Rpt. C.11 (Comp.).

Peartan 36184
Gimmston 35116
Barnby 36198.

Lloyd's Register of Shipping.
SURVEYS FOR FREEBOARD.
(COMPUTATION FOR STEAMER, ~~SAILING SHIP,~~ TANKER.)

Index. No. 36105.
(For London Office only)

Ship's Name	Official Number	Nationality and Port of Registry	Gross Tonnage	Date of Build
HERMISTON	165773	British Newcastle	4813	1939

Port of Survey

Date of Survey — 9.10.41

Moulded Dimensions: Length 410.00 Breadth 53.67 Depth 34.58

Surveyor's Signature

Moulded displacement at moulded draught = 85 per cent. of moulded depth _____ tons

Particulars of Classification +100A1 with freeboard.

Coefficient of fineness for use with Tables

Depth for Freeboard (D).		Depth correction.	Round of Beam correction.
Moulded depth	34.58	(a) Where D is greater than Table depth (D−Table depth) R =	Moulded Breadth (B)
Stringer plate ... .60	.05		Standard Round of Beam = $\frac{B \times 12}{50}$ =
Sheathing on exposed deck $T\left(\frac{L-S}{L}\right)$ =	✓	(b) Where D is less than Table depth (if allowed) (Table depth−D) R =	Ship's Round of Beam =
			Difference
			Restricted to
Depth for Freeboard (D) =	34.63	If restricted by superstructures	Correction = $\frac{Diff^e}{4} \times \left(1-\frac{S_1}{L}\right)$ =

DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S₁)	Height	Height Correction	Effective Length (E)
Poop enclosed					
„ overhang					
R.Q.D. enclosed ...					
„ overhang ...					
Bridge enclosed... ...					
„ overhang aft					
„ overhang forward					
F'cle enclosed	22.0	22.0	8.0'		
„ overhang					
Trunk aft					
„ forward ...					
Tonnage opening aft ...					
„ „ forward					
Total					

Standard Height of Superstructure _____

„ „ R.Q.D. _____

Deduction for complete superstructure _____

Percentage covered $\frac{S}{L}$ =

„ „ $\frac{S_1}{L}$ =

„ „ $\frac{E}{L}$ =

Percentage from Table, Line A.
(corrected for absence of forecastle (if required))

Percentage from Table, Line B.
(corrected for absence of forecastle (if required))

Interpolation for bridge less than ·2L (if required)

Deduction =

SHEER CORRECTION.

Station	Standard Ordinate	S M	Product	Actual Ordinate	Effective Ordinate	S M	Product
A.P.		1				1	
⅙L from A.P. ...		4				4	
⅔L „ ...		2				2	
Amidships ...		4				4	
⅔L from F.P. ...		2				2	
⅙L „ ...		4				4	
F.P.		1				1	
Total ...							

Mean actual sheer aft $=$
Mean standard sheer aft

Mean actual sheer forward $=$
Mean standard sheer forward

Length of enclosed superstructure forward of amidships =
L

„ „ aft of „ =

Correction = $\frac{\text{Difference between sums of products}}{18} \left(·75-\frac{S}{2L}\right)$ =

If limited on account of midship superstructure.

If limited to maximum allowance of 1½ ins. per 100 ft.

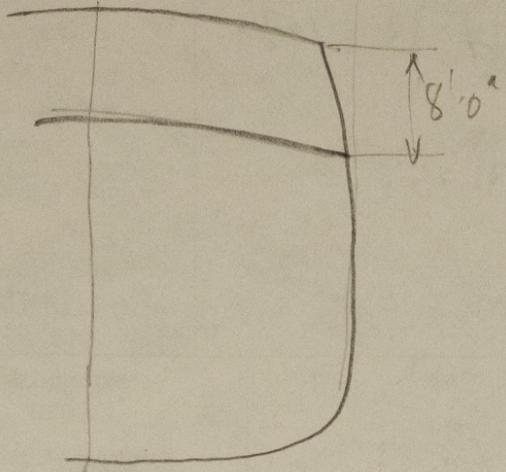| Deduction for Tropical Freeboard. Addition for Winter and Winter North Atlantic Freeboard.	Deduction for Fresh Water.	TABULAR FREEBOARD corrected for Flush Deck (if required)			
		Correction for coefficient		+	−
	Displacement in salt water at summer load water line				
	Δ =				
Ft.					
Depth to Freeboard Deck = 34.63	Tons per inch immersion at summer load water line				85°B.
Summer freeboard = 9.92	T =	Depth Correction			
Moulded draught (d) = 24.71		Deduction for superstructures			
	$\text{Deduction} = \frac{\Delta}{40\,T}$ inches	Sheer correction			
Deduction for Tropical freeboard and addition for	= 6¾	Round of Beam correction			
Winter freeboard = $\frac{d}{4}$ inches = 6.18 = 6¼		Correction for Thickness of Deck amidships			
Addition for Winter North Atlantic Freeboard (if required)=		Other corrections, scantlings, etc. ...			
		Summer Freeboard =			

SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, ~~Wood,~~ Steel, ~~Deck~~ :—

14 OCT 1941

Tropical Fresh Water Line above Centre of Disc ...	13"		Tropical Fresh Water Freeboard	9'—11"	
Fresh Water Line „ ...	6¾"		Fresh Water	8'—10"	
Tropical Line „ ...	6¼"		Tropical	9'—4¼"	
Winter Line below „ ...	6¼"		Winter	9'—4¾"	
~~Winter North Atlantic Line~~ „ ...	✓		~~Winter North Atlantic~~ ...	10'—5¼"	

10m 3.37. T.

013545-013552-0028

A new form should be prepared if any alterations that affect the freeboard have been made.   If no such alterations have been made, the Surveyor should endorse the form on this side with his signature and the date.

8'·0"

Trade of ship

Names of sister ships

Builder's name and yard number

Owners

Fee £