

For 3<sup>rd</sup> Floor only. *FD* *FD* *50%*Index No. \_\_\_\_\_  
(For London Office only.)

# Lloyd's Register of Shipping.

## SURVEYS FOR FREEBOARD.

(COMPUTATION FOR STEAMER, SAILING SHIP, TANKER.)

Ship's Name <i>Temple 4 and</i>	Official Number	Nationality and Port of Registry	Gross Tonnage	Date of Build <i>1936</i>	Port of Survey <i>Offic</i>
Moulded Dimensions: Length <i>425</i> Breadth <i>56.0</i> Depth <i>36.17</i>					Date of Survey <i>1.3.57</i>
Moulded displacement at moulded draught = 85 per cent. of moulded depth					Surveyor's Signature <i>AS</i>
Coefficient of fineness for use with Tables <i>7.62</i>					Particulars of Classification <i>Flush deck with 50% sections</i>

<b>DEPTH FOR FREEBOARD (D).</b> Moulded depth ... .. <i>36.17</i> Stringer plate ... .. <i>92"</i> ... .. <i>.08</i> Sheathing on exposed deck $T \left( \frac{L-S}{L} \right) =$ Depth for Freeboard (D) = <i>36.25</i>	<b>DEPTH CORRECTION.</b> (a) Where D is greater than Table depth (D-Table depth) R = $(36.25 - 28.33) 3 = +23.76$ $7.92$ (b) Where D is less than Table depth (if allowed) (Table depth-D) R = If restricted by superstructures <input checked="" type="checkbox"/>	<b>ROUND OF BEAM CORRECTION.</b> Moulded Breadth (B) Standard Round of Beam = $\frac{B \times 12}{50} =$ Ship's Round of Beam = <i>Standard</i> Difference Restricted to Correction = $\frac{\text{Diff}}{4} \times \left( 1 - \frac{S_1}{L} \right) =$ <input checked="" type="checkbox"/>
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## DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S <sub>1</sub> )	Height	Height Correction	Effective Length (E)
Poop enclosed ... ..					
" overhang ... ..					
R.Q.D. enclosed ... ..					
" overhang ... ..					
Bridge enclosed ... ..					
" overhang aft ... ..					
" overhang forward ... ..					
Fore enclosed ... ..					
" overhang ... ..					
Trunk aft ... ..					
" forward ... ..					
Tonnage opening aft ... ..					
" " forward ... ..					
Total ... ..					

*50% sections*

Standard Height of Superstructure *7.50*  
 " " R.Q.D. \_\_\_\_\_  
 Deduction for complete superstructure *42.00*  
 Percentage covered  $\frac{S}{L} =$   
 $\frac{S_1}{L} =$  *50.00*  
 $\frac{E}{L} =$   
 Percentage from Table, Line A. *32.00*  
 (corrected for absence of forecastle (if required))  
 Percentage from Table, Line B. *36.00*  
 (corrected for absence of forecastle (if required))  
 Interpolation for bridge less than .2L (if required) ☒  
 Deduction = *42.00* *.36* = *15.12* ☒

## 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	
$\frac{2}{4}L$ from F.P. ... ..		2				2	
$\frac{1}{4}L$ " ... ..		4				4	
F.P. ... ..		1				1	
Total ... ..							

*Standard sheers*

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 " = ☒  
 Correction =  $\frac{\text{Difference between sums of products}}{18} \left( .75 - \frac{S}{2L} \right) =$   
 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 = *36.25*  
 Summer freeboard = *7.73*  
 Moulded draught (d) = *28.52*

## Deduction for Tropical freeboard and addition for

Winter freeboard =  $\frac{d}{4}$  inches = *7.13* *7.14*

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 ... .. *23.76*  
 Deduction for superstructures ... .. *15.12*  
 Sheer correction ... ..  
 Round of Beam correction ... ..  
 Correction for Thickness of Deck amidships ... ..  
 Other corrections, scantlings, etc. ... ..

+	-
<i>23.76</i>	<i>15.12</i>
<i>23.76</i>	<i>15.12</i>

Summer Freeboard = *92.77*

## 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 " " ... ..