

Lloyd's Register of Shipping.
SURVEYS FOR FREEBOARD-STEAMERS.

Index No. 32936
(For London Office only.)
Port of Survey
Date of Survey 17/9/30
Name of Surveyor

Ship's Name. <i>Kalavati</i>	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification. <i>+100 A.1. with food</i>
Number in Register Book					

Moulded dimensions *230.0 x 38.5 x 16.0*
Moulded displacement at a moulded draught of 85 per cent. of moulded depth *2340*
Coefficient of fineness for use with tables *.68*

DEPTH FOR FREEBOARD.

Moulded depth	...	...	...	...	...	...	16.0
Stringer plate	...	...	...	...	...	...	.04
Sheathing in wells $T \left(\frac{L-S}{L} \right) =$	...	...	...	...	...	...	-
<i>3 1/2 Sheathing throughout</i>							
Depth <i>D</i> =	...	...	...	...	...	...	16.04

CORRECTION FOR LENGTH.

(a) When *D* is greater than $\frac{L}{15}$ *15.33*
 $\left(D - \frac{L}{15} \right) \times R = \dots$ *16.00 ... 1.769 ... + 1.18*
(b) When *D* is less than $\frac{L}{15}$ (if allowed).
 $\left(\frac{L}{15} - D \right) \times R = \dots$
If restricted by height of superstructures

SUPERSTRUCTURES.

	Mean Covered Length <i>S</i> .	Equivalent Enclosed Length <i>S</i> ₁ .	Height.	Correction for Height.	Effective Length.
Poop enclosed	25.5	25.5	7.25	-	25.5
" overhang	28.5 x 1/2	14.25			14.25
R.Q.D. enclosed					
" overhang					
Bridge enclosed	156.5	156.5	7.25	-	156.5
" overhang aft	15.5 x 3/4	11.62			11.62
" overhang forward					
F'cle enclosed					
" overhang					
Trunks forward					
" aft					
Tonnage opening	4.0	11.96			11.96

TOTAL = *230.0* *218.93*
Length of ship (*L*) = *230.0* *230.0*
% Covered ... = *100.0* *95.18*
Corresponding %, corrected for absence of forecastle if required } *A = 94.07* *B = 94.07* Correction for Bridge less than $\frac{1}{2}L$ if required }
Allowance ... = *29.0* *x .9407* = *- 27.28*

SHEER.

Station.	Actual Sheer.	Standard Sheer.	Allowed Sheer.	S. M.	Products.
A.P. 1	33.0 + 15	33.0	48.0	1	48.0
2			27.0	4	108.0
3			12.0	2	24.0
4			3.0	4	12.0
5			5.06	4	20.2
6			20.25	2	40.5
7			45.5	4	182.0
F.P.	66.0 + 15	66.0	81.0	1	81.0

Mean effective sheer ... = *21.49*
Standard sheer $.05L + 5 =$ *16.50*
Difference (*Df*) ... = *4.99*
Allowance = $Df \times \left(.75 - \frac{S}{2L} \right) =$ *4.99 (.75 - .50)* = *1.25*
If limited on account of amidship superstructure ... =
If limited on account of excess sheer ($1\frac{1}{2}$ in. per 100 ft.) ... =

If excess sheer forward and deficient sheer aft :-

Actual sheer aft = *excess*
Standard sheer aft
Actual sheer forward = *excess*
Standard sheer forward

Length of enclosed superstructure *L* *6.58*
Forward of amidships =
Aft of amidships =

ROUND OF BEAM.

Standard	...	...	...	...	9.24
Ship	...	...	...	...	9.62
Difference	...	...	...	...	.38
Restricted to	...	...	...	...
Allowance = $\frac{\text{Difference}}{4} \times \left(1 - \frac{S}{L} \right) =$					<i>.38/4 + nil</i> <i>NIL</i>

TABULAR FREEBOARD (corrected for flush deck if required) = *28.50*

Corrected for Coefficient <i>.68 + .68</i> <i>1.36</i> = <i>NIL</i>	
Correction for Length	<i>1.18</i>
" Superstructures	<i>27.28</i>
" Sheer	<i>1.25</i>
" Round of beam	
" Thickness of deck	<i>3.50</i>
" Scantlings, etc.	
" Statutory deck line	
	<i>4.68</i> <i>28.53</i> <i>- 23.85</i>

Summer Freeboard = *4.65*

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	"	...

Present $\left\{ \begin{array}{l} S \\ W \end{array} \right. \left\{ \begin{array}{l} 0 - 9\frac{3}{4} \\ 0 - 11\frac{3}{4} \end{array} \right.$

Difference $\left\{ \begin{array}{l} S \\ W \end{array} \right. \left\{ \begin{array}{l} - 5\frac{1}{2} \\ - 3\frac{1}{4} \end{array} \right.$



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