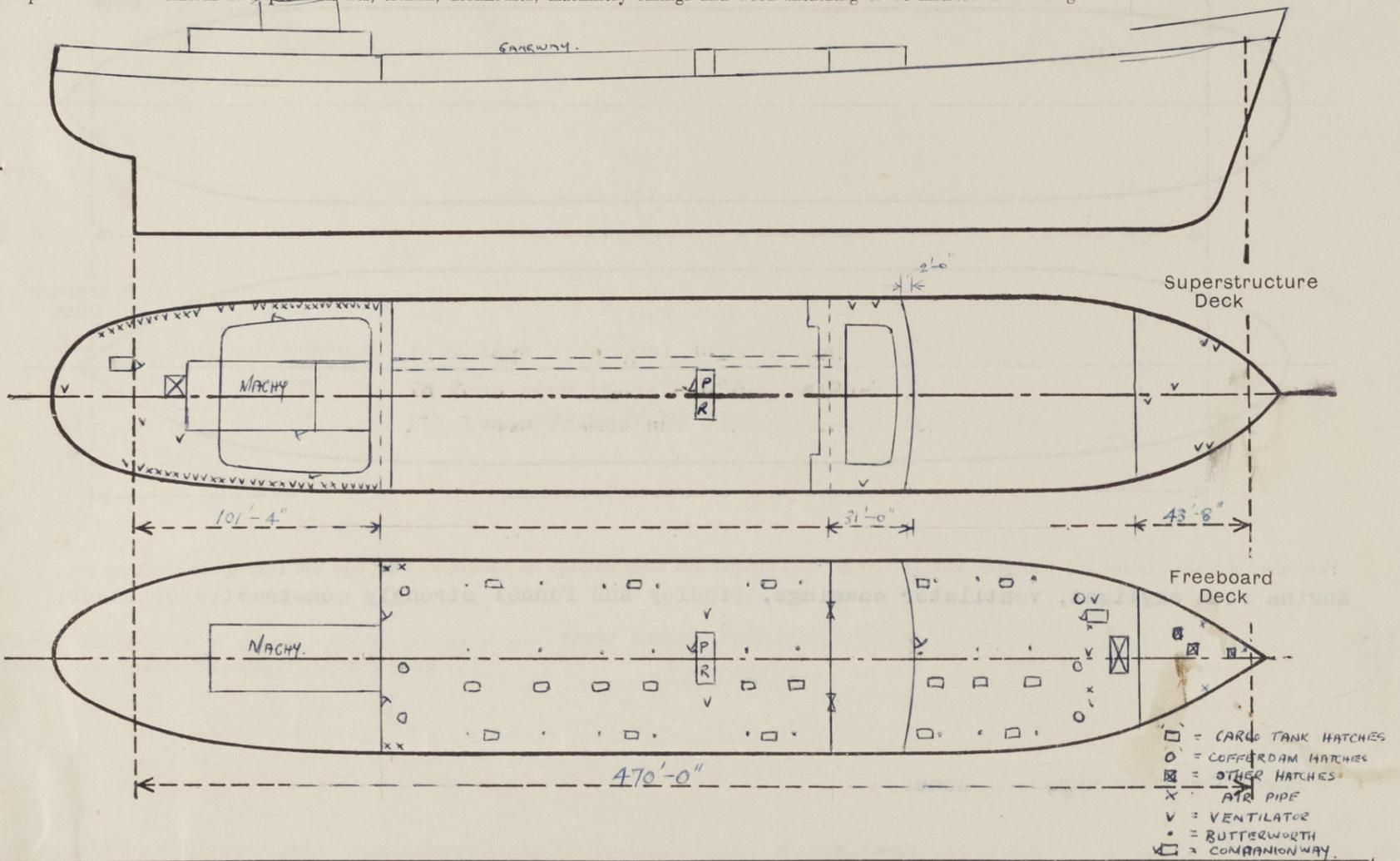


**SURVEYS FOR FREEBOARD**  
(CONDITIONS OF ASSIGNMENT)

Ship's Name..... "MARK SLAVIN" ..... Port of Survey..... Copenhagen  
 Official Number..... Surveyor's Signature..... *Thompson*  
 Nationality and Port of Registry..... PANAMANIAN. PANAMA..... Date of Survey..... May, 1962.

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.

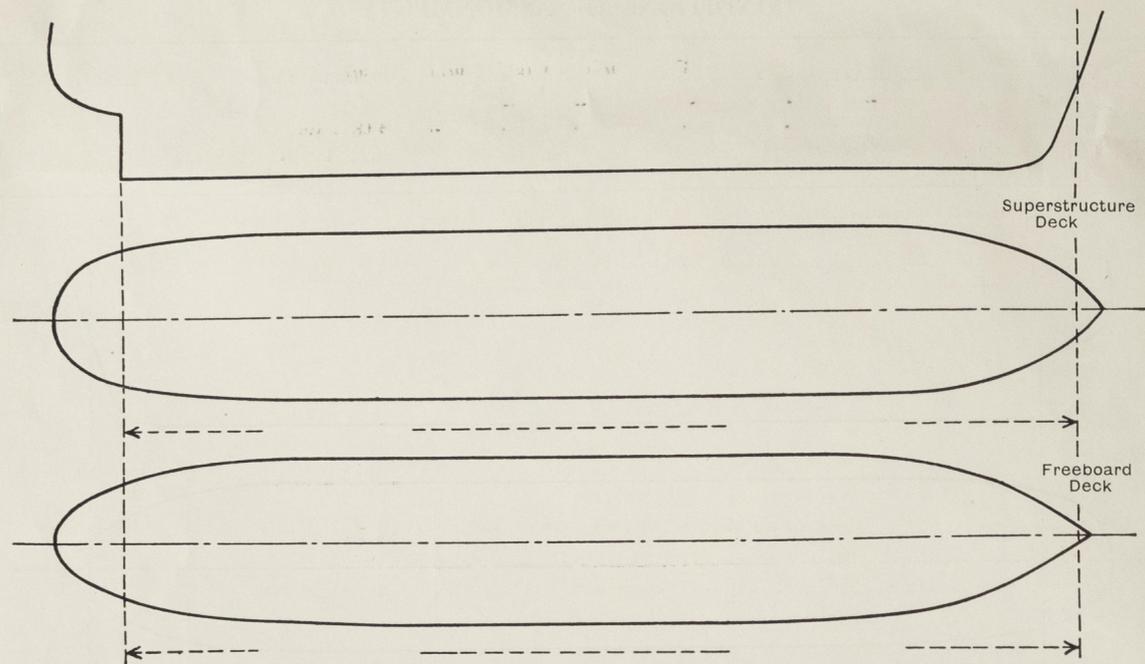
	Coaming	Plating	Stiffeners	Spacing	End Attachments of Stiffeners	Size of Openings	Height of Sills	Height, Beam to Beam
Poop Bulkhead ... ..	-	.45" ✓	10" x 3 1/2" x .50" BA	2'-6"	Brackets 2 at Top & Bottom	5'-0" x 2'-4 1/2"	18" ✓	7'-6"
Raised Quarter Deck Bulkhead ... ..	-	.45 ✓	5" x 3" x .40" OA ✓	2'-8"	Rivtd. top Sniped Bottom	2 at 4'-2" x 3'-2"	19" ✓	7'-6"
Bridge, After Bulkhead ... ..	-	.45 ✓	10 1/2" x 3 1/2" x .50" BA	2'-8"	Brackets 1 at top & Bottom	5'-0" x 2'-5"	19" ✓	7'-6"
Forecastle Bulkhead... ..	-							
Trunk, Aft ... ..	-							
Trunk, Forward ... ..	-							
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ... ..	-							
Exposed Machinery Casings on Superstructure Decks ... ..	-	.25	2 1/2" x 2 1/2" x .25"	2'-10"	Rivets 2 at Top & Bottom	5'-0" x 2'-6"	18" ✓	7'-6"
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ... ..	-							
Deckhouse and Pump Room Entrances	-	.30"	3" x 2 1/2" x .34" OA	2'-4"	Brackets 2 at Top & Bottom	4'-11 1/2" x 2'-0"	18" ✓	7'-6"

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

Poop Bulkhead ... ..	Hinged Steel W.T. Doors (O.B.S.) ✓
Raised Quarter Deck Bulkhead ... ..	
Bridge, After Bulkhead ... ..	Hook Bolted Steel Plates ✓
Bridge, Forward Bulkhead ... ..	Hinged Steel W.T. Door (O.B.S.) ✓
Forecastle Bulkhead... ..	
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ... ..	
Exposed Machinery Casings on Superstructure Decks ... ..	Hinged Steel Doors (O.B.S.) ✓
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ... ..	
Deckhouse and Pump Room Entrances	Hinged Steel W.T. Door (O.B.S.) ✓

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 :-  
 Engine room skylight, ventilator coamings, fiddle and funnel strongly constructed of steel.

Particulars of Flush Bunker Scuttles :- None.

Particulars of Companionways :- Access to machinery space from deckhouse on Poop Deck (see page 1)  
 (including those incorporated in deckhouses and masthouses) Access to main pump room (see page 1)

Access to Forward pump room in strong steel companionway with hinged steel W.T. door, O.B.S. opening 5'-0" x 2'-6", sill height 18"

Access to steering gear in strong steel companionway on Poop Deck with hinged steel W.T. door, O.B.S. opening 3'-6" x 2'-1", sill height 15"

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

**On F'cle Deck :-**  
 1-24"D. Cowl, coaming 3'-9" high, .40" thick.  
 1- 6"D. Cowl, coaming 1'-9" high, .30" thick.  
 4-3 1/2"D. G.N. coaming 2'-0" high, ✓

**On Upper Deck :-**  
 2-18"D. Cowl, coaming 3'-6" high, .40" thick.  
 1-18"D. cowl, coaming 5'-6" high, .40" thick.  
 2-24"D. Derrick Post Vents.

**On Bridge Deck :-**  
 3- 6"D. Cowl, coaming 2'-6" high, .30" thick.  
 1- 9"D. Cowl, coaming 2'-6" high, .34" thick. ✓

**On Poop Deck :-**  
 31-6"D. Cowl, coaming 2'-3" high, .30" thick. ✓  
 5-12"D. Cowl, coaming 2'-3" high, .34" thick. ✓  
 1- 3"D. G.N. Vent. 2'-0" ✓

All Vents provided with wood plugs and canvas covers.

All coamings over 36" ht. suitably supported.

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

**On Upper Deck :-**  
 1-3"D. 36" high. ✓  
 8-3 1/2"D. 36" high. ✓

**On Poop Deck :-**  
 2-3 1/2"D. 18" high. ✓  
 14-3"D. 18" high. ✓  
 1-2" D. 18" high. ✓  
 4-1 1/2"D. 18" high. ✓

Air pipes to O.F. tanks have flash proof gauzes and canvas covers. ✓

All other air pipes have wood plugs and canvas covers. ✓

Particulars of Gangway Cargo and Coaling Ports :- None.

*Mark Starin*

Particulars of Scuppers and Sanitary Discharge Pipes :- F'cle stores and chain locker <sup>TRANSOM SPACE</sup> drained by hand pumps <sup>S.R.</sup> discharging overboard, with 2 N.R. valves, ~~Transom space similar.~~  
 Upper deck drained overboard through 6-2 1/2"D open pipes.  
 Bridge space drained through 2-1 1/2"D holes in after bulkhead with screwed bars plugs and chains.  
 Bridge accommodation, W.Cs and wash places drained overboard through shell with S.Vs 2-3" & 2-3 1/2"  
 After accommodation, W.Cs and wash places drained overboard through shell with S.Vs 2-4" & 4-3 1/2"  
 2-3" & 4-2"

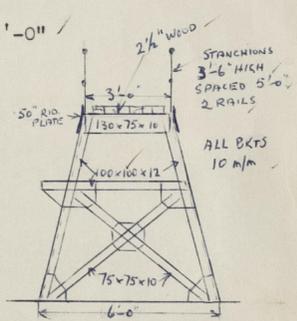
Provision Room and cold stores drained to after well with sealed traps.

Particulars of Side Scuttles and Deadlights :- In Bridge side (ps) 3-10"D, (ss) 2-10"D.  
 In Poop side (ps) 27-10"D, (ss) 25-10"D.  
 All brass frames and Iron hinged deadlights.

Vertical distance of Sill of lowest Side Scuttle above top of keel None below freeboard deck  
 Distance from amidships to centre of lowest Side Scuttle

Particulars of Guard Rails and Bulwarks :- Guard rails round F'cle, Upper Deck and Poop  
 3'-6" high, 3 rails, stanchions spaced approx. 5'-0"

Particulars of Gangways, Lifelines, etc. :- Gangway from Poop to Bridge  
 Lifelines provided from Bridge to F'cle



CROSS BRACING  
 75x75x10 with O.A.  
 SPACED ALT. SUPPORTS  
 = EVERY 10'-0"

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 RAILS				
Forward Well ...	-					

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.									
On Upper Deck									
Description of Hatchway	Dry Cargo	O.T. Cargo Hatches	O. I. to Cofferdams	To F'cle Store	To Chain Locker	Access to Hold	To Prov. Room		
Dimensions of Hatchway	9'0"x15'	5'-8"x3'-8"	22"D	3'-0"x2'-2"	3'-0"x3'-0"	2'-4"x2'-0"	5'-9"x4'-6"		
COAMINGS	Height above Deck	3'-3"	2'-10"	2'-0"	19"	19"	16"	18"	
	Thickness { Sides	.40"	.40"	.38"	.40"	.40"	.40"	.38"	
	Thickness { Ends								
	Stiffeners { Sides	8'x4"x50"BA	-	-	-	-	-	-	
Brackets, Stays { Ends	FL Plate	-	-	-	-	-	-		
HATCH BEAMS	Number								
	Spacing								
	Scantling and Sketch								
FORE AND AFTERS	Number								
	Spacing								
	Unsupported Lengths and Sketch								
HATCH COVERS	Material	Steel	Steel	Steel	Wood / 2 1/2"	Wood / 2 1/2"	Steel / .38"	Steel / .34"	
	Thickness	.50"	.50"	.38"					
	How fitted	WT Toggles Spaced 15"	Hinged WT Toggles SP 15"	Hinged WT Toggles 4			6 W.T. Toggles 2 Hinges	7 W.T. Toggles 2 Hinges	
	Bearing Surface				3"	3"			
Spacing of Cleats				24"max	24"max				
Number of Tarpaulins				2	2				
*Are wood fore and afters steel shod at all bearing surfaces?		none							
Are battens and wedges efficient and in good condition?		yes							
Are tarpaulins in good condition and in accordance with rule requirements?		yes							
Are lashings provided in accordance with rule requirements?		yes							
Are wood covers fitted with galvanised end bands?		yes							

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



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