

As a Cargo Vessel
Lengthened 32.48'

Lloyd's Register of Shipping.
SURVEYS FOR FREEBOARD.
(COMPUTATION FOR STEAMER, SAILING SHIP, TANKER.)

Ship's Name <i>Willelm Barendsz.</i>	Official Number	Nationality and Port of Registry	Gross Tonnage	Date of Build	Port of Survey
Moulded Dimensions: Length <i>519.98</i> Breadth <i>64.00</i> Depth <i>39.99</i>					Date of Survey <i>13.6.49.</i>
Moulded displacement at moulded draught = 85 per cent. of moulded depth _____ tons					Surveyor's Signature
Coefficient of fineness for use with Tables <i>.834</i>					Particulars of Classification

DEPTH FOR FREEBOARD (D). Moulded depth <i>39.99</i> Stringer plate <i>.06</i> Sheathing on exposed deck $T \left(\frac{L-S}{L} \right) =$ Depth for Freeboard (D) = <i>40.05</i>	DEPTH CORRECTION. (a) Where D is greater than Table depth (D-Table depth) R = <i>(40.05-39.99) = +.06</i> (b) Where D is less than Table depth (if allowed) (Table depth-D) R = <i>5.38</i> 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 = <i>Standard.</i> Difference Restricted to Correction = $\frac{\text{Diff}^c}{4} \times \left(1 - \frac{S_1}{L} \right) =$ <i>N.L.</i>
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DEDUCTION FOR SUPERSTRUCTURES.					Standard Height of Superstructure <i>7.50</i> ✓	
	Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	Height Correction	Effective Length (E)	" " R.Q.D. ✓
Poop enclosed						Deduction for complete superstructure <i>42.00</i> ✓
" overhang						Percentage covered $\frac{S}{L} =$
R.Q.D. enclosed						" " $\frac{S_1}{L} =$ <i>40%</i> ✓
" overhang						" " $\frac{E}{L} =$
Bridge enclosed						Percentage from Table, Line A. <i>23.50</i> ✓
" overhang aft						(corrected for absence of forecastle (if required))
" overhang forward						Percentage from Table, Line B. <i>27.50</i> ✓
F'cle enclosed						(corrected for absence of forecastle (if required))
" overhang						Interpolation for bridge less than .2L (if required) <i>25.50</i> ✓
Trunk aft						Deduction = <i>42.00 × .255 = 10.71</i> ✓
" forward						
Tonnage opening aft						
" " forward						
Total						

SHEER CORRECTION.							
Station	Standard Ordinate	S M	Product	Actual Ordinate	Effective Ordinate	S M	Product
A.P.		1				1	
$\frac{1}{4}$ L from A.P.		4				4	
$\frac{2}{4}$ 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							

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

If limited on account of midship superstructure.

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 " =

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

Deduction for Tropical Freeboard. Addition for Winter and Winter North Atlantic Freeboard. Ft. Depth to Freeboard Deck = <i>40.05</i> Summer freeboard = <i>10.48</i> Moulded draught (d) = <i>29.57</i> 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 <i>.834468</i> <i>1.36</i> Depth Correction <i>16.14</i> Deduction for superstructures <i>10.71</i> Sheer correction Round of Beam correction Correction for Thickness of Deck amidships Other corrections, scantlings, etc. Summer Freeboard = <i>125.76</i> <i>10.48</i>
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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 = *29.57*

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