

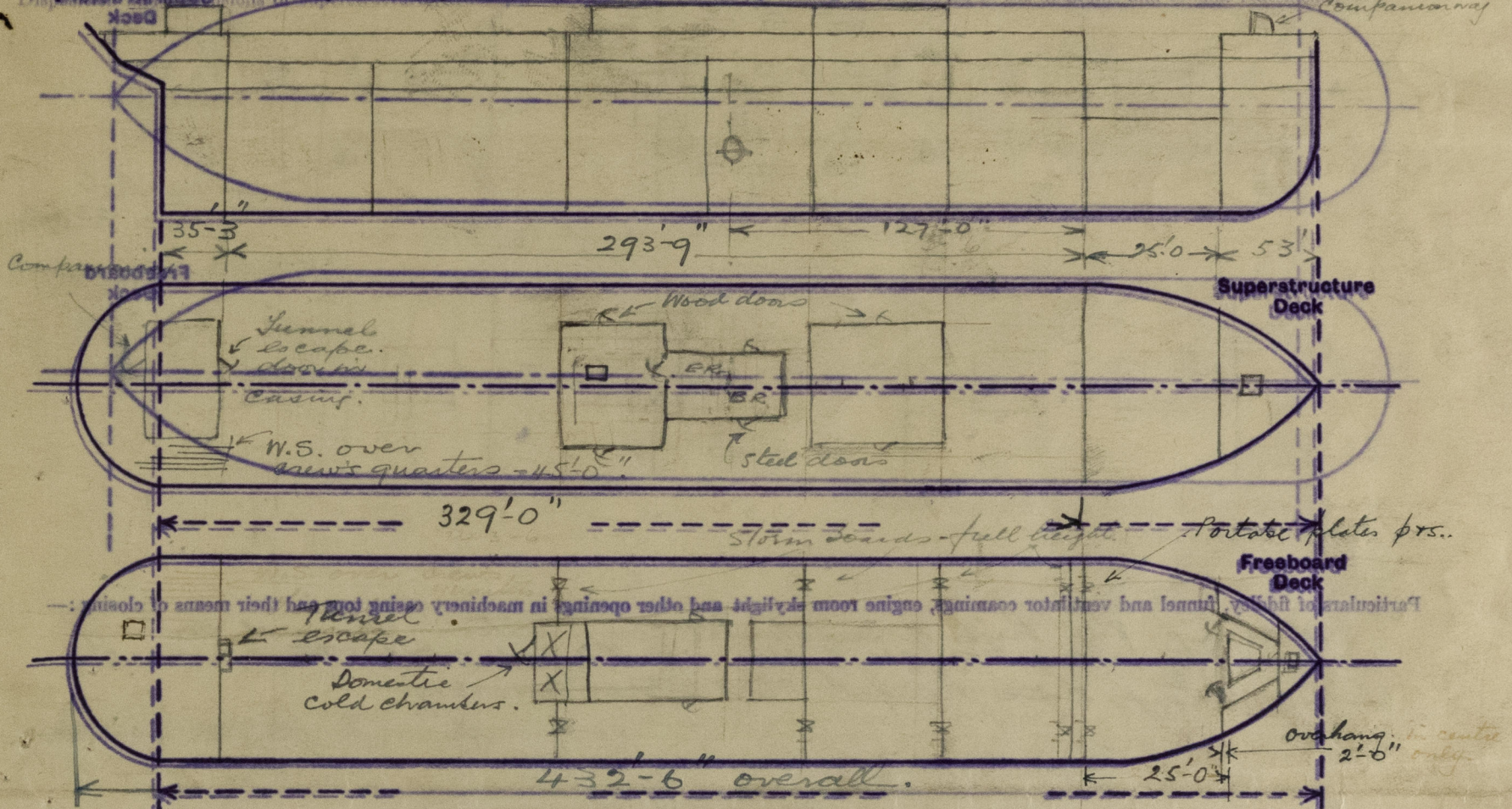
# Lloyds Register of Shipping.

 Index No. 38364  
 (For London Office only)

## SURVEYS FOR FREEBOARD. (CONDITIONS OF ASSIGNMENT.)

Ship's Name Empire Indus. Port of Survey Bombay.  
 Official Number 168359 Surveyor's Signature H. Southwell  
 Nationality and Port of Registry British. Date of Survey 1944 to Aug. 1945.

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.

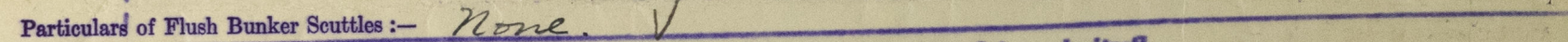
	Coaming	Plating	Stiffeners	Spacing	End Attachments of Stiffeners	Size of Openings	Height of Sills	Height of Casings
Poop Bulkhead .. .. .	.32	.25	3 3/4" x 2 1/2"	35"	None	None	8'-0"	8'-0"
Raised Quarter Deck Bulkhead ..	✓		x .25"					
Bridge, After Bulkhead .. ..	✓							
Bridge, Forward Bulkhead .. ..	.32	.25	3 1/2" x 3"	30"	None	63" x 28"	18"	8'-0"
Forecastle Bulkhead .. ..	.4	.38"	10" x 3 1/2" ba	27"	18 x 18 x .38	49" x 41"	18"	8'-0"
Trunk, Aft .. .. .	✓							
Trunk, Forward .. .. .	✓							
Exposed Machinery Casings on Freeboard or Raised Quarter Decks .. .. .	✓							
Exposed Machinery Casings on Superstructure Decks .. ..	.32	.28	3 1/2" x 2 1/2" x .26	32	None	66" x 37"	12"	8'-0"
Machinery Casings within Superstructures not fitted with Class I Closing Appliances .. ..	.25"	.25"	5" x 2 1/2" x .34 - 36" 4" x 2 1/2" x .34 - 39"	36" 39"	None	22" x 38"	18"	8'-0"
Deckhouses on Flush Deck Ships ..	✓							

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

Poop Bulkhead .. .. .	No openings.
Raised Quarter Deck Bulkhead ..	✓
Bridge, After Bulkhead .. ..	✓
Bridge, Forward Bulkhead .. ..	Storm boards in full height - riveted channels - and
Forecastle Bulkhead .. ..	Hinged steel doors with single locks.    portable steel
Exposed Machinery Casings on Freeboard or Raised Quarter Decks .. .. .	✓
Exposed Machinery Casings on Superstructure Decks .. ..	Steel door inside accommodation + steel doors
Machinery Casings within Superstructures not fitted with Class I Closing Appliances .. ..	Hinged steel doors with cleps    with locks at forward entrance port + starboard.
Deckhouses on Flush Deck Ships ..	✓



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 Ventilators in exposed positions on freeboard and superstructure decks:—

24" ventilator to holds - 30" x 34 coamings - all on superstructure deck. 36" ventilator to machinery spaces casing top of substantial construction and adequately supported. 18", 10" x 12" ventilators to store rooms and to crew quarters aft. All coamings 30" high, thick & properly secured to steel deck. Wood canvas covers fitted in all cases except machinery space ventilators.

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

6" x 4" oval cast iron goose necks fitted  
on bridge deck to all tanks - 14" high to mouth  
forepeak tank air pipe - 30" high to mouth & secured to  
bulwarks. Canvas covers provided for all air pipes.

**Particulars of Scuppers and Sanitary Discharge Pipes :—**

Particulars of Side Scuttles :—

Vertical distance of Sill of lowest Side Scuttle above top of keel. Below perboard deck - 20".  
 Engine Room Stores. Deadlights fitted with special nuts & spanner  
 in charge of the Master.

#### Particulars of Guard Rails :—

Particulars of Guard Rails :— Substantial guard rails 3'-11" high fitted round ends & poop deck in way hatches. Bulwarks fitted in way of accommodation & in fore well.

Particulars of Gangways, Lifelines, etc. :—

Particulars of Gangways, Lifelines, etc. :-

Life lines satisfactorily fitted.  
Portable wood sawing of essential  
Construction of the platform deck.

State position of each freeing port .. .. { After Well :— ✓  
(F. and A. position and height above deck edge) { Forward Well :— Equidistant — 9"

State whether the freeing ports are fitted with shutters, bars, or rails, and give particulars of such :— *Bars only.*

Additional area where sheer is less than standard.

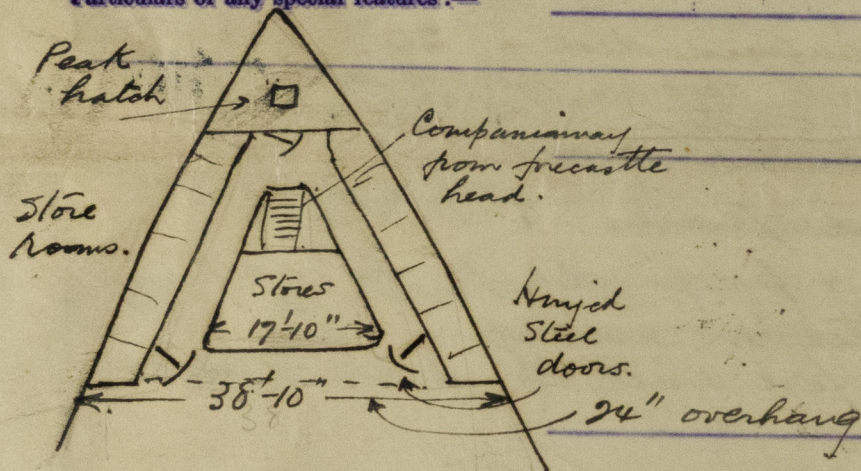


# PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS.							
main BRIDGE DECK							
Description of Hatchway	Nº1.	2	3	4	5	Bunker hatches.	
Dimensions of Hatchway	18'-5" x 18'-0"	26'-0" x 18'-0"	23'-7" x 18'-0"	23'-7" x 18'-0"	23'-7" x 18'-0"	3 each side of bridge deck: - 6'-10" x 2'-3"	
COAMINGS	Height above Deck	4'-11"	30"	30"	30"	30"	6'-10" x 2'-3"
	Thickness	.48"					6'-3" x 2'-3"
	Sides	B.A.					1 trunk hatch each side
	Ends	9 1/2" x 3 1/2"					4'-9" x 4'-3"
HATCH BEAMS	Stiffeners	10" bulbs					
	Brackets, Stays						
	Number Spacing	3'-8"	4'-3"	5'-10 3/4"	5'-10 3/4"	5'-10 3/4"	Coamings: - 36" x .38"
	Scantling and Sketch	4" x 3" b.a.					3" ledge bars - 25
FORE AND AFTERS	Bearing Surface	3"	3"	3"	3"	3"	wood covers - 3
	Number Spacing						tarpaulins - cleats
	Unsupported Lengths						Spaced 22"
	Scantling and Sketch						3 each side on main deck - 9'-0" x 4'-3"
HATCH COVERS	Bearing Surface						with 9" b.a. coamings
	Material	Pine					wood covers, 3" ledge
	Thickness	2 1/2"					bars, 2 tarpaulins
	How fitted	F.A.					+ cleats as above.
Spacing of Cleats	Bearing Surface	3"					fore peak hatch in main deck.
	Number of Tarpaulins	20/22"					48" x 39" 18" coaming
		3					wood covers, 3" ledge
							bars etc as for others
*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? ✓							

Forecastle.

Particulars of any special features:—



Vertical distance of sill of lowest side Scuttle above top of keel  
The vessel's existing freeboard has been marked on the Sides.

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.

Particulars of Freeing Arrangements.						
Length of Bulwark	Height of Bulwark	Size of Freeing Ports	Number each side	Area each side	Into area each side	
						After Well
						Forward Well
State position of each freeing port (F. and A. position and height above deck edge)						
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.						



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