

*Mr Fank added
tanker*

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

Ship's Name <i>William Barnes</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>38.4</i> <i>ft</i>					Date of Survey <i>14.6.19</i>
Moulded displacement at moulded draught = 85 per cent. of moulded depth _____ tons					Surveyor's Signature
Coefficient of fineness for use with Tables <i>.83</i>					Particulars of Classification

DEPTH FOR FREEBOARD (D). Moulded depth <i>38.4</i> Stringer plate <i>.06</i> Sheathing on exposed deck $T \left(\frac{L-S}{L} \right) =$ Depth for Freeboard (D) = <i>38.46</i>	DEPTH CORRECTION. (a) Where D is greater than Table depth (D - Table depth) R = <i>38.46 - 34.77 = 3.69</i> (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 = $\frac{\text{Diff}}{4} \times \left(1 - \frac{S_1}{L} \right) =$
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DEDUCTION FOR SUPERSTRUCTURES.					Standard Height of Superstructure _____	
	Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	Height Correction	Effective Length (E)	" " R.Q.D. _____
Poop enclosed						Deduction for complete superstructure _____
" overhang						Percentage covered $\frac{S}{L} =$
R.Q.D. enclosed						" " $\frac{S_1}{L} =$
" overhang						" " $\frac{E}{L} =$
Bridge enclosed						Percentage from Table, Line A.
" overhang aft						(corrected for absence of fore-castle (if required))
" overhang forward						Percentage from Table, Line B.
F'cle enclosed						(corrected for absence of fore-castle (if required))
" overhang						Interpolation for bridge less than .2L (if required)
Trunk aft						Deduction = <i>13.02</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		
$\frac{1}{8}L$ from A.P.		4					4		
$\frac{2}{8}L$ "		2					2		
Amidships		4					4		
$\frac{3}{8}L$ from F.P.		2					2		
$\frac{4}{8}L$ "		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 $1\frac{1}{2}$ ins. per 100 ft.									

Deduction for Tropical Freeboard. Addition for Winter and Winter North Atlantic Freeboard. Depth to Freeboard Deck = <i>38.46</i> Ft. Summer freeboard = <i>8.39</i> Moulded draught (d) = <i>30.07</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 Depth Correction <i>11.37</i> Deduction for superstructures <i>13.02</i> Sheer correction Round of Beam correction Correction for Thickness of Deck amidships Other corrections, scantlings, etc. Summer Freeboard = <i>100.61</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 " "	