

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

(COMPUTATION FOR STEAMER, ~~SAILING SHIP, TANKER.~~)

Ship's Name 'ODDEVOLD'	Official Number 4611	Nationality and Port of Registry Swedish, Ekeholm.	Gross Tonnage 1186	Date of Build 6/1813	Port of Survey Sölvesborg
Moulded Dimensions: Length 224.5 Breadth 33.8 Depth 17.5					Date of Survey 20.10.42
Moulded displacement at moulded draught = 85 per cent. of moulded depth 2595 tons					Surveyor's Signature
Coefficient of fineness for use with Tables .805					Particulars of Classification + 100 A1

Depth for Freeboard (D). Moulded depth 17.5 Water plate .03 Rounding on exposed deck $T \left(\frac{L-S}{L} \right) =$ Depth for Freeboard (D) = 17.53	Depth correction. (a) Where D is greater than Table depth (D—Table depth) R = + 4.44" (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 = $\frac{\text{Difference}}{4} \times \left(1 - \frac{S_1}{L} \right) =$ + .22"
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DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	Height Correction	Effective Length (E)
Superstructure enclosed					
» overhang					
R.Q.D. enclosed					
» overhang					
Bridge enclosed					
» overhang aft					
» overhang forward					
Forecastle enclosed					
» overhang					
Trunk aft					
» forward					
Tonnage opening aft					
» forward					
Total					

Standard Height of Superstructure R.Q.D. **28.45"**

Deduction for complete superstructure **28.45"**

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

» $\frac{S_1}{L} =$

» $\frac{E}{L} =$ **71.76**

Percentage from Table, Line A. **82.86**
(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 = **28.45 x .8286 = 23.49"**

SHEER CORRECTION.

Station	Standard Ordinate	S	M	Product	Actual Ordinate	Effective Ordinate	S	M	Product
P.		1					1		
1/2 L from A.P. ...		4					4		
1/4 L " ...		2					2		
amidships		4					4		
1/4 L from F.P. ...		2					2		
1/2 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 =
L

» aft of » =

Correction = $\frac{\text{Difference between sums of products}}{18} \left(.75 - \frac{S}{2L} \right) =$ **+ .04**

If limited on account of midship superstructure.

If limited to maximum allowance of 1 1/2 ins. per 100 ft.

Deduction for Tropical Freeboard. Addition for Winter and Winter North Atlantic Freeboard. Depth to Freeboard Deck = 17.53 Summer freeboard = .97 Moulded draught (d) = 16.56 Deduction for Tropical freeboard and addition for Winter freeboard = $\frac{d}{4}$ inches = 4.14 = 105% Addition for Winter North Atlantic Freeboard (if required) = 16.56/3 = 5.52 = 140%	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 $\frac{d}{4} = 4.14 = 105\%$	TABULAR FREEBOARD corrected for Flush Deck (if required) 27.45" Correction for coefficient 29.97" Depth Correction 4.44 Deduction for superstructures .04 Sheer correction .22 Round of Beam correction .50 Correction for Thickness of Deck amidships ... Other corrections, scantlings, etc. for absence of hood on raised quarter deck. Summer Freeboard = 11.68"
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SUMMER FREEBOARD andships from Centre of Disc to top of Deck Line, Wood, Steel, Deck:—			
Timber	Tropical Fresh Water Line above Centre of Disc	32.37	Tropical Fresh Water Freeboard
"	Fresh Water Line	21.8	Fresh Water
"	Tropical Line	21.8	Tropical
"	Winter Line below	27	Winter
"	Winter North Atlantic Line	15.3	Winter North Atlantic
"	Summer	113	

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A new form should be prepared if any alterations that affect the freeboard have been made. If no such alterations have been made, the Surveyor should endorse the form on this side with his signature and the date.

Trade of ship

General.

Names of sister ships

Builder's name and yard number

J. P. Austin & Son, Sunderland, Yard No. 142.

Owners

J. Schander (Ingolf Schander, Mgr), Elleholm.

Fee £



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