

P.B.F. Considered with TIMBER DECK CARGO

Report No. 11b (Spl).

Index No. 33687
(For London Office only.)

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD-STEAMERS.

Port of Survey _____
Date of Survey 12-12-30
Name of Surveyor _____

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

DEPTH FOR FREEBOARD.

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

CORRECTION FOR LENGTH.

(a) When D is greater than $\frac{L}{15}$	$(D - \frac{L}{15}) \times R =$	...	...	...	<i>+ 10.49"</i>
(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
" overhang
R.Q.D. enclosed
" overhang
Bridge enclosed
" overhang aft
" overhang forward
F'cle enclosed
" overhang
Trunks forward
" aft
Tonnage opening

TOTAL =

Length of ship (L) =

% Covered ... =

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

Allowance ... =

67.79 **B**

40.80 × *67.79* =

Correction for Bridge less than $2L$ if required

47.66
- 27.66

SHEER.

Station.	Actual Sheer.	Standard Sheer.	Allowed Sheer.	S. M.	Products.
A.P. 1					
2					
3					
4					
5					
6					
F.P. 7					

If excess sheer forward and deficient sheer aft :-

$\frac{\text{Actual sheer aft}}{\text{Standard sheer aft}} =$

$\frac{\text{Actual sheer forward}}{\text{Standard sheer forward}} =$

$\frac{\text{Length of enclosed superstructure}}{L}$

Forward of amidships =

Aft of amidships =

Mean effective sheer	...	...	...	...	...	=
Standard sheer $0.05L + 5$	...	...	...	...	...	=
Difference (Df)	...	...	...	...	...	=
Allowance = $Df \times \left(\frac{.75 - S}{2L} \right) =$	...	...	...	...	...	= <i>- 1.65"</i>
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	...	...	...	...	...
Ship	...	...	...	...	...
Difference	...	...	...	...	...
Restricted to	...	...	...	...	...
Allowance = $\frac{\text{Difference}}{4} \times \left(1 - \frac{S}{L} \right) =$	= <i>-.04</i>

TABULAR FREEBOARD (corrected for flush deck if required) =

Corrected for Coefficient	$\frac{+.68}{1.36} =$	...	...	...	...	= <i>69.92</i>
Correction for Length	...	...	...	...	...	...
" Superstructures	...	...	...	...	...	...
" Sheer	...	...	...	...	...	...
" Round of beam	...	...	...	...	...	...
" Thickness of deck	...	...	...	...	...	...
" Scantlings, etc.	...	...	...	...	...	...
" Statutory deck line	...	...	...	...	...	...
		<i>10.49</i>	<i>27.66</i>	<i>1.65</i>	<i>.04</i>	
		<i>10.49</i>	<i>29.35</i>			= <i>- 18.86</i>
Summer Freeboard =						= <i>51.06</i>

29.04
4.25
3/24.79
8.26

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	"	"

4'-3"
8.26
2029.32

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