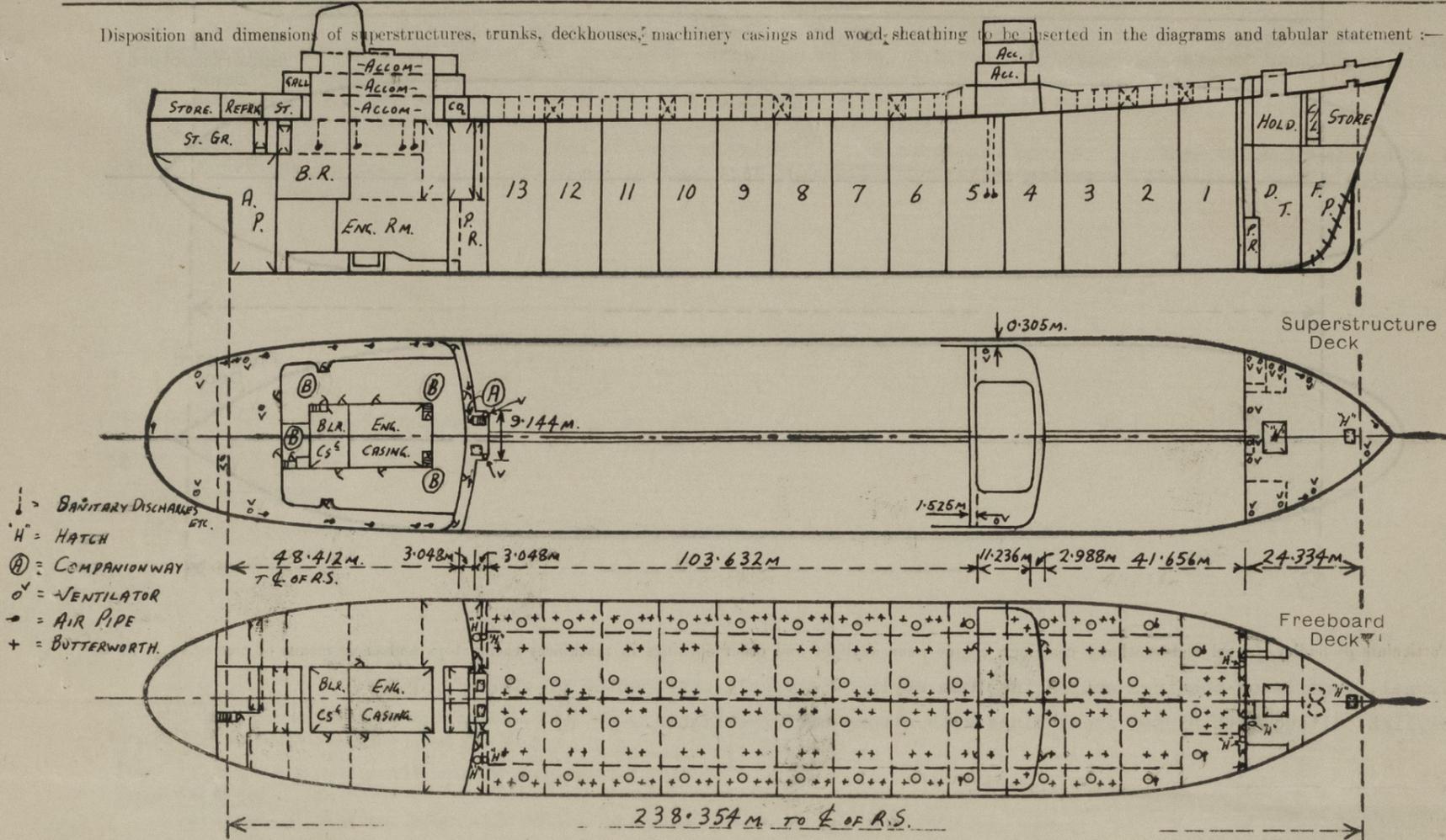


SURVEYS FOR FREEBOARD
(CONDITIONS OF ASSIGNMENT)

Ship's Name "GEORGE L. PARKHURST" Port of Survey Udevalla
 Official Number 1527 Surveyor's Signature *A. Brewer*
 Nationality and Port of Registry Liberian, Monrovia Date of Survey 1960.

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



Particulars of Superstructures, Trunks, Casings, Deckhouses.

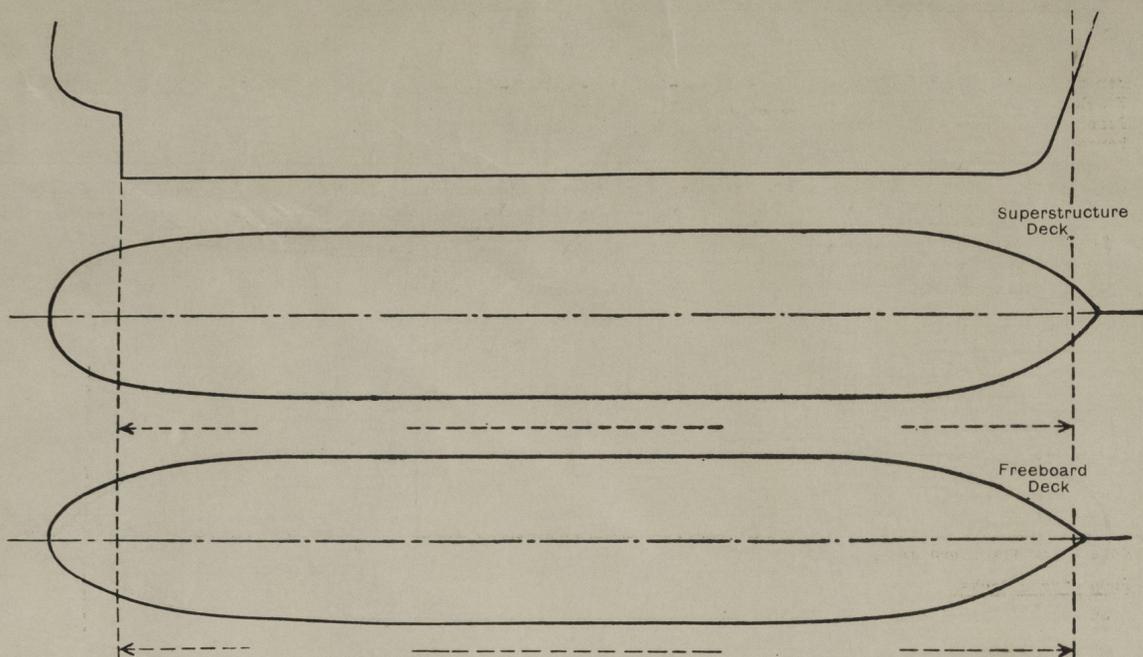
	Coaming mm.	Plating mm.	Stiffeners mm.	Spacing mm.	End Attachments of Stiffeners	Size of Openings mm.	Height of Sills mm.	Height, Beam to Beam mm.
Poop Bulkhead	12.0	12.0	380x11+100x11	762&788	top & Bktd. btm.	1525 x 820 1370 x 720 590 dia.	460 610 610	2590
Raised Quarter Deck Bulkhead	-	-	-	-	-	-	-	-
Bridge, After Bulkhead	8.0	8.0	130x75x8	762&788	Bktd. top Welded btm.	1525 x 820 1600 x 1260	460 585	3660
Bridge, Forward Bulkhead	12.0	12.0	470x14+200x14	762&788	Bktd. top and bottom	1525 x 820 1525 x 820	460 460	3660
Forecastle Bulkhead	8.0 & 16.0	8.0 & 16.0	100x75x8	762&788	Bktd. top None btm.	1525 x 820 1525 x 820 1370 x 720 1600 x 1260	460 460 610 585	2590
Trunk, Aft	-	-	-	-	-	-	-	-
Trunk, Forward	-	-	-	-	-	-	-	-
Enclosed Machinery Casings on Freeboard	7.5	7.5	(sides) 100x75x7 (for d) 75x50x10	762	None top&btm. None top&btm.	1780x817&1780x715 =	230 =	2590
Enclosed Machinery Casings on Superstructure Decks	6.5	6.5	(aft) 90x75x7 (sides) 100x75x7 (F&A) 90x75x7	762	Lugged top, none btm. None top and bottom	1780x715 =	230 =	2590
Machinery Casings within Superstructures not fitted with Class I Closing Appliances	-	-	-	-	-	-	-	-
Deckhouses (Pump Room Entrances) aft	7.5	10.0	(front) 200x90x11 (sides) 90x75x10 (end) 90x75x10	700-799 762 450-800	Weld. top&btm. Lugged top, weld. btm. None top&btm.	1525x720 1555x660 1525x720	460 460 460	2590

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

Poop Bulkhead	4 openings closed by hinged steel W.T. doors operated both sides. 2 opening (to cross bunker tanks) closed by O.T. domed hatch cover.	Class I.
Bridge, After Bulkhead	2 openings closed by hinged steel W.T. doors operated both sides. 1 opening closed by portable steel plate with hook bolts.	Class II.
Bridge, Forward Bulkhead	2 openings closed by hinged steel W.T. doors operated both sides.	Class I.
Forecastle Bulkhead	5 openings closed by hinged steel W.T. doors operated both sides. 1 opening closed by portable steel plate with hook bolts.	Class II.
Enclosed Machinery Casings on Freeboard	3 openings (lp. 2s.) closed by hinged steel insulated doors operated both sides.	
Enclosed Machinery Casings on Superstructure Decks	4 openings (2p. 2s.) closed by hinged steel insulated doors operated both sides.	
Machinery Casings within Superstructures not fitted with Class I Closing Appliances	---	
Deckhouses (Pump Room Entrances) aft	4 openings (2fr. 2 end) closed by hinged steel W.T. doors operated both sides. 2 openings (lp. 1s.) closed by hinged hardwood doors (2" thick) operated 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, side scuttles, scuppers, 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 :-

Funnel, ventilator coamings and engine room skylight strongly constructed of steel.
Skylight fitted with hinged steel flaps with strong bullseye lights.

Particulars of Flush Bunker Scuttles :-

Poop Deck aft to Rope Store.

580 mm. diam. secured W.T. from under deck by central screw operating 4 toggles. Cover permanently attached by chain.

Particulars of Companionways :-

(including those incorporated in deckhouses and masthouses)

- (A) Companionway of steel, exposed at forward end of poop deck, to after main pump room. Hinged steel W.T. door, 1525 x 720 opening with sill of 460 mm., door capable of being operated both sides.
- (B) Companionways to poop tw. decks enclosed in strong steel casing within poop deckhouse. Hinged steel insulated doors, 1855 x 715 opening with sill of 166 mm., doors operated from both sides.

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

Forecastle deck:-

- 2 - 293 mm. dia. x 9.5 thick x 1100 high. (Bracketed to deck)
- 1 - 432 " " x 11.0 " " x 1200 " (" " ")
- 2 - 293 " " x 9.5 " " x 1530 " (Supported at main & f'cle decks)
- 1 - 590 " " x 11.0 " " x 1200 " (Bracketed to deck)
- 6 - 250x150(built) x 10.0 " x 1200 " (" " ")

Bridge deck:-

- 2 - 275x100(built) x 10.0 thick x 850 high. (Bracketed to deck)

Poop deck:-

- 2 - 700 diam. x 10.0 thick x 1600 high (Bracketed to deck)
- 2 - 432 " " x 11.0 " " x 1000 " (" " ")
- 2 - 293 " " x 9.5 " " x 1100 " (" " ")
- 2 - 250x150(built)x 9.0 " x 1000 " (" " ")

All ventilators have W.T. bolted cover plates or wood plugs and canvas covers.

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

Freeboard deck:-

- 2 - 6" diam. x 1050 mm. high from No.5 wing cargo(ballast tanks) port & starboard.
- 4 - 6" " x 1050 " " " Nos. 1&2 wing cargo (void tanks) p&s.
- 4 - 4" " x 1050 " " " for'd & after main cofferdams (p&s)
- 2 - 6" " x 2285 " " " forward deep tanks (p&s)

Forecastle deck:-

- 1 - 3" diam. x 915 mm. high from fore peak tank.
- 2 - 3" " x 460 " " " forward deep tank (p&s)

Poop deck:-

- 1 - 3" diam. x 915 mm. high from after peak tank.
- 2 - 4" " x 915 " " " " (p&s)
- 2 - 2" " x 915 " " " tw.dk. F.W. tank.
- 4 - 2" " x 460 " " " after double bottom tank (p&s)
- 4 - 2" " x 460 " " " forward " " (p&s)
- 2 - 2" diam. x 460 mm. high from E.R. cofferdam.
- 2 - 5" " x 460 " " " wing bunker tanks (p&s)
- 2 - 6" " x 460 " " " cross " " (p&s)

All air pipes fitted with inverted patent ball valves.

Air pipes from oil tanks and adjacent C/D^B fitted also with wire gauze.

Particulars of Gangway Cargo and Coaling Ports :-

None.

Particulars of Scuppers and Sanitary Discharge Pipes :-

- Forecastle deck drained to freeboard deck thro' open pipe scuppers.
- Freeboard deck drained overboard by heavy quality galvanized open pipe scuppers.
- Poop deck drained overboard by open pipe scuppers.
- Forecastle and bridge tween deck spaces drained onto freeboard deck by means of screwed plugs at after bulkheads, attached with chain.
- Poop tween deck space (in way of engine room) drained to engine room bilges, fitted with weighted valves at lower ends.
- Steering gear, after store spaces and fore peak store spaces etc. drained overboard by means of hand pumps, fitted with automatic non-return valves at shell side, at hand pump and at each branch line.
- Wash basin and sanitary discharges from poop accommodation led overboard below freeboard deck, fitted with automatic non-return valves at shell side and trapped scuppers at inboard ends.
- Wash basin and sanitary discharges from midship accommodation led overboard approx. 9 metres below freeboard deck thro' heavy quality galvanized open pipes, fitted with automatic non-return valves at freeboard deck and trapped scuppers at inboard ends.

Particulars of Side Scuttles and Deadlights :-

None below freeboard deck.

Poop tween decks.

65 - 16" diam. opening (33p, 32s) with brass frames and brass deadlights.

Vertical distance of Sill of lowest Side Scuttle above top of keel 18.5 metres.

Distance from amidships to centre of lowest Side Scuttle 73.3 metres.

Particulars of guard rails and bulwarks:-

Freeboard deck:

Guard rails 1100 mm. high - 3 rails, stanchions spaced approx. 1300 mm. apart.

Forecastle deck:

Steel bulwark at forward end, tapered from 1400 mm. high forward to 500 mm. high at fr.245, 13 mm. thick with 150x8 b.plt. rail bar. Plate stays 13 mm. thick, with 125 x 12.5 flat bar edge stiffening, spaced approx. 1000 mm. apart.

Remainder 3 rail guard rails 1070 mm. high, stanchions spaced approx. 1200 mm. apart.

Bridge deck:

Steel bulwark at front & sides, 1070 mm. high x 8.5 mm. (front) and 13.5 & 16.0 (sides), 150x8 b.plt. rail bar, plate stays 9 mm. thick flanged 75 mm. spaced max. 1850 mm. (front) and 1524 mm. (sides), intermediate 90x10 flat bar stiffeners.

Remainder (aft end) 3 rail guard rails 1070 mm. high, stanchions spaced approx. 1200 mm. apart.

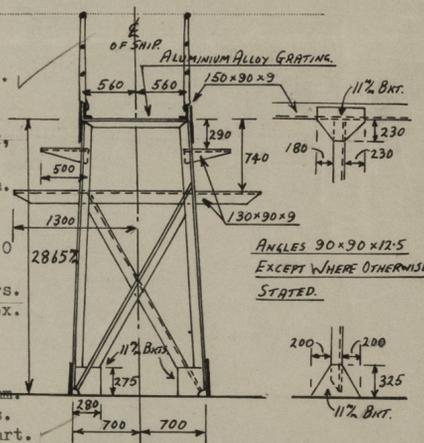
Poop deck:-

Steel bulwark at front & sides (from fr.15 forward), 1070 mm. high x 8 mm. thick, 150x8 b.plt. rail bar, plate stays 8 mm. thick flanged 75 mm. spaced 1524mm. and 1576 mm. (front) and 1524 mm. (sides), intermediate 100x10 flat bar stiffeners.

Remainder 3 guard rails 1070 mm. high, stanchions spaced approx. 1200 mm. apart.

Particulars of Gangway, Lifelines, etc:-

Gangway between poop & bridge and bridge & forecastle. Supports spaced every tank web space - 3048 mm. Cross bracing spaced approx. 24 metres aft and 12 metres forward.



F&A GANGWAY SUPPORTS

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 ...			OPEN			
Forward Well ...			RAILS.			

State position of each freeing port ... (After Well :- -- (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.											
		Freeboard deck				Poop front	Freeboard deck		F'cle deck				
Description of Hatchway		(45) Cargo oil tanks	(2) Nos. 5 wing b.w. tanks	(4) Nos. 1&2 wing dry tanks	(4) Main coffer-dams.	(2) Wing bunker tanks (p&s)	(2) Cross bunker tanks (p&s)	to hold	to store	To f'cle Tw.Dk.	To hold		
Dimensions of Hatchway		1220 mm. diam.				610 diam.	800 diam.	610 diam.	620x420 oval	1220 x 1220	782x782	6074 x 4561	
COAMINGS	Height above Deck	762 mm.				610mm.	610mm.	610mm.	230mm.	230mm.	610mm.	960mm.	
	Thickness	12.5				11.0	12.5	12.0	11.0	11.0	11.0	11.0	
	Stiffeners	-	-	-	-	-	-	-	-	-	-	1 fld. bkt.	
	Brackets, Stays	-	-	-	-	-	-	-	-	-	-	3 fld. bkts also 200x90x11 I.A. horiz. stiff around.	
HATCH BEAMS	Number	/	/	/	/	/	/	/	/	/	/		
	Bearing Surface	/	/	/	/	/	/	/	/	/	/		
FORE AND AFTERS	Number	/	/	/	/	/	/	/	/	/	/		
	Bearing Surface	/	/	/	/	/	/	/	/	/	/		
HATCH COVERS	Material	Domed aluminium alloy				Dom. al. ally.	Dom. al. ally.	Steel	Steel	Steel	Steel	Steel	
	Thickness	12.5				12.5	12.5	12.5	10.0	9.5	9.5	10.0 & 255x20 circumf. plate.	
	How fitted	Hinged O.T. & secured by 8 toggles, spaced approx. 500 mm.				Hinged O.T. secured by 4 toggles spaced approx. 500	Hinged O.T. secured by 6 toggles spaced approx. 450	Hinged O.T. secured by 4 toggles spaced approx. 500	Hinged W.T. secured by 4 toggles spaced approx. 500	Hinged W.T. secured by 8 toggles spaced approx. 500	Hinged W.T. secured by 7 toggles spaced approx. 440	Hinged W.T. secured by 5 toggles spaced approx. 440	Edge stiff. 150x16
	Bearing Surface	500 mm.				500	450	500	400 & 500	500	440	440	225x90x12 I.A. stiff. fitted longitudinally
Spacing of Cleats		-	-	-	-	-	-	-	-	-	-	5 - Intd. gds. 12mm. th. with cont. face plts. 150x12	
Number of Tarpaulins		-	-	-	-	-	-	-	-	-	-	hinged W.T. & secured by toggles spd. 530 mm.	

*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?
 Are wood covers fitted with galvanised end bands?

Particulars of any special features:— (Timber Deck-cargo Fittings, Skylights, Sewage Systems, Ash Ejectors, Rubbish Shoots, etc.)

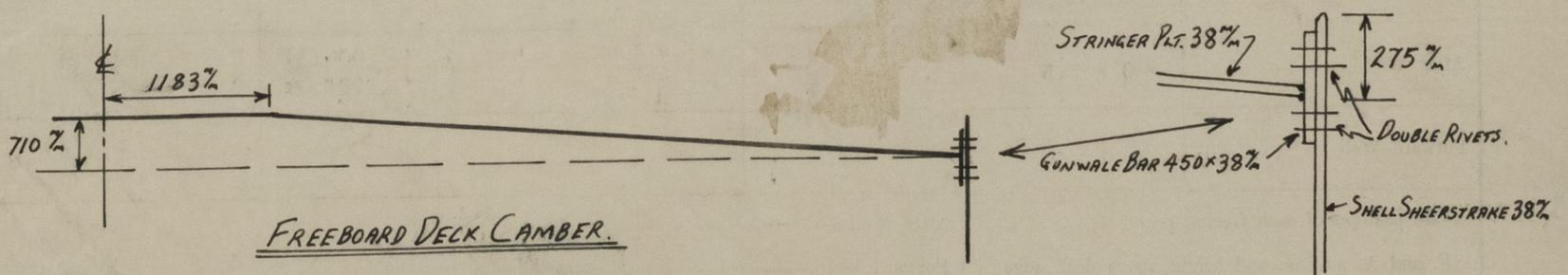
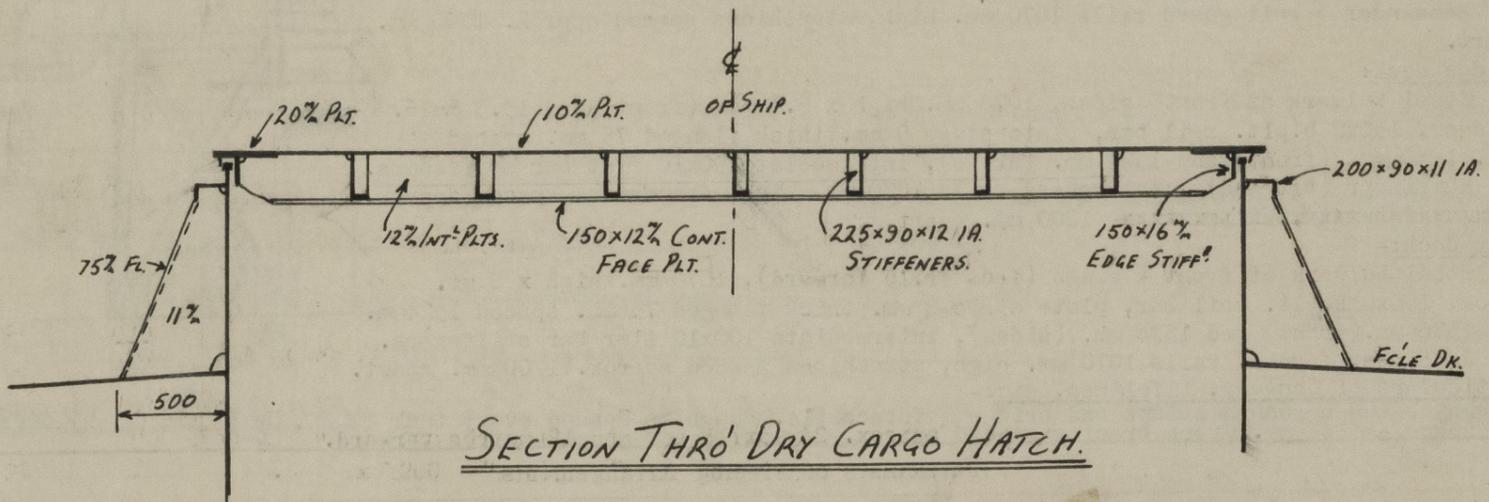
Butterworth openings in freeboard deck. (excluded in Nos. 1, 2 and 5 wing dry & B.W. tanks)

160 openings 317.5 mm. diameter reinforced with doublings 635 x 36 mm. thick, (additional under deck doublings 500x38 mm. thick on 89 openings).

Bronze cover plates 457 x 16 mm. thick, secured by 10 - 3/4" stainless steel studs and brass nuts, union packing fitted.

Pump room skylight.

On poop deck over pump room, 1850 x 1524 x 260 mm. high (to sill of flaps) & 10 mm. thick. Hinged steel W.T. flaps (4 off) with 2 - 10" x 12.5 mm. wire reinforced glasses in each flap. Flaps fitted with ratchet & worm arrangement, geared together and operated from poop deck by handwheel arrangement.



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