

20 DEC 1919

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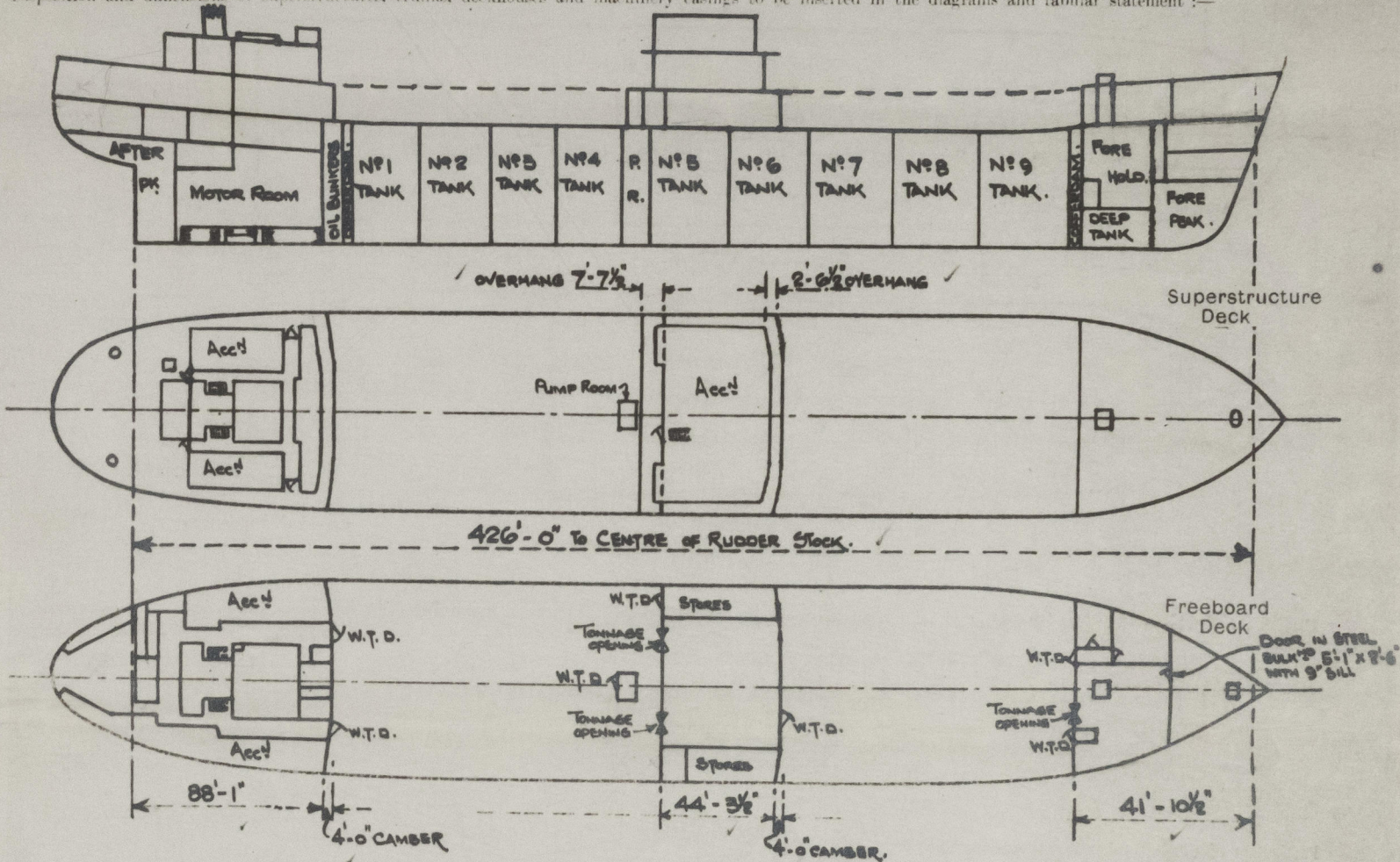
# Lloyd's Register of Shipping.

## SURVEYS FOR FREEBOARD.

### (CONDITIONS OF ASSIGNMENT.)

Ship's Name **PALUDINA.**Port of Survey **NEWCASTLE-ON-TYNE**Official Number **182926.**Surveyor's Signature *John, M. Taylor.*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" ✓	9" x 52 B.P.	25" - 31" ✓	WELDED TOP AND BOTTOM	2 @ 5'-0" x 2'-0"	18" ✓	8'-0" ✓
Raised Quarter Deck Bulkhead ...								
Bridge, After Bulkhead ...	30" ✓	30" ✓	3" x 2 1/2" x 25" ANGLE TDE ON	30" AND AS APPROVED	WELDED TOP AND BOTTOM	1 @ 5'-0" x 2'-0" 2 @ 5'-1" x 3'-1"	18" ✓	7'-6" ✓
Bridge, Forward Bulkhead ...	44" ✓	44" ✓	9" x 56 B.P.	24" - 30" ✓	WELDED TOP AND BOTTOM	1 @ 5'-0" x 2'-0"	18" ✓	7'-6" ✓
Forecastle Bulkhead ...	30" ✓	30" ✓	3" x 2 1/2" x 25" ANGLE TDE ON	24" - 27" ✓	NONE	1 @ 5'-0" x 1'-9 1/2" 1 @ 5'-0" x 2'-0" 1 @ 5'-1" x 4'-1"	24" ✓ 18" ✓ 18" ✓	7'-6" ✓
Trunk, Aft ...								
Trunk, Forward ...								
Exposed Machinery Casings on Foreboard or Raised Quarter Decks ...								
Exposed Machinery Casings on Superstructure Decks ...								
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ...								
MAIN PUMP ROOM								
Deckhouses on Flush Deck Ships ...	40" ✓	40" ✓	6" x 3" x 24" ANGLE TDE ON	25" - 27" ✓	WELDED TOP AND BOTTOM	1 @ 4'-6" x 2'-3"	24" ✓	7'-6" ✓

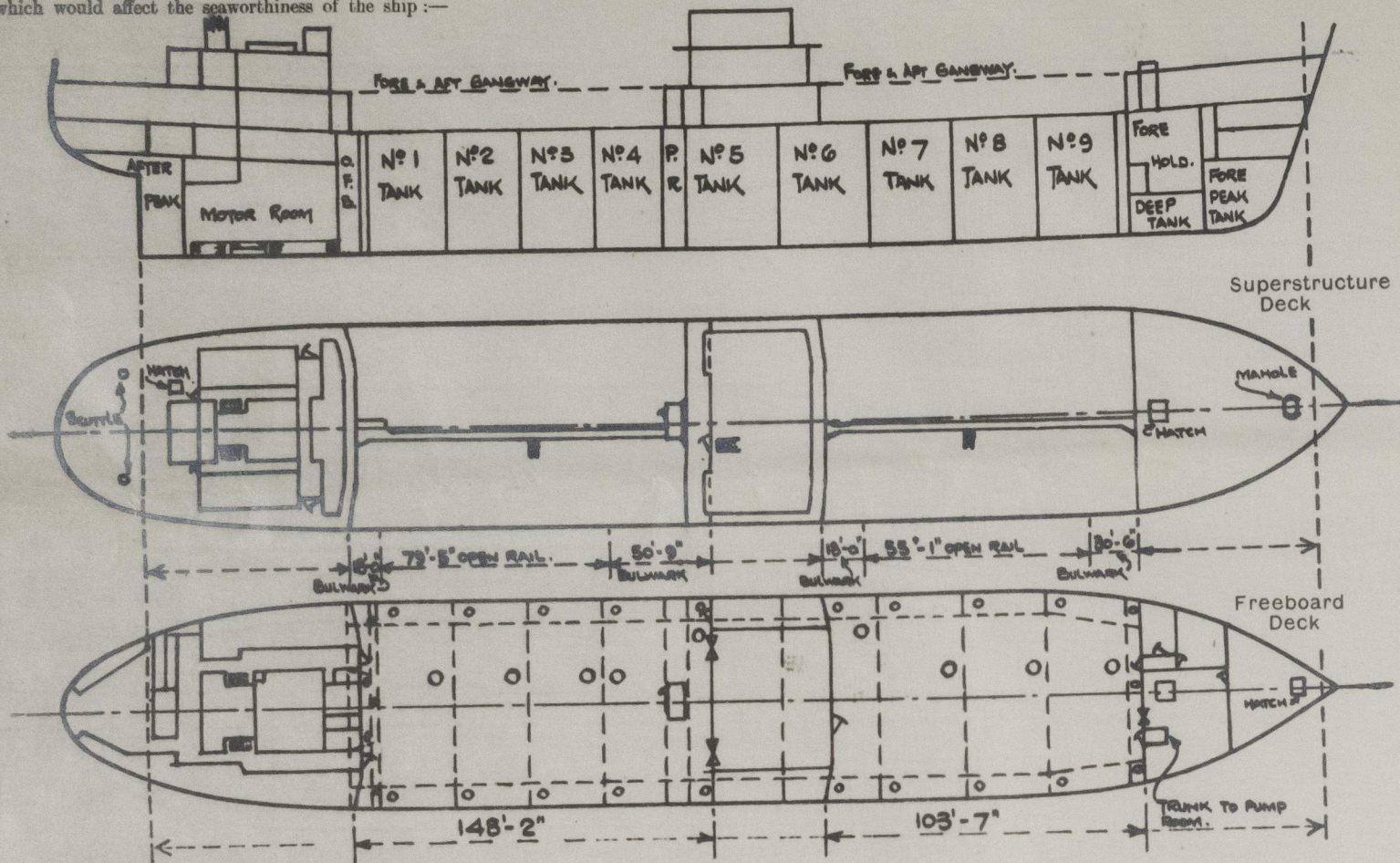
Particulars of Closing Appliances (state if capable of being manipulated from both sides).

Poop Bulkhead ...	2 WATERTIGHT DOORS MANIPULATED FROM BOTH SIDES.
Raised Quarter Deck Bulkhead ...	
Bridge, After Bulkhead ...	1 WATERTIGHT DOOR MANIPULATED FROM BOTH SIDES, AND 2 TONNAGE OPENINGS CLOSED BY PORTABLE PLATES, SECURED BY HOOK BOLTS NOT PASSING THROUGH BULKHEAD.
Bridge, Forward Bulkhead ...	1 WATERTIGHT DOOR MANIPULATED FROM BOTH SIDES.
Forecastle Bulkhead ...	2 WATERTIGHT DOORS MANIPULATED FROM BOTH SIDES, AND 1 TONNAGE OPENING CLOSED BY PORTABLE PLATES, SECURED BY HOOK BOLTS NOT PASSING THROUGH BULKHEAD.
Exposed Machinery Casings on Foreboard or Raised Quarter Decks ...	-
Exposed Machinery Casings on Superstructure Decks ...	-
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ...	-
MAIN PUMP ROOM	
Deckhouses on Flush Deck Ships ...	1 WATERTIGHT DOOR IN AFTER END OF PUMP ROOM 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 filley, funnel and ventilator coverings, engine room skylight and other openings in machinery casing tops and their means of closing :—

FUNNEL AND VENTS ON CASING TOP IN GOOD CONDITION. ✓  
ENGINE ROOM AND PUMP ROOM SKYLIGHTS OF STEEL STRONGLY CONSTRUCTED.  
COVERS FOR FIDLEY OPENINGS IN GOOD CONDITION.

Particulars of Flush Bunker Scuttles :—

NONE FITTED.

Particulars of Companionways:— ENTRANCE TO  
PUMP ROOM AT FORECASTLE FRONT:—  
WATER TIGHT STEEL DOOR 5'-0" x 1'-9" WITH  
18" SILL TO ENCLOSED STEEL TRUNK INSIDE  
FORECASTLE FRONT LEADING DOWN TO PUMP  
ROOM. ✓

DECKHOUSE ON BRIDGE DECK ENCLOSING  
LADDERWAY TO BRIDGE TWEEN DECKS:-  
ENTRANCE TO LADDERWAY IN AFTER END OF  
HOUSE, STARBOARD SIDE OF CENTRE LINE, SOLD  
WOOD DOOR 5'-0" X 2'-0" WITH 18" SILL. ✓  
DOORS MANIPULATED FROM BOTH SIDES

DECKHOUSE ON POOP DECK ENCLOSING  
LADDERWAY TO POOP TWEEN DECKS:-  
2 SOLID WOOD DOORS PORT AND  
STARBOARD 5'-3" x 2'-0" WITH 18" SILL.

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

FILE DECK:-  
4 VENTS ON FILE DECK 6" DIA., COAMING 36" x 30 TO FILE STORE.  
2 " " " " 10" " " 36" x 32 " SPACES.  
1 " " " " 12" " " 36" x 24 " F.P. STORE.  
2 " " " " 10" " " 36" x 32 " FORD HOLD.  
1 " " " " 10" " " 36" x 32 " PUMP ROOM.  
2 " " UPPER " 24" x 18-0" HIGH (LOWER PART 40).  
REMARKS 4-8" ABOVE DECK .25) AND SUPPORTED.

POOP DECK:-		
1	NENT ON POOP DECK 10" DIA, COMING	30" x 32 TO REFRIG. COMPT.
2 "	6 "	36" x 30 " STEERING GEAR COMPT.
1 "	6 "	36" x 30 " 2 <sup>ND</sup> DECK STORE.
1 "	6 "	36" x 30 " HAWSEY LOCKER.
2 "	11 "	36" x 32 " POOP TRIN DECK.

POOP DECK (CONT'D).

POOP DECK.

1 M. VENT	ON POOP DECK	8" DIA.,	COMING 30" x 32 TO PIPE PASSAGE
1 G. N. V	" " "	6" "	To Accom <sup>d</sup> in POOP TWEEN DECKS.
8 G. N. V.	" " "	5" "	" " " " " "

BOAT DECK.

1 VENT	ON BOAT DECK	10" DIA.,	COMING 36" x 32 TO REFRIG. COMPT.
4 "	" " "	11" "	36" x 32 " POOP TWEEN DECKS
4 "	" " "	12" "	36" x 34 " TWIN OF PASSAGE
2 "	" " "	14" "	36" x 36 " TWEEN DECKS
1 "	" " "	15" "	36" x 38 " SPACE BELOW BOILER FLAT.

ALL VENTILATION CONSTRUCTED IN ACCORDANCE WITH RULES,  
COAMINGS CLOSED WITH WOOD PLUGS AND CANVAS COVERS,  
OR STEEL GASLIGHT COVERS. ✓

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

Particulars of Air Pipes in exposed positions on freeboard, raised quarter, or superstructure.			
1	C.I. AIR PIPE ON FORECASTLE DECK	18" HIGH X 4" DIA FROM FORE PEAK	2 C.I. AIR PIPES ON POOP DECK
2	" " " " "	18" " X 4" " " " F.W. DEEP TANK	" " " " " " " 18" " X 2 1/2" " " F.W. TANK
2	" " " " " UPPER	7'-0" " X 3" " " " COFFERDAM	1 " " " " " " " 18" " X 2 1/2" " " STERN COMP.
2	" " " " " "	5'-0" " X 3" " " " AFT "	2 " " " " " " " 18" " X 3 1/2" " " A. P. TANK
2	" " " " " "	9'-0" " X 4" " " " OIL BUNKERS	1 " " " " " " " 18" " X 2 1/2" " " RUDDER TRUNK
2	" " " " " "	9'-0" " X 2" " " " SETTLING TANKS	2 " " " " " " " 18" " X 2 1/2" " " LUB. OIL TANK
2	" " " " " POOP	18" " X 4" " " " NO. 2 D.B. TANKS	1 " " " " " " " 18" " X 2 1/2" " " DISTILLED TK.
2	" " " " " "	18" " X 2" " " " D.B. COFFERDAM	

\* FITTED WITH HINGED FLAPS.

ALL AIR PIPES CLOSED BY WOOD PLUGS AND CANVAS COVERS.

Particulars of Gangway Cargo and Coaling Ports:—

- NONE FITTED -

Paludina

Particulars of Scuppers and Sanitary Discharge Pipes :—

UPPER DECK SCUFFERS :- 20 @ 6" DIA. COLLINSON TYPE FITTED. ✓

UPPER DECK SCUPPERS :- 2 @ 6 DIA. COLLISION PROTECTORS.  
FORECASTLE SPACE :- 1 @ 2 1/2" PORT & STARBOARD. LED OVERBOARD WITH STORM VALVE AT SHIP'S SIDE AND SCREWED

PLUGS IN FORECASTLE FRONT.

1 @ 1 1/2" PORT & STARBD. LED TO CHAIN LOCKER HAT.

POOP DECK. :- 2 @ 3" DIA. PORT & STARD. FROM BUTTERWAY LED OVERBOARD THROUGH STOWALVE

ROOF SPACE. :- 2 1/2, 2 1/2" DIA SCUPPERS LED OVERBOARD ABOVE L.W.L. WITH STORM VALVES AT SHIP'S SIDE AND SCREENED PLUGS AT INNER END.

**SANITARY DISCHARGES:-** THESE ARE FROM DECKHOUSES ON POOP & BRIDGE DECKS, ALSO FROM POOP TWEEN DECKS AND ARE LED OVERBOARD ABOVE UPPER DECK IN WAY OF BRIDGE, AND ABOVE L.W.L IN WAY OF POOP WITH STEER VALVES AT SHIP'S SIDES.

Particulars of Side Scuttles :—

12" DIA BRASS SIDELIGHTS IN POOP SIDES & FRONT WITH BRASS DEADLIGHTS.

8<sup>H</sup> " " " " BRIDGE SIDES

8" " " " " F<sup>2</sup> CLE SIDES & FRONT.

ALL SIDELIGHTS OF SUBSTANTIAL CONSTRUCTION.

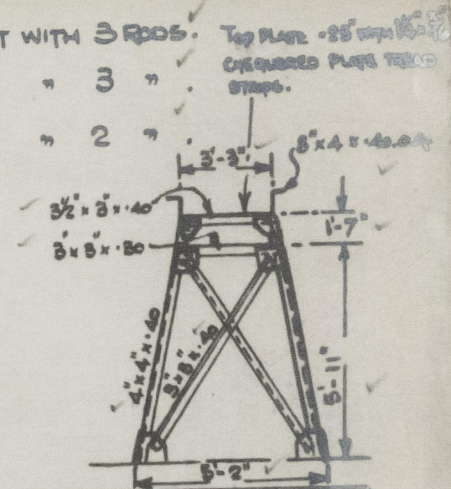
Vertical distance of Sill of lowest Side Scuttle above top of keel NONE BELOW UPPER DECK.

Particulars of Guard Rails :—

F/CLE, BRIDGE, & ROOP:- STANCHIONS 3'-6" HIGH SPACED 4'-6" TO 5'-0" APART WITH 3 ROOS. Top PLATE - 8" x 12" x 1/2"  
UPPER DECK :- " 3'-6" " " 4'-6" " " 3 " CYCLOSTIC PLATE THICK  
FORE & AFT GANGWAY :- " 3'-3" " " 5'-0" " " 2 " STANCH.

Particulars of Gangways, Lifelines, etc. :- FORE & AFT GANGWAY AS PER SKETCH FROM POOP TO BRIDGE, AND BRIDGE TO F<sup>2</sup>CLE.

SUPPORTS 7'-0" TO 9'-6" APART WITH FORE & AFT TIES  
OF  $3\frac{1}{2}$ " x  $3\frac{1}{2}$ " x .40 FITTED DIAGONALLY IN ALTERNATE SPACES



Particulars of Freeing Arrangements.

	Length of Bulwerk	Height of Bulwerk	Size of Freeing Ports	Number each side	Area each side	Rule area each side
After Well POOP FRONT ... BRIDGE END	18'-0" 50'-9"	3'-6"	36" x 15"	2	6.82 <del>3.41</del> Sq. ft.	} OVER 50% OPEN RAIL. ✓
Forward Well BRIDGE FRONT ... F'CLE FRONT.	18'-0" 30'-6"	3'-6"	36" x 15"	1	3.41 Sq. ft.	

State position of each freeing port ... { After Well :— 5'-0" ABAFT BRIDGE END & 18" FORWARD OF POOP FRONT } 12" ABOVE ✓  
(F. and A. position and height above deck edge) { Forward Well :— 18" FORWARD OF BRIDGE FRONT } UPPER DECK.

State whether the freeing ports are fitted with shutters, bars, or rails, and give particulars of such :— VERTICAL BARS 9" APART. ✓

Additional area where sheer is less than standard.

36" 15" © 2021

A diagram of a composite figure. It consists of a rectangle with a semicircle attached to its top side. The rectangle's width is labeled as 36" and its height is labeled as 15". The semicircle's diameter is also labeled as 36".



# PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS.											
			FREEBOARD DECK.		F'CLE DECK			POOP DECK			
Description of Hatchway	...	...	CARGO OIL HATCHES 9'-OFF	CARGO OIL HATCHES 18'-OFF	F'CLE SPACE	FWD & AFT CAPTAIN'S CABIN	CROSS BUNKER 2'-OFF	FORE HOLD.	FORE PEAK STORE	POOP TWEEN DECK	POOP STORE
Dimensions of Hatchway	...	...	4'-0" DIA	22" DIA	2'-6" x 2'-6"	25' x 18'	25' x 18'	5'-0" x 5'-0"	25' x 16'	2'-6" x 2'-6"	15' DIA
COAMINGS	Height above Deck	...	10'	10'	9' x 3 1/2" x 40. BA	7' x 5 1/2" x 40. BA		30' ✓	6' x 3 1/2" x 44. BA	12' x 8 1/2" x 44. BA	6' x 5 1/2" x 38. BA
	Thickness	Sides	.75	.75				.44			
	Stiffeners	Ends						.44			
	Brackets, Stays	...						3 1/2" x 40 FLAT.		9' ABOVE WOOD DECK	
HATCH BEAMS	Number	...						STEEL TRUNK			
	Spacing	...						TO			
	Scantling and Sketch	...						UPPER DECK			
	Bearing Surface	...						30'			
FORE AND AFTERS	Number	...						3 1/2" x 40'			
	Spacing	...						FLATS			
	Unsupported Lengths	...						SPACED 32'			
	Scantling* and Sketch	...						APART.			
HATCH COVERS	Material	...	O.T. STEEL COVER .40	O.T. STEEL COVER .40	WOOD 2 1/2"	W.T. STEEL COVER .80	W.T. STEEL COVER .40	W.T. STEEL COVER .38	W.T. STEEL COVER .38	W.T. STEEL COVER .38	W.T. STEEL COVER .38
	Thickness	...									
	How fitted	...	TOSLES SPACED 14"	TOSLES SPACED 20"	F & A 3"	BOLTED W.T. FITTING	5' x 5' x 30" O.A.R.	TOSLES SPACED 15"	TOSLES SPACED 15"	TOSLES SPACED 15"	TOSLES SPACED 15"
	Bearing Surface	...									
Spacing of Cleats	...	...			12' APART			19' APART.			
Number of Tarpaulins	...	...			1						

\*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:—

DRAFT MEASURED FROM BOTTOM OF KEEL	DISPLACEMENT	T. P. I.
25' - 0"	12675.	47.12.
26' - 0"	13243.	47.50.
27' - 0"	13817.	47.87.



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