

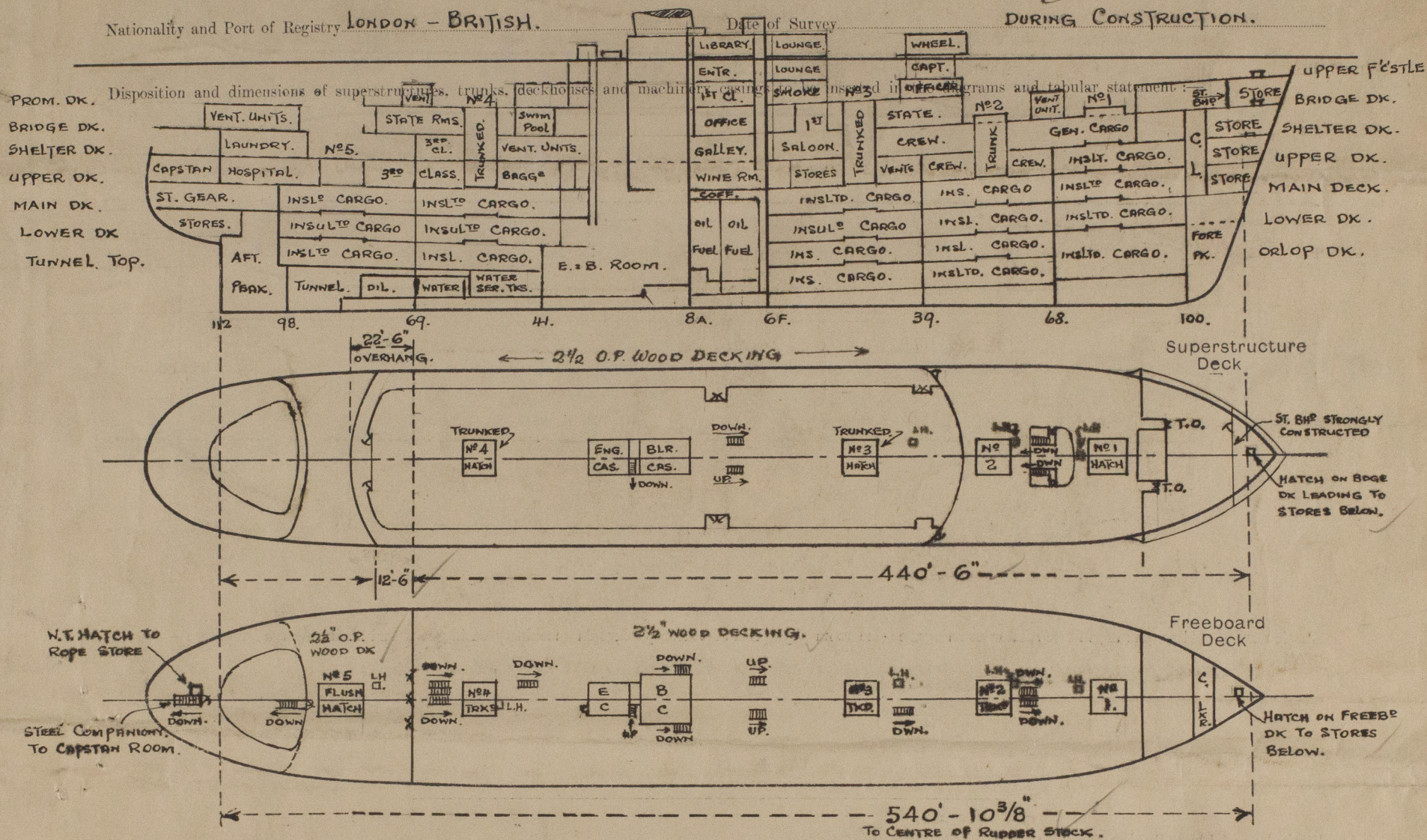
Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

(CONDITIONS OF ASSIGNMENT.)

Index No. **38661**
(For London Office only.)**F110.**Ship's Name **"MAGDALENA."**Port of Survey **BELFAST.**Official Number **182955**Surveyor's Signature **A.S. Fletcher**Nationality and Port of Registry **LONDON - BRITISH.**

Date of Survey

DURING CONSTRUCTION.

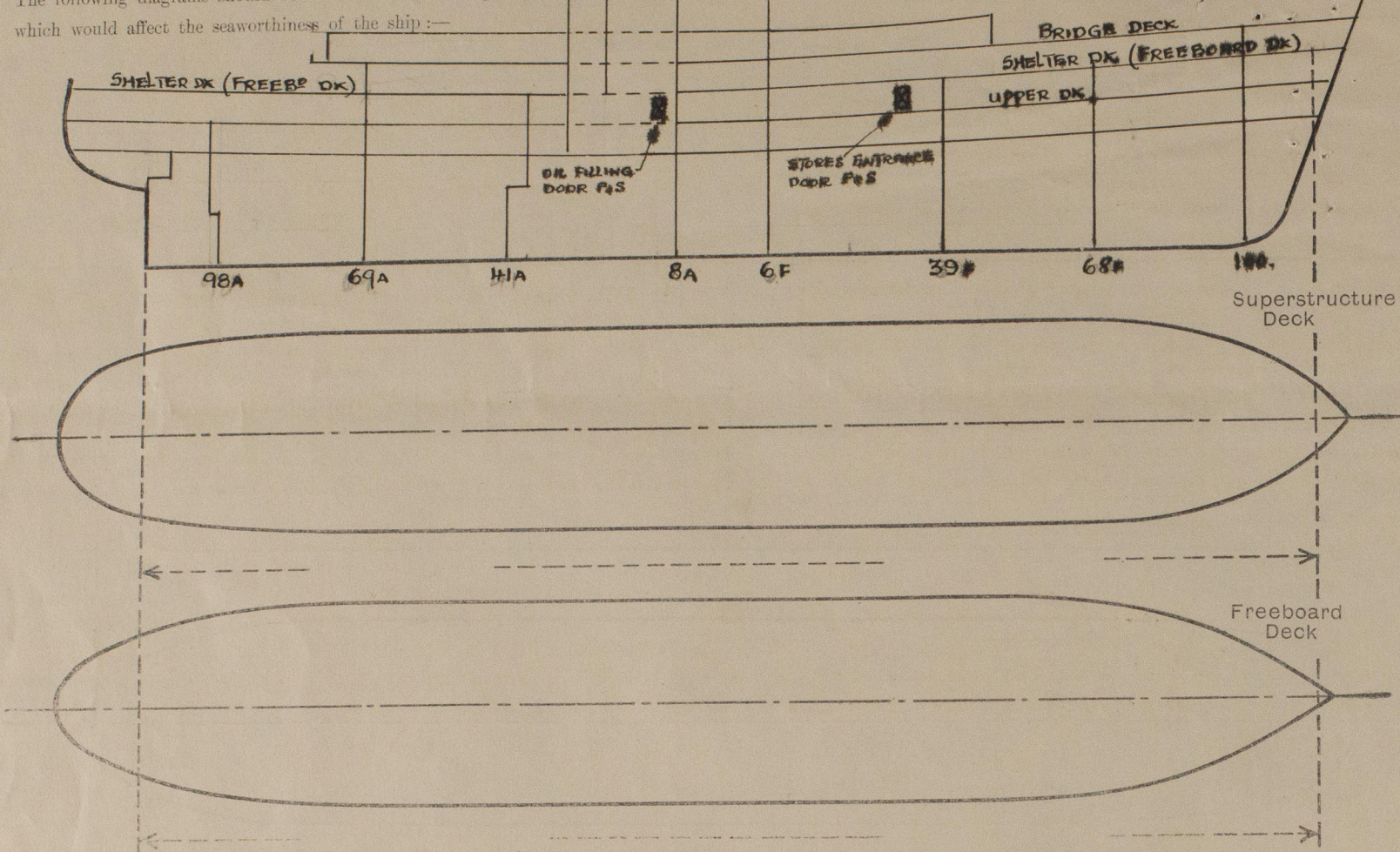
Particulars of Superstructures, Trunks, Casings, Deckhouses.

	Coaming	Plating	Stiffeners	Spacing	End Attachments of Stiffeners	Size of Openings	Height of Sills	Height of Casings
Poop Bulkhead ...	✓							
Raised Quarter Deck Bulkhead ...	✓							
Bridge, After Bulkhead ...	30"	30	4 x 3 x .32 O.A.	30"	IRW. BOTTOM EW. TOP.	3 @ 4'-7 1/2" x 5'-10 1/2"	15"	8'-6"
Bridge, Forward Bulkhead ...	✓							
Forecastle Bulkhead... SUPER-IMPOSED.	.40 CENTRE .34 WINGS	.40 .34	4 x 2 1/2 x .32 BA.	24" to 30"	EW at Top & BOTTOM.	2 @ 5'-9" x 37' 5 @ 5'-6" x 24"	15" 13"	7'-9"
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 Appliances40	.30	3 1/2 x 2 1/2 x .40" WITH REV. BARS 2 1/2 x 2 1/2 x .34	30"	Top: Continuous Bot: Continuous	1 @ 6'-0" x 4'-0" STB SIDE AFT.	10"	8'-6"
Deckhouses on Flush Deck Ships ...								

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

Poop Bulkhead ...	✓
Raised Quarter Deck Bulkhead ...	✓
Bridge, After Bulkhead (GIVING ACCESS TO STAIRWAYS LEADING BELOW FREEBOARD DECK.)	Three solid wood, 2" thick, hinged doors in two halves, operated from both sides, and strongly secured by 1" draw bolts on one half door.
Bridge, Forward Bulkhead ...	✓
Forecastle Bulkhead SUPER-IMPOSED	Two openings closed by storm boards in channels for full height
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	Five steel or wood doors hinged and operated from both sides
Exposed Machinery Casings on Superstructure Decks ...	✓
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ...	Steel hinged gastight door operated from both sides
Deckhouses on Flush Deck Ships ...	✓

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:—



Situated five decks above freeboard deck of substantial construction.

none fitted.

House under docking bridge aft:- 47'0" x 38'0" x 8'-4" strongly constructed & efficiently stiffened with companion
Particulars of Companionways:- entrance at fore end, closed by 2" thick hard wood hinged door 14" sill, operated from
both sides, leading to accommodation below.

Deckhouse on Bridge deck, protecting stairways, and small hatches leading to accommodation holds below. Steel hinged door on fore side, 2 bell and operated with screws.

Forecastle deck:-

Forward Fan Husetop:-
10 6" dia. F.T vent to Locker below 3'-0" + 30" coam.

108" M.T. " " Lobb

209" F.T. " " Fan intake Rm " 32 "
2012" F.T. " " Accom below " 34 "
7'6" x 2'0" x 2'6" high x .25" intake trunk.

All ventilators provided with efficient means of closing.

Bridge deck:-

6 @ 20" x 6" Tyffle vents 2'-9" x 32 coams. to accom below.
5 @ 16" x 4" " " " " " " " " "

Socking Bridge toh :-

1 @ 18" dia C.V to Tunnel 27" x 34" diam.

Shelter deck:- 1 @ 12" dia M.H. to after compartment below 3' 0" x 34" com.
5 @ 16" x 4"; 2 @ 12" x 4"; 1 @ 8" x 4" gyffe vent 2' 9" x 32" com. to
acc. com. below

FORECASTLE DECK:- 1 @ 3" dia to fore peak 24" high to lip, with overflow thro' ship's side below freeboard deck with N.R. valve at ship's side.
1 @ 3" dia. to π^2 d.b. tank 27" high to lip.

BRIDGE DECK:- 25 @ 3" dia. to 12" 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 double bottom tanks
10 @ 3" " 12" 1, 2, 3, 4, 5, 6 deep tanks at sides of tunnel. 12" 1, 2, 3, 4 deep tank air pipes are fitted with
overflow pipes led overboard below freeboard deck with atom valves at ship's side.
15 @ 2 1/2" dia. to 12" d.b. tank, 12" 1, 2, 3, 4 hold bilges or drain wells & d.b. cofferdams.
Air pipes 27" high, 6 dia.

Shelter deck (freelboard dk) 4 c 3" dia to N^o 5 x 6 deep tanks at tunnel sides and after Peak 33" high to lips
4 @ 2 1/2" dia to N^o 4 x 5 fold down wells 33" high to tops

6 @ 4" " " No 11 double bottom tank, No 9 = 10 Tunnel deep diesel tanks and Rudder trunk box. 33" to lips.

Notes- Air pipes from Oil fuel bunkers amidships and from oil fuel d.b. tanks Nos 6, 7 & 8 led to common air and overflow main with air & vapour escape near top of funnel.

All Air pipes have efficient means of closing.

Magdalena.

Particulars of Gangway Cargo and ^{oil}~~loading~~ Ports :—

Oil filling station door below freeboard deck p.s. frs 9A-11A Starbd; frs 10A-12A port, opening 6'-9" x 3'-6"

Stowage entrance door below freeboard deck pzs frs 29F-31'2F, opening 6'-5" x 4'-10" with hinged steel W.T. doors. The shell doors are strongly constructed, steel plating .62" thick and framed & stiffened by angles, secured by toggles and made watertight by rubber jointing.

Particulars of Scuppers and Sanitary Discharge Pipes:— 3 Galley slop shoots from freeboard deck led overboard below freeboard deck with open bonds but fitted with W.T. covers, rubber jointed & secured by butterfly toggles. Second means of closing by lever controlled flap within hoppers. Scuppers from steering gear compartment & Rudder trunk below the freeboard deck, drain into tunnel well with lever weighted cock on after peak bulkhead. Scuppers from stove spaces forward & below freeboard deck, drain into Drain well on main deck and is discharged overboard immediately below freeboard deck by Rotary hand pump situated in upper tween deck space. Scuppers from Freeboard & Superstructure weather decks discharge overboard below freeboard deck through open boards. Scuppers and Sanitary discharges from inside Accommodation on freeboard deck & decks above are led overboard below freeboard deck with storm valves at ship's side. Scuppers & Sanitary discharges from decks below freeboard deck (including in some cases discharges from spaces above freeboard deck joining on common pipe) are led overboard below freeboard deck with storm valves at ship's sides and geared to freeboard deck. All geared valves have indicators showing whether valves are open or closed. Scuppers from 2nd deck below led (Cargo & messy spaces) led to bilges, where spaces are insulated, fitted with brine traps. Scuppers from General cargo spaces in freeboard deck forward, led overboard with storm valves at ship's side. Scuppers from Brim Header room forward led overboard with independent storm valve at ship's side.

Particulars of Side Scuttles :—

In second tween decks (27 Bear - Refrig machy space) below freeboard deck 10" hinged sidelights & C.S. hinged deadlights.
In first tween deck below freeboard deck 12" dia hinged sidelights with C.S. hinged deadlights.
Between freeboard deck & Superstructure deck 12", 15" & 18" dia hinged sidelights with C.S. hinged or portable deadlights.
In deckhouse on Superstructure deck rectangle windows 24" x 18" in strong frames.

Vertical distance of Sill of lowest Side Scuttle above top of keel..... 34'-4"

Particulars of Guard Rails :—

Upper Fore castle deck 3'-9" high, stanchions spaced 4'-6" apart, 3 rails.
Elsewhere 3'-6" high, stanchions spaced 4'-6", 5 rails.

Particulars of Gangways, Lifelines, etc. :—

Provision for Lifeline p. 3 on freeboard deck aft.

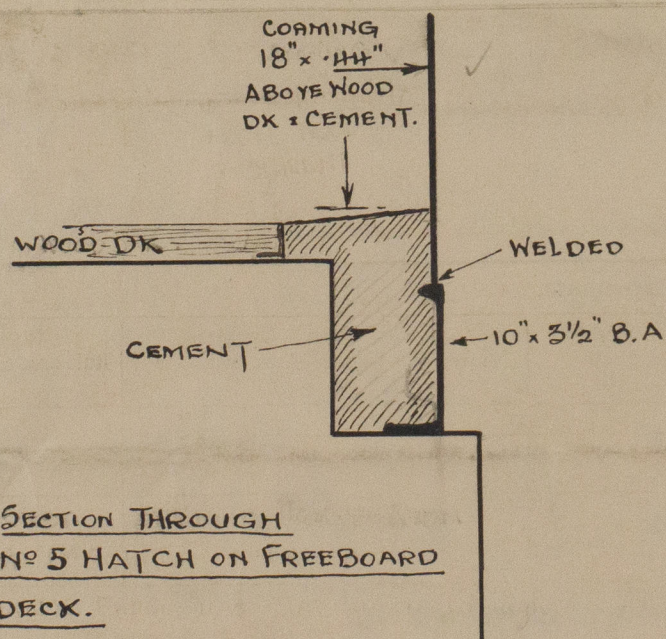
Particulars of Freeing Arrangements.						
	Length of Bulwark	Height of Bulwark	Size of Freeing Ports	Number each side	Area each side	Rule area each side
After Well SHELTER DK... AFT.	120' - 0"	3' - 9"	3' - 0" x 12"	5	15 sq. ft	12.0 $\frac{1}{2}$ ✓
Forward Well BRIDGE DK. FORWARD.	112 - 0	3' - 9"	2' - 6" x 12	6	15 sq. ft	✓
<p>State position of each freeing port { After Well :— FROM BRIDGE END - 30', 47', 72', 86', 103'</p> <p>(P. and A. position and height above deck edge) { Forward Well :— FROM PILE FRONT - 19', 36', 53', 70', 86', 97'.</p> <p>State whether the freeing ports are fitted with shutters, bars, or rails, and give particulars of such :— <i>with hinged shutters and one bar.</i></p> <p>Additional area where sheer is less than standard. ✓</p>						

PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS.											
FREEBOARD DECK.					BRIDGE & FORECASTLE DECK.			PROMENADE DECK.		UPPER FORECASTLE	
Description of Hatchway	No 1	No 5	LADDER HATCH TO NO 5 HOLD.	W.T. HATCH TO ROPE STORE AFT.	No 1	No 2.	L.H. To (2) No 1 & 2	No 3 & 4	LADDER H. To No 3.	FOR STORES	
Dimensions of Hatchway	18'-0" x 16'-0"	25' x 16'-7" 30' x 27"	4'-0" x 3'-8"	4'-0" x 3'-8"	24'-9" x 16'-0"	17'-6" x 16'-0"	30' x 24"	17'-6" x 16'-0"	2'-6" x 24"	2'-6" x 2'-6"	
COAMINGS	Height above Deck	9" B.A.	18"	30"	15"	31"	31"	31"	FLUSH.	30"	9"
	Thickness	9' x 3 1/2' x 40"	4 1/4"	4 1/4"	4 1/4"	4 1/4"	4 1/4"	4 1/4"	10' x 3 1/2' x 40"	4 1/4"	12' x 3 1/2' x 40"
	Sides	B.A.	✓	✓	✓	✓	✓	✓	B.A.	✓	B.A.
	Stiffeners	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
HATCH BEAMS	Brackets, Stays	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Number	3	3		4	3		3			
	Spacing	4'-6"	6'-3"		4'-6" x 5'-3"	4'-4 1/2"		4'-4 1/2"			
	Scantling and Sketch	WEB 14" x 50"	14" x 36"		WEB 14" x 40"	14" x 36"		14" x 36"			
FORE AND AFTERS	Bearing Surface	TOP FLANGE 7' x 68"	7' x 55"	✓	FLANGES TOP & BOT. 7' x 75"	7' x 40"	✓	7' x 40"	✓		
		BOT FLGE 13' x 68"	7' x 55"		3 1/2"	3 1/2"		3 1/2"			
		3 1/2"	3 1/2"								
		INSULATED PLUG BEAMS									
HATCH COVERS	Material	WP	WP	STEEL	STEEL	W.P.	W.P.	STEEL	W.P.	STEEL	STEEL
	Thickness	2 1/2"	3"	32"	32"	3"	2 1/2"	32"	2 1/2"	32"	32"
	How fitted	FORE & AFT.	F & A	W.T.	W.T.	F & A.	F & A.	W.T.	F & A.	W.T.	W.T.
	Bearing Surface	3"	5"	HINGED SECURED BY TOGGLES	HINGED SECURED BY TOGGLES	3"	3"	HINGED SECURED BY TOGGLES	3"	HINGED SECURED BY TOGGLES	HINGED SECURED BY TOGGLES
Spacing of Cleats	24"	24"			24"	24"					
Number of Tarpaulins	2	2			2	2					
*Are wood fore and afters steel shod at all bearing surfaces? <input checked="" type="checkbox"/> Are battens and wedges efficient and in good condition? <input checked="" type="checkbox"/> Are tarpaulins in good condition and in accordance with rule requirements? <input checked="" type="checkbox"/> Are lashings provided in accordance with rule requirements? <input checked="" type="checkbox"/>											

Particulars of any special features:— For carriage of Passenger and Refrigerated cargoes.

The flush hatchways at No 3 & 4 trunked hatchways on the Promenade deck, have steel troughs efficiently drained by scuppers, 1 port 1 starbd, which are led overboard through open bends. In addition false decking is fitted at the hatchways, in 1/4" steel galv. trays, secured to the deck by set pins. See above for particulars of tarpaulins and battening arrangements for these hatches.



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