

Copy to: M.O.W.T
: OWNERS

2204

Form LL. 4.C. Revised

THE BRITISH CORPORATION REGISTER OF SHIPPING AND AIRCRAFT

SURVEY FOR FREEBOARD

"RUSA"
S.M. Ex

STEAMER, TANKER, SAILED: CHANT 43 WITHOUT TIMBER DECK CARGO

Nationality BRITISH Builders' Name and No. of Ship FURNESS S.B. Co LTD.
 Port of Registry MIDDLESBROUGH LONDON. HAVERTON HILL ON LEES. N° 38A.
 Official Number 169142 Owners SHELL Co of STRAITS SETTLEMENTS LONDON
MINISTRY OF MARINE TRANSPORT.
Anglo Siam Petroleum Co LTD. LONDON
(MOR) COASTAL TANKERS LTD LONDON
Anglo Siam Petroleum Co (Eastern) Ltd.
 Gross Tonnage 400.67. Port and Date of survey MIDDLESBROUGH. DURING CONSTRUCTION
 Date of Build JUNE 1944. Name of Surveyor JOHN AITKEN.
 Particulars of Classification B.S.* { BULK OIL CARRIER } Names of Sister Ships CHANTS 52-59, 62-65, 42-45.
{ COASTING SERVICE } OWNERS. SHELL COMPANY OF SINGAPORE LTD.
 Type of Superstructures POOP & FORECASTLE

Trade of Ship

Service Endorsement if any

LINE	POSITION	RECOMMENDED	CORRESPONDING
SUMMER FREEBOARD	recommended amidships from centre of disc to top of deck line, (.....wood.....steel)		1'-0"
TROPICAL FRESH WATER LINE	above centre of disc	2 1/2"	0'-9 1/2"
FRESH WATER LINE	" " "	2 1/2"	0'-9 1/2"
TROPICAL LINE	" " "	0	1'-0"
WINTER LINE	below " "	2 1/2"	1'-2 1/2"
WINTER NORTH ATLANTIC LINE	" " "	4 1/2"	1'-4 1/2"

LINE	POSITION	RECOMMENDED	CORRESPONDING
SUMMER TIMBER FREEBOARD	recommended amidships from top of deck line		
TROPICAL FRESH WATER	Timber line above L.S.		
FRESH WATER	" " " "		
TROPICAL	" " " "		
WINTER	" " below "		
WINTER NORTH ATLANTIC	" " " "		

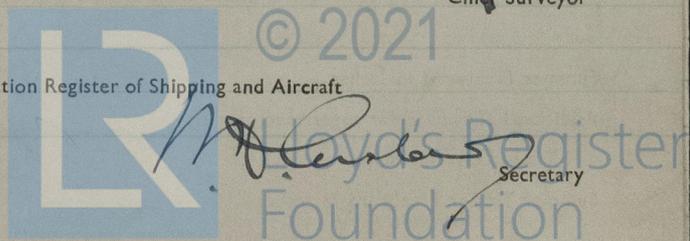
Number of years recommended for load line certificate

DATE of issue 5-6-44
DATE of Expiry 4-6-49

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

[Signature]
Chief Surveyor

Passed at a meeting of the Committee of Management of the British Corporation Register of Shipping and Aircraft
on the 5th July, 1944



010652-010661-0087 1/4

COMPUTATION OF FREEBOARD

Length on summer load line 141'-0" Moulded Breadth 27'-0" Moulded Depth 11'-0" Depth of Keel 1/2"
 Moulded displacement (ex bossing) at moulded draught of 85 per cent. of moulded depth 725 Tons
 Co-efficient of fineness for use with tables $\frac{\Delta \times 35}{L \times B \times D \times 85} = 711$
 Displacement and tons per inch immersion in salt water at summer load line 789 @ 8.04 T.P.I.
 Moulded depth 11'-000 Deduction for Fresh Water $\frac{\Delta}{40T} = 2.453$ inches
 Stringer Plate 3/8" 031 Round of Beam Correction
 Sheathing on exposed deck T (L-S) - 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) 11'-031 Difference 6.48
 Table Depth 4/5 8.400 Restricted to
 Depth Correction 4/100 1.631 Correction $\frac{\text{Difference}}{4} \times \left(1 - \frac{S}{L}\right) = 1.62 \times 2267 = 3668 \text{ ON.}$
 If restricted by superstructures 1.769 ON.

	Enclosed Length	Length of Overhang	Height	Mean Covered Length (S)	Height Correction	Effective Length (E)
Poop	27'-6 1/2"	-	7'-0"	41.26	-	41.26
Raised Quarter Deck						
Bridge	F	A				
Forecastle	13'-8 1/2"	1'-10"	8'-0"	15.63	-	14.82
Trunk Aft	21'-9"	-	7'-0"	18.33	1.18	14.50
" Forward	11'-2"	-	3'-4"	14.71	1.27	15.25
Tonnage Opening Aft	18'-10"	-	3'-4"	14.71	1.27	5.70
" Forward						
Totals	51. Length	14.50		56.89		91.55

Standard Height of Superstructure 6'-0"
 " " R.Q.D. -
 Percentage covered S/L = 40.34 %
 " " E/L = 64.93 %
 " from Table line A, B, (corrected for absence of forecastle if required) -
 Percentage from Table by interpolation for Bridge less than .2L if required = -
 Deduction = 57.423
 Percentage from Table for Tankers (or Timber ships) =
 Deduction = 20.1 x 57.42 = 11.54 OFF.

Station	Actual Sheer	Standard Sheer	Effective Sheer	S.M.	Product
A.P.				1	
1/3 L from A.P.				4	
2/3 L from A.P.				2	
Amidships				4	
1/3 L from F.P.				2	
2/3 L " "				4	
F.P.				1	
				18	

Effective Mean Sheer =
 Standard " " .05L + 5 = 12.03
 Difference 12.03

Mean Actual sheer aft = LESS THAN 1.
 " Standard " "
 Mean Actual sheer forward = LESS THAN 1.
 " Standard " "
 Length of enclosed superstructure forward of amidships =
 Length of Ship
 Length of enclosed superstructure aft of amidships =
 Length of Ship
 Sheer Correction = Difference $\times \left(75 - \frac{S}{2L}\right) = 12.03 \times 54.88 = 6.608 \text{ ON.}$
 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 = 11.33
 Correction for co-efficient = 1391/136 = 10.22

	+	-
Depth correction	1.77	-
Deduction for superstructures	-	11.54
Sheer correction	6.61	-
Round of Beam correction	.37	-
Correction for thickness of deck amidships	-	-
Other corrections, scantlings, etc.	-	-
	8.75	11.54
Summer Freeboard in inches	12"	11.87
Additional allowance for superstructures on Timber carrying ships	=	=
Summer Timber Freeboard in inches	=	=

DEPTH AND SEASONAL CORRECTIONS
 Depth to Freeboard Deck in feet 11.031
 Summer Freeboard in feet 1.000
 Moulded Draught (d) 10.031 (d1)
 Addition for Keel .042
 Extreme draught 10'-0 7/8 10.073
 Deduction for Tropical and addition for Winter freeboard d/4 = 2.5 ins.
 Addition for Winter North Atlantic (if required) - 4.5 ins.
 Deduction for Tropical Timber Freeboard $\frac{d1}{d} =$ ins.
 Addition for Winter " " $\frac{d1}{3} =$ ins.
 " " N.A. Timber Freeboard (if required) = ins.

Form LL. 4.D.

THE BRITISH CORPORATION REGISTER OF SHIPPING AND AIRCRAFT
 SURVEY FOR FREEBOARD
 CONDITIONS OF ASSIGNMENT

SHIPS NAME "Giant 43" OFFICIAL NUMBER 169142.
 Nationality and Port of Registry BRITISH, MIDDLESBROUGH.

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	-	5/16	5 x 3 x 5/16	25 1/2	DRIFT T+B	NONE		
R.Q.D. "	-							
Bridge Aft Bulkhead	-							
" Forward "	-							
Forecastle Bulkhead	-	5/16	3 x 3 x 1/4	30	NONE STIFF LAPS	2 @	15"	
Trunk, Aft					TOP + BOTTOM L'S	1 @ 5'-0" x 21"		
" Forward						BEAMS AT LOWER STEEL DOOR		
Exposed Machinery Casings on Freeboard or R.Q. Decks	-							
Exposed Machinery Casings on superstructure decks	-	3/32	3 x 2 1/2 x 1/4	31"	ATTACHED TO U.D.	1 @ 5'-0" x 21"	18"	
Machinery Casings within Superstructures not fitted with Cl. 1 closing appliances	-				END			
Deckhouses on flush deck ships	-							

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

Poop Bulkhead	No openings
R.Q.D. "	-
Bridge Aft Bulkhead	-
" Forward "	-
Forecastle Bulkhead	Steel doors, 15" coamings.
Exposed Machinery Casings on Freeboard or R.Q. decks	-
Exposed Machinery Casings on superstructure decks	Steel door fore end, 18" coaming. Manipulated both sides.
Machinery Casings within superstructures not fitted with Cl. 1 Closing Appliances	-
Deck houses on Flush Deck ships	-

PARTICULARS OF FREEING ARRANGEMENTS

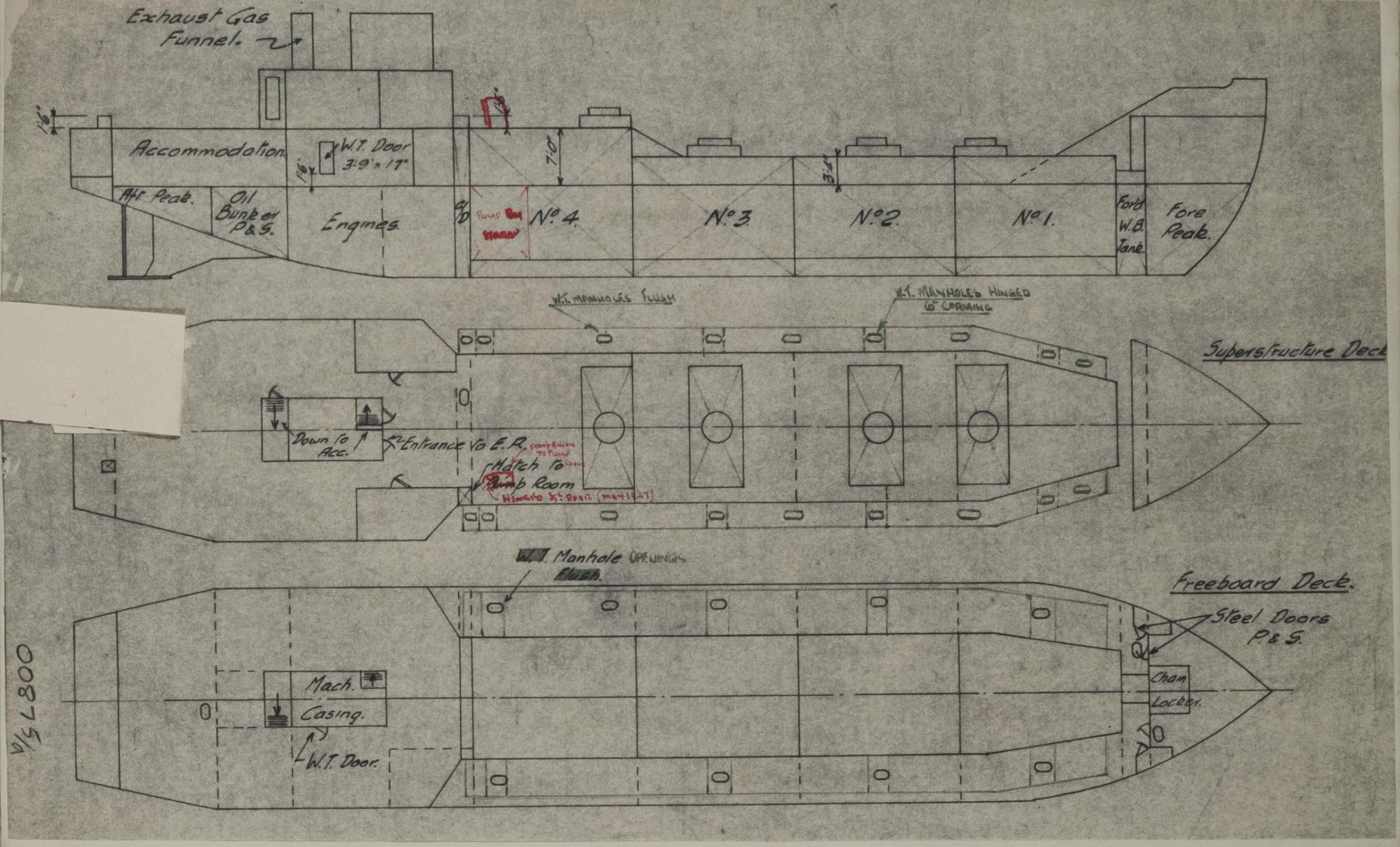
	Length of Bulwark	Height of Bulwark	No. and size of Freeing Ports each side	Area each side	Rule Area
After Well					
Forward Well	Open rails				
State fore and aft position and height above deck to bottom of port, for each port					
State whether freeing ports are fitted with shutters, bars or rails, and give particulars					
Give particulars of freeing port area, etc., on superstructure decks					

✓ DRAUGHT IN S.W. RESTRICTED.

00872/4



© 2021 Lloyd's Register Foundation
 00873/4

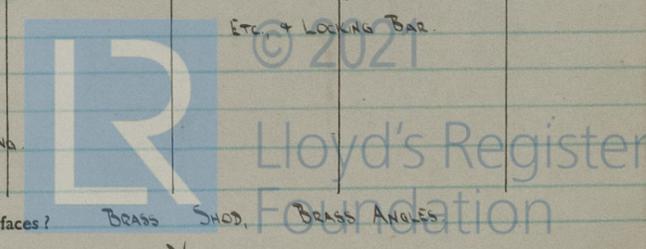


PARTICULARS OF ALL HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS

Number and description of Hatchway from forward	No. 1	No. 2	No. 3	No. 4		
Dimensions of Hatchway	15'-0" x 6'-8"	15'-0" x 6'-8"	15'-0" x 6'-8"	15'-0" x 6'-8"		
COAMINGS	Height above steel deck	18"	18"	18"	18"	
	Thickness	5/16	5/16	5/16	5/16	
HATCH BEAMS	Stiffeners	-	-	-	-	
	Brackets or Stays	-	-	-	-	
FORE AND AFTERS	Number	2	2	2	2	
	Spacing	5'-0"	5'-0"	5'-0"	5'-0"	
HATCH COVERS	Unsupported lengths	6'-6 3/8"	6'-6 3/8"	6'-6 3/8"	6'-6 3/8"	
	Scantling and Sketch	7 x 4 WOOD				
HATCH COVERS	Bearing Surface and thickness of carriers or sockets	5/16 PLATE SOCKETS	5/16 PLATE SOCKETS	5/16 PLATE SOCKETS	5/16 PLATE SOCKETS	
	Material	WOOD	WOOD	WOOD	WOOD	
HATCH COVERS	Thickness	2 3/8"	2 3/8"	2 3/8"	2 3/8"	
	How Fitted	TU'SHIP	TU'SHIP	TU'SHIP	TU'SHIP	
HATCH COVERS	Spacing of Cleats	2'-0"	2'-0"	2'-0"	2'-0"	
	Number of Tarpaulins	2	2	2	2	
Are tarpaulins in good condition and in accordance with rule requirements?					Yes	Are wood fore and afters steel shod at all bearing surfaces?
Are lashings provided in accordance with rule requirements?					Yes	Are battens and wedges efficient and in good condition?

00875 1/2

00875 1/2



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

0087^a/_a