

# Timber Deck Bargo. ~~XXXXXX~~

## Lloyd's Register of Shipping.

### SURVEYS FOR FREEBOARD.

 Index. No. **32137**  
 (For London Office only.)

Computation of Freeboard for Steamer, Sailing Ship, Tanker					Port of Survey _____	
Having _____					Date of Survey _____	
(Type of Superstructures.) _____					Name of Surveyor _____	
Ship's Name <i>Homewood.</i>		Nationality and Port of Registry	Official Number	Gross Tonnage	Date of Build	
Moulded Dimensions: Length <i>188.17</i>		Breadth <i>30.0</i>	Depth <i>14.58</i>		Particulars of Classification <i>+ 100 A1</i>	
Moulded displacement at moulded draught = 85 per cent. of moulded depth _____ tons						
Coefficient of fineness for use with Tables _____						

<b>Depth for Freeboard (D)</b> Moulded depth ... .. Stringer plate ... .. Sheathing on exposed deck $T \left( \frac{L-S}{L} \right) =$ Depth for Freeboard (D) = <i>14.62'</i>	<b>Depth correction</b> (a) Where D is greater than Table depth (D-Table depth) R = <i>+ 3.01"</i> (b) Where D is less than Table depth (if allowed) (Table depth-D) R = _____ If restricted by superstructures _____	<b>Round of Beam correction</b> Moulded Breadth (B) _____ Standard Round of Beam = $\frac{B \times 12}{50} =$ _____ Ship's Round of Beam = _____ Difference _____ Restricted to _____ Correction = $\frac{\text{Diff}^{\circ}}{4} \times \left( 1 - \frac{S_1}{L} \right) =$ <i>- .02"</i>
---	--	--

#### DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S <sub>1</sub> )	Height	Height Correction	Effective Length (E)
Poop enclosed ... ..					
" overhang ... ..					
R.Q.D. enclosed ... ..					
" overhang ... ..					
Bridge enclosed ... ..					
" overhang aft ... ..					
" overhang forward ... ..					
Fore enclosed ... ..					
" overhang ... ..					
Trunk aft ... ..					
" forward ... ..					
Tonnage opening aft ... ..					
" " forward ... ..					
Total ... ..					

Standard Height of Superstructure \_\_\_\_\_  
 " " R.Q.D. \_\_\_\_\_

Deduction for complete superstructure *24.82*

Percentage covered  $\frac{S}{L} =$  *79.88*  
 " "  $\frac{S_1}{L} =$  *79.75*  
 " "  $\frac{E}{L} =$  *79.75*

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

Percentage from Table, Line B. *Timber 87.35%*  
 (corrected for absence of forecastle (if required)) \_\_\_\_\_

Interpolation for bridge less than .2L (if required) \_\_\_\_\_

Deduction = *24.82 x .8735 = - 21.68*

#### SHEER CORRECTION.

Station	Standard Ordinate	S	M	Product	Actual Ordinate	Effective Ordinate	S	M	Product
A.P. ... ..		1					1		
$\frac{1}{6}L$ from A.P. ... ..		4					4		
$\frac{2}{6}L$ " ... ..		2					2		
Amidships ... ..		4					4		
$\frac{2}{6}L$ from F.P. ... ..		2					2		
$\frac{1}{6}L$ " ... ..		4					4		
F.P. ... ..		1					1		
Total ... ..									

Correction =  $\frac{\text{Difference between sums of products}}{18} \left( \frac{75-S}{2L} \right) =$  *- 2.82"*

If limited on account of midship superstructure.

If limited to maximum allowance of  $1\frac{1}{2}$  ins. per 100 ft.

**Deduction for Tropical Freeboard.**  
**Addition for Winter and Winter North Atlantic Freeboard.**

Depth to Freeboard Deck = *14.62'*  
 Summer freeboard = *.17'*  
 Moulded draught (d) = *14.45'*

Deduction for Tropical freeboard and addition for

Winter freeboard =  $\frac{d}{4}$  inches = *3.61 = 3\frac{1}{2}*

Addition for Winter North Atlantic Freeboard ~~required~~  
 $\frac{d}{3} = 4.82 = 4\frac{3}{4}$

**Deduction for Fresh Water.**

Displacement in salt water at summer load water line

$\Delta =$  *1803*

Tons per inch immersion at summer load water line

$T =$  *11.49*

Deduction =  $\frac{\Delta}{40T}$  inches

= *3.94 = 4*

**TABULAR FREEBOARD** corrected for Flush Deck (if required)

Correction for coefficient

	+	-
Depth Correction ... ..	<i>3.01</i>	<i>-</i>
Deduction for superstructures ... ..	<i>-</i>	<i>21.68</i>
Sheer correction ... ..	<i>-</i>	<i>2.82</i>
Round of Beam correction ... ..	<i>-</i>	<i>.02</i>
Correction for Thickness of Deck amidships ... ..	<i>-</i>	<i>-</i>
Other corrections, scantlings, etc. ... ..	<i>54.00</i>	<i>-</i>
<b>Summer Freeboard =</b>	<i>67.01</i>	<i>24.52</i>

*22.34*

*6.4.32*

**TIMBER SUMMER FREEBOARD** amidships from ~~Centre of Disc~~ to top of Deck Line, ~~Wood, Steel~~ Deck: *4'-8" (Limited)*

Timber Tropical Fresh Water Line above Centre of Disc ... ..

" Fresh Water Line " " ... ..

" Tropical Line " " ... ..

" Winter Line below " " ... ..

" Winter North Atlantic Line " " ... ..

" Summer Line above " " ... ..

Timber Tropical Fresh Water Freeboard ... ..

" Fresh Water " " ... ..

" Tropical *(Limited)* " " ... ..

" Winter " " ... ..

" Winter North Atlantic " " ... ..

" Summer Line above " " ... ..

117 APR 1952