

# 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.
KATOORA	MELBOURNE. (Dom.)			1927	
Number in Register Book					

Moulded dimensions 134.75 x 26.0' x 9.5'

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

Coefficient of fineness for use with tables 755 ✓

## DEPTH FOR FREEBOARD.

Moulded depth	9.50'
Stringer plate	.02'
Sheathing in wells $T \left( \frac{L-S}{L} \right) =$	
Depth D =	9.52'

## CORRECTION FOR LENGTH.

(a) When D is greater than $\frac{L}{15} = 8.98'$	
$(D - \frac{L}{15}) \times R = .54 \times 1.036$	+ .559 ✓
(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 <sub>1</sub> .	Height.	Correction for Height.	Effective Length.
Poop enclosed					
" overhang					
R.Q.D. enclosed	40.67	40.67	3.0	$\frac{3}{3.23}$	37.77
" overhang					
Bridge enclosed					
" overhang aft					
" overhang forward					
Fore enclosed	18.83	18.83	7.0		18.83
" overhang	7.08	6.17			6.17
Trunks forward					
" aft					
Tonnage opening					

TOTAL =

Length of ship (L) = 134.75

% Covered ... = 49.42% 48.85%

Corresponding %, corrected for absence of forecastle if required A = 29.09% B = 33.09%

Allowance ... = 19.475 ✓ x .2909 =

Correction for Bridge less than 2L if required

= -5.66

## SHEER.

Station.	Actual Sheer.	Standard Sheer.	Allowed Sheer.	S. M.	Products.
A.P. 1	13.50	23.45	13.50	1	13.50
2	7.50	12.90	7.50	4	30.00
3	3.32	6.10	3.32	2	6.64
4	.83	1.65	.83	4	3.32
5				2	
6	2.50	3.25	2.50	4	10.00
7	10.00	12.20	10.00	2	20.00
8	22.50	25.85	22.50	4	90.00
F.P. 9	42.00	46.95	42.00	1	42.00

If excess sheer forward and deficient sheer aft:—

Actual sheer aft = defective

Standard sheer aft = defective

Length of enclosed superstructure L

Forward of amidships =

Aft of amidships =

Mean effective sheer ...	24.78	215.46
Standard sheer .05L + 5 =		8.98
Difference (Df) ...		11.73 ✓
Allowance = $Df \times \left( \frac{.75 - S}{2L} \right) = 2.75 \times (.75 - .247)$		2.75 ✓
If limited on account of amidship superstructure		+ 1.38 ✓
If limited on account of excess sheer (1½ in. per 100 ft.)		

## ROUND OF BEAM.

Standard	6.24 ✓
Ship	7.00 ✓
Difference	.76 ✓
Restricted to	
Allowance = $\frac{\text{Difference}}{4} \times \left( 1 - \frac{S}{L} \right) = \frac{.76}{4} \times .513 = .097$	

## TABULAR FREEBOARD (corrected for flush deck if required) = 13.57 ✓

Corrected for Coefficient .755 + .68 = 13.57 x 1.055 = 14.316 ✓

	+	-
Correction for Length	.559	5.65
" Superstructures		
" Sheer	1.38	.097
" Round of beam		
" Thickness of deck		
" Scantlings, etc.		
" Statutory deck line		

Summer Freeboard = 10.51

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, (Steel) Deck: 10.51 ✓

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

1906 F60s { S = 10.4" -  
W = 11.4" -Diff from 1906 { S = + 4" ✓  
W = + 1" ✓

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FORECASTLE.

$$2 \times 7 \left( \frac{5.5 + 4.0}{2} \right) + (7 \times 8.5)$$

$$= 5.25$$

Closed = 18.83 ✓

5.25 ✓

24:08 -

Total = 25.9k

$$\begin{array}{r} 24.08 \\ 2 \overline{) 1.83} \\ \underline{.92} \\ 24.08 \\ \underline{25.00} \end{array}$$

To Seal.