

For 3rd Floor only - C.S.V./T.O.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 Yard</i>	Official Number	Nationality and Port of Registry	Gross Tonnage	Date of Build <i>1936</i>	Port of Survey <i>Office</i>
Moulded Dimensions: Length <i>425</i> Breadth <i>56.0</i> Depth <i>28.17</i>					Date of Survey <i>1-3-51</i>
Moulded displacement at moulded draught = 85 per cent. of moulded depth _____ tons					Surveyor's Signature <i>GD</i>
Coefficient of fineness for use with Tables <i>738</i>					Particulars of Classification <i>1602 Superstructure</i>

DEPTH FOR FREEBOARD (D).	DEPTH CORRECTION.	ROUND OF BEAM CORRECTION.
Moulded depth <i>28.17</i>	(a) Where D is greater than Table depth (D-Table depth) R =	Moulded Breadth (B)
Stringer plate ... <i>.65</i> <i>05</i>	(b) Where D is less than Table depth (if allowed) (Table depth-D) R =	Standard Round of Beam = $\frac{B \times 12}{50} =$
Sheathing on exposed deck $T \left(\frac{L-S}{L} \right) =$	<i>(28.33-28.22) 3 = -.33</i> ✓	Ship's Round of Beam = <i>Standard</i>
Depth for Freeboard (D) = <i>28.22</i>	If restricted by superstructures ✓	Difference
		Restricted to
		Correction = $\frac{\text{Diff}^e}{4} \times \left(1 - \frac{S_1}{L} \right) =$

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					

Standard Height of Superstructure *7.5*

" " R.Q.D. _____

Deduction for complete superstructure *42"*

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

" " $\frac{S_1}{L} =$ } *100%*

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

Percentage from Table, Line A.
(corrected for absence of forecastle (if required)) } *100*

Percentage from Table, Line B.
(corrected for absence of forecastle (if required)) }

Interpolation for bridge less than .2L (if required)

Deduction = *42 × 1.00 = 42"* ✓

SHEER CORRECTION.

Station	Standard Ordinate	S M	Product	Actual Ordinate	Effective Ordinate	S M	Product
A.P.		1		<i>+6"</i>		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		<i>+6"</i>		1	
Total							

Correction = $\frac{\text{Difference between sums of products}}{18} \left(.75 - \frac{S}{2L} \right) = -0.25" \cdot 5$

If limited on account of midship superstructure.

Actual height of Superstructure *8.00'*

Standard " *7.50'*

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 " =

Deduction for Tropical Freeboard.

Addition for Winter and Winter North Atlantic Freeboard.

Depth to Freeboard Deck = *28.22*

Summer freeboard = *3.35*

Moulded draught (d) = *24.87*

Deduction for Tropical freeboard and addition for Winter freeboard = $\frac{d}{4}$ inches = *6.22 = 6 1/4"*

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

$\frac{.738 + .68}{1.36} = \frac{1.418}{1.36}$

	+	-
Depth Correction		<i>.33</i>
Deduction for superstructures		<i>42.00</i>
Sheer correction		<i>50</i>
Round of Beam correction		
Correction for Thickness of Deck amidships		
Other corrections, scantlings, etc.		
	<i>42.83</i>	<i>- 42.83</i>

Summer Freeboard = *34.96*

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	"