

# Lloyd's Register of Shipping.

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

Modification on account  
of strengthening for  
9 1/4" more draught.

## SURVEYS FOR FREEBOARD.

(COMPUTATION FOR STEAMER, ~~SAILING SHIP, TANKER~~)

Ship's Name <b>AMERICANA</b> <i>ex</i> "LAKE WINNIPEG"	Official Number 175575	Nationality and Port of Registry British Vancouver, B.C. <i>GREEK</i>	Gross Tonnage 7164	Date of Build 1944	Port of Survey Montreal, P.Q.
Moulded Dimensions: Length _____ Breadth _____ Depth _____					Date of Survey 21st December, 1949.
Moulded displacement at moulded draught = 85 per cent. of moulded depth: _____ tons					Surveyor's Signature <i>Hugh L. Walker</i>
Coefficient of fineness for use with Tables _____					Particulars of Classification *100 A1 with freeboard

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

	Mean Covered Length (S)	Equivalent Enclosed Length (S <sub>1</sub> )	Height	Height Correction	Effective Length (E)	
Poop enclosed ... ..						Standard Height of Superstructure _____
" overhang ... ..						" " R.Q.D. _____
R.Q.D. enclosed ... ..						Deduction for complete superstructure _____
" overhang ... ..						Percentage covered $\frac{S}{L} =$
Bridge enclosed ... ..						" " $\frac{S_1}{L} =$
" overhang aft ... ..						" " $\frac{E}{L} =$
" overhang forward						Percentage from Table, Line A. (corrected for absence of forecastle (if required))
Fore enclosed ... ..						Percentage from Table, Line B. (corrected for absence of forecastle (if required))
" overhang ... ..						Interpolation for bridge less than .2L (if required)
Trunk aft ... ..						Deduction =
" forward ... ..						
Tonnage opening aft ...						
" " forward						
Total ... ..						

### SHEER CORRECTION.

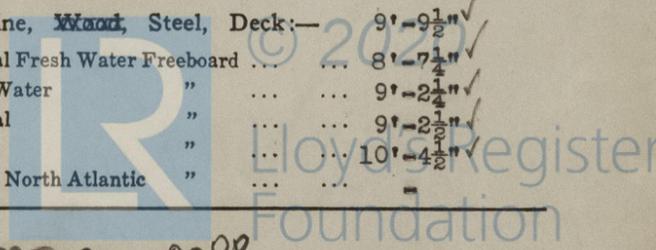
Station	Standard Ordinate	S M	Product	Actual Ordinate	Effective Ordinate	S M	Product	
A.P. ... ..		1				1		Mean actual sheer aft =
1/4L from A.P. ...		4				4		Mean actual sheer forward =
1/2L " ...		2				2		Mean standard sheer aft =
Amidships ...		4				4		Mean standard sheer forward =
1/4L from F.P. ...		2				2		Length of enclosed superstructure forward of amidships =
1/2L " ...		4				4		" " aft of " =
F.P. ... ..		1				1		
Total ... ..								

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 1 1/2 ins. per 100 ft.

Deduction for Tropical Freeboard.	Deduction for Fresh Water.	TABULAR FREEBOARD corrected for Flush Deck (if required)	83.21
Addition for Winter and Winter North Atlantic Freeboard.	Displacement in salt water at summer load water line	Correction for coefficient $\frac{771 + .68}{1.36} = \frac{1.451}{1.36}$	88.78
Depth to Freeboard Deck = 37.39 Ft.	$\Delta = 14207$ tons	Depth Correction ... ..	28.71
Summer freeboard = 9.79	Tons per inch immersion at summer load water line	Deduction for superstructures ... ..	-
Moulded draught (d) = 27.60	T = 48.4	Sheer correction ... ..	.45
Deduction for Tropical freeboard and addition for Winter freeboard = $\frac{d}{4}$ inches = $\frac{27.6}{4} = 6.9$	Deduction = $\frac{\Delta}{40T}$ inches = 7.33	Round of Beam correction ... ..	.09
Addition for Winter North Atlantic Freeboard (if required) = Not required.	= 7 1/4"	Correction for Thickness of Deck amidships ... ..	-
		Other corrections, scantlings, etc. correspond with Summer moulded draught of 27.6 feet.	.53
			29.24
			.54 + 28.70
			Summer Freeboard = 117.48

SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, <del>Wood</del> , Steel, Deck:—			
Tropical Fresh Water Line above Centre of Disc ... ..	14 1/2"	Tropical Fresh Water Freeboard ... ..	8' - 7 1/2"
Fresh Water Line " " ... ..	7 1/4"	Fresh Water " " ... ..	9' - 2 1/2"
Tropical Line " " ... ..	7"	Tropical " " ... ..	9' - 2 1/2"
Winter Line below " " ... ..	7"	Winter " " ... ..	10' - 4 1/2"
Winter North Atlantic Line " " ... ..	not assigned	Winter North Atlantic " " ... ..	



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.

Trade of ship .....

Names of sister ships .....

Builder's name and yard number .....

Owners .....

Fee £ .....

MLD



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Foundation