

MAY 1932

Index No. 28047
(For London Office only.)

Rpt. C.11.

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

Computation of Freeboard for Steamer, Sailing Ship, Tanker

having Namagualand
GLoucester City

~~MOORISH PRINCE~~ (Type of Superstructures.)

Ship's Name Cyprian Prince Nationality and Port of Registry British Bristol Official Number Gross Tonnage Date of Build

Moulded Dimensions: Length Breadth Depth

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

Coefficient of fineness for use with Tables

Port of Survey

Date of Survey

Name of Surveyor

Particulars of Classification

Depth for Freeboard (D)	Depth correction	Round of Beam correction
Moulded depth ...	(a) Where D is greater than Table depth (D - Table depth) R =	Moulded breadth (B)
Stringer plate ...		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 =
		Difference
		Restricted to
Depth for Freeboard (D) = <u>25.54</u>	If restricted by superstructures	Correction = $\frac{\text{Diff}}{4} \times \left(1 - \frac{S_1}{L} \right) =$

DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	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 27.37

Percentage covered $\frac{S}{L} =$

„ „ $\frac{S_1}{L} =$

„ „ $\frac{E}{L} = 48.63\%$

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

Percentage from Table, Line B. 68.39%
(corrected for absence of forecastle (if required))

Interpolation for bridge less than 2L (if required)

Deduction = 27.37 x .6839 = 18.71

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		
$\frac{3}{6}$ L from F.P. ...		2					2		
$\frac{4}{6}$ 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 = $\frac{\text{Difference between sums of products}}{18} \left(.75 - \frac{S}{2L} \right) = -2.21$

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.	Deduction for Fresh Water.	TABULAR FREEBOARD corrected for Flush Deck (if required)
Addition for Winter and Winter North Atlantic Freeboard.	Displacement in salt water at summer load water line	Correction for coefficient
Depth to Freeboard Deck = <u>25.54</u>	$\Delta = 7656$	Depth Correction ... <u>8.90</u>
Summer freeboard = <u>2.94</u>	Tons per inch immersion at summer load water line	Deduction for superstructures ... <u>25.56</u>
Moulded draught (d) = <u>22.60</u>	T = <u>30.44</u>	Sheer correction ... <u>2.21</u>
Deduction for Tropical freeboard and addition for Winter freeboard = $\frac{d}{4}$ inches = <u>5.65 = 5$\frac{3}{4}$</u>	Deduction = $\frac{\Delta}{40T}$ inches = <u>6.23</u>	Round of Beam correction ... <u>.11</u>
Addition for Winter North Atlantic Freeboard (if required) = $\frac{4}{3} = 1.33 = 1\frac{1}{2}$	= <u>6$\frac{1}{4}$</u>	Correction for Thickness of Deck amidships ...
		Other corrections, scantlings, etc. ...
		Summer Freeboard = <u>35.5</u>

13 MAY 1932

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

Timber	Tropical Fresh Water Line above Centre of Disc	Fresh Water Line	Tropical Line	Winter Line	Winter North Atlantic Line
2' 0 $\frac{3}{4}$	1' 6 $\frac{3}{4}$	1' 6 $\frac{3}{4}$	5"	5 $\frac{1}{2}$ "	1' 0 $\frac{1}{2}$ "

Summer line above

Timber Tropical Fresh Water Freeboard ...

Fresh Water

Tropical

Winter

Winter North Atlantic

MARKING FORM

RE