

Copy to: M.O.W.T. ✓
OWNER ✓

2559

THE BRITISH CORPORATION REGISTER OF
SHIPPING AND AIRCRAFT

SURVEY FOR FREEBOARD

STEAMER, ~~TANKER~~, SAILER.

S.S. "EMPIRE MAYPORT" ✓

WITH ~~WITHOUT~~ TIMBER DECK CARGO

Nationality BRITISH ✓

Builders' Name and No. of Ship MESSRS. COOK, WELTON & GEMMELL LTD.

Port of Registry HULL ✓

BEVERLEY YARD No. 749 ✓

Official Number 180449

Owners M.O.W.T. ✓

Gross Tonnage 394.1

(MGRS) SINGAPORE STRAITS S.S. CO. LTD.

Date of Build SEPT. 1945.

Port and Date of survey HULL DURING CONSTRUCTION ✓

Name of Surveyor W. J. NOBLE.

Particulars of Classification B.5* (WITH FREEBOARD -
EAST INDIAN ARCHIPELAGO SERVICE)

Names of Sister Ships "C" TYPE COASTERS.

Type of Superstructures OPEN SHELTER DECK

Trade of Ship

Service Endorsement ~~None~~ AND ONLY SO LONG AS THE SHIP IS ENGAGED IN EAST
INDIAN ARCHIPELAGO SERVICE. ✓

TEMPORARY ENDORSEMENT:-

THE EXTREME DRAUGHT OF THIS SHIP FOR THE VOYAGE FROM THE
UNITED KINGDOM TO THE PORT OF DESTINATION MUST NOT EXCEED 9'0"

ALL SEASONS.

SUMMER FREEBOARD recommended amidships from centre of disc to top of deck line, (.....wood.....steel)

0'-7" ✓

TROPICAL FRESH WATER LINE above centre of disc

Corresponding Freeboard

FRESH WATER LINE " " " 2 1/2" ✓

0'-4 1/2" ✓

TROPICAL LINE " " "

WINTER LINE below " "

WINTER NORTH ATLANTIC LINE " " "

SUMMER TIMBER FREEBOARD recommended amidships from top of deck line

TROPICAL FRESH WATER Timber line above L.S.

Corresponding Freeboard

FRESH WATER " " " "

TROPICAL " " " "

WINTER " " below "

WINTER NORTH ATLANTIC " " " "

Number of years recommended for load line certificate

DATE of Issue 23-8-45

DATE of Expiry 22-8-50

The scantlings and protective arrangements being in accordance with the Load Line Rules it is submitted that the freeboards be assigned

Chief Surveyor

Passed at a meeting of the Committee of Management of the British Corporation Register of Shipping and Aircraft

on the 5th September 1945

© 2021

 Lloyd's Register
 Foundation
 Secretary

011610-011618-0222 1/2

COMPUTATION OF FREEBOARD

Length on summer load line 140'-5" Moulded Breadth 27'-0" Moulded Depth 10'-6" Depth of Keel .71"
Moulded displacement (ex bossing) at moulded draught of 85 per cent. of moulded depth 683 Tons
Co-efficient of fineness for use with tables $\frac{\Delta \times 35}{L \times B \times D \times .85} = .7063$
Displacement and tons per inch immersion in salt water at summer load line 774 @ 7.7 T.P.I.
Moulded depth 10.5 Deduction for Fresh Water $\frac{\Delta}{40T} = 2\frac{1}{2}$ inches
Stringer Plate 5/16 Round of Beam Correction
Sheathing on exposed deck T $\left(\frac{L-S}{L}\right)$ Ships Round of Beam 0.00 inches
Rise of floor (in sailers) - Standard Round of Beam $\frac{B \times 12}{50} = 6.48$
Depth for Freeboard (D) 10.526 Difference 6.48
Table Depth 4/15 9.361 Restricted to
Depth Correction 4/130 1.165 Correction $\frac{\text{Difference}}{4} \times \left(1 - \frac{E}{L}\right) = 1.62 \times .2359 = .382 \text{ ON.}$
If restricted by superstructures 1.258 ON

	Enclosed Length	Length of Overhang	Height	Mean Covered Length (S)	Height Correction	Effective Length (E)
Poop	50'-5"	28'-0"	7.0	78.42		64.42
Raised Quarter Deck						
Bridge		F				
		A				
Forecastle	23'-9"	34'-3"	7.0	58.00		40.88
Trunk Aft						
" Forward						
Tonnage Opening Aft	4'-0"			4.00	.5	2.00
" " Forward						
Totals				140.42		107.30

12" EXCESS TONN. DR. HEIGHT
EQUIV. ACTUAL
SHEER AFT

Station	Actual Sheer	Standard Sheer	Effective Sheer	S.M.	Product
27.5 A.P.	15 1/2"	24.04	24.04	1	24.04
12.24 L from A.P.	6 1/2"	10.70	10.70	4	42.80
3.06 L from A.P.	3/8"	2.64	2.64	2	5.28
- Amidships	-	-	-	4	-
3.87 L from F.P.	-	5.22	3.87	2	7.74
15.48 L " "	5 1/8"	21.40	15.48	4	61.92
34.83 F.P.	31 3/4"	48.08	34.83	1	34.83
				18	176.61
Effective Mean Sheer					9.810
Standard " " .05L + 5					12.020
Difference					2.210

Mean Actual sheer aft = MORE THAN 1
" Standard " "
Mean Actual sheer forward = LESS THAN 1 (72.48%)
" Standard " "
Length of enclosed superstructure forward of amidships = -
Length of Ship
Length of enclosed superstructure aft of amidships = -
Length of Ship
Sheer Correction = Difference $\times \left(75 - \frac{S}{2L}\right) = 2.210 \times .25 = .552 \text{ ON.}$
If limited on account of midship superstructure =
" to maximum allowance of 1 1/2 ins. per 100 ft. =

TABULAR FREEBOARD corrected for flush deck if required = 14.25

Correction for co-efficient = $\frac{13863}{136} = 14.53$ DRAUGHTS AND SEASONAL CORRECTIONS

	+	-	Sailor, Tanker, Steamer	Timber
Depth correction	1.26	-		
Deduction for superstructures	-	14.21		
Sheer correction	.55	-		
Round of Beam correction	.38	-		
Correction for thickness of deck amidships	-	-		
Other corrections, scantlings, etc.	4.40	1		
	6.68	14.21	10.526	
		-7.53	.583	
			9.943	(d1)
			.059	
			10.00	

ALL SEASONS

Summer Freeboard in inches 7" = 7.00"
Additional allowance for superstructures on
Timber carrying ships =
Summer Timber Freeboard in inches =

Deduction for Tropical and addition for Winter freeboard $d/4 =$ ins.
Addition for Winter North Atlantic (if required) = ins.
Deduction for Tropical Timber Freeboard $\frac{d}{4} =$ ins.
Addition for Winter " " $\frac{d}{3} =$ ins.
" " N.A. Timber Freeboard (if required) = ins.

THE BRITISH CORPORATION REGISTER OF SHIPPING AND AIRCRAFT

SURVEY FOR FREEBOARD

CONDITIONS OF ASSIGNMENT

SHIPS NAME "EMPIRE MAYPORT"

OFFICIAL NUMBER 180449

Nationality and Port of Registry BRITISH HULL

PARTICULARS OF SUPERSTRUCTURES, TRUNKS, CASINGS, DECKHOUSES

	Coaming	Plating	Stiffeners	Spacing	End Attachments	No. and size of Openings	Height of Sills	Height of Casings
Poop Bulkhead	.25	.25	3x.25 FLATS	2'-6"	BKT> AT TOP	-	-	-
R.Q.D. "				-				
Bridge Aft Bulkhead				-				
" Forward "				-				
Forecastle Bulkhead	.25	.25	3x.25 FLATS	2'-6"	-	1@ 3'-0" x 3'-0"	36"	7'-0"
Trunk, Aft								
" Forward								
Exposed Machinery Casings on } Freeboard or R.Q. Decks								
Exposed Machinery Casings on } superstructure decks	3/16"	3/16	3 1/2 x 2 1/2 x 30"	24"-30"	NONE	4'-9" x 1'-7 1/2"	1'-6"	7'-0"
Machinery Casings within Super- structures not fitted with Cl. 1 closing appliances				-				
Deckhouses on flush deck ships				-				

PARTICULARS OF CLOSING APPLIANCES (state if capable of being manipulated from both sides)

Poop Bulkhead	No OPENING
R.Q.D. "	-
Bridge Aft Bulkhead	-
" Forward "	-
Forecastle Bulkhead	W.T. BOLTED PLATE
Exposed Machinery Casings on } Freeboard or R.Q. decks	-
Exposed Machinery Casings on } superstructure decks	STEEL DOORS OPERATED BOTH SIDES.
Machinery Casings within super- structures not fitted with Cl. 1 Closing Appliances	-
Deck houses on Flush Deck ships	-

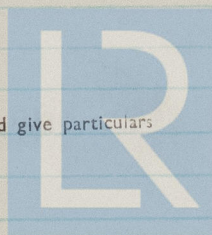
PARTICULARS OF FREEING ARRANGEMENTS

	Length of Bulwark	Height of Bulwark	No. and size of Freeing Ports each side	Area each side	Rule Area
After Well			OPEN RAILS.		
Forward Well					

State fore and aft position and height above } After Well
deck to bottom of port, for each port }
Forward Well

State whether freeing ports are fitted with shutters, bars or rails, and give particulars

Give particulars of freeing port area, etc., on superstructure decks

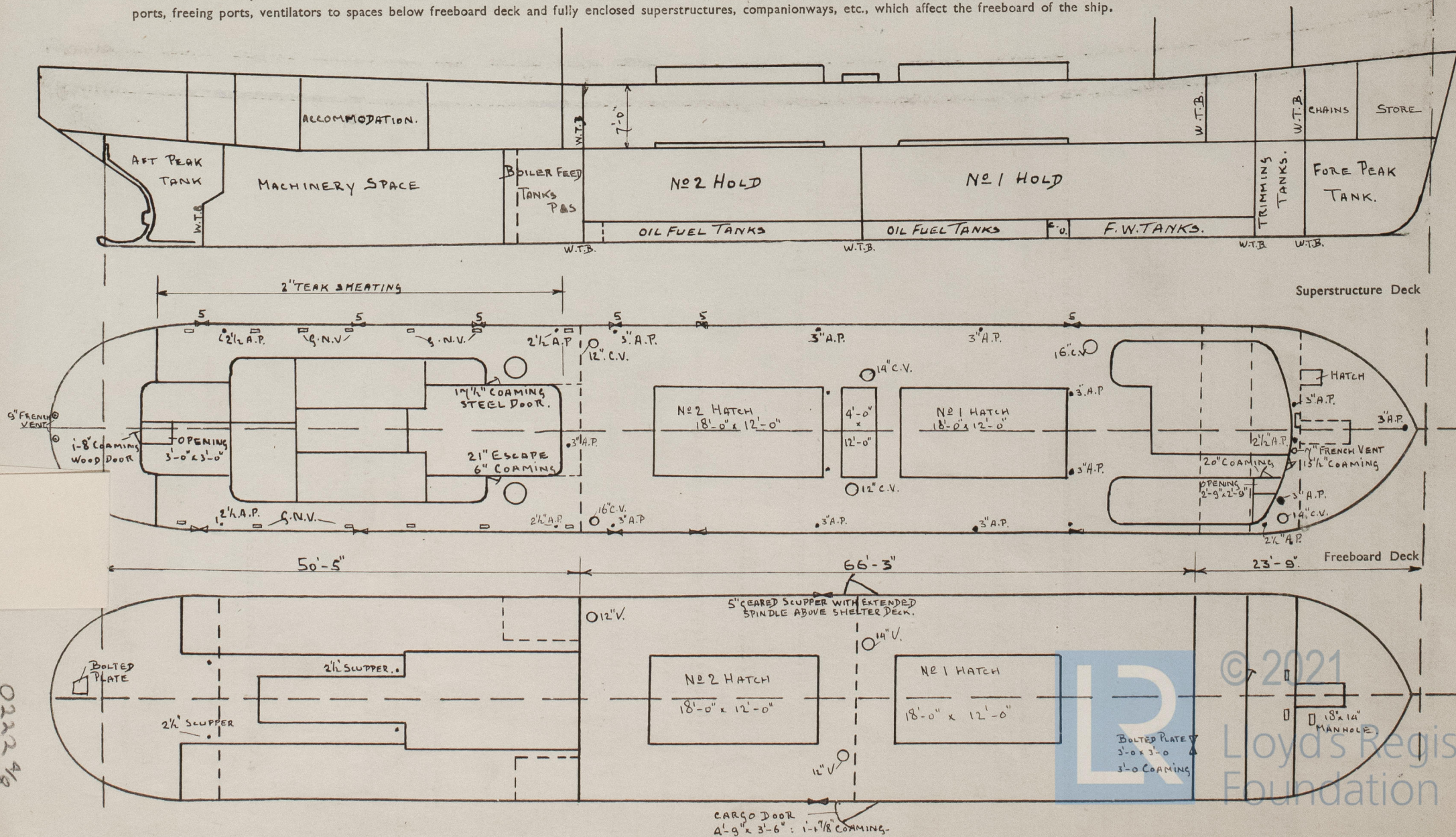


© 2021

Lloyd's Register
Foundation

0222 3/8 ✓

Position and dimensions of superstructure decks, position of superstructure bulkheads and openings, extent and thickness of wood sheathing in wells, position of cargo and coaling hatchways, gangway, cargo and coaling ports, freeing ports, ventilators to spaces below freeboard deck and fully enclosed superstructures, companionways, etc., which affect the freeboard of the ship.



1-8' COAMING
WOOD DOOR

OPENING
3'-0" x 3'-0"

21" ESCAPE
6" COAMING

3" A.P.

NO 2 HATCH
18'-0" x 12'-0"

4'-0"
x
12'-0"

12" C.V.

As this vessel is less than 250'-0" in length
the Freeboard Report has not been compared with the
approved plans.

BOLTED
PLATE

21" SLUTTER.

NO 2 HATCH

4-9' x 3'-6" : 1-1/8" COAMING.

PARTICULARS OF ALL HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS

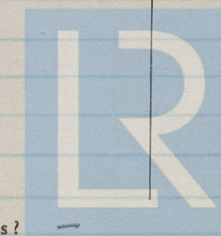
Number and description of Hatchway from forward	SHELTER DECK				UPPER DECK.	
	STORE ROOM	Nº1 HATCH	TONNAGE HATCH	Nº2 HATCH	Nº1 HATCH	Nº2 HATCH
Dimensions of Hatchway	2'-6" x 2'-6"	18'-0" x 12'-0"	4'-0" x 12'-0"	18'-0" x 12'-0"	18'-0" x 12'-0"	18'-0" x 12'-0"
COAMINGS	Height above deck { steel } wood {	18" AT SIDES	18" AT SIDES	18" AT SIDES	18" AT SIDES	18" AT SIDES
	Thickness { sides } ends {	25" AT CR.	25" AT CR.	25" AT CR.	25" AT CR.	25" AT CR.
	Stiffeners	.38"	.38"	.38"	.38"	.38"
HATCH BEAMS	Brackets or Stays	1-5 1/2 x 3/8 AT ENDS	1-5 1/2 x 3/8 AT ENDS	1-5 1/2 x 3/8 AT ENDS	1-5 1/2 x 3/8 AT ENDS	1-5 1/2 x 3/8 AT ENDS
	Number	3	3	3	3	3
	Spacing	4'-6"	4'-6"	4'-6"	4'-6"	4'-6"
	Scantling and Sketch	5 1/2 x 3/8 I 1-1" x 3/8 6" x 3/8	5 1/2 x 3/8 I 1-1" x 3/8 6" x 3/8	5 1/2 x 3/8 I 1-1" x 3/8 6" x 3/8	5 1/2 x 3/8 I 1-1" x 3/8 6" x 3/8	5 1/2 x 3/8 I 1-1" x 3/8 6" x 3/8
FORE AND AFTERS	Bearing Surface and thickness of carriers or sockets	3"	3"	3"	3"	3"
	Number	1 1/8"	1 1/8"	1 1/8"	1 1/8"	1 1/8"
	Spacing					
	Unsupported lengths					
HATCH COVERS	Scantling and Sketch					
	Bearing Surface and thickness of carriers or sockets					
	Material	STEEL	WOOD	WOOD	WOOD	WOOD
	Thickness	.30"	2"	2"	1 3/4"	1 3/4"
HATCH COVERS	How Fitted	F & A	F & A	F & A	F & A	F & A
	Bearing Surface	2 1/2"	3"	2 1/2"	2 1/2"	2 1/2"
	Spacing of Cleats	8 DOGS	24"	24"	24"	24"
	Number of Tarpaulins	-	2	2	2	2

Are tarpaulins in good condition and in accordance with rule requirements? YES

Are lashings provided in accordance with rule requirements? YES

Are wood fore and afters steel shod at all bearing surfaces? -

Are battens and wedges efficient and in good condition? YES.



© 2021

Lloyd's Register Foundation

8/5/2020

B
P
ST

A
P
ST

2 -

At
Po

2 -

2 -

2 -

2 -

2 -

2 -

2 -

2 -

2 -

2 -

2 -

2 -

2 -

Scuppers and Sanitary Discharge Pipes (state material, type and number of valves)

BELOW FREEBOARD DECK P&S 1- 5" GEARED SCUPPER WITH EXTENDED SPINOLE ABOVE SHELTER DECK
PORT SIDE 1- 2" G.M. STRAIGHT THRO' STORM VALVE WITH VALVE IN LINE FROM SPACES ABOVE FREEBOARD DECK
STARBD " 1- 3" G.M. " " " " " " " " " " " "
1- 2" G.M. " " " " " " " " " " "

ABOVE FREEBOARD DECK

PORT SIDE 1-4" G.M. ANGLE STORM VALVE FROM SPACES ABOVE SHELTER DECK

STARBE	1-2"	"	"	"	"	"	"	"	"
"	3-4"	"	"	"	"	"	"	"	"
"	2-2"	"	"	"	"	"	"	"	"

2-1 1/2" SCUPPERS P&S FROM TWEEN DECK ACCOMMOD SPACE WITH CLOSING COCK-LED TO BILGES.

Side Scuttles to spaces below freeboard and superstructure decks (state type or pattern, and if permanent or portable deadlights are supplied)

SPACES BELOW SUPERSTRUCTURE DECK: 10" AND 14" BRASS FRAMED SIDELIGHTS WITH PERMANENT DEADLIGHTS

Vertical distance of sill of lowest side scuttle below top of freeboard deck at side amidships

Guard Rails on freeboard and superstructure decks (state type and where fitted)

STANCHIONS FITTED ON SUPERSTRUCTURE DECK.

STANCHIONS FORGED 3'-5" HIGH TOP RAIL 1 1/2" DIA. TUBE 2 LOWER RAILS 7/8" DIA. SOLID.

Gangways and Lifelines

1 1/2" G.S.W.R. FITTED FROM FORE END OF AFTER DECKHOUSES TO AFT END OF
FOR^D DECKHOUSE PORT & STARB^D

Gangway, Cargo and Coaling Ports in sides of ship

1. STEEL CARGO DOOR P&S. IN'TWEEN DECKS 4'-9" x 3'-6" 1'-17 1/2" COAMING

© 2021

Lloyd's Register
Foundation

0222^{7/8}

SUPPLEMENTARY REQUIREMENTS FOR STEAMER CARRYING TIMBER DECK CARGOES

Do Superstructure and Machinery Casings comply with rules?

Is provision made for protection of steering gear?

Is emergency steering gear provided?

Are efficient sockets and eyes for lashings provided and properly spaced?

State particulars of longitudinal subdivision in double bottom

State particulars of Bulwarks and Rails

Particulars of any Special Features in the construction of the Ship

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

The fittings and appliances are in accordance with the particulars shown in the form and are in good condition



© 2021

Lloyd's Register
Foundation

02228/8