

Awning or Shelter Deck, or Pt. Awning Deck.

STEEL STEAMER.

HESPERIA
No. 20130

Port of Newport, Mon. Date of completion of Report 30th April 1921 Received at London Office
Survey held at Newport, Mon. Date, First Survey 22nd. March Last Survey 29th. April 1921. (13 visits)
On the (State if Single, Twin, or Triple Screw) Single Screw Steamer "PATRIA" now renamed "HESPERUS". Rig Fore and aft Schooner

TONNAGE under
Tonnage Deck...
Do. between Tonnage Dk. and
3rd, 4th, or Awning Dk.
Total under Upper Dk.
Do. of Poop...
Do. of R. Qr. Dk.
Do. of Bridge House
Do. of Forecastle
Do. of Houses on Deck
Do. of excess of Hatchways
Do. above Crown of
Engine Room...
Gross Tonnage
Less Crew Space
Less above Crown of
Engine Room...
TONNAGE FOR FEES...
Less Engine Room
ation Spaces

CLASS 100A1 Shelter Deck with Fls.
Breadth (greatest moulded) 52.5
Depth, at middle of length from top of keel to top of
beams at side of uppermost Continuous Deck 32.75
Deduct height of 'tween deck when this does not exceed 8ft. 24.75
Transverse Number 77.25
Length on deck from fore part of stem to after part of
sternpost 384.0
Longitudinal Number 29664
Depth "d" at middle of length. See Secs. 2 & 13. 21.52
Proportions, Depths to Length, Uppermost Continuous
Deck at side to top of keel 11.73
" " " Upper Deck at side
to top of keel 15.51

Master F. H. Peterson
Year of Appointment (1) As Master in service of
owner of present vessel: 1906
(2) As Master of this
vessel: 1921
Built at FLensburg
When built 1919-5 Launched
By whom built FLensburg SCHIFFBAU GESELLSCHAFT
Owners Messrs. R. P. Houston & Co.
Managers
(Where necessary to be entered in Reg. Book.)
Residence
Port belonging to Liverpool.

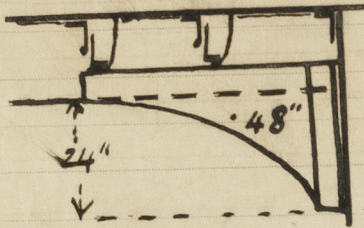
Destined Voyage If Surveyed while Building, Afloat, or in Dry Dock Afloat in Dry Dock.

on Rule	Ft.	Ins.	BREADTH	Ft.	Ins.	DEPTH, ACTUAL	Top of Floors to top of Awn. or Shelter Dk. Beams	Ft.	Ins.	No. of Decks with flat laid
384			Moulded	52	6	Do.	do. Upper Deck Beams	30	4 1/4	2
of Ship per Register, approx.						30.5	Awn. or Shelter Dk.			
Length 382.4 breadth 52.7 depth 22.5							Upper Deck.			
										Round up of Uppermost Dk. Beam, Actual 13 ins.

FRAMING.				PILLARS.			
Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.
Angles, or E or L Bars, amidships	7 1/2	3 3/8	42	PILLARS, in 'tween Deck, size and spacing	Centre-line	Bulkhead	
peaks	7 1/2	3 3/8	42	" " Hold	R Widely-Spaced		
way of Double Bottoms at Solid Floors				" Quarter, 'tween Dks., "	Pillars (See Gen. Remarks).		
" " at intermdt. Bkts.	6	3 1/2	42	" " in Hold			
of Frames from centre to centre amidships	27 1/2			KEELSONS AND STRINGERS.			
length to collision bulkhead				CENTRE LINE KEELSON, Vertical Plate above			
of Frames from centre to centre in peaks	23.6	Aft. Peak		" Rider Plate			
SED FRAME, Angles in Nos. 2, 3, 4, Holds	6	3 1/2	42	" Flat Keel Plate Angles			
way of Double bottoms at Solid Floors				" Horizontal Plates on Floors			
" " at intermdt. Bkts.	6	3	38	" Angles or Bulb Angles			
NG, depth of girder in Nos. 2, 3, 4, Holds	9 1/2			SIDE KEELSONS, Number			
SS, depth and thickness of Floor Plate				" Angles or Bulb Angles			
at mid-line for 1/2 length amidships				" Plate above floors, for length			
in way of Engine and Boiler spaces				" Intercoastal Plate, for length			
thickness at the ends of vessel				" Attached to outside plating with Angle			
depth at 1/2 the half-bdth. as per Rule				BILGE KEELSON, Angles			
height extended at the Bilges				" Intercoastal Plate, for length			
SS, in Cell Double Bottoms			38	" Attached to outside plating with Angle			
state if flanged (top and bottom)	No.			SIDE STRINGERS, Number	Two		
spacing of Solid	55			" " Angle	6 3/4	3 1/2	50
RE GIRDER, in Dbl. bottom, dpth. & thcknss	41 3/4		45	" " Intercoastal Plate, for whole lng.	12		46
" Angles, Top				" Attached to outside plating with Angle	4" Flange		
" " Bottom				Awning or Shelter Deck Stringer Plates, breadth and thickness	54 1/2		60
" " to Floors	16		40	" Angle on ditto	4 3/4 x 4 3/4		48
Brackets at intermdt. frmg., wdth & thcknss				" Tie Plates, fore and aft, outside Hatchways			
GIRDERS, number and thickness	Three		38	" Deck, * Iron or Steel, for whole lng.			38
" state if flanged (top & bottom)				" Wood Deck. Material & thickness over Awn.	P.P.		3
Angles				Upper Deck Stringer Plate, breadth and thickness	58		31
IN PLATE, depth (exclusive of flange) and thickness	35		40	" Angles on ditto, No. Two	3 1/2 x 3 1/2		37
Angles to outside plating, bracket	3	3	40	" Tie Plates, outside Hatchways			
" to floors				" Deck, * Iron or Steel, for whole lng.			31
Brackets at intermdt. frmg., wdth & thcknss	14 1/2		40	" Wood Deck. Material & thickness	Nil		
Height of Brackets above at bilge	30			Second Deck Stringer Plates, br'dth & thckn's	36		40
BOTTOM PLATING, breadth and thickness of Middle Line Strake	39		45	" Angles on ditto, No. 2. FACE-ANGLE	8 3/4 x 3		44
" thickness in Engine and Boiler space	B.S.		50	" Tie Plates, outside Hatchways			
" " Remainder in Holds			38	" Deck, * Material and thickness	Steel		34
S, Awning or Shlir Dk, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel	6 1/4	2 3/4	37	Third, Fourth & Fifth Deck Stringer Plate, breadth and thickness			
spacing	27 1/2			" Angles on ditto, No.			
S, Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel	7	3	39	" Tie Plates, outside Hatchways			
spacing	27 1/2			" Deck. Material and thickness			
S, Second, Third & Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel	7 1/8	3	44	Poop Deck Stringer Plate, breadth & thickness			
angles on upper edge				" Angles on ditto			
spacing	27 1/2			" Tie Plates			
IS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel				" Deck. Material and thickness			
Angles on upper edge				Bridge Deck Stringer Plate, br'dth & thickness			
Spacing				" Angle on ditto			
IS, Bridge Deck, 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			
IS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel				" Angle on ditto			
Angles on upper edge				" Tie Plates			
Spacing				" Deck. Material and thickness			

GENERAL REMARKS—(continued).

Particulars of Hatch webs, etc. are given on accompanying report 11b.
The W.T. Bulkheads are efficiently connected to the side stringers by brackets of the form shown, extending for 2 frame spaces each side of bulkhead.



The Rudder-head is above Rule requirements, & the other dimensions are as follows:—

Diar. Mainpiece at top $9\frac{7}{8}$ "
" " " heel 7"
Arms at Mainpiece $8 \times 4\frac{7}{8}$ "
" " Point $5 \times 1\frac{1}{4}$ "
Thickness around Mainpiece $3\frac{1}{2}$ "
Pintles 5" with $\frac{3}{8}$ " brass sleeve.

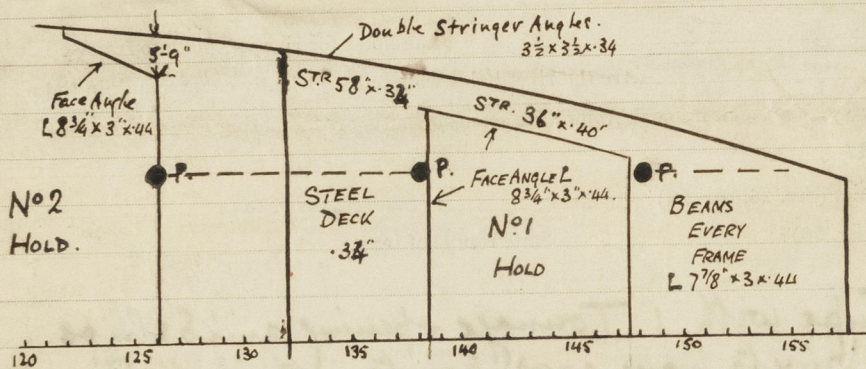
An efficient handpump is fitted to the Fore Peak flat, & a Dorton-pump drawing from all bilges.

Pillaring. The pillars are of the widely-spaced type, with efficient girders under the decks. The pillars are of hollow circular section have the following diameters

Frame	In Hold	In Lower Tween for.	In Shelter Tween.
21	12"		$8\frac{1}{2}$ "
33	12"		$8\frac{1}{2}$ "
45	12"		$8\frac{1}{2}$ "
58	12"		$8\frac{1}{2}$ "
97	12"		$8\frac{1}{2}$ "
111	12"		$8\frac{1}{2}$ "
126	12"	10"	$8\frac{1}{2}$ "
138	12"	10"	$8\frac{1}{2}$ "
148	12"	10"	✓

A longitudinal centre-line bulkhead of scantlings as shown on accompanying Midship Section is carried throughout Holds except in way of Hatchway.

2nd. or lower Deck.



Extending throughout No. 1 Hold & as far aft as the forward end of No. 2 Hatchway is a 2nd. or lower Deck of the form shown in sketch (See also body of report).

Framing. $7\frac{1}{2} \times 3\frac{3}{8} \times 42$ frames are fitted throughout the ship except from 126 frame to Collision Bulkhead where they are $9 \times 3\frac{1}{2} \times 44$ L. In Nos 4, 3 & 2 Holds (abaft frame 126) $6 \times 3\frac{1}{2} \times 42$ reverse frames are also fitted extending to the Upper Deck. (No reverses in Machinery Space).

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 ✓

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) 1 Deck (Stl) + Shelter Deck (Stl). Electric light. Wireless. Official No. 144661; Signal Letters. State if Machinery is fitted aft No. How are the surfaces preserved from oxidation? Inside Paint cement Outside Paint.

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system or with girders on floors. Cellular System.

Where Fitted.	Length.	Water Capacity.	Where Fitted.	Length.	Water Capacity.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft,	128.3	375	Fore peak tank,	20.6	40
Double bottom, under Engines and Boilers,	52.7	210	After peak tank,	13.7	47
Double bottom, if under Engines only,		✓	Deep tank, aft,		
Double bottom, if under Boilers only,		✓	Deep tank, forward,		
Double bottom, forward,	165.0	555	Other tanks, if fitted,		
	Total capacity of double bottom	1140	(If necessary, furnish further information by sketch.)		

* The wells are not to be included in the lengths of the tanks. 3060

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

Order for Special Survey No.

Date

No. in builder's yard.

DATES of Surveys held while building

Surveyor's Signature

8.7. Bryden

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Total No. of Visits

Surveyor's Register Foundation