

TIMBER W N A

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

 Index. No. 24994
 (For London Office only.)

Computation of Freeboard for Steamer, Sailing Ship, Tanker

having

Poop, Bridge & Forecastle

Port of Survey

EVERITA

(Type of Superstructures.)

Date of Survey

Ship's Name

Nationality and Port of Registry

Official Number

Gross Tonnage

Date of Build

Name of Surveyor

Moulded Dimensions: Length 335Breadth 47.80Depth 24.83

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

tons

Coefficient of fineness for use with Tables

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 =	
Depth for Freeboard (D) =				If restricted by superstructures		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 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

6.85

" " R.Q.D.

✓

Deduction for complete superstructure

37.67Percentage covered $\frac{S}{L} =$ 50.06" " $\frac{S_1}{L} =$ 49.62" " $\frac{E}{L} =$ 49.62Percentage from Table, Line A. Timber

(corrected for absence of forecastle (if required))

69.01

Percentage from Table, Line B.

(corrected for absence of forecastle (if required))

Interpolation for bridge less than 2L (if required)

Deduction = 37.67 × 69.01 = -26.00

SHEER CORRECTION.

Station	Standard Ordinate	S M	Product	Actual Ordinate	Effective Ordinate	S M	Product
A.P. ...		1				1	
L from A.P. ...		4				4	
L " ...		2				2	
amidships ...		4				4	
$\frac{3}{4}$ L from F.P. ...		2				2	
$\frac{1}{4}$ L " ...		4				4	
F.P. ...		1				1	
Total ...							

Mean actual sheer aft = ExcessMean actual sheer forward = Excess

Length of enclosed superstructure forward of amidships =

" " aft of " =

Correction = $\frac{\text{Difference between sums of products}}{18} \left(\frac{75-S}{2L} \right) =$ - .94

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 = 24.87Summer freeboard = 3.02Moulded draught (d) = 21.85

Deduction for Tropical freeboard and addition for

Winter freeboard = $\frac{d}{4}$ inches = 5.46-55

Addition for Winter North Atlantic Freeboard (if

required) = $\frac{d}{3} = 7.28 = 7\frac{1}{4}$

Deduction for Fresh Water.

Displacement in salt water at summer load water line

 $\Delta = 7997$

Tons per inch immersion at summer load water line

T = 32.397Deduction = $\frac{\Delta}{40 T}$ inches= 6.176 1/4

TABULAR FREEBOARD corrected for Fresh Deck (if required)

Correction for coefficient

Depth Correction ...

Deduction for superstructures ...

Sheer correction ...

Round of Beam correction ...

Correction for Thickness of Deck amidships

Other corrections, scantlings, etc. ...

	+	-
Depth Correction	6.55	
Deduction for superstructures		26.00
Sheer correction		.94
Round of Beam correction		.07
Correction for Thickness of Deck amidships		
Other corrections, scantlings, etc.		
	6.55	27.01

Summer Freeboard = 36.3SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, Wood, Steel, Deck: 92 1/4 3' 0 1/4"Tropical Fresh Water Line above Centre of Disc 604 1/4 23 3/4Fresh Water Line " 464 1/4 18 1/4Tropical Line " 445 1/4 17 1/2Winter Line " 121 1/4 4 3/4Winter North Atlantic Line " 146 1/4 5 3/4Summer " 305 1/4 12

Tropical Fresh Water Freeboard ...

Fresh Water " ...

Tropical " ...

Winter " ...

Winter North Atlantic " ...

RECEIVED

RECEIVED

PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS										
Description of Hatchway										
Dimensions of Hatchway										
COAMINGS	{	Height above Deck ...								
		Thickness { Sides ...								
		Ends ...								
		Stiffeners								
		Brackets, Stays ...								
HATCH BEAMS	{	Number								
		Spacing								
		Scantling and Sketch ...								
		Bearing Surface								
FORE AND AFTERS	{	Number								
		Spacing								
		Unsupported Lengths ...								
		Scantling* and Sketch ...								
		Bearing Surface								
HATCH COVERS	{	Material								
		Thickness								
		How fitted								
		Bearing Surface								
Spacing of Cleats										
Number of Tarpaulins										
<p>*Are wood fore and afters steel shod at all bearing surfaces ?</p> <p>Are battens and wedges efficient and in good condition ?</p> <p>Are tarpaulins in good condition and in accordance with rule requirements ?</p> <p>Are lashings provided in accordance with rule requirements ?</p>										

Particulars of fiddley, funnel and ventilator coamings :—

Particulars of Flush Bunker Scuttles :—

Particulars of Companionways :—

M. Deck	21.85	Δ @ 22.17	80.55
Keel	1.17	21.17	76.66
	<u>22.02</u>		<u>1389</u>
		Δ @ 22.02	7666
			<u>331</u>
			<u>7997</u>

T.P. 1
32.40
32.38
Amic
L fr
L
L
P.

Particulars of Ventilators in exposed positions on freeboard and superstructure decks :—

Particulars of Air Pipes in exposed positions on freeboard, raised quarter, or superstructure decks :—

Particulars of Gangway Cargo and Coaling Ports :—



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