

Lloyd's Register of Shipping.  
SURVEYS FOR FREEBOARD.Index. No. \_\_\_\_\_  
(For London Office only.)

Computation of Freeboard for Steamer, Sailing Ship, Tanker—					Port of Survey _____
having	as	F.S.	with	100% SS.	Date of Survey _____
		F.S.	(Type of Superstructures.)	(No F.D. Penalty)	Name of Surveyor _____
Ship's Name	Nationality and Port of Registry	Official Number	Gross Tonnage	Date of Build	Particulars of Classification _____
Sir James Black Ross					
Moulded Dimensions: Length 535.25 Breadth 74.0 Depth 48.75					
Moulded displacement at moulded draught = 85 per cent. of moulded depth _____ tons					
Coefficient of fineness for use with Tables 846					

<b>Depth for Freeboard (D)</b>	<b>Depth correction</b>	<b>Round of Beam correction</b>
Moulded depth ... ..	(a) Where D is greater than Table depth (D—Table depth) R =	Moulded Breadth (B)
Stringer plate ... ..	(1881—35.68)3. ... + 39.39	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 =
Depth for Freeboard (D) = 48.81	If restricted by superstructures	Difference
		Restricted to
		Correction = $\frac{\text{Diff}^e}{4} \times \left( 1 - \frac{S_1}{L} \right) =$

## 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 ... ..					
Trunk aft ... ..					
„ forward ... ..					
Tonnage opening aft ... ..					
„ „ forward ... ..					
Total ... ..					

Standard Height of Superstructure \_\_\_\_\_  
„ „ R.Q.D. \_\_\_\_\_  
Deduction for complete superstructure 42.0  
Percentage covered  $\frac{S}{L} =$   
„ „  $\frac{S_1}{L} =$   
„ „  $\frac{E}{L} = 100.00$   
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 = -42.0

## 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 ... ..									

Mean actual sheer aft =  
Mean standard sheer aft =  
Mean actual sheer forward =  
Mean standard sheer forward =  
Length of enclosed superstructure forward of amidships =  
„ „ 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.

<b>Deduction for Tropical Freeboard.</b> <b>Addition for Winter and Winter North Atlantic Freeboard.</b>	<b>Deduction for Fresh Water.</b>	<b>TABULAR FREEBOARD</b> corrected for Flush Deck (if required)
Depth to Freeboard Deck = 48-9 $\frac{3}{4}$	Displacement in salt water at summer load water line	Correction for coefficient
Summer freeboard = 10-3 $\frac{1}{2}$	$\Delta =$	
Moulded draught (d) = 38-6 $\frac{1}{4}$	Tons per inch immersion at summer load water line	
Deduction for Tropical freeboard and addition for Winter freeboard = $\frac{d}{4}$ inches =	T =	
Addition for Winter North Atlantic Freeboard (if required) =	Deduction = $\frac{\Delta}{40T}$ inches =	

Depth Correction ... .. 39.39  
Deduction for superstructures ... .. 42.0  
Sheer correction ... ..  
Round of Beam correction ... ..  
Correction for Thickness of Deck amidships ... ..  
Other corrections, scantlings, etc. ... ..  
Summer Freeboard = 123.46

## 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	„

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