

THE BRITISH CORPORATION REGISTER OF SHIPPING AND AIRCRAFT SURVEY FOR FREEBOARD

STEAMER, ~~TANKER, SALES~~: SS "ROCKABILL" WITHOUT TIMBER DECK CARGO
Nationality BRITISH Builders' Name and No. of Ship D & W HENDERSON & CO LTD
Port of Registry GLASGOW GLASGOW NO 910.
Official Number 161940 Owners CLYDE SHIPPING CO LTD. GLASGOW.
Gross Tonnage 1392.
Date of Build 1/1931 Port and Date of survey GLASGOW JULY 1944.
Name of Surveyor A. MACARTHUR
Particulars of Classification B.S * Names of Sister Ships

Type of Superstructures BRIDGE.

Trade of Ship

Service Endorsement if any
12 0 1/2 25 6 1/2
18 2 25 10
15 11 15 11

Table with 4 columns: Line description, Measurement, Corresponding Freeboard, and Value. Includes rows for SUMMER FREEBOARD, TROPICAL FRESH WATER LINE, FRESH WATER LINE, TROPICAL LINE, WINTER LINE, and WINTER NORTH ATLANTIC LINE.

Table for SUMMER TIMBER FREEBOARD with columns for line description and corresponding freeboard. Includes rows for TROPICAL FRESH WATER Timber line, FRESH WATER, TROPICAL, WINTER, and WINTER NORTH ATLANTIC.

Checked thick 19-7-44.

Number of years recommended for load line certificate

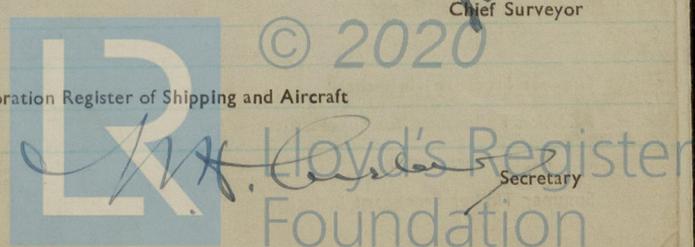
DATE of ISSUE 17-7-44
DATE of EXPIRES 16-7-49.

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

Chief Surveyor (Signature)

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

on the 2ND AUGUST, 1944



COMPUTATION OF FREEBOARD

Length on summer load line 269.08 Moulded Breadth 37.0 Moulded Depth 25.6 Depth of Keel $.62$
 Moulded displacement (ex bossing) at moulded draught of 85 per cent. of moulded depth Tons
 Co-efficient of fineness for use with tables $\frac{\Delta \times 35}{L \times B \times D \times .85} = .68$ (ASSUMED)
 Displacement and tons per inch immersion in salt water at summer load line $3005 @ 18.95 T.P.I.$
 Moulded depth 25.500 Deduction for Fresh Water $\frac{\Delta}{40 T} = 4$ inches
 Stringer Plate $.38$ Round of Beam Correction $.032$
 Sheathing on exposed deck T $(\frac{L-S}{L})$ $.250$ Ships Round of Beam 9.25 inches
 Rise of floor (in sailers) Standard Round of Beam $\frac{B \times 12}{50} = 8.88$
 Depth for Freeboard (D) 25.782 Difference $.37$
 Table Depth 17.938 Restricted to
 Depth Correction 7.844 Correction $\frac{\text{Difference}}{4} \times (1 - \frac{E}{L}) = .0925 \times 1 = .09$ OFF.

If restricted by superstructures 16.240

	Enclosed Length	Length of Overhang	Height	Mean Covered Length (S)	Height Correction	Effective Length (E)
Poop						
Raised Quarter Deck						
Bridge OPEN	92.0	3.0	7.6			
Forecastle						
Trunk Aft						
Forward						
Tonnage Opening Aft						
Forward						
Totals						

FLUSH DECK
NO ALLOWANCE FOR BRIDGE OR SCANTLING.

Standard Height of Superstructure
 " " R.Q.D.
 Percentage covered S/L =
 " " E/L =
 " 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 =
 Percentage from Table for Tankers (or Timber ships) =
 Deduction =

Station	Actual Sheer	Standard Sheer	Effective Sheer	S.M.	Product
A.P.	39	36.91	36.91	1	36.91
$\frac{1}{2}$ L from A.P.	16.5	16.42	16.42	4	65.68
$\frac{1}{2}$ L from A.P.	3.5	4.06	4.06	2	8.12
Amidships	-	-	-	4	-
$\frac{1}{2}$ L from F.P.	7.5	8.12	7.5	2	15.00
$\frac{1}{2}$ L " "	28.0	32.85	28.0	4	112.00
F.P.	60.5	73.82	60.5	1	60.50
				18	298.21

Mean Actual sheer aft = MORE THAN 1.
 Mean Actual sheer forward = LESS THAN 1.
 Length of enclosed superstructure forward of amidships = Length of Ship
 Length of enclosed superstructure aft of amidships = Length of Ship
 Sheer Correction = Difference $\times (.75 - \frac{S}{2L}) = 1.887 \times .75 = 1.42$ ON ✓
 If limited on account of midship superstructure =
 to maximum allowance of $1\frac{1}{2}$ ins. per 100 ft. =

Effective Mean Sheer = 16.567
 Standard " " $.05L + 5 = 13.454$
 Difference 1.887

TABULAR FREEBOARD corrected for flush deck if required = $36.31 + 4.04 = 40.35$
 Correction for co-efficient = 40.35 DRAUGHTS AND SEASONAL CORRECTIONS

	+	-	Sailor, Tanker, Steamer	Timber
Depth correction	16.24			
Deduction for superstructures				
Sheer correction	1.42			
Round of Beam correction		$.09$		
Correction for thickness of deck amidships				
Other corrections, scantlings, etc. TO BE MADE WITH 1906 COMPUTATION	61.08			
Summer Freeboard in inches	78.74	$.09$	78.65	
Additional allowance for superstructures on Timber carrying ships				
Summer Timber Freeboard in inches	9.11		119.00	

Depth to Freeboard Deck in feet 25.782
 Summer Freeboard in feet 9.917
 Moulded Draught (d) $15.10\frac{1}{16}$ 15.865 (d1)
 Addition for Keel $.052$
 Extreme draught 15.11 15.917
 Deduction for Tropical and addition for Winter freeboard 2.22 ins.
 Addition for Winter North Atlantic (if required) $4\frac{1}{2}$ 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 "ROCKABILL"
 NATIONALITY AND PORT OF REGISTRY BRITISH GLASGOW
 OFFICIAL NUMBER 161940

PARTICULARS OF SUPERSTRUCTURES, TRUNKS, CASINGS, DECKHOUSES

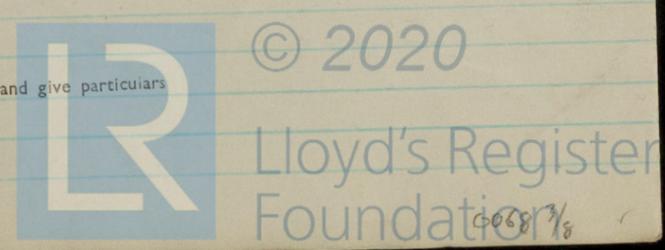
	Coaming	Plating	Stiffeners	Spacing	End Attachments	No. and size of Openings	Height of Sills	Height of Casings
Poop Bulkhead								
R.Q.D. "								
Bridge Aft Bulkhead								7.6
" Forward "								7.6
Forecastle Bulkhead								
Trunk, Aft								
" Forward								
Exposed Machinery Casings on Freeboard or R.Q. Decks								
Exposed Machinery Casings on superstructure decks								
Machinery Casings within Superstructures not fitted with Cl. 1 closing appliances	$.38$	$.2$	$3" \times 2\frac{1}{2} \times .25$	$24"$	UNATTACHED	3 P.S. $4.8' \times 2.0'$	$16"$	$7.6'$
Deckhouses on flush deck ships								

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

Poop Bulkhead	
R.Q.D. "	
Bridge Aft Bulkhead	OPEN.
" Forward "	UNFITTED NO OPENINGS.
Forecastle Bulkhead	
Exposed Machinery Casings on Freeboard or R.Q. decks	
Exposed Machinery Casings on superstructure decks	
Machinery Casings within superstructures not fitted with Cl. 1 Closing Appliances	6 HINGED DOUBLE FLAP STEEL DOORS. OPENING ONE SIDE.
Deck houses on Flush Deck ships	

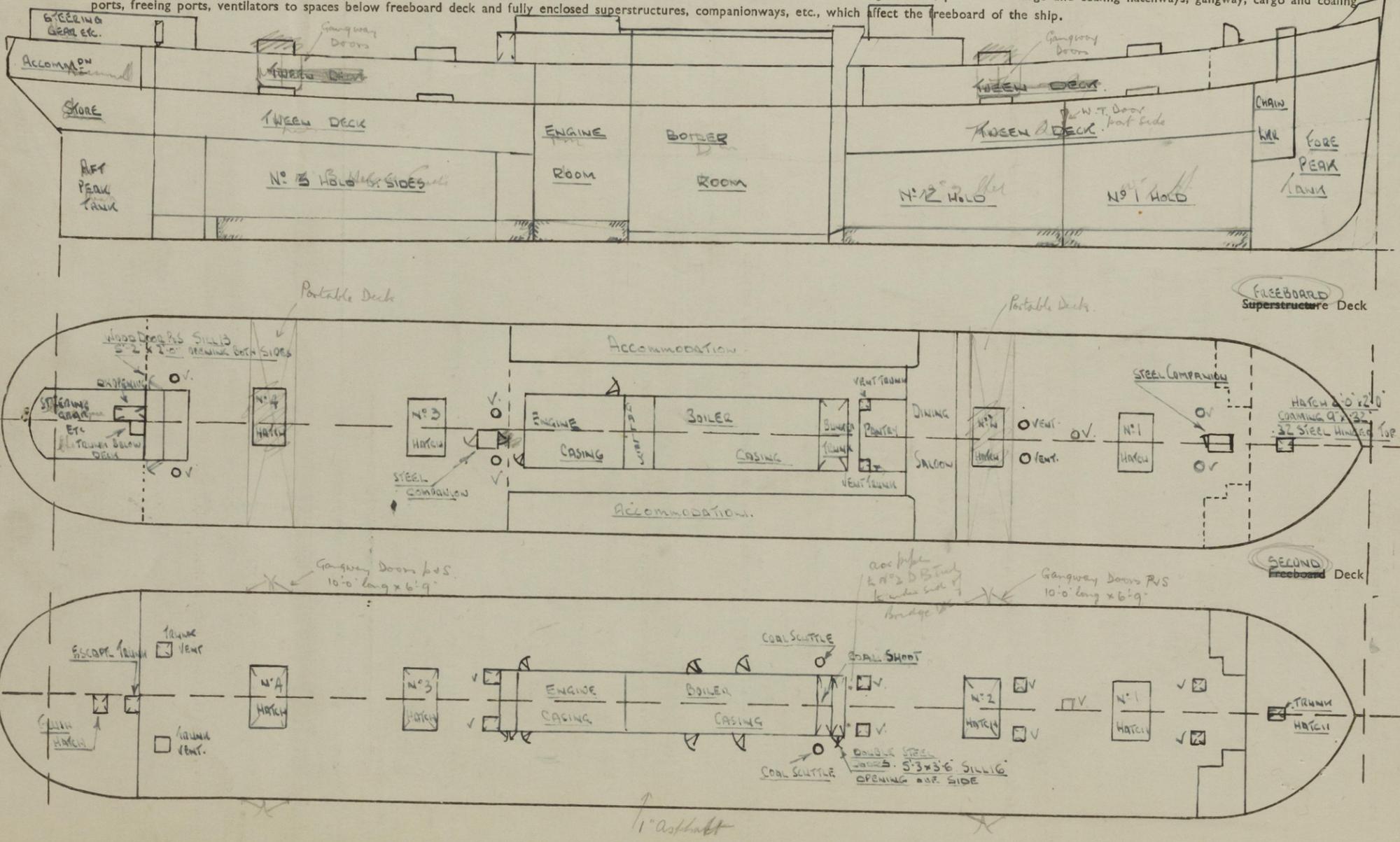
PARTICULARS OF FREEING ARRANGEMENTS

	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 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					



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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.



PARTICULARS OF ALL HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS

Number and description of Hatchway from forward	UPPER DECK				2ND DECK				
	N°1	N°2	N°3	N°4	N°1	N°2	N°3	N°4	
Dimensions of Hatchway	8'-0" x 14'-0"	8'-0" x 14'-0"	8'-0" x 14'-0"	8'-0" x 14'-0"	8'-0" x 14'-0"	8'-0" x 14'-0"	8'-0" x 14'-0"	8'-0" x 14'-0"	
COAMINGS	Height above steel deck	27"	27"	27"	11"	11"	11"	11"	
	Thickness sides	.44	.50	.44	.50	11 x 3 1/2 x 44 BA	11 x 3 1/2 x 44 BA	As N°1 2nd DK.	
	Thickness ends	.44	.50	.44	.50	11 x 3 1/2 x 44 BA	11 x 3 1/2 x 44 BA	As N°1 2nd DK.	
Stiffeners	4" x 3" x 44 B.A.	4" x 3" BA	7" x 3" BA	4" x 3" BA	-	-	-	-	
Brackets or Stays	CARRIERS FULL HT.	As 1	As 1	As 1	As 1.	As N°1	"	"	
HATCH BEAMS	Number	1	1	"	"	1	1	"	
	Spacing	4'-0"	4'-0"	"	"	4'-0"	4'-0"	"	
	Scantling and Sketch	7" x 3" x 42 12" x 3" PLATE	7" x 3" x 42 12" x 40 PL.	"	As 2	7" x 3" x 42 10" x 3" PLATE	As N°1 2nd DK	"	"
Bearing Surface and thickness of carriers or sockets	3 1/2" x 1 1/2"	3" x 3/8"	"	"	As 1	"	"	"	
FORE AND AFTERS	Number	/							
	Spacing	/							
	Unsupported lengths	/							
	Scantling and Sketch	/							
Bearing Surface and thickness of carriers or sockets	/								
HATCH COVERS	Material	W.P.	WOOD	As N°1	As N°2	As N°1	As N°1	As N°1	As N°1
	Thickness	2 1/2"	3"	"	"	"	"	"	"
	How Fitted	F & A	F & P.	"	"	"	"	"	"
	Bearing Surface	3"	3"	"	"	"	"	"	"
	Spacing of Cleats	22"	22"	"	"	"	"	"	"
Number of Tarpaulins	3	3	"	"	"	"	"	"	

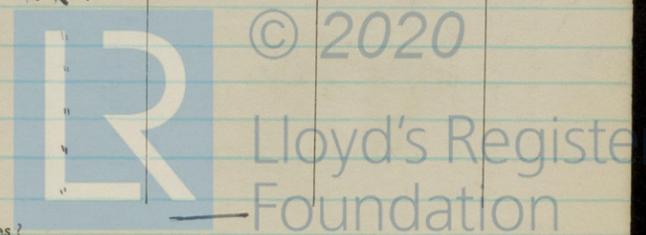
Are tarpaulins in good condition and in accordance with rule requirements? YES

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

Are lashings provided in accordance with rule requirements? LOCKING BARS

Are battens and wedges efficient and in good condition?

YES.



8/4 8900

8/5 8900

Give full particulars of the following:—

Fiddley, Funnel and Vent Coamings, Engine Room skylight and other openings in Machinery Casing tops and their means of closing (state height of coamings, type of fiddley covers, and if these are permanently attached in their proper positions)

STEEL COVERS ON E.B. CASING 1'-0" ABOVE BOAT DECK.

Flush Bunker Scuttles on freeboard and superstructure decks (state material, type of joints, etc., and if secured by hinge or permanent chain attachment)

1 - C.I. SCUTTLE P.S. ON SECOND DECK TO COAL BUNKER WITH BAYONET JOINT. CHAIN ATTACHMENT.

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)

TWO STEEL COMPANIONWAYS ONE ON FWD END UPPER DK AFT OF BREAKWATER AND ONE AFT OF ENGINE CASING. SEE SKETCH. BOTH HAVE STRONG HINGED WOOD DOOR 5' x 2' OPENING BOTH SIDES 12" SILLS.

Ventilators in exposed positions on freeboard, raised quarter and superstructure decks to spaces below freeboard decks and fully enclosed superstructures enclosed by Class 1 appliances (state height of steel coamings, pitch of rivets in deck connection, type of closing arrangements)

ON FREEBOARD DK 4 FWD, 2 AMIDSHIPS & 2 AFT TO HOLDS. 40 CMGS RIVETS SPACED 3'-4" AND CLOSED BY WOOD PLUGS & CANVAS COVERS.
ON FREEBOARD DECK AFT. C.I. SWAN NECK VENTS. 8" TO MOUTH 13" TO BEND } CANVAS COVERS.
" " " FWD " " " 31" " 36" " }
ON 2ND DECK. HOLD VENTS. TRUNKED WITH FWD INSPECTION DOOR 2'-7" x 2'-5", 20" SILL MADE W.T. BY RUBBER JOINTING & BUTTERFLY NUTS & BOLTS.

Airpipes in exposed positions on freeboard, raised quarter and superstructure decks (state height to opening and if satisfactory closing arrangements are provided)

FREEBOARD DK FWD 2 C.I. AIRPIPES 10" TO MOUTH 11" TO BEND } CANVAS COVERS
" " " AFT. 1 " " " 24" " " 26" " }

ALL AIR PIPES TO DOUBLE BOTTOM CARRIED UP TO WITHIN 7" OF UPPER DECK

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

WHERE DISCHARGING BELOW 2ND DECK, ALL FITTED WITH BRASS STORM VALVES.

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

BELOW FREEBOARD DECK (TWEEN DECKS)
FORE & AFT END ORDINARY BRASS PATTERN WITH HINGED DEADLIGHTS
AMIDSHIPS " " " NO 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)

FORE AND AFT END FREEBOARD DECK 3'-6" HIGH. 4 ROD GUARD RAILS. STEEL LOWER AMIDSHIPS.

Gangways and Lifelines

Gangway, Cargo and Coaling Ports in sides of ship

ORIGINAL GANGWAY DOORS PLATED OVER AND FRAMED AS SHELL ELSEWHERE

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

