

# Lloyd's Register of Shipping.

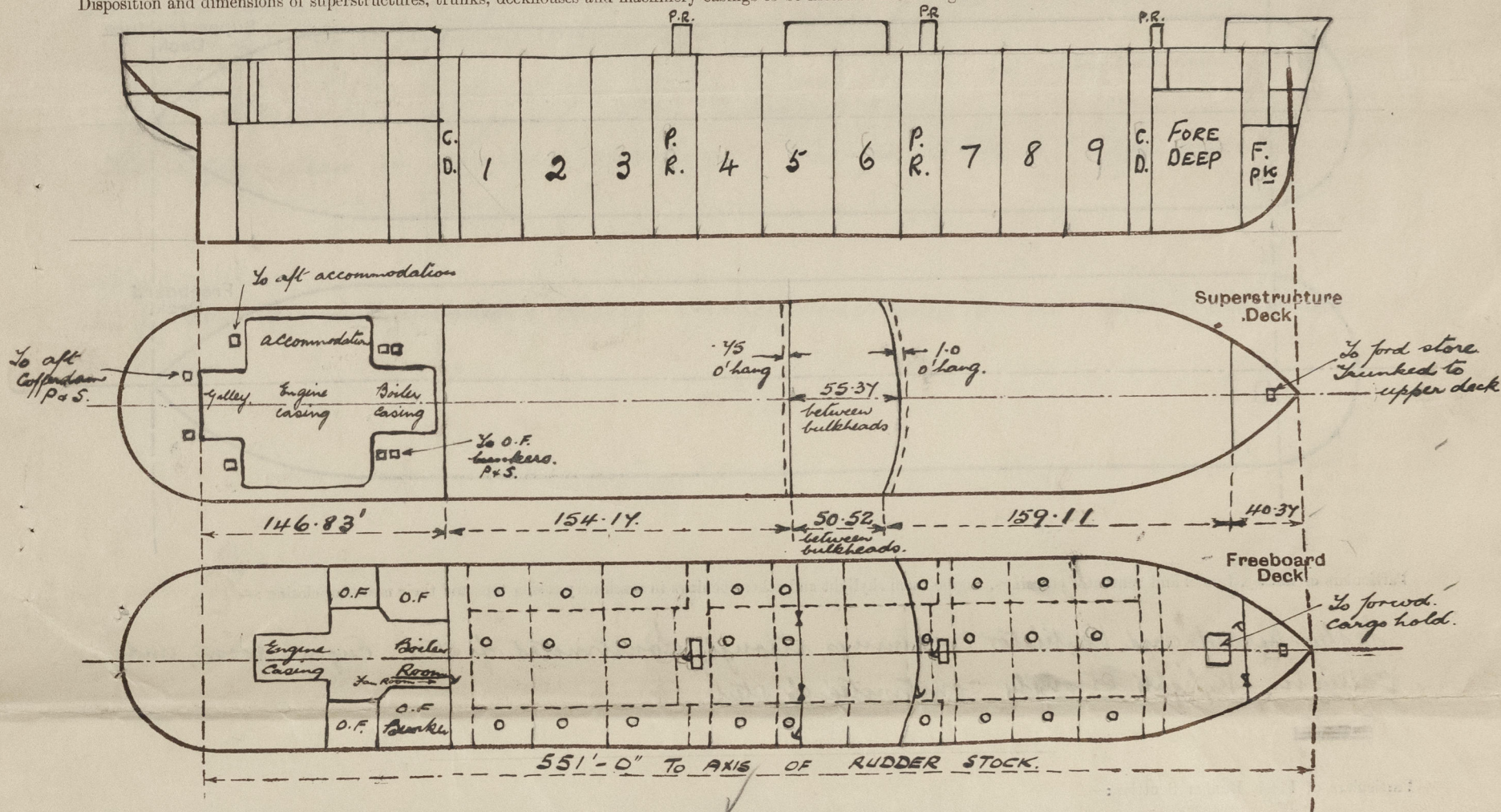
## SURVEYS FOR FREEBOARD.

(CONDITIONS OF ASSIGNMENT.)

- 8 OCT 1917

Ship's Name **"HELICINA"** Port of Survey **Wallsend on Tyne.**  
 Official Number **180983** Surveyor's Signature **E.H. Dean. G. Buchanan**  
 Nationality and Port of Registry **British, London.** Date of Survey **During Construction.**

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 ... ..	44	44	T 9 x 4 x 1/4 OR Boiler Room 10 x 50 B.P. — in wings	30"	E. welded top + bottom	1 at 3' x 2'	21 1/2"	4'-6"
Raised Quarter Deck Bulkhead ...	-	-	-	-	-	-	-	-
Bridge, After Bulkhead ... ..	30	30	T 3 x 2 1/2 x 25	28" - 30"	E. welded top + bottom	2 at 5'-1" x 3'-1" 1 at 5'-0" x 2'-0"	18"	4'-6"
Bridge, Forward Bulkhead ... ..	44	44	12 x 425 B.P.	28" + 33"	do.	1 at 5'-0" x 2'-0"	18"	4'-6"
Forecastle Bulkhead ... ..	32	32	T 3 x 2 1/2 x 25 OR	25" - 30"	do	1 at 5'-1" x 4'-4" 1 at 3'-0" x 2'-6"	18"	4'-6"
Trunk, Aft ... ..	-	-	-	-	-	-	-	-
Trunk, Forward ... ..	-	-	-	-	-	-	-	-
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	as Poop	as Poop	Front.					
Exposed Machinery Casings on Superstructure Decks ... ..	34 Front 30 Sides	34 30	T 8 x 3 1/2 x 44 OR T 6 x 3 x 40 OR	29" 32 1/2"	Sket. top, attached to beams bottom	no openings	-	15'-0"
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ... ..	-	-	-	-	-	-	-	-
Deckhouses on Flush Deck Ships ...	40, 34 30	-	T 6 x 3 x 34 O.R.	24", 28", 33" + 36"	Bkts + E. welded	4'-6" x 2'-3" 4'-6" x 2'-0"	18"	4'-6"

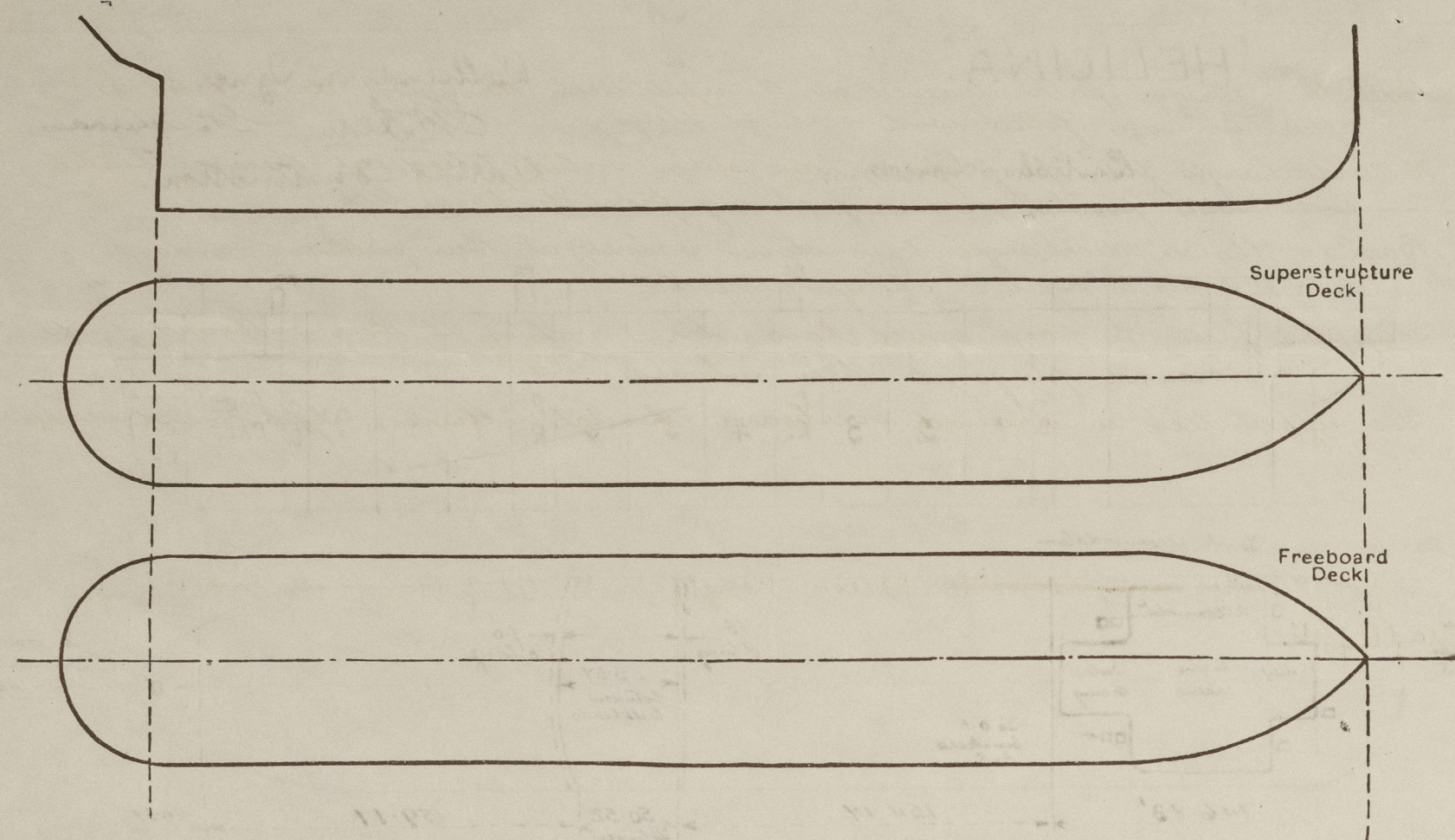
Particulars of Closing Appliances (state if capable of being manipulated from both sides).

Poop Bulkhead ... ..	One hinged steel <sup>W.T.</sup> door capable of being manipulated from both sides.
Raised Quarter Deck Bulkhead ...	—
Bridge, After Bulkhead ... ..	One hinged steel W.T. door capable of being manipulated from both sides. Two openings closed by portable plates with hook bolts not passing thro' bhd.
Bridge, Forward Bulkhead ... ..	One hinged steel W.T. door capable of being manipulated from both sides.
Forecastle Bulkhead ... ..	One hinged steel W.T. door capable of being manipulated from both sides.
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	One opening closed by portable plate with hook bolts not passing thro' bhd.
Exposed Machinery Casings on Superstructure Decks ... ..	as Poop Front.
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ... ..	No openings.
Deckhouses on Flush Deck Ships ...	Steel doors inside Poop.
Pump Room Entrances.	Hinged steel W.T. doors capable of being manipulated from both sides.



# 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:—

Fiddle, funnel and Ventilator Coamings, strongly constructed of steel. Engine room, and Galley etc., skylights strongly constructed of steel.

Particulars of Flush Bunker Scuttles:—

— none —

Particulars of Companionways:—

Pump room Entrances - Strongly constructed steel houses with steel hinged W.T. doors capable of being operated from both sides.  
Poop entered from strongly constructed steel deckhouse on poop deck.  
Hardwood doors capable of being manipulated from both sides - sills 18".

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

Forecastle deck  
1 at 8" diam 36" x 30 coaming.  
2 at 10" diam 36" x 34 "  
2 at 12" diam 36" x 36 "

Upper deck  
4 at 24" diam 11" x 25 } 20' high  
derrick posts.  
1 at 12" diam 36" x 34 coaming.

Bridge Deck

4 at 6" diam 30" x 30 coaming.

Poop Deck

4 at 6" diam 30" x 30 coaming.

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

Forecastle deck  
4" to deep tanks 19" high, mushroom top P+S.  
3 1/2" to fore peak tank 18" high P.

Upper deck  
X 3" to fore c'dam 36" high P+S.  
X 3" to aft c'dam 9' 2" high P+S. } attached to  
poop front.

Poop deck

3" to No 1 d.b. Tank 18" high mushroom top P+S.  
6" to F.W. tank 18" high P+S.  
6" to settling tank 18" " " mushroom top.

A number of strong gooseneck vents are also fitted on the poop deck 5" x 6" diam. 19"-20" to lip, to accommodation, storerooms etc. situated in the poop space.

On top of fore pump room  
1 at 15" diam 42" x 36 coaming.

All vent coamings except those fitted with gauge, closed by wood plugs & canvas covers.

Poop deck contd.

3" to c'dam 18" high P+S.  
3" to F.W. Tanks 18" high P+S.  
3" to F.W. " 18" " "  
3" to distilled water tank 18" high P+S.  
4" to aft peak tank 18" high P+S.  
3" to Rudder Trunk 18" " "

2 1/2" to cruiser stern 18" "  
Air pipes marked X closed by hinged plates with butterfly nuts.  
mushroom top air pipes fitted with gauge.  
all other air pipes closed by wood plugs & canvas covers.

Particulars of Gangway Cargo and Coaling Ports:—

— none —

Particulars of Scuppers and Sanitary Discharge Pipes:—

Forecastle & Bridge spaces drained on to upper deck through 1" diam holes in after bulkhead fitted with screwed plugs.

W.C. discharges from poop space have storm valves fitted at their outboard ends with positive means of closing from the poop deck. fitted with indicators.

Basin & Shower discharges have storm valves at their outboard ends & a N.R.V. in a position always accessible.

Scuppers from the poop space have storm valves at their outboard ends & screwed plugs at their inboard ends.

The upper deck is drained overboard through "Collinson" type round scuppers.

Particulars of Side Scuttles:—

In poop & bridge and forecastle spaces - strongly constructed of brass, with brass hinged deadlights.

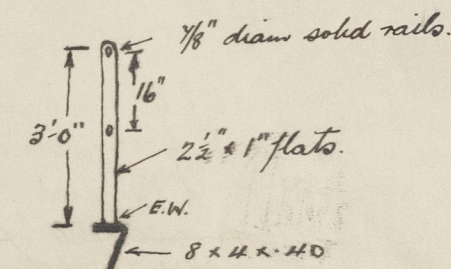
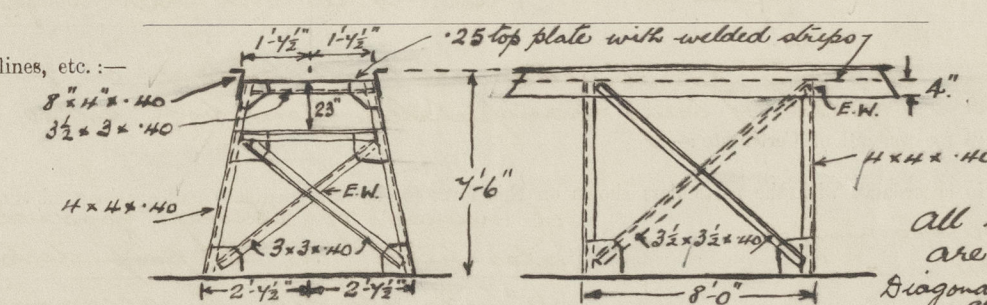
Vertical distance of Sill of lowest Side Scuttle above top of keel - no side scuttles below freeboard deck.

Particulars of Guard Rails:— Round poop deck - 3' 6" high - generally 4' 6" - 5' 0" apart. 3 rails.

Round upper deck - 3' 6" high - generally 4' 9" - 5' 0" apart. 3 rails.

" Fore " 3' 6" " " 4' 0" " 3 "  
" Bridge " 3' 9" " " 4' 0" - 4' 6" " 3 "

Particulars of Gangways, Lifelines, etc.:—



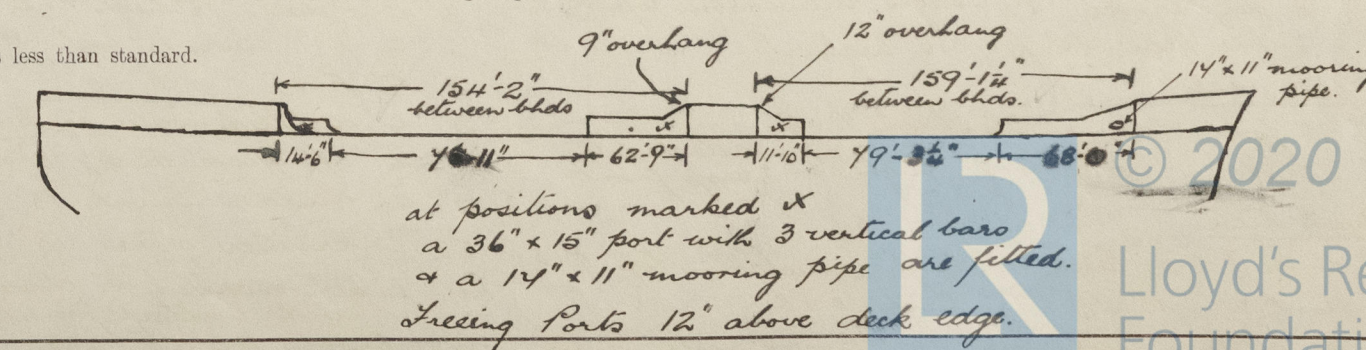
Particulars of Freeing Arrangements.

	Length of Bulwark	Height of Bulwark	Size of Freeing Ports	Number each side	Area each side	Rule area each side
After Well ...	} 50%	open rails. See sketch below.				
Forward Well ...						

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

State whether the freeing ports are fitted with shutters, bars, or rails, and give particulars of such:—

Additional area where sheer is less than standard.





# PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS.										
<div> <div>← upper deck →</div> <div>← Side deck →</div> <div>← Poop deck →</div> </div>										
Description of Hatchway	... ..	centre wing O.F. tanks.	to fore hold.	to cofferdam	to fore store trunked to upper deck	to aft cofferdam	to aft accom.	to O.F. bunkers 2.P. & 2.S.		
Dimensions of Hatchway	... ..	4'0" diam circular	8' x 8'	23" x 18"	30" x 30"	28" x 28"	30" x 30"	24" x 18"		
COAMINGS	Height above Deck	10"	30"	4" inverted angle.	9" B.F.	4" above wood deck.	6 1/2" above wood deck.	4" inverted angle.		
	Thickness	1/5	1/4							
	Stiffeners									
	Brackets, Stays									
HATCH BEAMS	Number	none	none	none	none	none	none	none		
	Spacing									
FORE AND AFTERS	Scantling and Sketch									
	Bearing Surface									
	Number									
	Spacing									
HATCH COVERS	Unsupported Lengths	none	none	none	none	none	none	none		
	Scantling* and Sketch									
	Bearing Surface									
	Material	steel	steel	steel	steel	Bolted steel	Steel	Bolted steel		
HATCH COVERS	Thickness	1/2	1/4 W.T.	1/2	1/2	W.T.	W.T.	W.T.		
	How fitted	O.T. cover	cover suitably stiffened & with bolted W.T. manhole	bolted	W.T.	covers	Covers	O.T. covers		
	Bearing Surface									
	Spacing of Cleats		35" x 30" in top.							
*Are wood fore and afters steel shod at all bearing surfaces? Are battens and wedges efficient and in good condition? Are tarpaulins in good condition and in accordance with rule requirements? Are lashings provided in accordance with rule requirements?										

Particulars of any special features:—

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.