

DISCLOSED SEC 1109923  
Index. No. 29923  
(For London Office only.)  
No 386  
Lloyd's Register of Shipping.  
SURVEYS FOR FREEBOARD.

Computation of Freeboard for Steamer, Sailing Ship, Tanker

ving Flush deck (No flush deck)

(Type of Superstructures.)

Port of Survey

Date of Survey 19. 2. 35

Name of Surveyor

Ship's Name Victor Marn. Nationality and Port of Registry Official Number Gross Tonnage Date of Build

Moulded Dimensions: Length 384.6 Breadth 51.83 Depth 36.00

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

Coefficient of fineness for use with Tables .828

Particulars of Classification +100 A1  
Flush deck with fbr.

Depth for Freeboard (D)

Moulded depth ... .. 36.00

Stringer plate ... .. .04

Sheathing on exposed deck

$T \left( \frac{L-S}{L} \right) =$  ✓

Depth for Freeboard (D) = 36.04

Depth correction 1.40

(a) Where D is greater than Table depth ✓  
(D-Table depth) R = (36.04 - 25.64) 2.959  
= + 30.77." ✓

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

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

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 = Nul

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 =  $\frac{\text{Difference between sums of products}}{18} \left( .75 - \frac{S}{2L} \right) =$  Nul

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 = 36.04 Ft.

Summer freeboard = 8.73

Moulded draught (d) = 27.31

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

TABULAR FREEBOARD corrected for Flush Deck (if required)

Correction for coefficient  $\frac{.828 + .68}{1.36} = \frac{1.508}{1.36}$

	+	-
Depth Correction ... ..	<u>30.77</u>	✓
Deduction for superstructures ... ..	-	-
Sheer correction ... ..	-	-
Round of Beam correction ... ..	-	-
Correction for Thickness of Deck amidships ... ..	-	-
Other corrections, scantlings, etc. ... ..	-	-
	<u>30.77</u>	-
Summer Freeboard =		<u>104.82</u>

66.78 ✓

714.05 ✓

878

19-2-35

+ 30.77 ✓

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

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 „ „ ... ..

Summer Moulded Draught = 27.31 - 24.4



# SURVEYS FOR FREEBOARD.

## Lloyd's Register of Shipping.

Mld. Depth = 36.00

$$\begin{array}{rcl}
 \text{Coeff. @ } 66.10\% & = & .885 \\
 \text{Diff } \frac{.18.90}{.88.00} \times .012 & + & .023 \\
 \hline
 & = & .828
 \end{array}$$



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