

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD-STEAMERS.

 Port of Survey _____
 Date of Survey _____
 Name of Surveyor _____

Ship's Name.	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
Winnui				1930	

Number in Register Book

Moulded dimensions 241.08 x 38.0 x 21.0

3358 tons

Moulded displacement at a moulded draught of 85 per cent. of moulded depth

719

Coefficient of fineness for use with tables

DEPTH FOR FREEBOARD.

Moulded depth	21.00
Stringer plate	.04
Sheathing in wells $T \left(\frac{L-S}{L} \right) =$	-
Depth D =	21.04

CORRECTION FOR LENGTH.

(a) When D is greater than $\frac{L}{15}$	$(D - \frac{L}{15}) \times R = 21.04 - 1.607 = 1.854 + 9.22$
(b) When D is less than $\frac{L}{15}$ (if allowed).	$(\frac{L}{15} - D) \times R = \dots$
If restricted by height of superstructures	\dots

SUPERSTRUCTURES.

	Mean Covered Length S.	Equivalent Enclosed Length S ₁ .	6.00 Height.	Correction for Height.	Effective Length.
Poop enclosed	26.56	26.56	7.25	✓	26.56
" overhang					
R.Q.D. enclosed					
" overhang					
Bridge enclosed	70.00	70.00	7.25	✓	70.00
" overhang aft					
" overhang forward					
F'cle enclosed	25.25	25.25	7.25	✓	25.25
" overhang					
Trunks forward					
" aft					
Tonnage opening					

NB

* assumed that shipping tonnage filled 1/2 height at after end will be filled full height

See over.

TOTAL =

Length of ship (L) = 241.08

% Covered ... = 50.53

Corresponding %, corrected for absence of forecastle if required A =

B = 36.53

Correction for Bridge less than 2L if required ✓

Allowance ... = 30.11

× 36.53

= - 11.00

SHEER.

Station.	Actual Sheer.	Standard Sheer.	Allowed Sheer.	S. M.	Products.
A.P. 1	36.0	34.11	36.00	1	36.00
2			19.50	4	78.00
3			8.67	2	17.34
4			2.17	4	8.68
5			4.39	4	17.56
6			17.56	2	35.12
F.P. 7	78.0	68.22	78.00	4	158.00
			78.00	1	78.00

If excess sheer forward and deficient sheer aft:—

Actual sheer aft = excess

Standard sheer aft = excess

Length of enclosed superstructure L

Forward of amidships =

Aft of amidships =

Mean effective sheer	17.86
Standard sheer .05L + 5 =	17.05
Difference (Df)	.81
Allowance = $Df \times \left(\frac{75 - S}{2L} \right) = .81 \times (75 - 25)$	14.1
If limited on account of amidship superstructure	
If limited on account of excess sheer (1 1/2 in. per 100 ft.)	

ROUND OF BEAM.

Standard	33 x 24	9.12
Ship		10.00
Difference	excess	.88
Restricted to		
Allowance = $\frac{\text{Difference}}{4} \times \left(1 - \frac{S}{L} \right) = .22 \times .495 = .11$		

 21.04
 2.55
 4.1849
 4.62

 30.60
 4.62
 35.22

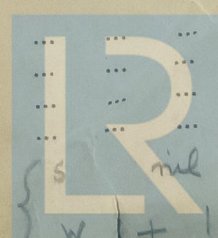
 TABULAR FREEBOARD (corrected for flush deck if required) = 30.52
 Corrected for Coefficient 719 $\frac{+68}{1.36} = \frac{1.399}{1.36} \times 30.52 = 31.40$

Correction for Length	9.22
" Superstructures	11.00
" Sheer	.41
" Round of beam	.11
" Thickness of deck	1.50
" Scantlings, etc.	
" Statutory deck line	

 10.72 11.52 - 0.80
 Summer Freeboard = 30.60

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (Steel) Deck:—

Fresh Water Line	above centre of Disc	
Indian Summer Line	" " "	
Winter Line	below " "	
Winter North Atlantic Line	" " "	



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