

Lloyd's Register of Shipping.

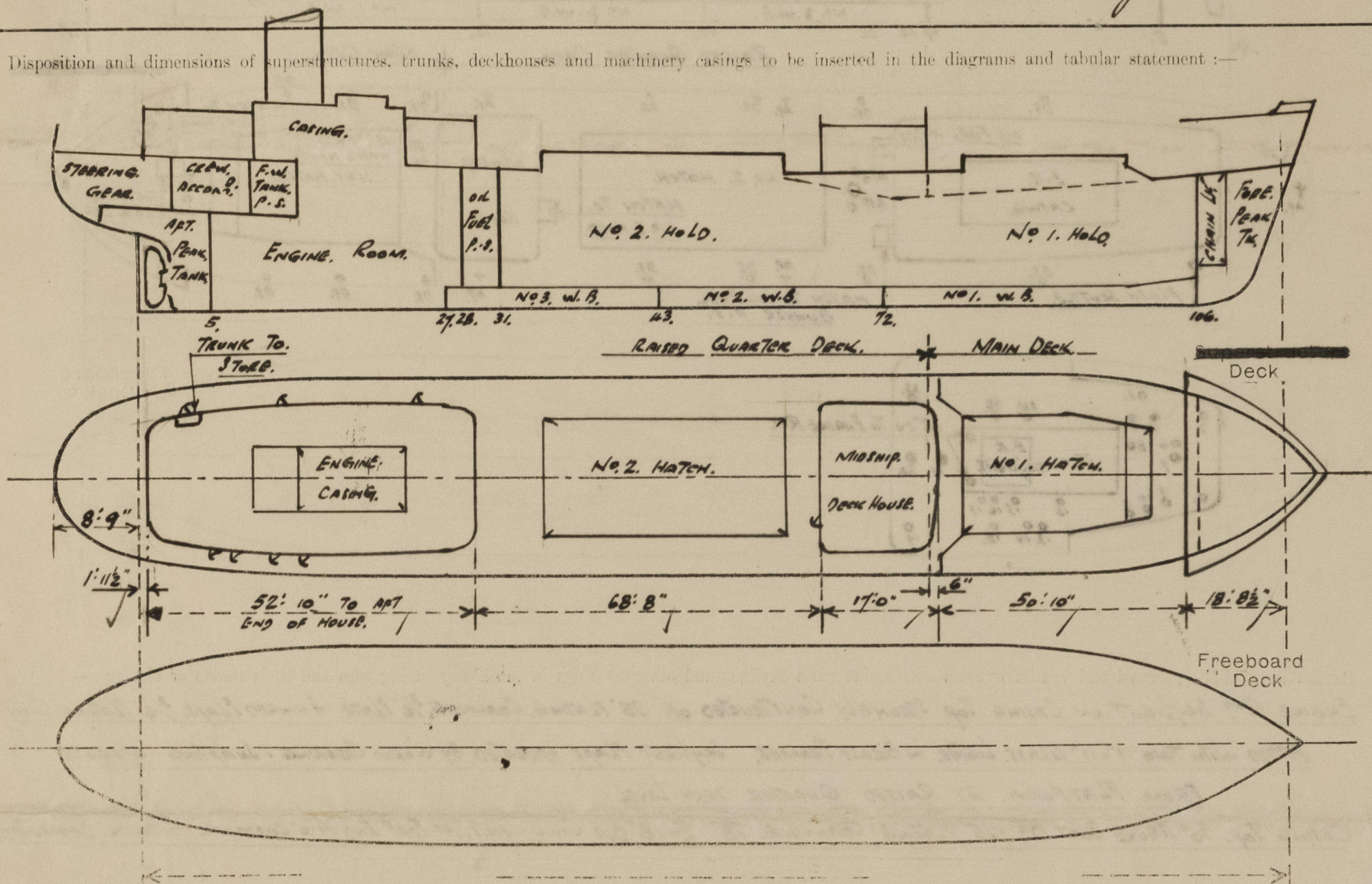
SURVEYS FOR FREEBOARD.

(CONDITIONS OF ASSIGNMENT.)

Index No. 42106
(For London Office only.)
24 JAN 1950

Ship's Name "PLUTO." Port of Survey BRISTOL.
Official Number 183678 Surveyor's Signature W. Henderson
Nationality and Port of Registry BRITISH. BRISTOL. Date of Survey 20th January 1950.

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.

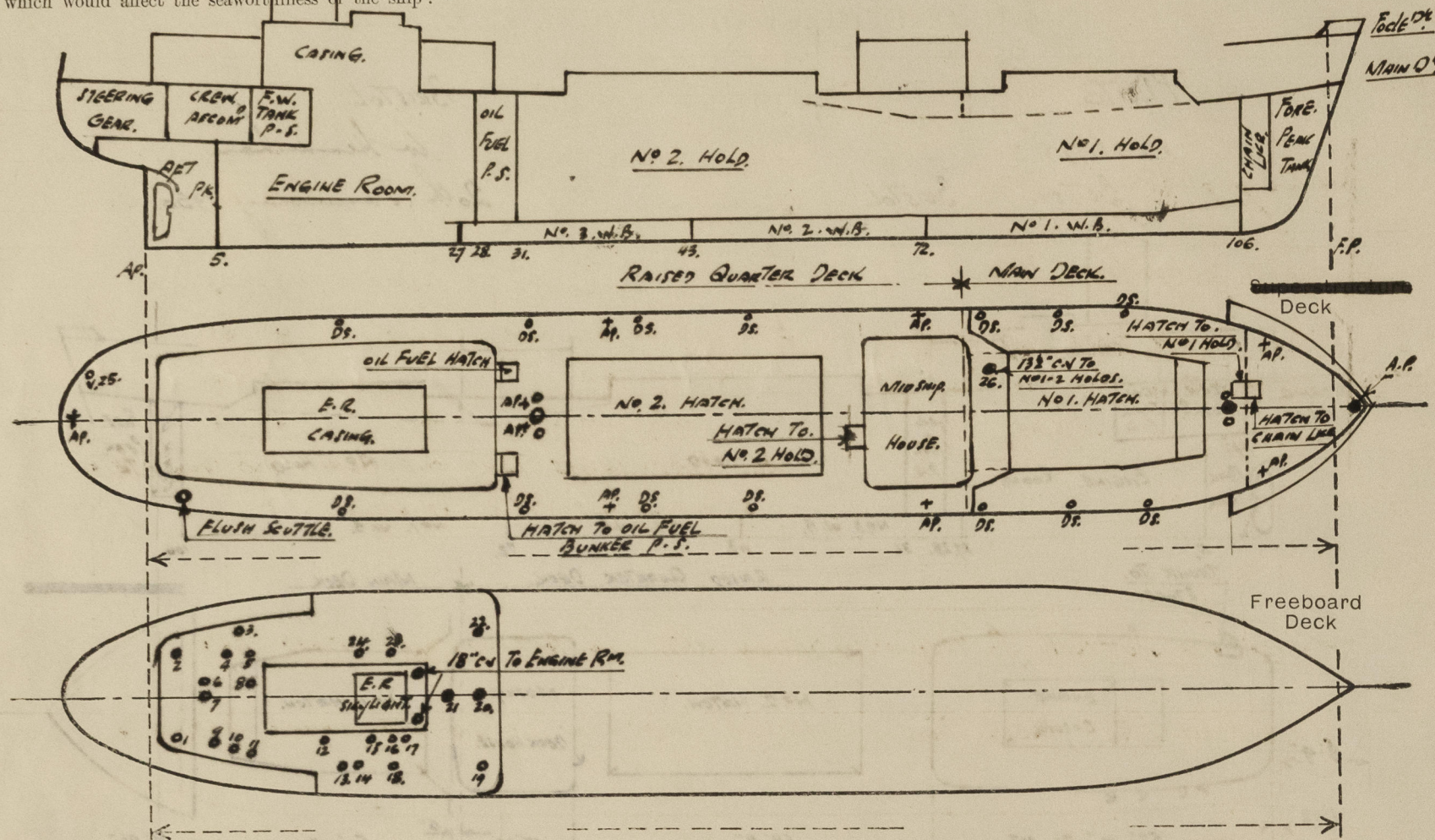
	Coaming	Plating	Stiffeners	Spacing	End Attachments of Stiffeners	Size of Openings	Height of Sills	Height of Casings
Poop Bulkhead ...	✓							
Raised Quarter Deck Bulkhead ...	31.	31.	3 1/2" x 3" x 3"	24"	WELDED Top & Bottom.	✓	✓	4' 0"
Bridge, After Bulkhead ...	✓							
Bridge, Forward Bulkhead ...	✓							
Forecastle Bulkhead ...	✓							
Trunk, Aft ...	✓							
Trunk, Forward ...	✓							
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	✓							
Exposed Machinery Casings on Superstructure Decks ...	28.	28.	3" x 3 1/2" FLAT.	30"	RACKET AT TOP.	✓	✓	2' 6"
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ...	✓							
AFT R. Q. Deckhouse on Deck Ship ...	28.	28.	3" x 3 1/2" FLAT.	30" AND 32"	BKT. AT TOP. BTM. E.W. TO DECK.	2' 0" x 2' 0" AND 4' 9" x 2' 0"	3' 10" 18"	1' 0"

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

Poop Bulkhead ...	✓
Raised Quarter Deck Bulkhead ...	NO OPENINGS. ✓
Bridge, After Bulkhead ...	✓
Bridge, Forward Bulkhead ...	✓
Forecastle Bulkhead ...	OPEN. ✓
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 ...	✓
AFT R. Q. Deckhouse on Deck Ship ...	TRUNK TO STORE (P). 2' 0" x 2' 0" OPENING WITH HINGED STEEL DOOR SILL 3 1/2" OPERATED FROM BOTH SIDES. 2" THICK HINGED WOOD DOORS. (P.S.) OPERATED 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 filler, funnel and ventilator coamings, engine room skylight and other openings in machinery casing tops and their means of closing:—

ENGINE RM. SKYLIGHT ON CASING TOP STRONGLY CONSTRUCTED OF .25" PLATING, COAMING, 3/8" PLATE ANGINED FLAPS 3/16" PLATING, EACH FITTED WITH TWO 11" x 11" GLASS LIGHTS IN BRASS FRAMES. SKYLIGHT FLAPS OPERATED BY WORM GEARING. SWARTING OPERATED FROM PLATFORM AT RAISED QUARTER DECK LEVEL.
CASING TOP, 36" ABOVE BOAT D⁴. .25" PLATING COAMING, 28" 2-18" DIA COWL LENTS, AT FORE END 4-6" COAMING. ATTACHES BECKETED.

Particulars of Flush Bunker Scuttles:—

ON RAISED QUARTER D⁴ (STARBOARD SIDE). FRAMES NO. 1-2. 18" DIA. GALVANISED WITH RIM GROUTING + COVER CHAIN ATTACHMENT.

Particulars of Companionways:—

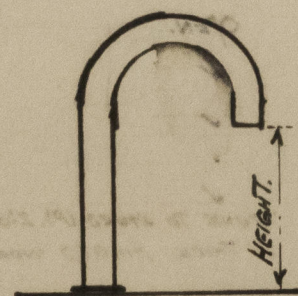
NONE.

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

NO.	SPACE.	TYPE.	DIA.	COAMING	FRAMES	NO.	SPACE.	TYPE.	DIA.	COAMING	FRAMES
1	2 SEAMEN.	CL.	5"	15"	31. P.	14	"	"	"	"	"
2	"	CL.	5"	15"	31. S.	15	PASSAGE	CL.	5"	15"	31. S.
3	STORE.	CL.	5"	15"	31. P.	16	DRY ROOM.	CL.	5"	15"	31. S.
4	PANTRY.	CL.	5"	15"	31. P.	17	E. WASH.	CL.	5"	15"	31. S.
5	SEAMEN.	CL.	5"	15"	31. P.	18	CREW'S WC.	CL.	5"	15"	31. S.
6	ENGINE RM.	CL.	9"	23"	31. P.	19	CHIEF ENG.	CL.	5"	15"	31. S.
7	STEERING GEAR.	CL.	7"	15"	31. E.	20	MESS.	CL.	9"	15"	31. E.
8	SEAMEN (M).	CL.	5"	15"	31. P.	21	2 ND ENG.	CL.	5"	15"	31. P.
9	2 SEAMEN.	CL.	5"	15"	31. S.	22	PASSAGE.	CL.	9"	15"	31. E.
10	PASSAGE.	CL.	5"	15"	31. S.	23	3 RD ENG.	CL.	5"	15"	31. P.
11	GALLEY.	CL.	5"	15"	31. S.	24	STEWART.	CL.	5"	15"	31. P.
12	SEAMEN'S WASH.	CL.	5"	15"	31. S.						

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

FR.	COMPARTMENT.	POSITION	DIA.	HEIGHT.	DECK.
105-106	NO. 1. WATER BALLAST TANK.	PORT. STARBOARD.	3"	36"	MAIN DECK
71-72	NO. 2 " " "	" " "	4"	30"	R. & DECK
42-43	NO. 3 " " "	" " "	3"	30"	R. & DECK
STEM.	FORE PEAK TANK.	CENTRE LINE.	3"	18"	FOCLE DECK
STERN.	APT. " "	" " "	3"	30"	R. & DECK
30-31.	OIL FUEL BUNKERS.	" " "	3"	36"	R. & DECK.



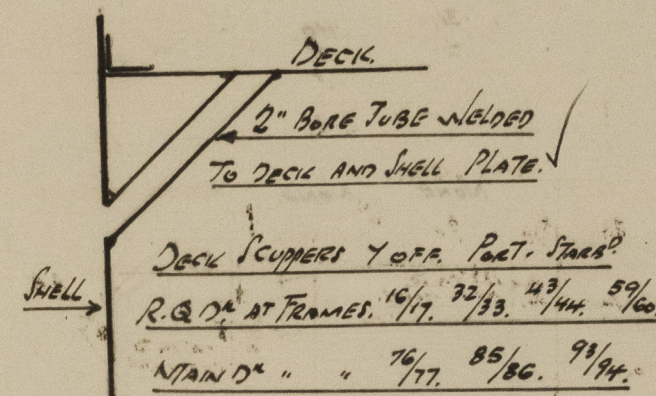
AIR PIPES FITTED WITH WOOD PLUGS + CANVAS COVER.

AIR PIPES TO OIL FUEL FITTED WITH GRAUTE AND CANVAS COVER.

Particulars of Gangway Cargo and Coaling Ports:—

NONE.

Particulars of Scuppers and Sanitary Discharge Pipes:—



2 1/2" DIA. GALLEY DISCHARGE	STARBOARD FRAMES 9-10.
3" " SEAMEN'S WASH. DISCH.	" " 15-16.
5" " " N.C. " "	" " 18-19.
2 1/2" " ENGINE BATH ROOM " "	" " 22-23.
2" " " MESS SINK " PORT "	" " 24-25.
3" " OFFICERS BATH ROOM " STARBOARD "	" " 67-68.
4" " " N.C. " "	" " 69-70.
3" " PANTRY. ACC. N.B. " PORT "	" " 67-68.

ALL DISCHARGES LEAD OVER BOARD AND GUN METAL STORM VALVES FITTED AT SNELL.

Particulars of Side Scuttles:—

9-10" SIDE SCUTTLES TO ACCOMMODATION AFT. 2 PORT AND STARBOARD. FIBRO LIGHTS.
3 STARBOARD AND 2 PORT. HINGED STRONGLY CONSTRUCTED. RESETS ZONE "B" TYPE WITH HINGED DEADLIGHTS.

Vertical distance of Sill of lowest Side Scuttle above top of keel 18' 0".

Particulars of Guard Rails:—

FITTED ROUND BOAT DECK ON TOP OF AFT DECK HOUSE
3' 0" HIGH 3 ROWS OF RAILS. 12" APART STANCHIONS 4' 6" APART.

Particulars of Gangways, Lifelines, etc.:—

LIFE LINE PROVIDED FOR.

Particulars of Freeing Arrangements.

	Length of Bulwark	Height of Bulwark	Size of Freeing Ports	Number each side	Area each side	Rule area each side
R. & D ⁴	156' 0"	3' 3"	11' 0" x 9' 1"	5.	45.25 0'	31.2 6'
Forward Well	51' 4"	3' 3"	11' 0" x 9' 1"	3.	24.75 0'	11.63 6'
State position of each freeing port { R. & D ⁴ — FR. 4/10. 19/25. 34/40. 44/55. 67/69. } BOTTOM OF OPENINGS. 9" ABOVE DECK.						
(P. and A. position and height above deck edge) Forward Well:— FR. 77/83. 86/92. 95/101.						
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.									
		N/A.M. D. ⁴ R.Q.D.		MAIN. DECK.		R.Q. DECK.			
Description of Hatchway		No. 1.	No. 2.	HATCH TO CHAIN LOCKER.	HATCH TO NO. 1 HOLD FORWARD.	HATCH TO OIL FUEL P. S.	HATCH TO NO. 2 HOLD.		
Dimensions of Hatchway		36'8" x 20'0"	51'4" x 20'0"	2'0" x 2'0"	2'2" x 2'0"	2'0" x 1'6"	2'0" x 2'0"		
COAMINGS	Height above Deck	For 3'6" Apt. 5'0"	3'6"	24"	24"	30"	18"		
	Thickness { Sides	44	44	40	40	31	40		
	Thickness { Ends	44	44	40	40	31	40		
	Stiffeners	8 x 3 x 40 9A, 8 x 3 x 40 9A.							
Brackets, Stays		31. FLD	31. FLD	=	=	=	=		
HATCH BEAMS	Number	7	9						
	Spacing	4'7" ✓	5'1 1/2" ✓						
	Scantling and Sketch			NONE.	NONE.	NONE.	NONE.		
	Bearing Surface	3"	3"						
FORE AND AFTERS	Number								
	Spacing								
	Unsupported Lengths								
	Scantling* and Sketch	NONE.	NONE.	NONE	NONE	NONE.	NONE.		
Bearing Surface									
HATCH COVERS	Material	W.W.	W.W.	HINGED STEEL	HINGED STEEL	HINGED STEEL	HINGED STEEL		
	Thickness	2 1/2"	2 1/2"	W.T. LIP 40"	W.T. LIP 40"	W.T. LIP 31"	W.T. LIP 40"		
	How fitted	F.A.	F.A.	WITH TOGGLES.	WITH TOGGLES.	WITH TOGGLES.	WITH TOGGLES.		
	Bearing Surface	3"	3"						
Spacing of Cleats		24"	24"						
Number of Tarpaulins		2 ✓	2 ✓						
<p>ALL HATCH COVERS ENDS.</p> <p>* wood fastened steel shod at all bearing surfaces? ✓</p> <p>Are battens and wedges efficient and in good condition? YES ✓</p> <p>Are tarpaulins in good condition and in accordance with rule requirements? YES ✓</p> <p>Are lashings provided in accordance with rule requirements? YES ✓</p>									

Particulars of any special features:—



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