Flush Deck. Full Scantling

Lloyd's Register of Shipping.
SURVEYS FOR FREEBOARD.

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

Computation of Freeboard for Steamer, Sailing Ship, Tanker

...aving _____

Port of Survey _____

(Type of Superstructures.)

Date of Survey _____

Ship's Name	Nationality and Port of Registry	Official Number	Gross Tonnage	Date of Build
MALINI				

Name of Surveyor _____

Moulded Dimensions: Length 223   Breadth 35.5   Depth 20'

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

Particulars of Classification _____

Coefficient of fineness for use with Tables .738

Depth for Freeboard (D)

...ed depth	20.00	
...er plate	.03	
...ing on exposed deck $\left(\frac{L-8}{L}\right)$ =		
Depth for Freeboard (D) =	20.03	

Depth correction

(a) Where D is greater than Table depth
(D—Table depth) R =

$(20.03 - 14.87) \, 1.715 = +8.85$

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

DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S₁)	Height	Height Correction	Effective Length (E)
...oop enclosed					
,, overhang... ...					
...Q.D. enclosed ...					
,, overhang ...					
...ridge enclosed... ...					
,, overhang aft ...					
,, overhang forward					
...'cle enclosed					
,, overhang					
...runk aft					
,, forward					
...onnage opening aft ...					
,, ,, forward					
Total					

Flush Deck

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.

...tation	Standard Ordinate	S M	Product	Actual Ordinate	Effective Ordinate	S M	Product
... ...		1				1	
...m A.P. ...		4				4	
... ...		2				2	
...hips ...		4				4	
...m F.P. ...		2				2	
... ...		4				4	
... ...		1				1	
Total ...							

$\frac{\text{Mean actual sheer aft}}{\text{Mean standard sheer aft}}$ =

$\frac{\text{Mean actual sheer forward}}{\text{Mean standard sheer forward}}$ =

$\frac{\text{Length of enclosed superstructure}}{L}$ forward of amidships =

,, ,, aft of ,, =

...orrection = $\frac{\text{Difference between sums of products}}{18} \left(\cdot75 - \frac{S}{2L}\right)$ = ~~Standard~~ ✓

...limited on account of midship superstructure.

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

...ction for Tropical Freeboard.
...tion for Winter and Winter North ...antic Freeboard.

Ft.

...Depth to Freeboard Deck =

Summer freeboard =

Moulded draught (d) =

...sion for Tropical freeboard and addition for ...inter freeboard = $\frac{d}{4}$ inches =

...on for Winter North Atlantic Freeboard (if ...quired)=

Deduction for Fresh Water.

Displacement in salt water at summer load water line

Δ =

Tons per inch immersion at summer load water line

T =

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

TABULAR FREEBOARD corrected for Flush Deck (if required)

27.17

Correction for coefficient $\frac{.738 + .680}{1.36} = \frac{1.416}{1.36}$ 28.33

	+	−
Depth Correction	8.85	—
Deduction for superstructures	—	—
Sheer correction	—	—
Round of Beam correction	—	—
Correction for Thickness of Deck amidships ...	—	—
Other corrections, scantlings, etc.	—	—
	8.85	− + 8.85

J.M.M

Summer Freeboard = 37.18

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

3-1¼

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