

LL. 4.C.

THE BRITISH CORPORATION REGISTER OF SHIPPING AND AIRCRAFT SURVEY FOR FREEBOARD

558

STEAMER, ~~TANKER, SAILER~~ "EL AMIN" S.O. ~~WITH~~ WITHOUT TIMBER DECK CARGO
 Nationality British Builders' Name and No. of Ship Bos, M^r Maclean & Co. Ltd
 Port of Registry London No 454
 Official Number 149736 Owners The Halal Shipping Co. Ltd.
 Gross Tonnage 746
 Date of Build 9/1926 Port and Date of Survey Port Swfick Nov. '32
 Name of Surveyor Hugh Armstrong
 Particulars of Classification B.S. * (With Freeboard) Names of Sister Ships —

Type of Superstructures Complete superstructure with openings in topides

Give full particulars of the following:—

Fiddley and Funnel Coamings (state height of coamings, type of fiddle covers, and if these are permanently attached in their proper positions)

Funnel coaming 2'6" above casing top; bolted plates & hinged flaps (to donkey boiler space only)
 E.R. skylight (minimum ht 11" above casing top) is provided with hinged steel flaps.

Flush Bunker Scuttles on freeboard and superstructure decks (state material, type of joints, etc., and if secured by hinge or permanent chain attachment) none

Companionways on ~~freeboard and~~ superstructure decks (state material, height of doorway sills, type of doors, and if these can be closed and secured from both sides)

To fwd. Accm:— steel; 15'; hinged ^{steel} ~~teak~~ doors (double); both sides (also sliding hatch)
 " Pilgrims Accm on updeck:— steel; 15'; " ^{teak} ~~double~~ " "
 " Crew Accm. aft:— steel; 15'; hinged ~~teak~~ doors; " "

Ventilators in exposed positions on ~~freeboard, raised quarter and~~ superstructure decks (state height of steel coamings, pitch of rivets in deck connection, type of closing arrangements) 4 wood plugs & canvas covers for stools, (canvas covers 3 1/2' - 4 1/2' for others)

Coamings:— 28" & 36"; 2 mushrooms @ 11" high.

Airpipes in exposed positions on ~~freeboard, raised quarter and~~ superstructure decks (state height to opening and if satisfactory closing arrangements are provided) Goosenecks 10" & 12" high

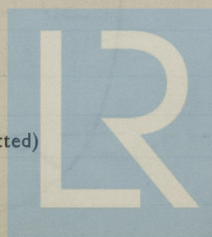
Scuppers and Sanitary Discharge Pipes (state material, type and number of valves) All in order & satisfactory.
 (4 br dk scuppers have valves at shell & fitted with screwed plugs at inboard ends)

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

Brass frames & permanent deadlights.

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

3 rod type 3'-7" high



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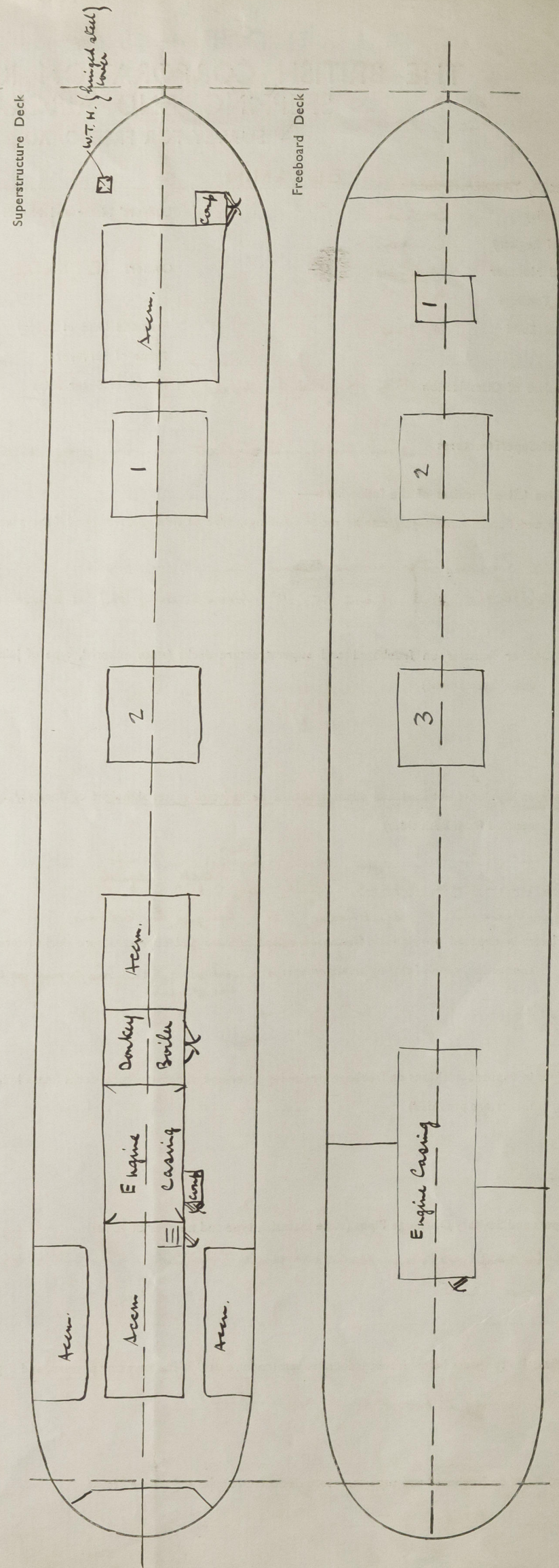
Lloyd's Register
Foundation

002385-002400-0031

Superstructure bulkheads, trunks, deckhouses, casings, cargo and coaling hatches, extent and thickness of deck sheathing, gangway, cargo, and coaling ports, and any other openings, etc., which would affect the seaworthiness of the ship are to be shown on the following sketches

ER skylight

Superstructure Deck



Statement of special features in the construction of the ship

COMPUTATION OF FREEBOARD.

Length on summer load line	Moulded Breadth	Moulded Depth	Depth of Keel
Moulded displacement (ex bossing) at moulded draught of 85 per cent. of moulded depth			Tons
Co-efficient of fineness for use with tables $\frac{\Delta \times 35}{L \times B \times D \times 85} =$			
Displacement and tons per inch immersion in salt water at summer load line			
Moulded depth		Deduction for Fresh Water $\frac{\Delta}{40T} =$	inches
Stringer Plate		Round of Beam Correction	
Sheathing on exposed deck T $\left(\frac{L-S}{L}\right)$		Ships' Round of Beam	inches
Rise of floor (in sailers)		Standard Round of Beam $\frac{B \times 12}{50}$	
Depth for Freeboard (D)		Difference	
Table Depth		Restricted to	
Depth Correction		Correction $\frac{\text{Difference}}{4} \times \left(1 - \frac{S}{L}\right) =$	
If restricted by superstructures			

	Enclosed Length	Length of Overhang	Height	Mean Covered Length (S)	Height Correction	Effective Length (E)	
Poop							Standard Height of Superstructure
Raised Quarter Deck		F					" " R.Q.D.
Bridge		A					Percentage covered S/L =
Forecastle							" " E/L =
Trunk Aft							" from Table line A, B, (corrected for absence of forecastle if required)
" Forward							Percentage from Table by interpolation for Bridge less than .2L if required =
Tonnage Opening Aft							Deduction =
" " Forward							Percentage from Table for Tankers (or Timber ships) =
Totals							Deduction =

Station	Actual Sheer	Standard Sheer	Effective Sheer	S.M.	Product	
A.P.				1		Mean Actual sheer aft =
$\frac{1}{4}$ L from A.P.				4		" Standard " "
$\frac{1}{2}$ L from A.P.				2		Mean Actual sheer forward =
Amidships				4		" Standard " "
$\frac{1}{4}$ L from F.P.				2		Length of enclosed superstructure forward of amidships =
$\frac{1}{2}$ L				4		Length of Ship
F.P.				1		Length of enclosed superstructure aft of amidships =
				18		Length of Ship
Effective Mean Sheer						Sheer Correction = Difference $\times \left(75 - \frac{S}{2L}\right) =$
Standard " " .05L + 5						
Difference						If limited on account of midship superstructure =
						" to maximum allowance of $1\frac{1}{2}$ ins. per 100 ft. =

TABULAR FREEBOARD corrected for flush deck if required =
Correction for co-efficient =

Depth correction	
Deduction for superstructures	
Sheer correction	
Round of Beam correction	
Correction for thickness of deck amidships	
Other corrections, scantlings, etc.	

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

DRAUGHTS AND SEASONAL CORRECTIONS

	Sailer, Tanker, Steamer	Timber
Depth to Freeboard Deck in feet		
Summer Freeboard in feet		
Moulded Draught (d)		(d1.)
Addition for Keel		
Extreme draught		
Deduction for Tropical and addition for Winter freeboard $d/4 =$		ins.
Addition for Winter North Atlantic (if required)		ins.
Deduction for Tropical Timber Freeboard $\frac{d1}{4}$		ins.
Addition for Winter " " $\frac{d1}{3}$		ins.
" " N.A. Timber Freeboard (if required)		ins.

SUMMER FREEBOARD recommended amidships from centre of disc to top of deck line, ($2\frac{1}{2}$ " wood steel)	0'-11 $\frac{1}{4}$ "
TROPICAL FRESH WATER LINE above centre of disc $4\frac{1}{2}$ "	Corresponding Freeboard 0'-6 $\frac{3}{4}$ "
FRESH WATER LINE " " " $2\frac{1}{2}$ "	" " 0'-8 $\frac{3}{4}$ "
TROPICAL LINE " " " 2"	" " 0'-9 $\frac{1}{4}$ "
WINTER LINE below " " " $1\frac{1}{2}$ "	" " 1'-0 $\frac{3}{4}$ "
WINTER NORTH ATLANTIC LINE " " " $3\frac{1}{2}$ "	" " 1'-2 $\frac{3}{4}$ "

SUMMER TIMBER FREEBOARD recommended amidships from centre of disc to top of deck line	
TROPICAL FRESH WATER Timber line above centre of disc	Corresponding Freeboard
FRESH WATER " " " " "	" "
TROPICAL " " " " "	" "
WINTER " " below " " "	" "
WINTER NORTH ATLANTIC " " " " "	" "

	Coaming	Plating	Stiffeners	Spacing	End Attachments	No. and size of Openings	Height of Sills	Height of Casings
Poop Bulkhead	24	24	3x3x3	36"	—	—	—	—
R.Q.D. "								
Bridge Aft Bulkhead								
" Forward "								
Forecastle Bulkhead	24	24	3x3x3	36"	—	—	—	—
Trunk, Aft								
" Forward								
Exposed Machinery Casings on Freeboard or R.Q. Decks								
Exposed Machinery Casings on superstructure decks	36	24	3x2 $\frac{1}{2}$ x26	31"	3x3x3 top	22'4"x2'9"	15'	7'-0
Machinery Casings within Superstructures not fitted with Cl. 1. closing appliances	3	"	"	"	"	12'4"x2'3"	18'	7'-3
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	open
" Forward "	—
Forecastle Bulkhead	—
Exposed Machinery Casings on Freeboard or R.Q. decks	—
Exposed Machinery Casings on superstructure decks	hinged steel doors; both sides
Machinery Casings within superstructures not fitted with Cl. 1. Closing Appliances	" wood door; " "
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	16'5	2'4'-8" in way of tonnage opening in topsides			
Forward Well		hinged steel flaps			
State fore and aft position and height above deck to bottom of port, for each port		After Well			
State whether freeing ports are fitted with shutters, bars or rails, and give particulars		Forward Well			
Give particulars of freeing port area, etc., on superstructure decks					

PARTICULARS OF ALL HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS

Number and description of Hatchway from forward	Hatchway Deck		Superstructure Deck	
	1	2	3	4
Dimensions of Hatchway	6' x 6'	14' x 16'	10' x 16'	14' x 16'
Height above deck	9"	9"	9"	18"
Thickness of sides	3/8"	3/4"	3/4"	1/2"
Stiffeners				
Brackets or Stays				
Number	2	2	1	1
Spacing	4'-8"	5'-0"	4'-8"	5'-0"
Scantling and Sketch	None	1 1/2" x 3 1/2"	1 1/2" x 3 1/2"	1 1/2" x 3 1/2"
Bearing Surface and thickness of carriers or sockets	None	3 x 3 x 1/2"	None	None
Number	1	1	1	1
Spacing	14' x 2 1/2"	14' x 2 1/2"	14' x 2 1/2"	14' x 2 1/2"
Unsupported lengths				
Scantling and Sketch				
Bearing Surface and thickness of carriers or sockets				
Material	Pine	Pine	Pine	Pine
Thickness	2 1/2"	2 1/2"	2 1/2"	2 1/2"
How Fitted	7/8"	7/8"	7/8"	7/8"
Bearing Surface	2 1/2"	2 1/2"	2 1/2"	2 1/2"
Spacing of Cleats	14' x 2 1/2"	14' x 2 1/2"	14' x 2 1/2"	14' x 2 1/2"
Number of Tarpaulins	1	1	1	1

[Surveyors are to note that wood fore and afters are to be steel shod at all bearing surfaces.]

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

Gangways and Lifelines of S.W.R. set up each side from fore end of bridge to cranes & from cranes to fore end of side houses aft

Gangway, Cargo and Coaling Ports in sides of ship Cargo doors 1 P.E.S. secured by strongbacks
 Tonnage " " " " " "

SUPPLEMENTARY REQUIREMENTS FOR STEAMER CARRYING TIMBER DECK CARGOES

Do Superstructures and Machinery Casings comply with rules?

Is provision made for protection of steering gear, and is emergency steering gear provided?

Are efficient uprights, sockets and lashings provided according to rules?


State particulars of longitudinal subdivision in double bottom

State particulars of Bulwarks and Rails

Approval date of plans and full particulars of arrangements for stowing and securing timber

The scantlings and protective arrangements being in accordance with the Freeboard rules it is submitted that the freeboard be assigned

Passed at a meeting of the Committee of Management of the British Corporation Register of Shipping and Aircraft
 on the 21st December 1932.

 Lloyd's Register
 Chief Surveyor.
 Secretary.