

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD-STEAMERS.

Index No. 33687
(For London Office only.)Port of Survey
Date of Survey 12-12-30
Name of Surveyor

Ship's Name. MAPLEWOOD	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification. +100 A1.
Number in Register Book					
Moulded dimensions	382 x 51.75 x 29				
Moulded displacement at a moulded draught of 85 per cent. of moulded depth	10600 (reported) 10692 calculated from scale				
Coefficient of fineness for use with tables	.761				

DEPTH FOR FREEBOARD.

Moulded depth	29.00
Stringer plate	.04
Sheathing in wells $T \left(\frac{L-S}{L} \right) =$	-
Depth D =	29.04

CORRECTION FOR LENGTH.

(a) When D is greater than $\frac{L}{15}$	
$(D - \frac{L}{15}) \times R = (29.04 - 25.47) \times 2.938$	+10.49
(b) When D is less than $\frac{L}{15}$ (if allowed).	
$(\frac{L}{15} - D) \times R =$	-
If restricted by height of superstructures	

SUPERSTRUCTURES.

	Mean Covered Length S.	Equivalent Enclosed Length S ₁ .	Height.	Correction for Height.	Effective Length.
Poop enclosed	33.46	33.46	8.0	-	33.46
" overhang					
R.Q.D. enclosed					
" overhang					
Bridge enclosed	117.20	117.20	8.0	-	117.20
" overhang aft	1.97	1.48			1.48
" overhang forward					
F'cle enclosed	29.92	29.92	8.0		29.92
" overhang					
Trunks forward					
" aft					
Tonnage opening					

TOTAL = 182.55 182.06 182.06

Length of ship (L) = 382 382 382

% Covered ... = 47.78 47.66 47.66

Corresponding %, corrected for absence of forecastle if required } A = - B = 34.01 Correction for Bridge less than 2L if required } 321 L.

Allowance ... = 40.80 x .3401. = -13.87"

SHEER.

Station.	Actual Sheer.	Standard Sheer.	Allowed Sheer.	S. M.	Products.
A.P. 1	55	48.2	55	1	55.00
2	30.5		30.5	2	122.00
3			13.55	2	27.10
4			3.39	4	13.56
5			6.82	2	27.28
6			27.28	2	54.56
F.P. 7	61.38		61.38	4	245.52
8	111	96.4	111	1	111.00

If excess sheer forward and deficient sheer aft :-

Actual sheer aft =
Standard sheer aft = } Excess
Actual sheer forward =
Standard sheer forward = }

Length of enclosed superstructure

L
Forward of amidships = .182
Aft of amidships = .130.Mean effective sheer ... = 27.33
Standard sheer .05L + 5 = 24.10
Difference (Df) = 3.23
Allowance = $Df \times (.75 - \frac{S}{2L}) = 3.23 (.75 - .239) = 1.65$
If limited on account of amidship superstructure ... =
If limited on account of excess sheer ($1\frac{1}{2}$ in. per 100 ft.) ... =

ROUND OF BEAM.

Standard	12.42
Ship	12.75
Difference	.33
Restricted to	
Allowance = $\frac{\text{Difference}}{4} \times (1 - \frac{S}{L}) = .08 \times .523 = .04$	

TABULAR FREEBOARD (corrected for flush deck if required) =

Corrected for Coefficient .761 + .68 = 1.441
1.36 = 66.00
69.92

	+	-
Correction for Length	10.49	
" Superstructures		13.87
" Sheer		1.65
" Round of beam		.04
" Thickness of deck		
" Scantlings, etc.		
" Statutory deck line		

Summer Freeboard = 64.85

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

Fresh Water Line	above centre of Disc	...	5'-4 3/4"
Indian Summer Line	"
Winter Line	below	...	5'-10 3/4"
Winter North Atlantic Line	"