

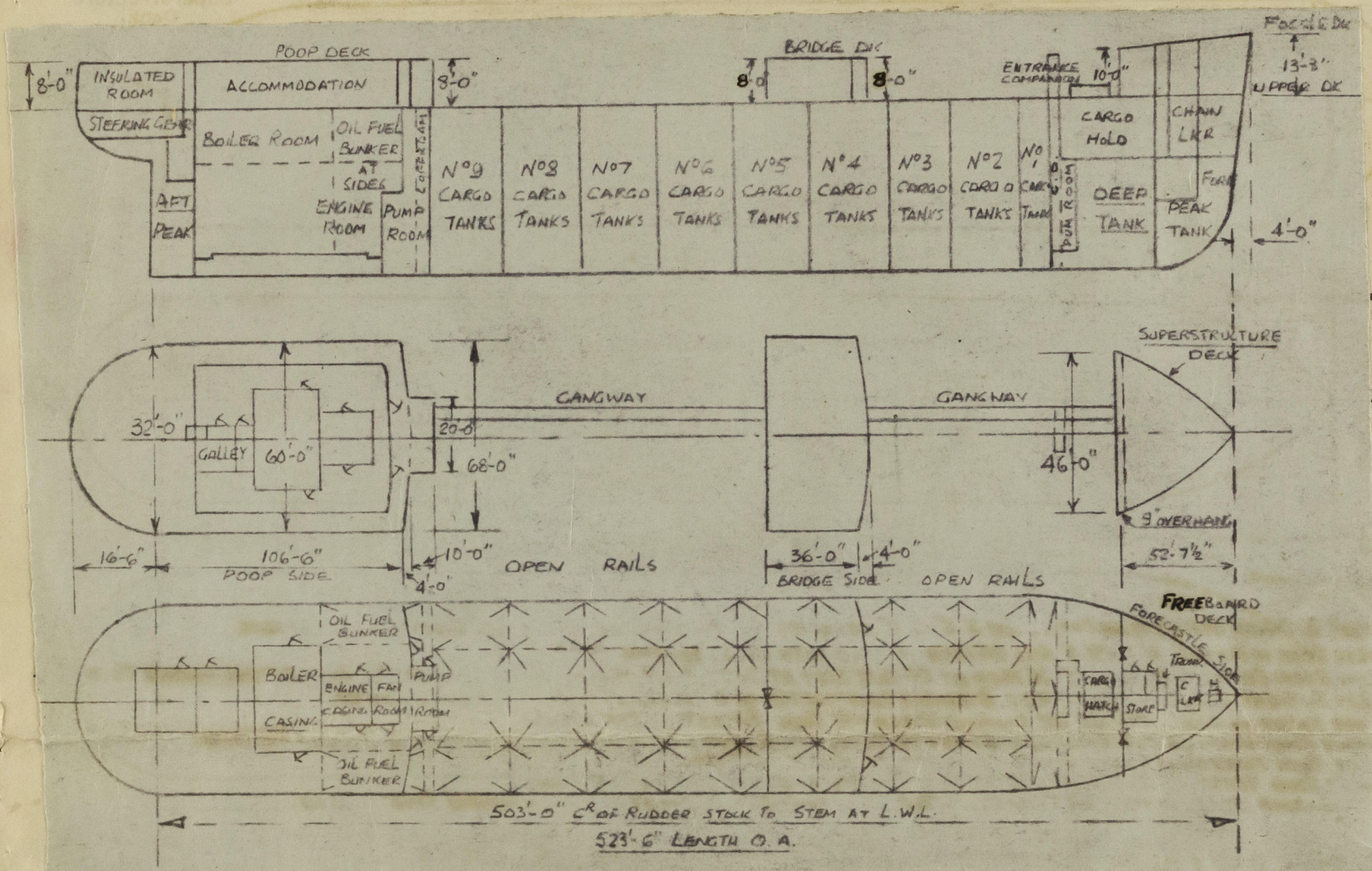
Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

(CONDITIONS OF ASSIGNMENT.)

Ship's Name **"TRIGONOSEMUS"**Port of Survey **FALMOUTH.**Official Number **181748.**Surveyor's Signature **Alex. M. Jenkins.**Nationality and Port of Registry **BRITISH. LONDON.**Date of Survey **14th OCTOBER 1947.**

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.

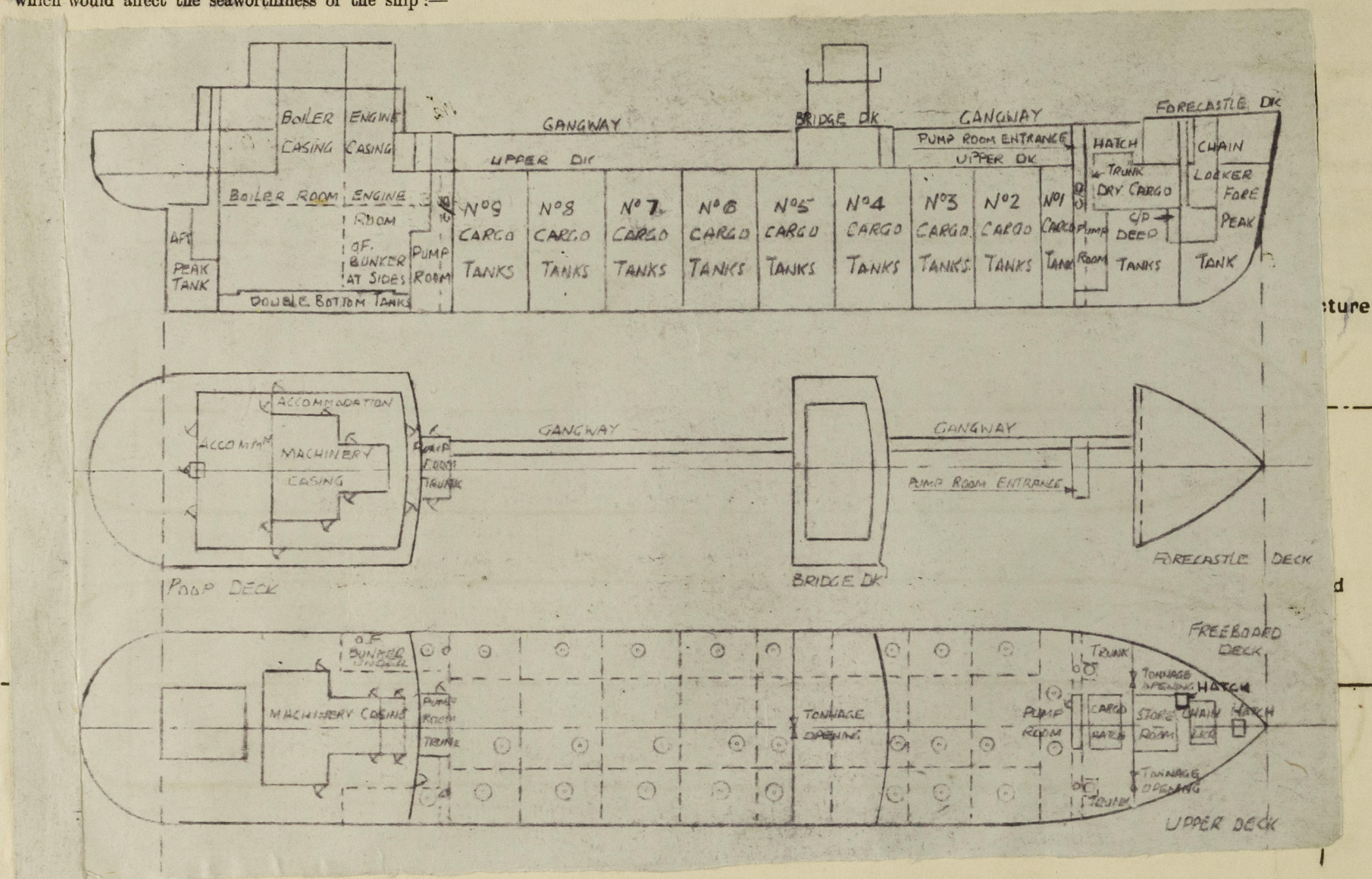
	Coaming	Plating	Stiffeners	Spacing	End Attachments of Stiffeners	Size of Openings	Height of Sills	Height of Casings
Poop Bulkhead ...	NONE.	7/16"	9" x 4" x 7/16" FLANGED PLATE	30"	WELDED TOP & BOTT.	60" x 28"	20"	8'-0"
Raised Quarter Deck Bulkhead	NONE.							
Bridge, After Bulkhead ...	NONE.	7/16"	4" x 3" x 5/16" O.A.	30"	WELDED TOP & BOTT.	62" x 50"	18"	8'-0"
Bridge, Forward Bulkhead ...	NONE.	7/16"	9" x 4" x 7/16" FLANGED PLATE	30"	WELDED TOP & BOTT.	60" x 28"	18"	8'-0"
Forecastle Bulkhead ...	NONE.	5/16"	4" x 3" x 1/2" O.A.	30"	12" x 12" x 3/8" B & T'S AT TOP WELDED AT BOTTOM	48" x 36"	24"	10'-0"
Trunk, Aft ...	NONE.							
Trunk, Forward	PUMP ROOM. AFT FORMING POOP FRONT.	7/16"	9" x 4" x 7/16" FLANGED PLATE	30"	WELDED TOP & BOTT.	60" x 28"	19"	8'-0"
Exposed Machinery Casings on Freeboard or Raised Quarter Deck ...	PUMP ROOM FORWARD.	3/8"	5" x 3 1/2" x 5/16" O.A.	28"	WELDED TOP & BOTT.	60" x 28"	18"	8'-0"
Exposed Machinery Casings on Superstructure Decks ...								
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ...	NONE.							
Deckhouses on Flush Deck Ships	NONE.							

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

Poop Bulkhead ...	HINGED STEEL W.T. DOORS (IP & IS) CAPABLE OF BEING OPERATED FROM BOTH SIDES.	✓
Raised Quarter Deck Bulkhead	NONE.	
Bridge, After Bulkhead ...	PORTABLE STEEL PLATE 10FF AT CR LINE SECURED BY HOOK BOLTS.	✓
Bridge, Forward Bulkhead ...	HINGED STEEL W.T. DOORS (IP & IS) CAPABLE OF BEING OPERATED FROM BOTH SIDES.	✓
Forecastle Bulkhead ...	PORTABLE STEEL PLATES (IP & IS) SECURED BY HOOK BOLTS.	✓
Exposed Machinery Casings on Freeboard or Raised Quarter Deck ...	PUMP ROOMS HINGED STEEL W.T. DOORS CAPABLE OF BEING OPERATED FROM BOTH SIDES.	✓
Exposed Machinery Casings on Superstructure Decks ...	POOP DECK HOUSE HINGED STEEL W.T. DOORS CAPABLE OF BEING OPERATED FROM BOTH SIDES.	✓
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ...	NONE.	
Deckhouses on Flush Deck Ships ...	NONE.	

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 fiddle, funnel and ventilator coamings, engine room skylight and other openings in machinery casing tops and their means of closing:—

Four FIDDLE OPENINGS (2P & 2S) ON CASING TOP 4'-5" x 2'-0" COAMINGS 8" HIGH x 3/8" THICK FITTED WITH STEEL HINGING COVERS.
 ONE FIDDLE DOOR IN FUNNEL 4'-1" x 2'-1" SILL 20" HIGH FITTED WITH STEEL HINGING DOOR.
 ONE ENGINE ROOM SKYLIGHT 14'-0" x 14'-0" 30" HIGH AT CR TO 12" HIGH AT SIDES, STEEL PLATES 1/8" THICK SUITABLY STIFFENED, 6 STEEL HINGING COVERS.
 ONE GALLEY SKYLIGHT 4'-0" x 2'-4" 12" TO 22" HIGH STRONGLY CONSTRUCTED OF STEEL PLATES HAVING TWO HINGING COVERS.
 ONE ESCAPE HATCH ON CASING TOP 22" x 22" COAMING 6" HIGH x 1/2" THICK FITTED WITH STEEL HINGING COVER.
 FOUR ENGINE ROOM VENTS 36" DIA. COAMING 5'-0" HIGH x 1/8" THICK. ONE ENGINE ROOM VENT 36" DIA. COAMING 8'-3" HIGH x 1/8" THICK.
 TWO ENGINE ROOM MUSHROOM VENTS 31" x 16" COAMINGS 29" HIGH x 1/8" THICK.
 FOUR BOILER ROOM VENTS 30" DIA. COAMINGS 1/8" THICK TWO ARE 10'-9" HIGH AND TWO 5'-10" HIGH.
 FOUR W.T. HINGING STEEL COVERS ON PUMP ROOM TOP TWO AT 34" x 24" AND TWO AT 39" x 34" STRONGLY CONSTRUCTED.

Particulars of Flush Bunker Scuttles:— NONE.

Particulars of Companionways:— FORWARD PUMP ROOM ENTRANCE 4'-0" x 15'-0" x 8'-0" HIGH PLATING 3/8" THICK STIFFENERS 5'-3 3/4" x 5/16" O.A. 28" APART. ONE DOOR OPENING 60" x 28" SILL 18" HIGH. W.T. STEEL DOOR CAPABLE OF BEING OPERATED FROM BOTH SIDES.
 AFTER PUMP ROOM ENTRANCE 10'-0" x 20'-0" x 7'-0" HIGH PLATING 1/8" THICK STIFFENERS 9'-4" x 1/8" FLANGED PLATES 30" APART, WELDED AT ENDS. TWO DOOR OPENINGS 60" x 28" SILL 18" HIGH. W.T. STEEL DOORS CAPABLE OF BEING OPERATED FROM BOTH SIDES.
 POOP DECK HOUSE. PLATING 3/8" THICK STIFFENERS 3'-4" x 3/4" x 1/8" ANGLE SPACED 21" APART WELDED TO BEAMS AT TOP AND TO DECK AT BOTTOM. SIX W.T. DOORS OPENINGS 60" x 26" SILL 15" HIGH. STEEL DOORS CAPABLE OF BEING OPERATED FROM BOTH SIDES. TRUNK AT AFTER END OF POOP DECK HOUSE 3/8" THICK PLATING SUITABLY STIFFENED. ONE DOOR OPENING 60" x 26" SILL 15" HIGH. W.T. STEEL DOOR CAPABLE OF BEING OPERATED FROM BOTH SIDES.

Particulars of Ventilators in exposed positions on freeboard and superstructure decks:— ON UPPER DECK:— TWO 18" DIA. CONVL VENTS. TO CARGO HOLD (1P & 1S) AT FORECASTLE END COAMINGS 10'-0" HIGH x 1/8" THICK ADEQUATELY SUPPORTED FROM FORECASTLE END. TWO CONVL HEADS ON TOP OF DERRICK POSTS TO AFTER PUMP ROOM 24" IN DIA.
 ON FORECASTLE DECK:— ONE 12" DIA. CONVL VENT. TO DECK STORE ROOM IN FORECASTLE COAMING 36" HIGH x 1/8" THICK WELDED TO FORECASTLE END BULKHEAD. ONE 12" DIA. CONVL VENT ON FORECASTLE HEAD. COAMING 5'-0" HIGH x 3/8" THICK ADEQUATELY SUPPORTED. ONE 12" DIA. MUSHROOM VENTILATOR ON FORECASTLE HEAD COAMING 24" HIGH x 3/8" THICK FITTED WITH SCREW DOWN MUSHROOM TOP.
 ON TOP OF FORWARD PUMP ROOM ENTRANCE:— TWO 14" DIA. CONVL VENTS TO PUMP ROOM COAMINGS 36" HIGH x 3/8" THICK.
 ON BRIDGE DECK:— FOUR 12" DIA. CONVL VENTS TO BRIDGE SPACE (ONE AT EACH OUTBOARD CORNER) COAMINGS 36" HIGH x 3/8" THICK.
 ON TOP OF AFTER PUMP ROOM ENTRANCE:— ONE 24" DIA. MUSHROOM VENTILATOR COAMING 10'-6" HIGH x 1/8" THICK ADEQUATELY SUPPORTED FROM BOAT DECK.
 ON POOP DECK:— TWO 18" DIA. CONVL VENTS (1P & 1S) AT AFTER END OF POOP DECK HOUSE COAMINGS 10'-6" HIGH x 1/8" THICK ADEQUATELY SUPPORTED FROM BOAT DECK.
 ONE 12" DIA. MUSHROOM VENTILATOR AT AFTER END OF POOP DECK HOUSE COAMING 21" HIGH x 3/8" THICK FITTED WITH SCREW DOWN MUSHROOM TOP.
 NOTE:— ALL CONVL VENTILATORS ARE FITTED WITH HINGING W.T. COVERS AT TOP OF COAMINGS PERMANENTLY ATTACHED.
 ACCOMMODATION SPACES VENTILATED BY MECHANICAL VENTILATION SUPPLY AND EXHAUST TRUNKS LED THROUGH HOUSE SIDES CLOSE UNDER BOAT DECK.
 ONE 10" DIA. GOOSENECK VENTILATOR TO CRUISER STERN SPACE FITTED ON POOP DECK AT STERN GOOSENECK 24" HIGH x 1/8" THICK SUPPLIED WITH CLOSING PLUG.

Particulars of Air Pipes in exposed positions on freeboard, raised quarter, or superstructure decks:— ON POOP DECK:— ONE 4" DIA. AIR AND FILLING PIPE TO AFTER PEAK TANK. GOOSENECK 21" HIGH x 1/8" THICK SUPPLIED WITH CLOSING PLUG.
 ON UPPER DECK:— TWO 6" DIA. AIR PIPES (1P & 1S) AT POOP FRONT FROM OIL FUEL BUNKERS GOOSENECKS 7'-0" HIGH ADEQUATELY SUPPORTED TO POOP FRONT BULKHEAD. FOUR 3" DIA. AIR PIPES TWO FROM AFTER COFFERDAM AND TWO FROM FORWARD COFFERDAM EACH GOOSENECK 36" HIGH.
 TWO 6" DIA. AIR PIPES (1P & 1S) AT FORECASTLE END FROM FORWARD DEEP TANKS GOOSENECKS 7'-0" HIGH ADEQUATELY SUPPORTED TO FORECASTLE END AIR PIPE GOOSENECKS FROM OIL FUEL BUNKERS, COFFERDAMS AND FORWARD DEEP TANKS FITTED WITH GAUZE COVERS.
 ON FORECASTLE DECK:— ONE 4" DIA. AIR & FILLING PIPE TO FORWARD PEAK TANK. GOOSENECK 24" HIGH x 1/8" THICK SUPPLIED WITH CLOSING PLUG.

Particulars of Gangway Cargo and Coaling Ports:— NONE.

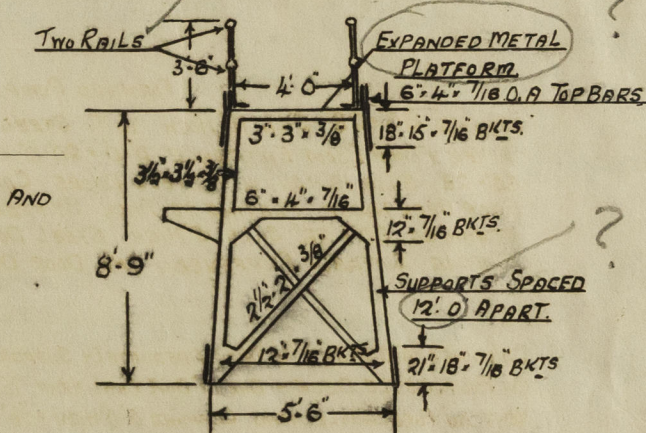
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Particulars of Scuppers and Sanitary Discharge Pipes:— 3 PORT AND 3 STARBOARD UPPER DECK SCUPPERS 1 1/2" DIA. CUT THROUGH SHEERSTRAKE.
 ONE 5" DIA. SOIL PIPE PORT SIDE AMIDSHIPS. TWO 4" DIA. SOIL PIPES (1P & 1S) AMIDSHIPS. ONE 2 1/2" DIA. LAYATORY DISCHARGE STARBOARD SIDE AMIDSHIPS. TWO 2 1/2" DIA. LAYATORY DISCHARGES PORT SIDE AMIDSHIPS. TWO 5" DIA. SOIL PIPES (1P & 1S) AFT. THREE 4" DIA. SOIL PIPES (1S & 2P) AFT. SEVEN 2 1/2" DIA. LAYATORY, SINK, & SCUPPER DISCHARGES (4P & 3S) AFT.
 DISCHARGES AMIDSHIPS LED OYERBOARD ABOVE THE FREEBOARD DECK AND DISCHARGES AFT LED OYERBOARD BELOW THE FREEBOARD DECK. ALL SOIL PIPES AND SANITARY DISCHARGES ARE FITTED WITH SUBSTANTIALLY CONSTRUCTED METAL STORM VALVES.

Particulars of Side Scuttles:— 30 OFF 16" DIA. SIDE SCUTTLES (15 P & 15 S) IN POOP TWEEEN DECKS. SIDE SCUTTLES OF STRONG CONSTRUCTION AND FITTED WITH HINGED DEADLIGHTS PERMANENTLY ATTACHED.

Vertical distance of Sill of lowest Side Scuttle above top of keel:—

Particulars of Guard Rails:— FITTED AT SIDES OF UPPER DECK AND ROUND POOP AND FORECASTLE DECKS. STANCHIONS 3'-6" HIGH. SPACED 5'-6" APART AND FITTED WITH FOUR RAILS ABOUT 10" APART.
 STEEL BULWARK ROUND BRIDGE DECK 3'-6" HIGH PLATING 5/16" THICK RAIL BAR 6'-3 1/2" x 5/16" B.A. FLANGED BRACKET STAYS SPACED 6'-0" APART WITH INTERMEDIATE 3'-3 1/8" FLAT BAR STIFFENERS.



Particulars of Gangways, Lifelines, etc.:— FORE AND AFT GANGWAY FITTED BETWEEN THE POOP AND BRIDGE AND BETWEEN THE BRIDGE AND FORECASTLE DECKS.

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 ...	NONE.					
Forward Well ...	NONE.					
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 FREEBOARD DECK.									
Description of Hatchway	IN FORECASTLE TO F.P. STORE ONE.	IN FORECASTLE TO CHAIN LOCKER ONE.	TO DRY CARGO HOLD ONE.	TO CARGO OIL TANKS. 26 OFF.	TO OIL FUEL BUNKERS TWO.	TO DEEP TANKS FORTH TWO.	TO FORWARD AND AFTER COFFERDAMS FOUR.		
Dimensions of Hatchway	2' 0" x 3' 0"	2' 9" x 3' 0"	11' 3" x 14' 9"	48" DIA.	31" DIA.	24" DIA.	24" DIA.		
COAMINGS	Height above Deck	2' 6"	2' 0"	2' 7"	33"	33"	24"	24"	
	Thickness	1/2"	1/2"	1/2"	1/2"	9/16"	1/2"	1/2"	
	Sides	1/2"	1/2"	1/2"	1/2"	9/16"	1/2"	1/2"	
	Ends	1/2"	1/2"	1/2"	1/2"	9/16"	1/2"	1/2"	
Stiffeners	3" x 3/8" FLAT.	3/8" PLATE SHELF	3" x 3/8" FLAT.	NONE	NONE	NONE	NONE	NONE	
Brackets, Stays	NONE	NONE	3/8" PLATE BRACKETS	NONE	NONE	NONE	NONE	NONE	
HATCH BEAMS	Number								
	Spacing								
	Scantling and Sketch								
	Bearing Surface	NONE	NONE	NONE	NONE	NONE	NONE	NONE	
FORE AND AFTERS	Number								
	Spacing								
	Unsupported Lengths								
	Scantling* and Sketch								
Bearing Surface	NONE	NONE	NONE	NONE	NONE	NONE	NONE		
HATCH COVERS	Material	STEEL	STEEL	STEEL	STEEL	STEEL	STEEL	STEEL	
	Thickness	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	
	How fitted	W.T. HINGING	W.T. HINGING	W.T. HINGING	O.T. HINGING	O.T. HINGING	O.T. HINGING	O.T. HINGING	
	Bearing Surface	✓	✓	STIFFENED.	DISHED.	DISHED.	DISHED.	DISHED.	
Spacing of Cleats	NONE	NONE	NONE	NONE	NONE	NONE	NONE		
Number of Tarpaulins	NONE	NONE	NONE	NONE	NONE	NONE	NONE		
<p>*Are wood fore and afters steel shod at all bearing surfaces ?</p> <p>Are battens and wedges efficient and in good condition ?</p> <p>Are tarpaulins in good condition and in accordance with rule requirements ?</p> <p>Are lashings provided in accordance with rule requirements ?</p> <p style="text-align: center;">} NONE.</p>									

Particulars of any special features:— ALL CARGO OIL TANK HATCH COVERS ARE DISHED AND FITTED WITH ULLAGE DOORS 10" IN DIA. OF STRONG CONSTRUCTION SECURED BY STRONGBACKS.

DRY CARGO HOLD HATCH COVER IS STIFFENED WITH 6" x 4" x 1/2" ANGLE STIFFENERS SPACED 2' 8" APART. ONE 23" x 15" MANHOLE IS FITTED ON COVER. MANHOLE DOOR HINGED WATERTIGHT AND SECURED WITH SCREW Toggles.

Endorsement at first survey and at surveys for renewal of Certificate:—

The fittings and appliances are in accordance with the particulars shown on this form (or as now modified) and are in good condition.

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