

# Lloyd's Register of Shipping.

## SURVEYS FOR FREEBOARD.

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

Computation of Freeboard for Steamer, Sailing Ship, Tanker

ving Standard Flush Decker.

Port of Survey \_\_\_\_\_

(Type of Superstructures.)

Date of Survey \_\_\_\_\_

Ship's Name \_\_\_\_\_

Nationality and Port of Registry \_\_\_\_\_

Gross Tonnage \_\_\_\_\_

Date of Build \_\_\_\_\_

Name of Surveyor \_\_\_\_\_

Moulded Dimensions: Length 349.4 Breadth 49.75 Depth 34.08

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

Coefficient of fineness for use with Tables

734 assumed

Particulars of Classification \_\_\_\_\_

Depth for Freeboard (D)

Depth correction

Round of Beam correction

Moulded depth ... .. 34.08

... .. .04

Exposed deck

) =

Depth for Freeboard (D) = 34.12

(a) Where D is greater than Table depth

(D - Table depth) R =

(34.12 - 23.29) 2.688

(b) Where D is less than Table depth (if allowed)

(Table depth - D) R =

29.11

If restricted by superstructures

Moulded Breadth (B)

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

Ship's Round of Beam =

Difference

Restricted to

Correction =  $\frac{\text{Diff}}{4} \times \left(1 - \frac{S_1}{L}\right) =$

### 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 ... ..					
F'cle enclosed ... ..					
" overhang ... ..					
ak aft ... ..					
forward ... ..					
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
...		1					1		
A.P. ...		4					4		
" ...		2					2		
midships ...		4					4		
L from F.P. ...		2					2		
L " ...		4					4		
P.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  $1\frac{1}{2}$  ins. per 100 ft.

Deduction for Tropical Freeboard.

Addition for Winter and Winter North Atlantic Freeboard.

Depth to Freeboard Deck = Ft.

Summer freeboard =

Moulded draught (d) =

uction for Tropical freeboard and addition for

Winter freeboard =  $\frac{d}{4}$  inches =

Addition for Winter North Atlantic Freeboard (if required) =

Deduction for Fresh Water.

Displacement in salt water at summer load water line

$\Delta =$

Tons per inch immersion at summer load water line

T =

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

TABULAR FREEBOARD corrected for Flush Deck (if required)

Correction for coefficient  $\frac{734 + 68}{1.36} = \frac{1.414}{1.36}$

Depth Correction ... .. 29.11

Deduction for superstructures ... .. ✓

Sheer correction ... .. ✓

Round of Beam correction ... .. ✓

Correction for Thickness of Deck amidships ... .. ✓

Other corrections, scantlings, etc. ... .. ✓

29.11 ✓ + 29.11

Summer Freeboard = 87.68

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

Tropical Fresh Water Line above Centre of Disc ... ..  
Fresh Water Line " " ... ..  
Tropical Line " " ... ..  
Winter Line below " " ... ..  
Winter North Atlantic Line " " ... ..

Tropical Fresh Water Freeboard ... ..  
Fresh Water " " ... ..  
Tropical " " ... ..  
Winter " " ... ..  
Winter North Atlantic " " ... ..

7'-3 $\frac{3}{4}$ "



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