

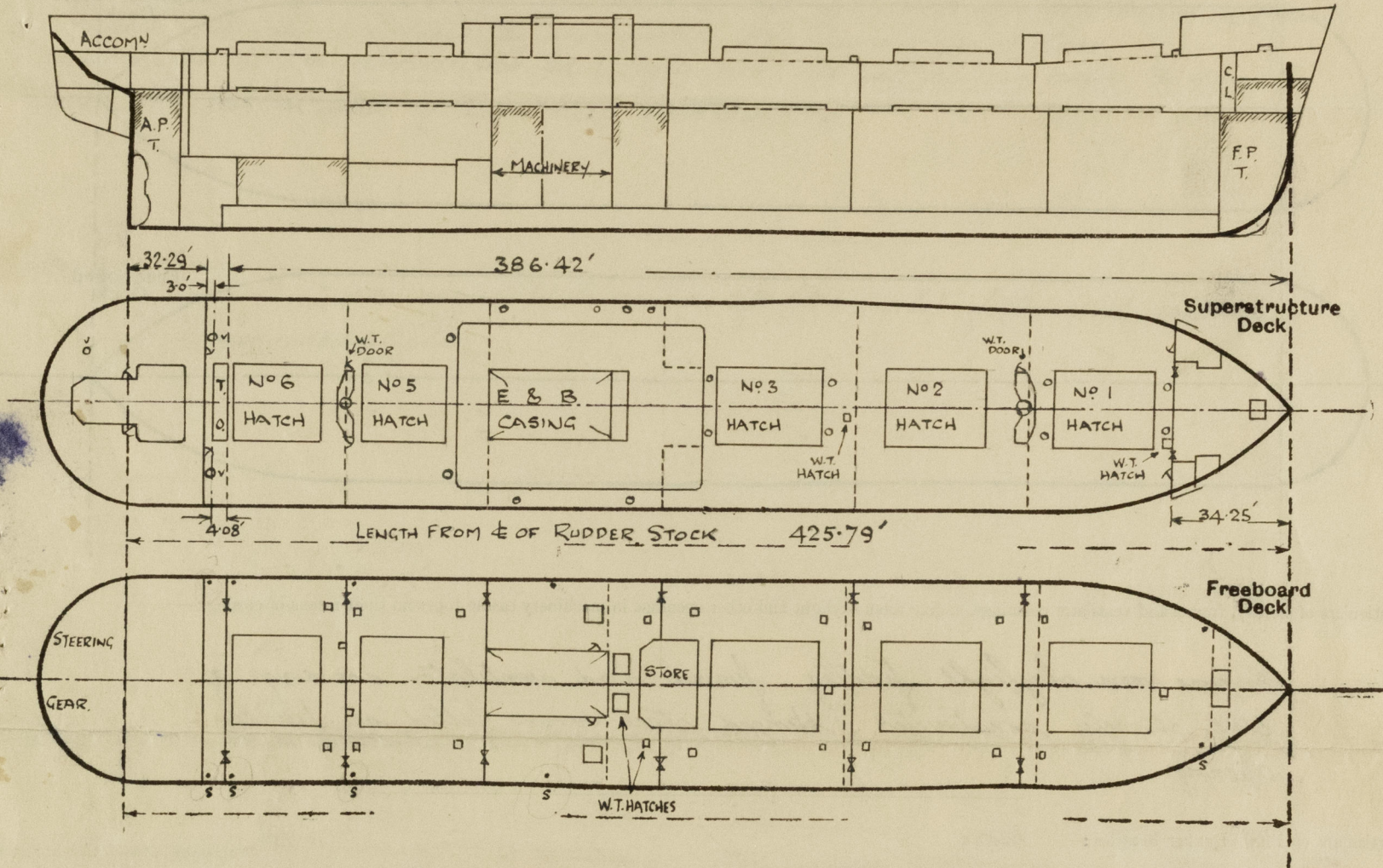
Lloyd's Register of Shipping.  
SURVEYS FOR FREEBOARD.  
(CONDITIONS OF ASSIGNMENT.)

Index No. 38560  
(For London Office only).

N<sup>o</sup> 34468

Ship's Name *HESPERIDES*  
*EMPIRE LONGSTONE* Port of Survey *Sunderland*  
Official Number *180929* Surveyor's Signature *R.M. Wilson*  
Nationality and Port of Registry *BRITISH, SUNDERLAND* Date of Survey *While building*

Disposition and dimensions of superstructures, trunks, deckhouses and machinery casings to be inserted in the diagrams and tabular statement :—

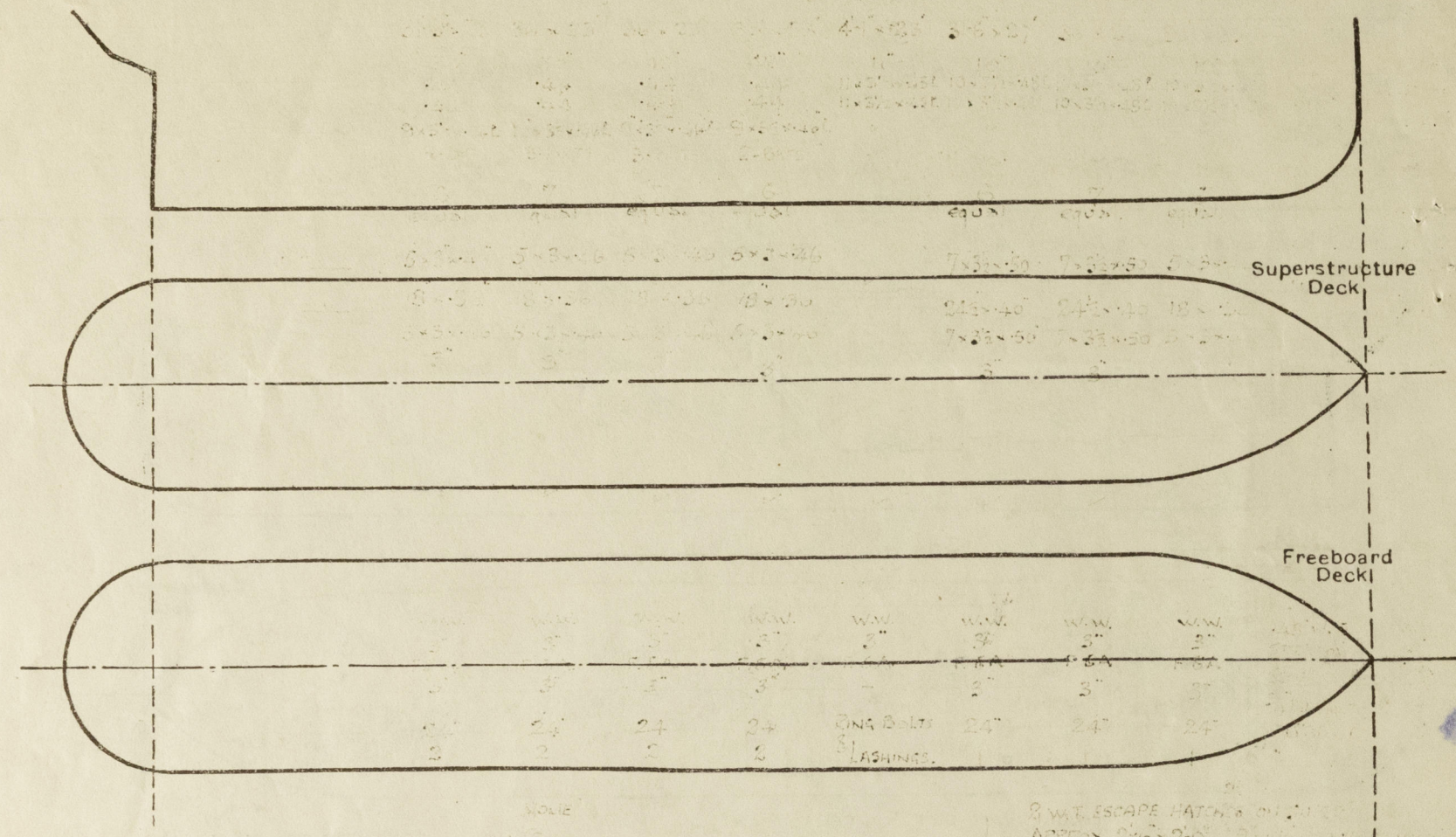


Particulars of Superstructures, Trunks, Casings, Deckhouses.								
	Coaming	Plating	Stiffeners	Spacing	End Attachments of Stiffeners	Size of Openings	Height of Sills	Height of Casings
Poop Bulkhead (TWEEN DECKS) ... ABOVE C.S.S.	✓ 38"	30" 38"	4 x 3 x 44 OA 6 x 3 x 48 OA	30" 31"	TOP & BOTTOM WELDED TO DECK LUG 3-3/4 RIVS. T. & BTM.	NONE 20' 4-6" x 2'-0"	21"	7'-6"
Raised Quarter Deck Bulkhead ...	✓							
Bridge, After Bulkhead ...	✓	30"	5 x 3 x 30 OA	30"	TOP & BOTTOM WELDED TO DECK	20' 5-1" x 3'-2"	18"	8'-6"
Bridge, Forward Bulkhead ...	✓							
Forecastle Bulkhead ... ON C.S.S.	✓	32"	4 x 3 x 5/16 OA	30"	JOINTER RIV @ BTM	20' 5-0" x 2'-3" 20' 5-0" x 3'-1"	18" 12"	7'-0"
Trunk, Aft ...	✓							
Trunk, Forward ...	✓							
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	✓							
Exposed Machinery Casings on Superstructure Decks ...	✓							
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ...	✓	26"	5 x 3 x 35 L 8 3/2 x 3 x 35	36"	JOINTER RIVET	3'-0" x 2'-0"	18"	✓
Deckhouses on Flush Deck Ships ...	✓							
Particulars of Closing Appliances (state if capable of being manipulated from both sides).								
Poop Bulkhead (TWEEN DECK) ... ABOVE C.S.S.	NO OPENING.							
Raised Quarter Deck Bulkhead ...	Hinged steel doors operated from both sides.							
Bridge, After Bulkhead ...	3" storm boards in full height channels Portable plates with hook bolts							
Bridge, Forward Bulkhead ...	✓							
Forecastle Bulkhead ... ON C.S.S.	Hinged steel doors operated from both sides. 30" steel plate secured by 3/4 dia hooked bolts @ 13" apart.							
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	✓							
Exposed Machinery Casings on Superstructure Decks ...	✓							
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ...	Hinged steel door operated from both sides							
Deckhouses on Flush Deck Ships ...	✓							



# PARTICULARS OF PROTECTION TO OPENINGS, ETC.

The following diagrams should be used to indicate the positions of cargo and coaling hatchways, gangway, cargo and coaling ports, ventilators, companionways, etc., which would affect the seaworthiness of the ship:—



Particulars of fiddle, funnel and ventilator coamings, engine room skylight and other openings in machinery casing tops and their means of closing:—

Engine room skylight, fiddle, funnel and ventilator coamings of steel strongly constructed. Hinged steel covers fitted at fiddle openings.

Particulars of Flush Bunker Scuttles:— none

Particulars of Companionways:— none

Entrance to accommodation by after deckhouse, doors 4'6" x 2'0" teak 1 7/8" thick, sill 24" N.Y. steel doors in mast houses 3'6" x 1'6" 24" sill. All doors operated from both sides.

Particulars of Ventilators in exposed positions on freeboard and superstructure decks:—

Superstructure Deck

6 coal ventilators 18" dia coaming 34" x 40" to hold  
4 " " 18 " " 36" x 40" do  
2 " " 18 " " 10'6" x 40" (stayed) do  
1 " " 12 " " 34" x 34" refug. machy.  
2 " " 12 " " 34" x 34" Cabin store  
2 " " 12 " " 34" x 34" bunker  
1 " " 10 " " 34" x 32" store

G.N.V. on Super deck 6" dia 3/4" to lip  
" " 6" dia 3/4" to lip

All ventilators fitted with wood plugs & canvas covers.

Forecastle Deck 3 coal ventilators 8" dia coaming 36" x 32" to fore

Poof Deck 13 " " 10" " 34" x 32" to steering gear  
2 " " 6" " 34" x 30

Particulars of Air Pipes in exposed positions on freeboard, raised quarter, or superstructure decks:—

Superstructure deck:— 14-5" dia air pipes with G.N.V. 30" to lip  
5-2 " " " 30 " "  
3-4 " " " 30 " "  
3-3 " " " 30 " "

Poof deck:— 3-3" dia air pipes 18" to lip

Air pipes fitted with wood plugs or gauge and canvas covers.

Forecastle deck:— 2-5" dia air pipes with G.N.V. 18" to lip  
1-4 " " " 18 " "  
1-3 " " " 18 " "

Particulars of Gangway Cargo and Coaling Ports:— none

*Hesperides*

Particulars of Scuppers and Sanitary Discharge Pipes:— Discharges from houses above the superstructure deck led to storm valves in tween decks. There are no scuppers from the accom. in the tween decks.

1-5" dia scupper P&S in tonnage well leading overboard from freeboard deck fitted with S.D.N.R. Valve controlled from super deck and with an indicator to show whether the valves are open or closed.  
2-5" dia scupper P&S leading overboard from freeboard deck fitted with S.D.N.R. Valves controlled from the super deck and with an indicator to show whether the valves are open or closed.  
1-3 1/2" dia scupper P&S led to hold ledge from freeboard deck fitted with S.D. Valve controlled from the super deck and with an indicator to show whether the valves are open or closed.  
1-3 1/2" dia scupper P&S from freeboard deck led to engine room with self closing cocks.  
Drain holes cut at sides of tween deck bulkheads P&S.

Particulars of Side Scuttles:—

10" dia sidelights to accom aft (tween decks) fitted with substantial hinged deadlights.

Vertical distance of Sill of lowest Side Scuttle above top of keel 36'3"

Particulars of Guard Rails:—

Forecastle deck:— 3'4" high, 3 rods, stanchions spaced 4'6" apart.

Super deck:— steel bulwark from poop end to fore end

Poof deck:— 3'4" high, 3 rods, stanchions spaced 5'0" apart.

Particulars of Gangways, Lifelines, etc.:—

One 25" W. lifeline supplied with fittings for same P&S.

## Particulars of Freeing Arrangements.

	Length of Bulwark	Height of Bulwark	Size of Freeing Ports	Number each side	Area each side	Rule area each side
After Well bulwark ...	359'3"	3'6" rising to	12'0" x 9"	3	76.5	28.8
Midship do		5'0" at	6'0" x 9"	1		
Forward Well do		forecastle front	12'0" x 9"	5		

State position of each freeing port ... After Well:—  
(F. and A. position and height above deck edge) Forward Well:—

Freeing ports 10" above deck edge.

State whether the freeing ports are fitted with shutters, bars, or rails, and give particulars of such:— none

Additional area where sheer is less than standard.

Position of freeing ports  
9-6 1/4" scuppers cut in stringer angle to drain superstructure deck.

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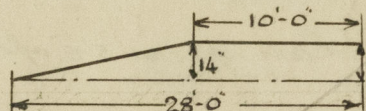
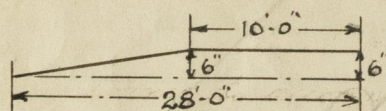
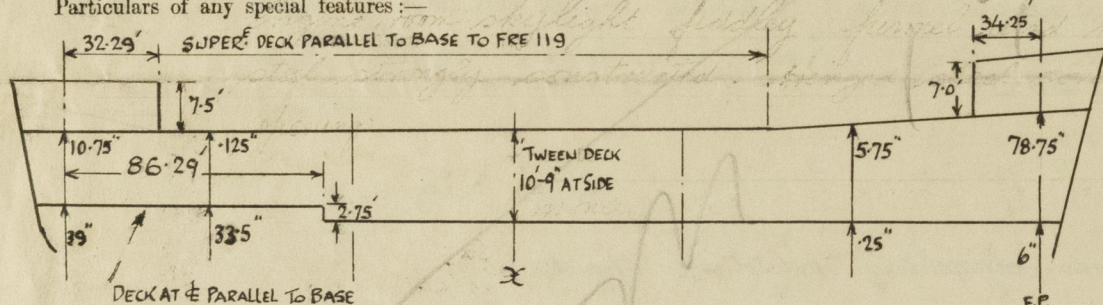
# PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS.													
← SUPERSTRUCTURE DECK										→ FREEBOARD DECK			
Description of Hatchway			No 1.	Nos 2 & 3	No 5	No 6	TONNAGE HATCH	No 1.	Nos 2, 3 & 5.	No 6	W.T. HATCHES TO NO 4 HOLD	CASING TOP R. OFF	
Dimensions of Hatchway			31'-6" x 23'	36' x 23'	36' x 23'	30' x 23'	4'-1" x 23'	31'-6" x 27'	36' x 27'	30' x 23'	7'-9" x 7'-9"	19'-7" x 9'	
COAMINGS	Height above Deck	...	30"	30"	42"	42"	11"	10"	10"	10"	12"	30"	
		Sides	.44	.44	.44	.44	11 x 3 1/2 x 45 L	10 x 3 1/2 x 48 L	10 x 3 1/2 x 48 L	10 x 3 1/2 x 48 L	.48"	12 x 3 1/2 x 46 L	
	Thickness	Ends	.44	.44	.44	.44	11 x 3 1/2 x 45 L	10 x 3 1/2 x 48 L	10 x 3 1/2 x 48 L	10 x 3 1/2 x 48 L	.48"	6-32 PL.	
		Stiffeners	...	9 x 3 1/2 x 46 L	12 x 3 1/2 x 46 L	9 x 3 1/2 x 46 L	9 x 3 1/2 x 46 L	✓	✓	✓	✓	✓	
	Brackets, Stays	...	3-BKTS	3-BKTS	3-BKTS	2-BKTS	✓	✓	✓	✓	✓	✓	
HATCH BEAMS	Number	...	6	7	7	6		6	7	6		equal	
		Spacing	...	equal	equal	equal	equal	equal	equal	equal		equal	
		Scantling and Sketch	...	5 x 3 x 46	5 x 3 x 46	5 x 3 x 46	5 x 3 x 46	✓	7 x 3 1/2 x 50	7 x 3 1/2 x 50	5 x 3 x 46	✓	4 x 3 x 44
			...	18 x 36	18 x 36	18 x 36	18 x 36		24 1/2 x 40	24 1/2 x 40	18 x 36		16 x 36
	Bearing Surface	...	5 x 3 x 46	5 x 3 x 46	5 x 3 x 46	5 x 3 x 46		7 x 3 1/2 x 50	7 x 3 1/2 x 50	5 x 3 x 46		4 x 3 x 44	
...		3"	3"	3"	3"		3"	3"	3		3"		
FORE AND AFTERS	Number	...											
		Spacing	...										
		Unsupported Lengths	...										
		Scantling and Sketch	...	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Bearing Surface	...											
HATCH COVERS	Material	...	W.W.	W.W.	W.W.	W.W.	W.W.	W.W.	W.W.	W.W.	.48" W.T.	W.W.	
		Thickness	...	3"	3"	3"	3"	3"	3"	3"	3"	STEEL COVER	3"
		How fitted	...	F. & A.	F. & A.	F. & A.	F. & A.	F. & A.	F. & A.	F. & A.	F. & A.	SECURED BY	F. & A.
		Bearing Surface	...	3"	3"	3"	3"	-	3"	3"	3"	3/4" DIA. BOLTS	3"
	Spacing of Cleats	...	24"	24"	24"	24	RING BOLTS & LASHINGS.	24"	24"	24"	@ 6" APART	24"	
Number of Tarpaulins	...	2	2	2	2		1	1	1		2		

\*Are wood fore and afters steel shod at all bearing surfaces? **NONE**  
 Are battens and wedges efficient and in good condition? **YES**  
 Are tarpaulins in good condition and in accordance with rule requirements? **YES**  
 Are lashings provided in accordance with rule requirements? **LOCKING BARS.**

8 W.T. ESCAPE HATCHES ON SUPER<sup>RE</sup> DECK  
 APPROX 2'-6" x 2'-0" 9" x 44 COAMING WITH  
 40" HINGED STEEL COVER AND JOINTING  
 & SECURED BY Toggles.

Particulars of any special features:—



HATCH UNDER FORECASTLE ON SUPER<sup>RE</sup> DECK  
 3'-7" x 3'-0" 9" x 3 1/2 x 44 COAMING 3 x 3 REST BAR  
 3" W.W. COVERS, CLEATS & 1 TARPULIN.

20 TRIMMERS HATCHES ON FREEBOARD DECK  
 2'-0" x 2'-0" 9" x 34 COAMING .30 HINGED  
 STEEL COVER WITH JOINTING & SECURED  
 BY Toggles

BUNKER HATCHES ON FREEBOARD DECK  
 2 @ 7' x 5' 9" x 3 1/2 x 44 COAMING, 3" REST  
 BARS, 3" W.W. COVERS, CLEATS AND  
 1 TARPULIN.

FORECASTLE:— HATCH 2'-0" x 1'-9" COAMING 9" x 40"  
 COVER .40" STEEL WITH JOINTING

This vessel is a P.F. "D" Type with tonnage opening.  
 Endorsement at first survey and at surveys for renewal of Certificate:—

The fittings and appliances are in accordance with the particulars shown on this form (or as now modified) and are in good condition.



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