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2087.

Form LL. 4.C. Revised

THE BRITISH CORPORATION REGISTER OF SHIPPING AND AIRCRAFT

SURVEY FOR FREEBOARD

~~HALICARNIAN BARON~~ now ~~CASSIOPEIA~~ "SHAUKIWAN"

STEAMER, ~~TANKER, SAILER~~: Ex FORT PIC — WITH / ~~WITHOUT~~ TIMBER DECK CARGO

Nationality ~~Hong Kong~~ ~~BRITISH~~ ~~GREEK~~

Port of Registry ~~LONDON~~ ~~HALIFAX N.S.~~ ~~PIRAEUS~~

Official Number 169729 ~~169729~~ ~~1500~~

Gross Tonnage 7150·29

Date of Build 11 / 1943

Particulars of Classification B.S.✱ (WITH FREEBOARD)

Type of Superstructures FLUSH DECK

Trade of Ship

Service Endorsement if any

Builders' Name and No. of Ship MARINE INDUSTRIES LTD SOREL. P.Q. No. 125.

Owners ~~DOMINION OF CANADA ON CHARTER TO M.O.W.T.~~ ACADIA OVERSEAS FREIGHTERS. HALIFAX

Mgrs J. & C. HARRISON LTD. LONDON

Port and Date of survey SOREL. DURING CONSTRUCTION

Name of Surveyor JAS. H. GREENHALGH

Names of Sister Ships POST ROYAL PARK ALGONQUIN PARK &

SUMMER FREEBOARD recommended amidships from centre of disc to top of deck line, (.....~~wood~~..... steel) — 10'-6½

			Corresponding Freeboard
TROPICAL FRESH WATER LINE above centre of disc		13½	9'-5
FRESH WATER LINE	" " "	4"	" " 9-11½
TROPICAL LINE	" " "	6½"	" " 10'-0"
WINTER LINE	below " "	6½"	" 11'-1"
WINTER NORTH ATLANTIC LINE	" " "	-	" "

SUMMER TIMBER FREEBOARD recommended amidships from top of deck line

		Corresponding Freeboard
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 19-1-44

Date of Expiry 22-11-48

D.L. Endorsement

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 2ND FEBRUARY. 1944

[Secretary

004369-004378-00043

COMPUTATION OF FREEBOARD

Length on summer load line 417'-6" Moulded Breadth 56'-10½" Moulded Depth 37'-4" Depth of Keel ¾" = .75.

Moulded displacement (ex bossing) at moulded draught of 85 per cent. of moulded depth 16562 Tons

Co-efficient of fineness for use with tables $\frac{\Delta \times 35}{L \times B \times D \times .85}$ = .7694.

Displacement and tons per inch immersion in salt water at summer load line 13780 @ 48.25.

Moulded depth		37.333	
Stringer Plate	.64	.053	
Sheathing on exposed deck T $\left(\frac{L-S}{L}\right)$		-	
Rise of floor (in sailers)		-	
Depth for Freeboard (D)		37.386	
Table Depth	L/15	37.833	
Depth Correction	3 ×	9.553	

If restricted by superstructures 28.659. ow.

	Enclosed Length	Length of Overhang	Height	Mean Covered Length (S)	Height Correction	Effective Length (E)
Poop						
Raised Quarter Deck						
Bridge		F				
		A				
Forecastle						
Trunk Aft						
,, Forward						
Tonnage Opening Aft						
,, ,, Forward						
Totals						

FLUSH DECK.

Deduction for Fresh Water $\frac{\Delta}{40\,T}$ = 7.142 inches

Round of Beam Correction

Ships Round of Beam 14.00 inches

Standard Round of Beam $\frac{B \times 12}{50}$ 13.65

Difference .35

Restricted to

Correction $\frac{\text{Difference}}{4} \times \left(1 - \frac{E}{L}\right)$ = .0875 × 1

.09 OFF.

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.	54.75	51.75	54.75	1	54.75
⅛ L from A.P.	23.5	23.03	23.50	4	94.00
⅛ L from A.P.	5.75	5.69	5.75	2	11.50
Amidships	-	-	-	4	-
⅛ L from F.P.	11.62	11.38	11.62	2	23.24
⅛ L ,, ,,	46.75	46.06	46.75	4	187.00
F.P.	105.5	103.50	105.50	1	103.50
				18	475.99

Effective Mean Sheer = 26.444

Standard ,, ,, .05L + 5 = 25.875

Difference .569

Mean Actual sheer aft = More than 1.

,, Standard ,, ,,

Mean Actual sheer forward = More than 1.

,, Standard ,, ,,

Length of enclosed superstructure forward of admidships / Length of Ship = -

Length of enclosed superstructure aft of amidships / Length of Ship = -

Sheer Correction = Difference X $\left(.75 - \frac{S}{2L}\right)$ = .569 × .75

= .4268 OFF.

If limited on account of midship superstructure =

,, to maximum allowance of 1½ ins. per 100 ft. =

TABULAR FREEBOARD corrected for flush deck if required = 77 × 6.36 = 83.26

Correction for co-efficient = 1.4494/136 = 88.74 DRAUGHTS AND SEASONAL CORRECTIONS

	+	−	
Depth correction	28.66	-	
Deduction for superstructures	-	-	
Sheer correction	-	.43	
Round of Beam correction	-	.09	
Correction for thickness of deck amidships	-	-	
Other corrections, scantlings, etc.	0.62		
	28.28	.52	27.76

Summer Freeboard in Inches 10'-6½" = 126.50

Additional allowance for superstructures on Timber carrying ships =

Summer Timber Freeboard in inches =

	~~Sailer, Tanker,~~ Steamer	Timber
Depth to Freeboard Deck in feet	37.386	
Summer Freeboard in feet	10.542	
Moulded Draught (d)	26.844	(d1)
Addition for Keel ¾" = 5/8"	.115	
Extreme draught 36'-11½"	26.959.	

Deduction for Tropical and addition for Winter freeboard d/4 = 6.71 ins.

Addition for Winter North Atlantic (if required) = . ins.

Deduction for Tropical Timber Freeboard $\frac{d\,1}{d}$ = . ins.

Addition for Winter ,, ,, $\frac{d\,1}{3}$ = . 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

"SHAVKIWAN" "CASSIOPEIA"

SHIPS NAME "FORT PIC" OFFICIAL NUMBER 169729

Nationality and Port of Registry ~~BRITISH, LONDON.~~ Hong Kong ~~Greek~~

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	-							
,, Forward ,,	-							
Forecastle Bulkhead	-							
Trunk, Aft	-							
,, Forward	-							
Exposed Machinery Casings on Freeboard or R.Q. Decks	11/32"	5/16"	3"x3"x5/16	30"	BKTS.	5'x2'	24"	10'-6"
Exposed Machinery Casings on superstructure decks								
Machinery Casings within Superstructures not fitted with Cl. 1 closing appliances								
Deckhouses on flush deck ships	5/16"	5/16"	S. 3"x3"x5/16 F. 5x3x5/16	36" 33	BKTS.		18"-24"	7'-6"

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

Poop Bulkhead	-
R.Q.D. ,,	-
Bridge Aft Bulkhead	-
,, Forward ,,	-
Forecastle Bulkhead	-
Exposed Machinery Casings on Freeboard or R.Q. decks	Hinged steel doors. Operated both sides.
Exposed Machinery Casings on superstructure decks	-
Machinery Casings within superstructures not fitted with Cl. 1 Closing Appliances	-
Deck houses on Flush Deck ships	Hinged wood doors 2" thk. Operated both sides.

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					
~~WEATHER DECK AMIDSHIPS~~	127·5'	3'-6"	4 @ 3'-0" x 9"	9 Ft.²	
~~Forward~~ Well					

State fore and aft position and height above deck to bottom of port, for each port

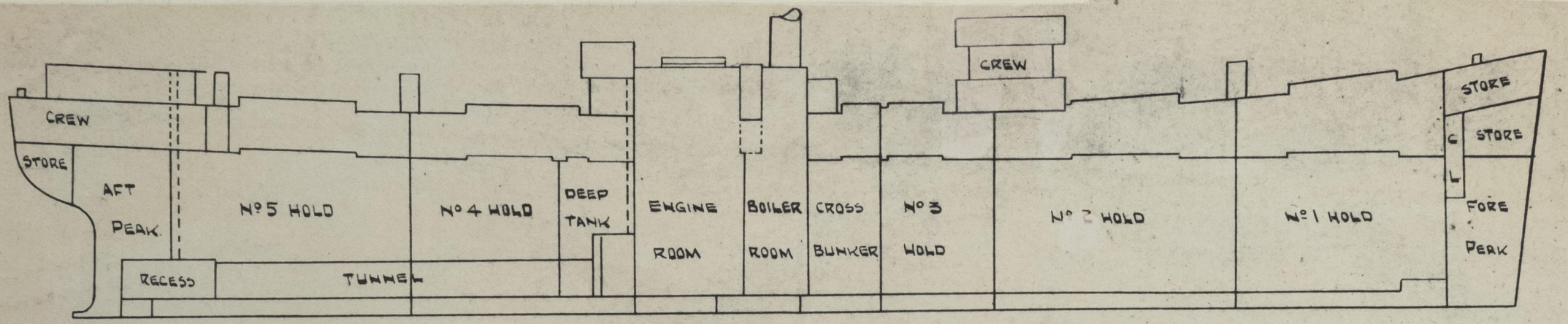
After Well

Forward Well 10"

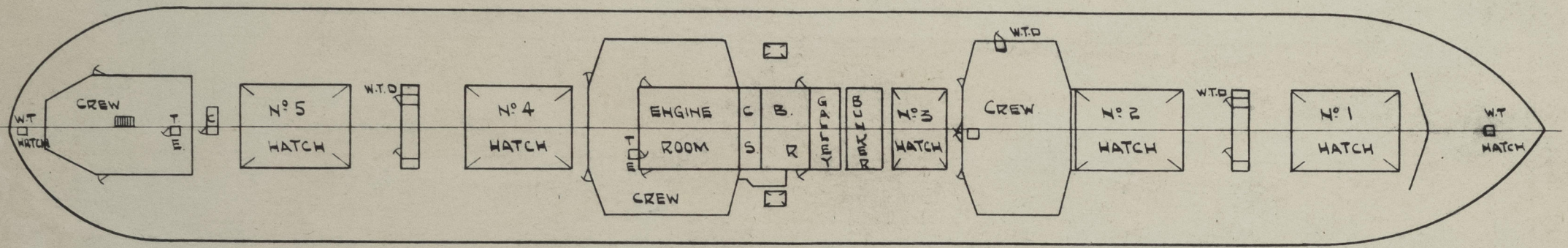
State whether freeing ports are fitted with shutters, bars or rails, and give particulars No.

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

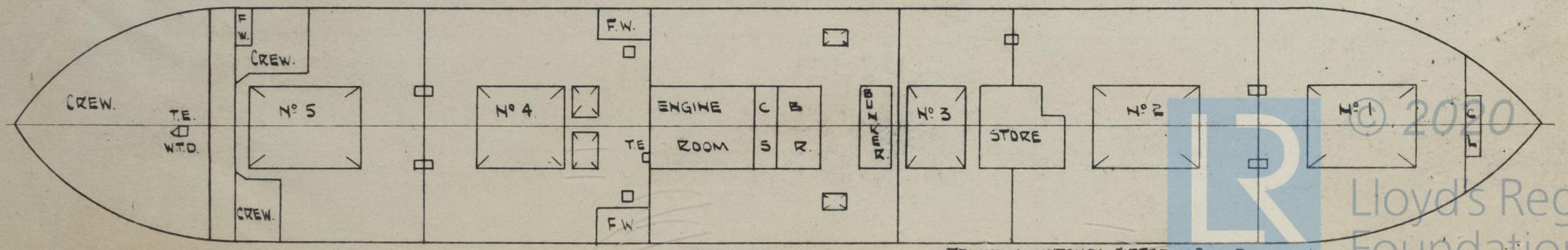
0004 3/9



PROFILE.



FREEBOARD DK.



SECOND DK.

TRIMMING HATCHES FITTED IN 2ND DK TO HOLDS — STEEL HINGED COVERS

0004 4/8

PARTICULARS OF ALL HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS

Number and description of Hatchway from forward	No.1.	2.	3.	BUNKER.	4.	5	COAL HATCH P & S.	STORE HATCH FORD.	STORE HATCH AFT.	
Dimensions of Hatchway	35'-9" x 20'	35' x 20'	15' x 20'	8' x 20'	35' x 20'	35' x 20'	7'-2½" x 4'	3'-3" x 2'-6"	1'-9" x 2'-0"	
COAMINGS — Height above steel deck	2'-6"						2'-6"	2'-0"	2'-0"	
COAMINGS — Thickness sides	7/16"	As	As	As	As	As				
COAMINGS — Thickness ends										
COAMINGS — Stiffeners	4" x 3½" x ⅜ BA	No. 1.	No. 1.	No. 1.	No. 1	No. 1.				
COAMINGS — Brackets ~~or Stays~~	11/32"									
HATCH BEAMS — Number	5	5	2	1	5	5				
HATCH BEAMS — Spacing	5'-7½"	5'-10"	4'-7" - 5'-10"	4'-0"	5'-10"	5'-10"				
HATCH BEAMS — Scantling and Sketch	18½" x 11/32	As 1	As 1	18½" x 5/16	As 1	As 1				
	5" x 3" x ⅜	"	"	5" x 3" x ⅜	"	"				
HATCH BEAMS — Bearing Surface and thickness of carriers or sockets	3½"	"	"	"	"	"				
FORE AND AFTERS — Number		As No. 1.	As No. 1.	As No. 1.	As No. 1.	As No. 1.	As 1.			
FORE AND AFTERS — Spacing										
FORE AND AFTERS — Unsupported lengths										
FORE AND AFTERS — Scantling and Sketch										
FORE AND AFTERS — Bearing Surface and thickness of carriers or sockets										
HATCH COVERS — Material	SPRUCE							FITTED WITH	FITTED WITH	
HATCH COVERS — Thickness	2⅜"							HINGED STEEL	HINGED STEEL	
HATCH COVERS — How Fitted	F. & A.						ARMSTRONG	W.T. COVER	W.T. COVER	
HATCH COVERS — Bearing Surface	3"									
Spacing of Cleats	24"									
Number of Tarpaulins	2									

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

Are lashings provided in accordance with rule requirements? LOCKING BARS FITTED

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

Are battens and wedges efficient and in good condition? YES

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)

Top of E.R. & B.R. casing 10'-6" above upper deck - fiddley gratings and E.R skylight (steel) have hinged steel covers fitted to openings, permanently secured.
Funnel secured direct to casing top.

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

Steel compn. to crew's quarters aft - 24" coaming - 2" solid wood door - operated both sides.
Entrances in deckhouse aft - 24" coaming - 2" solid wood doors - operated both sides.
Doors to pantry in ford. house - 2" solid wood - coaming 18" - operated both sides. Reinforced with portable wood strong back & storm boards.
Doors giving access to holds & tween dks. are steel, rubber jointed & with toggles operated both sides.

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)

Upper deck coamings 36" minimum - welded above & below deck.
Wood plugs & canvas covers supplied.

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

Minimum height of air pipes on upper deck 36" to bottom of bend.
Closing appliances - wood plugs secured by chain to air pipes.

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

In tween decks: 7 off storm valves from deckhouses on upper deck. Port side.
4 " " " " " " " " Stbd. "
1 - double " " accomm. in tween deck aft. P. & S.
In No. 3 hold: 1 - geared " " refrig. space in twn dk. P. & S.
Valve geared to upper deck.

All valves of brass.

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

10" brass framed side scuttles having C.I. hinged deadlights, fitted to crew accomm. aft.

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

Side scuttles aft are 36" below upper deck.

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

Bulwarks amidships & forward - guard rails (3") elsewhere - on upper deck.

Gangways and Lifelines

Lifelines supplied & fitted.

Gangway, Cargo and Coaling Ports in sides of ship

None.

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