

AMENDED TIMBER

Rpt. C.11 (Comp.).

Index No. **37801**
(For London Office only.)

LLOYD'S REGISTER OF SHIPPING

UNITED WITH THE BRITISH CORPORATION REGISTER

SURVEYS FOR FREEBOARD.

(COMPUTATION FOR STEAMER, SAILING SHIP, TANKER.)

Ship's Name TAPAJOS EX. SAINT MALO	Official Number 175590	Nationality and Port of Registry PANAMA PANAMA	Gross Tonnage 2877.	Date of Build 1944	Port of Survey
Moulded Dimensions: Length 310.44 Breadth 46.33 Depth 25.16					Date of Survey 3 Dec 1951
Moulded displacement at moulded draught = 85 per cent. of moulded depth (excluding bossing) tons					Surveyor's Signature
Coefficient of fineness for use with Tables .761					Particulars of Classification +100 A1

DEPTH FOR FREEBOARD (D).	DEPTH CORRECTION.	ROUND OF BEAM CORRECTION.
Moulded depth	(a) Where D is greater than Table depth (D-Table depth) R = +10.72 ✓	Moulded Breadth (B) Standard Round of Beam = $\frac{B \times 12}{50} =$
Stringer plate	(b) Where D is less than Table depth (if allowed) (Table depth-D) R =	Ship's Round of Beam =
Sheathing on exposed deck $T \left(\frac{L-S}{L} \right) =$	If restricted by superstructures	Difference
Depth for Freeboard (D) = 25.19		Restricted to
		Correction = $\frac{\text{Diff}^\circ}{4} \times \left(1 - \frac{S_1}{L} \right) = +.02$ ✓

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	146.44	135.84			135.84

Standard Height of Superstructure

" " R.Q.D.

Deduction for complete superstructure **36.03** ✓

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

" " $\frac{S_1}{L} =$

" " $\frac{E}{L} =$ **43.76** ✓

Percentage from Table, Line **A** **TIMBER** **65.35** ✓
(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 = **36.03 x .6535 = 23.55** ✓

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							

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 = $\frac{\text{Difference between sums of products}}{18} \left(\frac{S}{2L} \right) = +6.26$ ✓

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 = 25.19 Summer freeboard = 3.52 Moulded draught (d) = 21.67 Keel allowance = Extreme draught = Deduction for Tropical freeboard and addition for Winter freeboard = $\frac{d}{4}$ inches = 5.42 = 138 m/m Addition for Winter North Atlantic Freeboard (if required) = $\frac{d}{3}$ = 7.22 = 183 m/m	Deduction for Fresh Water. Displacement in salt water at summer load water line $\Delta =$ 6895 Tons per inch immersion at summer load water line $T =$ 29.21 Deduction = $\frac{\Delta}{40 T}$ inches = 5.90 = 150 m/m	TABULAR FREEBOARD corrected for Flush Deck (if required) Correction for coefficient $\frac{1.441}{1.36}$ <table border="1"> <tr><td>+</td><td>-</td></tr> <tr><td>Depth Correction</td><td>10.72</td></tr> <tr><td>Deduction for superstructures</td><td>23.55</td></tr> <tr><td>Sheer correction</td><td>6.26</td></tr> <tr><td>Round of Beam correction</td><td>.02</td></tr> <tr><td>Correction for Thickness of Deck amidships</td><td></td></tr> <tr><td>Other corrections, scantlings, etc.</td><td></td></tr> <tr><td>17.00</td><td>23.55</td></tr> </table> Summer Freeboard = 42.20 = 1072 m/m	+	-	Depth Correction	10.72	Deduction for superstructures	23.55	Sheer correction	6.26	Round of Beam correction02	Correction for Thickness of Deck amidships		Other corrections, scantlings, etc.		17.00	23.55	46.01 48.75 4.12.51
+	-																		
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TIMBER SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, Wood, Steel, Deck :-		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	TIMBER	Tropical Fresh Water Freeboard
"	Fresh Water Line " "	"	" Fresh Water " "
"	Tropical Line " "	"	" Tropical " "
"	Winter Line ABOVE below " "	"	" Winter " "
"	Winter North Atlantic Line BELOW " "	"	" Winter North Atlantic " "
"	SUMMER LINE ABOVE " "	"	" " " " " "

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