

TIMBER ASSIGNMENT.

For LONDON OFFICE ONLY

LLOYD'S REGISTER OF SHIPPING
UNITED WITH THE BRITISH CORPORATION REGISTER
SURVEYS FOR FREEBOARDReceived
Index No.
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SAN FRANCISCO

(COMPUTATION FOR STEAMER, SAILING SHIP, TANKER)

Ship's Name MERCIA	Official Number	Nationality and Port of Registry SWEDISH Panama JONSTOR	Gross Tonnage 36.7	Date of Build 1930	Port of Survey
Moulded Dimensions: Length 349.25' Breadth 50.0' Depth 25.75'					Date of Survey 22-9-52
Freeboard Length					Surveyor's Signature
Moulded displacement at moulded draught = 85 per cent. of moulded depth (excluding bossing) tons					Particulars of Classification B5*
Coefficient of fineness for use with Tables .7767					

DEPTH FOR FREEBOARD (D).	DEPTH CORRECTION.	ROUND OF BEAM CORRECTION.
Moulded depth ... 25.75'	(a) Where D is greater than Table depth (D-Table depth) R = +6.72	Moulded Breadth (B)
Stringer plate033	(b) Where D is less than Table depth (if allowed) (Table depth-D) R =	Standard Round of Beam = $\frac{B \times 12}{50} =$
Wood Sheathing on exposed deck $T \left(\frac{L-S}{L} \right) =$	If restricted by superstructures	Ship's Round of Beam =
Depth for Freeboard (D) = 25.78		Difference
		Restricted to
		Correction = $\frac{\text{Diff}^2}{4} \times \left(1 - \frac{S_1}{L} \right) = -0.06$

DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	Height Correction	Effective Length (E)
Poop enclosed ...	39.97	39.97	9.0	-	
" overhang ...					
R.Q.D. enclosed ...					
" overhang ...					
Bridge enclosed ...	106.17	106.17	9.0	-	
" overhang aft ...					
" overhang forward ...					
Fore enclosed ...	38.72	38.54	7.75	-	
" overhang ...					
Trunk aft ...					
" forward ...					
Tonnage opening aft ...					
" " forward ...					
Total ...	184.86	184.68			184.68

Standard Height of Superstructure	6.99
" " R.Q.D.	
Deduction for complete superstructure	38.617
Percentage covered $\frac{S}{L} =$	52.93
" " $\frac{S_1}{L} =$	52.87
" " $\frac{E}{L} =$	52.87
Percentage from Table, Line A. Timber	71.04
(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 = $38.617 \times 71.04 =$	-27.43

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 = $\frac{\text{Difference between sums of products}}{18} \left(\frac{.75 - S}{2L} \right) = -1.74$

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 = **25.78'**

Summer freeboard = **3.15**

Moulded draught (d) = **22.63**

Keel allowance =

Extreme draught =

$\frac{d}{4} =$ Deduction for Tropical freeboard and addition for = **144 m/m**

Winter freeboard = $\frac{d}{3}$ inches = **192 m/m**

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

6" = 152 m/m

TABULAR FREEBOARD corrected for Flush Deck (if required)

Correction for coefficient

Depth Correction ... **6.72**

Deduction for superstructures ... **27.43**

Sheer correction ... **1.74**

Round of Beam correction ... **.06**

Correction for Thickness of Deck amidships ...

Other corrections, scantlings, etc. ...

6.72 27.43 -22.51

Summer Freeboard = **37.79**

56.29

60.30

22-9-52

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

TIMBER Tropical Fresh Water Line above Centre of Disc	686 m/m	TIMBER Tropical Fresh Water Freeboard	960 m/m
" Fresh Water Line	462	" Fresh Water	808
" Tropical Line	454	" Tropical	816
" Winter Line	11.8	" Winter	11.52
" Winter North Atlantic Line	140	" Winter North Atlantic	1410
" Summer Line above	310		