

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

No. 12697

State of Report is also sent on the Machinery of the Vessel *Yes*  
Port of *WEST HARTLEPOOL*. Date of completion of Report *15 Sept 1905* Received at London Office *SAL. 2 SEP 1905*  
Survey held at *West Hartlepool* Date, First Survey *23rd February* Last Survey *1st Sept.* *1905*  
On the *S.S. Apollo* Rig *Schooner*

TONNAGE under  
Tonnage Deck...  
Do. between Tonnage Dk.  
and 3rd, 4th, Spar or  
Awning Dk.  
Total under Upper Dk. *3547.87*  
Do. of Poop...  
Do. of Bridge House...  
Do. of Forecastle...  
Do. of Houses on Deck...  
Do. of excess of Hatchways...  
Do. above Crown of  
om...  
age...  
pace...  
rown of...  
oom...  
R FEES...  
Room...  
tion Spaces...  
Tonnage...  
Beam... *2443.00*

SPAR, ~~AWNING OR PART AWNING-DECKED~~ VESSEL,  
or a Vessel having a continuous Shade Deck.

CLASS *100 A*

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 *304.00*  
Proportions—Breadths to Length *7.22*  
Depths to Length—Main Deck to top of Keel *14.19*

Destined Voyage *London*Master *S. Shirley*Year of Appointment *1904*Built at *West Hartlepool*When built *1905* Launched *17th June*By whom built *Furness, Withy & Co. Ltd*Owners *Harris & Dixon Ltd*

Managers

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

Residence *London*Port belonging to *London*

Surveyed while Building, Afloat, &amp; in Dry Dock

on Deck *338* *2* BREADTH *46* *10* DEPTH, top of Floors to Spar *27* *42* Power of Engines *12* No. of Decks with flat laid *One*  
Main Deck *29* *10* Spar *22* *10* To Main Dk. *12* ins.  
of Ship per Register, Length *340.1* breadth *47.1* depth *27.4* Spar *22* *10* To Main Dk. *12* ins.  
Main Deck *29* *10* Spar *22* *10* To Main Dk. *12* ins.

FRAMING.				FORGINGS AND CASTINGS.			
Inches in Ship.	Inches in Ship.	20ths per Rule Or as Approved.	Inches in Ship.	Inches in Ship.	20ths per Rule Or as Approved.	Inches in Ship.	Inches per Rule Or as Approved.
Angles, or <i>LE</i> Bars, for $\frac{1}{2}$ length amidships	7 3 12	7 3 12	7 3 12	KEEL, Bar or Side Plates, depth and thickness	11 x 2 3 4	11 x 2 3 4	11 x 2 3 4
at each end	7 3 11	7 3 11	7 3 11	STEM, moulding and thickness	Cast & forged	11 x 6 1 2	11 x 6 1 2
way of Double Bottoms at Solid Floors	Floors flanged top and bottom	28	28	STERN-POST for Rudder do. do.	Cast & forged	11 x 6 1 2	11 x 6 1 2
at intermdt. Bkts.				" for Propeller	Cast & forged	11 x 6 1 2	11 x 6 1 2
" of Frames from moulding edge to				MAIN PIECE of Rudder, diameter at head	Cast & forged	6 3 4	6 3 4
ing edge, all fore and aft				do. at heel	Cast & forged	6 3 4	6 3 4
USED FRAME, Angles				RUDDER, how constructed	Single plate as per approved plan.		
FRAMING, depth of girder				Can the Rudder be unshipped afloat?	Yes.		
IS, depth and thickness of Floor Plate				KEELSONS AND STRINGERS.			
at mid-line for $\frac{1}{2}$ length amidships				CENTRE LINE KEELSON, Vertical Plate above			
in way of Engines and Boilers				floors, Through Plate, or Intercoastal Plate			
thickness at the ends of vessel				" Rider Plate			
depth at $\frac{1}{2}$ the half-bdth. as per Rule				" Bulb Plate to Intercoastal Keelson			
height extended at the Bilges				" Horizontal Plates on Floors			
IS & BRACKETS, in Cell Dble Bottoms	41	28	9	Angles			
Distance apart	41	28	9	SIDE KEELSON, Angles			
IE GIRDER, in Double bottom, depth	41	10	41	" Bulb or Plate above floors, for			
and thickness	4	4	9	Intercoastal Plate, for			
" Angles, Top	4	4	12	Attached to outside plating with Angle			
" Bottom	4	4	12	BILGE KEELSON, Angles			
GIRDERS, number and thickness	3 3 12	8	3 3 12	" Bulb or Plate above floors, for			
Angles	3 3 12	8	3 3 12	Intercoastal Plate, for			
IN PLATE, depth (exclusive of flange)	33	9	33	Attached to outside plating with Angle			
and thickness	4	4	9	BILGE STRINGER Angles			
Angles	4	4	9	" Bulb Plate, for			
R BOTTOM PLATING, breadth and	60	10	60	Intercoastal Plate, for			
thickness of Middle Line Strake	10	11	10	Attached to outside plating with Angle			
" thickness in Engine and Boiler space	8 7	8 7	8 7	SIDE STRINGER Angles			
Remainder in Holds	9	3	12	" Bulb or Intercoastal Plate, for			
IS, Spar or Awning Deck, Single Angle	9	3	12	Attached to outside plating with Angle			
Bulb Angle, Plate or Tee Bulb				Spar, or Awning Deck Stringer Plates,	53	11	53
Angles on upper edge	12	28	12	breadth and thickness	4 x 4	9	4 x 4
Average space	3 3 10	3 3 10	3 3 10	Angles on ditto	4 x 4	9	4 x 4
IS, Main Deck, Single Angle, Bulb	3 3 10	3 3 10	3 3 10	Tie Plates, fore and aft, outside Hatchways	3 8	7	3 8
Angle, Plate or Tee Bulb				Diagonal Tie Plates, No. of prs.	3 8	7	3 8
Angles on upper edge	3 3 10	3 3 10	3 3 10	Deck, * Iron or Steel, for whole	60	12	60
Average space	3 3 10	3 3 10	3 3 10	Wood Deck. Material & thickness	4 x 4	9	4 x 4
IS, Lower Deck, Single Angle, Bulb	3 3 10	3 3 10	3 3 10	Main Deck Stringer Plate, breadth & thickness	3 4	10	3 4
Angle, Plate or Tee Bulb				Angles on ditto, No.	3 4	10	3 4
Angles on upper edge	3 3 10	3 3 10	3 3 10	Tie Plates, outside Hatchways	3 4	10	3 4
Average space	3 3 10	3 3 10	3 3 10	Diagonal Tie Plates, No. of prs.	3 4	10	3 4
IS, Hold, or Orlop, Plate or Tee Bulb	3 3 10	3 3 10	3 3 10	Deck, * Iron or Steel, for	3 4	10	3 4
Angles on upper edge	3 3 10	3 3 10	3 3 10	Wood Deck. Material & thickness	3 4	10	3 4
Average space	3 3 10	3 3 10	3 3 10	Lower Deck Stringer Plates, br'dth & thckn's	3 4	10	3 4
IS, Poop Deck, Angle, Bulb Angle, Plate	6	3	9	Angles on ditto, No.	3 4	10	3 4
Angle, Plate or Tee Bulb	6	3	9	Tie Plates, outside Hatchways	3 4	10	3 4
Angles on upper edge	6	3	9	Deck, * Material and thickness	3 4	10	3 4
Average space	6	3	9	Hold, or Orlop Stringer Plate, br'dth & thckn's	3 4	10	3 4
IS, Bridge Deck, Angle, Bulb Angle, Plate	7	3	10	Angles on ditto, No.	3 4	10	3 4
Angle, Plate or Tee Bulb	7	3	10	Tie Plates, outside Hatchways	3 4	10	3 4
Angles on upper edge	7	3	10	Deck, Material and thickness	3 4	10	3 4
Average space	7	3	10	Poop Deck Stringer Plate, breadth & thickness	3 4	10	3 4
IS, Forecastle Deck, Angle, Bulb Angle, Plate	6	3	9	Angles on ditto	3 4	10	3 4
Angle, Plate or Tee Bulb	6	3	9	Tie Plates	3 4	10	3 4
Angles on upper edge	6	3	9	Deck, Material and thickness	3 4	10	3 4
Average space	6	3	9	Bridge Deck Stringer Plate, br'dth & thickness	3 4	10	3 4
LAKS, In 'tween Deck, size and spacing	2 3 5 6	2 3 5 6	2 3 5 6	Angles on ditto	3 4	10	3 4
" Hold	5 4 5 6	5 4 5 6	5 4 5 6	Tie Plates	3 4	10	3 4
" Quarter, 'tween Deck	5 4 5 6	5 4 5 6	5 4 5 6	Deck, Material and thickness	3 4	10	3 4
" in Hold	5 4 5 6	5 4 5 6	5 4 5 6	Forecastle Deck Stringer Plate, br'dth & th'kns	3 4	10	3 4
BB-FRAMES, In Fore Body, No. and spacing	3 18 24 11	3 18 24 11	3 18 24 11	Angles on ditto	3 4	10	3 4
" No. of Side Stringers	3 18 24 11	3 18 24 11	3 18 24 11	Tie Plates	3 4	10	3 4
BB-FRAMES, In E. & B. Space, No. & spacing	3 18 24 11	3 18 24 11	3 18 24 11	Deck, Material and thickness	3 4	10	3 4
" br'dth. & thickness	3 18 24 11	3 18 24 11	3 18 24 11	Side Stringer Plate, br'dth & th'kns	3 4	10	3 4
BB-FRAMES, In After Body, No. and spacing	3 18 24 11	3 18 24 11	3 18 24 11	Angles on ditto	3 4	10	3 4
" br'dth. & thickness	3 18 24 11	3 18 24 11	3 18 24 11	Tie Plates	3 4	10	3 4
" No. of Side Stringers	3 18 24 11	3 18 24 11	3 18 24 11	Deck, Material and thickness	3 4	10	3 4
" Size of Angles or Tee Bars to Web Frames	3 18 24 11	3 18 24 11	3 18 24 11	BRACKET PLATES to Stringers between	3 4	10	3 4
BRACKET PLATES to Stringers between	3 18 24 11	3 18 24 11	3 18 24 11	Web Frames, depth and thickness	3 4	10	3 4
Web Frames, depth and thickness	3 18 24 11	3 18 24 11	3 18 24 11				



PLATING.										RIVETING.									
STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.		Lower EDGES.				BUTTS.								
	AMIDSHIP.		FORWARD.		AFT.		AMIDSHIP.		Single or Double.	Breadth of Lap.	RIVETS.		Double or Treble and for what Length.	RIVETS.		STRAPS.		IF LAPPED.	
	Breadth.	Thickness.	Thickness.	Thickness.	Breadth.	Thickness.	Diam.	Spacing cr. to cr.			Diam.	Spacing cr. to cr.		Breadth.	Thickness.	Breadth.	For what Length.		
FLAT PLATE KEEL	48	21	13	13	48	21													
(If Bar Keel, state Riveting)																			
GARBOARD or A Strake	66	13	12	12	66	13	Double	6	1	4	Double	18	4	2 1/2	9	13	12	Whole	
B "	66	12	9	9	66	12	"	5 1/2	7/8	3 1/2	"	"	"	"	"	"	"	"	"
C "	66	12	10	10	66	12	"	"	"	"	"	"	"	"	"	"	"	"	"
D "	66	13	10	10	66	13	"	"	"	"	"	"	"	"	"	"	"	"	"
E "	66	13	10	10	66	13	"	"	"	"	"	"	"	"	"	"	"	"	"
F "	67	13	10	10	67	13	"	"	"	"	"	"	"	"	"	"	"	"	"
G "	70	12	10	10	70	12	"	"	"	"	"	"	"	"	"	"	"	"	"
H "	60	12	10	10	60	12	"	"	"	"	"	"	"	"	"	"	"	"	"
J "	72	12	10	10	72	12	"	"	"	"	"	"	"	"	"	"	"	"	"
K "	40	13	20	10	40	13	"	6	1	4	"	3 1/4	1	4	"	"	14	"	"
L "																			
M "																			
N "																			
O "																			
P "																			
Q "																			
DOUBLING of Flat Plate Keel																			
Length and thickness of Bilges																			
of Sheerstrakes																			
of Strake below																			
POOP SIDES				7		7	lg.	3	3/4	3 1/2	Dble.	3/4	2 1/2				5	Whole	
BRIDGE SIDES	10				10		"	3	3/4	3 1/2	"	3/4	2 1/2				6	"	
FORECASTLE SIDES		7			7		"	3	3/4	3 1/2	"	3/4	2 1/2				5	"	
Manufacturer's name or trade mark of the Steel (state process of manufacture of Steel) used for Frames, Floors, Beams, Keelsons, Tie and Stringer Plates, Plating, &c.?										Spar-Stringer (Butts, riveted for half length amidship.									
South Durham; Consett; Palmers, Ramarkshire; and Steel Co. of Scotland.										Stringer Plate (Straps, single, double or overlapped for whole length amidship.									
Siemens process.										Main Stringer (Butts, treble riveted for whole length amidship.									
Iron: - South Durham.										Plate (Straps, single, double or overlapped for whole length amidship.									
										Butts of Bilge & Side Stringers and Tie Plates, treble and double riveted?									
										Inner Bottom Plating, riveting of Edges Dble & lg. Butts Double									
										Centre Girder Butts, treble riveted Keelson Butts, riveted.									
										Frames, riveted through Plates with 7/8 in. Rivets, about 5 1/2 apart.									
										Rivets, state whether Iron or Steel Iron									
FRAMES extend in one length from tank margin plate to deck. (Floors flanged top and bottom)																			
REVERSED FRAMES on floors and frames extend from Built angle frames.																			
MASTS, SPARS, &c.																			
Material. Total Length At Partners Heel. Hounds. Head. No. of Plates in round. ANGLES. Riveting.																			
LOWER MASTS. Fore Steel 50-0 19 20 18 1/2 15 1/2 2 Single Treble.																			
Main " 50-6 " " " " " " " " "																			
Mizen " " " " " " " " "																			
Bowsprit																			
Topmasts, Yards and Remainder of Spars Pine																			
Rigging, Material and Size, Shrouds Wire 4																			
Sails. One Suit of Sails, and the following spare sail.																			
Stays wire 4 1/2																			
EQUIPMENT No. 37354 LETTER 40. ANCHORS.																			
Number of Certificate. Anchors. WEIGHT, EX. STOCK. WEIGHT OF STOCK. TEST, PER CERTIFICATE. WEIGHT REQ. BY RULE. Description of Anchor. Makers. Where and when tested and Superintendent.																			
27799 1st Bower 52 2 21 Stockless 44 1 7 52 2 - Britannia																			
27801 2nd " 52 2 - " 43 18 3 - 52 2 - " R. Lykes																			
27800 3rd " 44 2 7 " 38 18 3 - 44 32 - " " 13th April 1905																			
Collective weight 149 3 - 149 32 - " " C. E. Perrins.																			
27859 Stream 14 - 7 3 2 5 15 12 2 - 14 - - " " Tested at Ruseldorf by J. Meyer.																			
27858 Kedge 6 - - 1 2 - 8 5 - - 6 - - " " John Green																			
2nd Kedge " " " " " " " " " 22nd April 1905																			
C. E. Perrins.																			
CHAIN CABLES. 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.																			
28720 270 2 1/2 7 1/2 10 7 1/2 5 7 1/2 12 5 7 1/2 2 1/4 270 2 1/2 Steel John Green 28.4.05, Lipton, C. E. Perrins.																			
TOWLINE 1/4 in. 120 4 1/2 39 120 4 1/2																			
HAWSER Hemp 90 3 1/2 22 25 90 7																			
WARP 2 off " 90 7 25 90 7																			
Stream " 90 4 1/2 39 90 4 1/2																			
Steel Wire " " " " " " " " " " "																			
Boats 2 life and 1 other.																			
Pumps, Number One, wheel pump connected to the steam bilge suction pipes in each compartment, & deck pump in forepeak.																			
Windlass is Clarke, Chapman & Co. 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 coverings 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 lb. pine. Ceiling 'tween Decks, thickness and material 6 x 2 lb. pine sparring.																			
Cargo Hatchways. - How formed? Of plates and angles. Hatches, If strong and efficient? Solid 2 1/2"																			
State size No. 1 Hatch (Forward) 25-4 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 Nine No. of Crutches 28 deep floors.																			
Bulwarks, height above deck and description 3-6. Steel plating Main Rail, material and size Bulwark 6 x 3 1/2 dia.																			
The above is a correct description.																			
Builder's Signature (here only.) For FURNESS, WITBY & CO., LIMITED. Surveyor's Signature J. S. Thomson																			
Surveyor to Lloyd's Register of British & Foreign Shipping.																			



SAT. 2 SEP 1905

Correspondence.—State dates and initials of letters respecting this case (Reference should be made to any correspondence connected with this case) 12<sup>th</sup> & 29<sup>th</sup> Dec. 1904.

24<sup>th</sup> Feb. 1905 M. 12<sup>th</sup> April 1905 E.

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.

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

Do any rivets break into or through the seams or butts of plating? A few.

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

London on 30<sup>th</sup> April 1905, the accompanying pumping plan, the approved plans attached

1<sup>st</sup> Entry Report on S.S. "Haveret", 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 & weather decks have been tested as required by Rule with

satisfactory results.