tonnage 3792.19  
Crew Space 63.92  
above Crown of  
Engine Room 58.36  
TONNAGE FOR FEES... 3669.91  
Engine Room 1213.50  
Navigation Spaces 47.07  
Register Tonnage 2467.70  
cut on Beam...

SPAR, AWNING OR PART AWNING-DECKED VESSEL,  
of a Vessel having a continuous Shade Deck.  
CLASS 100A

Master Not yet appointed  
Year of Appointment (1) As Master in service of owner of present vessel: -18-  
(2) As Master of this vessel: -18-

Do. of Poop  
Do. of Bridge House  
Do. of Forecasts  
Do. of Houses on Deck  
Do. of excess of Hatchways  
Do. above Crown of  
the Room  
Tonnage 3792.19  
Crew Space 63.92  
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Engine Room 58.36  
TONNAGE FOR FEES... 3669.91  
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cut on Beam...

FEET.  
Half Breadth (moulded) 23.41  
Depth from upper part of keel to top of Main Deck Beams 23.83  
Girth of Half Midship Frame (as per Rule) 42.66  
1st Number 89.90  
Length 338.16  
2nd Number 30400  
Proportions—Breadths to Length 7.22  
Depths to Length—Main Deck to top of Keel 14.19  
Destined Voyage Savona via Suez

Built at West Hartlepool  
When built 1906 Launched 7<sup>th</sup> May  
By whom built Purness, Withy & Co. Ltd  
Owners Reptone Steam Navigation Co. Ltd  
Managers F. W. Bolam  
(Where necessary to be entered in Reg. Book.)  
Residence Newcastle  
Port belonging to Sunderland

LENGTH on Deck Feet. Inches. 338 2 BREADTH—Feet. Inches. 46 10 DEPTH, top of Floors to Spar—Feet. Inches. 27 4 Dk. Beams Feet. Inches. 27 4 1/2 Power of Engines 10 Horse. No. of Decks with flat laid One No. of Tiers of Beams Two  
Dimensions of Ship per Register, Length 340.0 breadth 47.1 depth 27.4 Spar Awning Dk. Moulded depth, ft. 22 ins. 10 To Main Dk. Round up of Beam, ft. 12 ins. 3 ins.

FRAMING.		Inches in Ship.	Inches in Ship.	20ths in Ship.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.	20ths in Ship.
FRAME, <u>Plating</u> Bars, for $\frac{1}{2}$ length amidships		7	3 1/2	12	7	3 1/2	12
Do. for $\frac{1}{2}$ at each end		7	3 1/2	11	7	3 1/2	11
Do. in way of Double Bottoms at Solid Floors		Plating flanged top and bottom					
Distance of Frames from moulding edge to moulding edge, all fore and aft							
TURNED FRAME, Angles							
DEEP FRAMING, depth of girder							
LOORS, depth and thickness of Floor Plate at mid-line for $\frac{1}{2}$ length amidships							
" in way of Engines and Boilers							
" thickness at the ends of vessel							
" depth at $\frac{1}{2}$ the half-bdth. as per Rule							
" height extended at the Bilges							
LOORS & BRACKETS, in Cell Dble Bottoms		41	28	9	41	28	9
Distance apart							
ENTRE GIRDER, in Double bottom, depth and thickness		41	10	41	10		
" Angles, Top		4	4	9	4	4	9
" Bottom		4	4	12	4	4	12
IDE GIRDERS, number and thickness		3 1/2	3 1/2	8	3 1/2	3 1/2	8
Angles <u>Vertical</u>							
MARGIN PLATE, depth (exclusive of flange) and thickness		33	9	33	9		
Angles		4	4	9	4	4	9
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake		60	10	60	10		
" thickness in Engine and Boiler space			20 1/2	10		20 1/2	10
Remainder in Holds							
BEAMS, Spar <u>Awning</u> Deck, Single Angle, Bulb Angle, Plate or Tee Bulb		9	3	12	9	3	12
Angles on upper edge							
Average space			28			28	
BEAMS, Main Deck, Single Angle, Bulb Angle, Plate or Tee Bulb		12	12	12	12		
Angles on upper edge		3 1/2	3 1/2	10	3 1/2	3 1/2	10
Average space							
BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb							
Angles on upper edge							
Average space							
BEAMS, Hold, or Orlop, Plate or Tee Bulb							
Angles on upper edge							
Average space							
BEAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb		6	3	9	6	3	9
Angles on upper edge							
Average space			28			28	
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate or Tee Bulb		7	3	10	7	3	10
Angles on upper edge							
Average space			28			28	
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb		6	3	9	6	3	9
Angles on upper edge							
Average space			28			28	
BEAMS, In 'tween Deck, size and spacing		2 1/2	5 1/2	2 1/2	5 1/2		
" Hold							
" Quarter, 'tween Dks.		5 1/2	5 1/2	5 1/2	5 1/2		
" in Hold							
WEB FRAMES, In Fore Body, No. and spacing		7	As per profile				
" No. of Side Stringers		18	24	11	3	18	24
WEB FRAMES, In E. & B. Space, No. & spacing		18	24	11	3	18	24
" No. of Side Stringers		18	24	11	3	18	24
WEB FRAMES, In After Body, No. and spacing		7	As per profile				
" No. of Side Stringers		18	24	11	3	18	24
" Size of Angle, Tee, or Web Frames		6	4	12	6	4	12
BRACKET PLATES to Stringers between Web Frames, depth and thickness		18	9	18	9		

FORGINGS AND CASTINGS.		Inches in Ship.	Inches in Ship.	20ths in Ship.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.	20ths in Ship.
KEEL, Bar or Side Plates, depth and thickness							
STEM, moulding and thickness		11 x 2 1/2		11 x 2 1/2			
STERN-POST for Rudder do. do.		11 x 6 1/2		11 x 6 1/2			
" for Propeller		11 x 6 1/2		11 x 6 1/2			
MAIN PIECE of Rudder, diameter at head do. at heel		9 1/2		9 1/2			
RUDDER, how constructed		Single plate as per approved plan					
Can the Rudder be unshipped afloat?		Yes.					
KEELSONS AND STRINGERS.		Inches in Ship.	Inches in Ship.	20ths in Ship.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.	20ths in Ship.
CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate							
" Rider Plate							
" Bulb Plate to Intercoastal Keelson							
" Horizontal Plates on Floors							
" Angles							
SIDE KEELSON, Angles							
" Bulb or Plate above floors, for lng.							
" Intercoastal Plate, for length							
" Attached to outside plating with Angle							
BILGE KEELSON, Angles							
" Bulb or Plate above floors, for lng.							
" Intercoastal Plate, for length							
" Attached to outside plating with Angle							
BILGE STRINGER Angles							
" Bulb Plate, for length							
" Intercoastal Plate, for length							
" Attached to outside plating with Angle							
SIDE STRINGER Angles							
" Bulb or Intercoastal Plate, for lng.							
" Attached to outside plating with Angle							
Spar, <u>Awning</u> Deck Stringer Plates, breadth and thickness		53	11	53	11		
" Angle on ditto		4 x 4	9	4 x 4	9		
" Tie Plates, fore and aft, outside Hatchways							
" Diagonal Tie Plates, No. of prs.							
" Deck, * Iron or Steel, for whole lng.		2 1/2	7	2 1/2	7		
" Wood Deck, Material & thickness							
Main Deck Stringer Plate, breadth & thickness		60	12	60	12		
" Angles on ditto, No. 2		4 x 4	9	4 x 4	9		
" Tie Plates, outside Hatchways		3 1/2	10	3 1/2	10		
" Diagonal Tie Plates, No. of prs.							
" Deck, * Iron or Steel, for lng.							
" Wood Deck, Material & thickness							
Lower Deck Stringer Plates, br'dth & th'kns							
" Angles on ditto, No.							
" Tie Plates, outside Hatchways							
" Deck, * Material and thickness							
Hold, or Orlop Stringer Plate, br'dth & th'kns							
" Angles on ditto, No.							
" Tie Plates, outside Hatchways							
" Deck, Material and thickness							
Poop Deck Stringer Plate, breadth & thickness		Iron 5 1/2	8	5 1/2	8		
" Angles on ditto		3 1/2 x 3 1/2	8	3 1/2 x 3 1/2	8		
" Tie Plates							
" Deck, Material and thickness		Iron 5 1/2	8	5 1/2	8		
Bridge Deck Stringer Plate, br'dth & thickness		50	8	50	8		
" Angle on ditto		3 1/2 x 3 1/2	9	3 1/2 x 3 1/2	9		
" Tie Plates							
" Deck, Material and thickness		Iron 5 1/2	8	5 1/2	8		
Forecastle Deck Stringer Plate, br'dth & th'kns		3 1/2 x 3 1/2	8	3 1/2 x 3 1/2	8		
" Angle on ditto							
" Tie Plates							
" Deck, Material and thickness		Iron 5 1/2	8	5 1/2	8		

BULKHEADS.		Number.	Thickness.	STIFFENERS.			Single or Double Frames.	Height up.
In Vessel.	Per Rule.			Horizontal.	Vertical.	Spacing.		
				Inches.	Inches.	Inches.		
W. T. BULKHEADS	6	6	7.6	15	3 1/2	15	48	48
PARTITION				B. A.	B. A.			
LONGITUDINAL								

Are the outside Plates doubled two spaces of Frames in length? Diamond Liners.



## RIVETING.

Compulsory

Spar or Lining Butts, ~~treble~~ <sup>treble</sup> riveted for half length amidship.  
Stringer Plate Straps, single, double or overlapped for whole length amidship.  
Main Stringer Butts, treble riveted for whole length amidship.  
Plate Straps, single, double or overlapped for whole length amidship.  
Butts of Buge & Side Stringers and Tie Plates, ~~treble~~ or double riveted?  
Inner Bottom Plating, riveting of Edges Double Single Butts Double  
Centre Girder Butts, treble riveted Keelson Butts, — riveted.  
Frames, riveted through Plates with 28 in. Rivets, about 5 1/2 apart.  
Rivets, state whether Iron or Steel Iron

FRAMES extend in one length from *trunk margin plate to deck. (Floors flanged top and bottom)*  
 REVERSED FRAMES on floors and frames extend from *Built angle frames.*

MASTS, SPARS, &c.

		DIAMETER AND THICKNESS.					No. of Plates in round.	ANGLES.		RIVETING.		
		Material.	Total Length	At Partners.	Heel.	Hounds.	Head.	Number.	Size.	Seams.	Butts.	
LOWER MASTS....	Fore .....	Steel	49'-0"	19'-50	18'-50		15 1/2'-50	2	✓	✓	Single	Double.
	Main .....	"	50'-0	" "	" "		" "	"	✓	✓	"	"
	Mizen .....	✓										
Bowsprit ✓												
Topmasts, <del>Yard</del> and Remainder of Spars		Pine.										
Rigging, Material and Size.		Shrouds Wire 4"										
Sails.		One Suit of Stays Wire 4 1/2"										
		Sails, and the following spare sails										

EQUIPMENT No. 37354 LETTER to New table ANCHORS.

[illegible]

## CHAIN CABLES.

Number of Certificate.	Fathoms.	Size.	Test per Certificate. Tons.	WEIGHT OF CHAIN CABLE.		Fathoms and Size Per Rule.	Description.	Makers of Cables.	When and where tested, and Superintendent.	Material.	Fathoms.	Size.	Breaking Test of Steel Wire Towline.	Fathoms and Size Per Rule.	
				Supplied.	Per Rule.										
1137	135	2 7/8	107.785	285.25	572.2-14	270.2 7/8	Stud	B. Lykes & Co.	24.4.01. Bradley Heath	TOWLINE	S. 10.	120	4 1/2	39	120. 4 1/2
1186	135	"	"	288.2-10				Long Ld.	30.4.06. S.H. Rudley	HAWSE	similar	90	3 1/2	22	2 1/2 90.7
1390		2 7/8	78.5	16	lopping		Shackles.	"	22.5.06. Do.	WARP	2 1/2 "	90	7		2- 90.7
Two Stream Chain (or Steel Wire ...)	90	4 1/2	39	5740.15		90. 4 1/2				"	2 1/2 "	90	7		

## HAWSERS AND WARPS.

Number of Certificate.	Fathoms.	Size.	Test per Certificate. Tons.	WEIGHT OF CHAIN CABLE.		Fathoms and Size Per Rule.	Description.	Makers of Cables.	When and where tested, and Superintendent.	Material.	Fathoms.	Size.	Breaking Test of Steel Wire Towline.	Fathoms and Size Per Rule.	
				Supplied.	Per Rule.										
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1390		2 7/8	78.5	16	lopping		Shackles.	"	22.5.06. Do.	WARP	2 1/2 "	90	7		2- 90.7
Two Stream Chain (or Steel Wire ...)	90	4 1/2	39	5740.15		90. 4 1/2				"	2 1/2 "	90	7		

Boats *2 Life and 1 other*  
Pumps, Number *One fly wheel pump connected to steam suction pipes in each compartment.*  
Windlass is *Emerson, Walker & Thompson Bro's* Capstan *—*  
Engine Room Skylights. — How constructed? *Steel on trunk bulkheads.*  
What arrangements for deadlights in bad weather? *Bulls eyes in steel shutters.*  
Coal Bunker Openings. — How constructed? *Steel coamings.* How are lids secured? *By hatch bars.* Height above deck? *12"*  
Number of Scuppers, and number and dimensions of Freeing Ports, &c. *On each side, 9 scuppers, and 9 ports 36" x 15"*  
Ceiling in Holds, thickness and material *2 1/2" white pine* Ceiling 'tween Decks, thickness and material *Sparring 6 x 2 lb. pine*  
Cargo Hatchways. — How formed? *Of plates and angles.* Hatches, If strong and efficient? *Solid 2 1/2"*  
State size No. 1 Hatch (Forward) *23-4 x 16-0 x 48* No. 2 Hatch *25-8 x 16-0 x 45* No. 3 Hatch *25-8 x 16-0 x 48* No. 4 Hatch *25-8 x 16-0 x 33*  
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch *2 deep web plates and 3 fore & afters.*  
No. of Breasthooks *pine* No. of Crutches *28 deep floors*  
Bulwarks, height above deck and description *3" 6" Steel plating.* Main Rail, material and size *Bull angle 6 x 3*  
The above is a correct description. *Stays 1 1/4 dia*  
Builder's Signature (here only) *For FURNESS, WITBY & CO., LIMITED.* Surveyor's Signature *J. S. Thompson* Surveyor to Lloyd's Register of British & Foreign Shipping.

Form No. 10.

V. Jackson

British & Foreign Shipping.



**Correspondence.**—State dates and initials of letters respecting this case (Reference should be made to any correspondence connected with this case) *10<sup>th</sup> July 4*  
*30<sup>th</sup> Nov. 1905. 27<sup>th</sup> Feb. 1906. M.*

**Workmanship.** Are the butts of plating planed or otherwise fitted? *Planed.*

Is the riveted work properly closed? *Yes.*

Are the liners between the frames and plates solid single pieces? *Yes.*

to plate, &c., conform well to each other? *Yes.*

from the faying surfaces? *Yes.*

Do the holes for riveting plate to frames, butt straps, or plate

Are the rivet holes well and sufficiently countersunk in the plate and punched

Are the butts of Plating, Stringers, &c., properly shifted and strapped? *Yes.*

**General Remarks** (State quality of workmanship, &c.) *The workmanship throughout is good.*

*This vessel is built in accordance with photo. of approved midship section forwarded to London on 26<sup>th</sup> June 1906, the accompanying approved midship section, the other approved plans attached to 1<sup>st</sup> Entry Report on S.S. "Haverstoe", the Secretary's letters referred to above, and in general conformity with the Rules for the Class contemplated.*

*The watertight doors are in efficient working order.*

*All the upper and weather decks have been tested as required by Rule with satisfactory results.*

*The bottom is coated with enamel cement (Furness, Withy & Co.) and a letter from the Owners approving of the same is forwarded herewith.*

*Is a sister vessel to the "Heathpool", Npl. Report No. 12972.*

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

**ARTICULARS FOR RECORD in the REGISTER BOOK.**—Length of Poop *31* ft., R.Q.D. or Break *—* ft., Bridge Dk. *105* ft., F'castle *31* ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated *✓*

o. 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) *Spar dk. (pl. steel & pl. iron), 2 tiers of beams & web frames.*

Official No. ; Signal Letters

How are the surfaces preserved from oxidation? Inside *By enamel cement & paint.* Outside *By paint.*

**ARTICULARS OF WATER BALLAST.** ~~State whether~~ the Double bottom is constructed on the cellular system

Where fitted.	Length.		Where fitted.	Length.	
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft,	<i>112</i>	<i>245</i>	Fore peak tank,	<i>✓</i>	<i>31</i>
Double bottom, forward,	<i>46 3/4</i>	<i>136</i>	After peak tank,	<i>✓</i>	<i>✓</i>
Double bottom, under Engines and Boilers,	<i>130 3/4</i>	<i>314</i>	Midship deep tank,	<i>✓</i>	<i>✓</i>
Double bottom, if under Engines only,	<i>✓</i>	<i>695</i>	Other tanks, if fitted,	<i>✓</i>	<i>✓</i>
Double bottom, if under Boilers only,	<i>✓</i>	<i>695</i>	(If necessary, furnish further information by sketch.)		

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

Order for Special Survey No. *1999*

Date *17<sup>th</sup> Feb. 1906*

Order for Ordinary Survey No. *✓*

Date *✓*

*292* in builder's yard.

DATES of Surveys held while building as per Section 18.

- 1st. On the several parts of the frame, when in place, and before the plating was wrought
- 2nd. On the plating during the process of riveting
- 3rd. When the beams were in and fastened, and before the decks were laid
- 4th. When the ship was complete, and before the plating was finally coated or cemented
- 5th. After the ship was launched and equipped

*1906. Jan. 12. 19. 23. 26. 29. 31. Feb. 2. 5. 7. 9. 12. 14. 16. 19. 21. 23. 26. 28. 30. Mar. 2. 5. 7. 9. 13. 16. 19. 21. 23. 26. 28. 30. Apr. 3. 5. 7. 9. 11. 19. 24. 25. 27. 30. May 1. 24. 7. 23. 31. June 7. 12. 14. 15. 19. 21. 26.*

Total No. of Visits *53.*

Amount of Entry Fee.....£ *5*  
 Special Survey Fee.....£ *115*  
 Travelling Expenses, if any £ *✓*

Fees applied for, *26. 6. 1906*  
 Received by me, *27. 6. 1906*

Certificate to be sent to

*West Hartlepool*

In opinion this Vessel should be Classed *B 100 A1, Spar Deck.*  
 with, or without Freeboard, as condition of Class *5-8 1/2*

*Jo<sup>s</sup> Thomson*  
 Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute

TUES. 3 JUL 1906

Character assigned

*100 A1 (See)  
 spar dk with 100 5-8 1/2  
 Lloyd's A1CP + Lmc 6.06*