

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD STEAMERS.

Index No. _____
(For London Office only.)

Port of Survey _____

Date of Survey 9/12/30

Name of Surveyor _____

Ship's Name, <u>Dominia</u>	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
Number in Register Book					

Moulded dimensions 4750 x 58'-9" x 40'-9"
Moulded displacement at a moulded draught of 85 per cent. of moulded depth
Coefficient of fineness for use with tables _____

.80 assumed

DEPTH FOR FREEBOARD.

Moulded depth	...	...	...	...	...	40.75
Stringer plate	...	...	...	...	...	.04
Sheathing in wells $T \left(\frac{L-S}{L} \right) =$	...	...	...	...	...	.17
3" $\left(\frac{475-145.16}{475} \right)$	...	...	...	...	...	.695
Depth D =	...	...	...	...	...	40.96

CORRECTION FOR LENGTH.

(a) When D is greater than $\frac{L}{15} = 31.67$
 $\left(D - \frac{L}{15} \right) \times R = (40.96 - 31.67) \times 3 = 27.84$
 (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 S.	Equivalent Enclosed Length S ₁ .	Height.	Correction for Height.	Effective Length.
Poop enclosed
" overhang
R.Q.D. enclosed
" overhang
Bridge enclosed	145.16	108.87	8.0	-	108.87
" 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 ... =

B = 14.53 - 5.0

Correction for Bridge less than 2L if required } .229

No forecastle

SHEER.

Station.	Actual Sheer.	Standard Sheer.	Allowed Sheer.	S. M.	Products.
A.P. 1	37.50	57.5	37.50	1	37.5
2	19.0	...	19.0	4	76.0
3	8.44	...	8.44	2	16.9
4	2.11	...	2.11	4	8.4
5	5.91	...	5.91	4	23.6
6	23.64	...	23.64	2	47.3
7	53.25	...	53.25	4	213.0
F.P. 1	103.5	115.0	103.50	1	103.5

If excess sheer forward and deficient sheer aft :-

Actual sheer aft = deficient

Standard sheer aft = deficient

Length of enclosed superstructure L

Forward of amidships = $.12L \times \frac{3}{4} = .09L$

Aft of amidships = $.185L \times \frac{3}{4} = .139L$

ROUND OF BEAM.

Standard	...	...	...	...	14.1
Ship	...	...	...	...	14.5
Difference	...	...	...	...	.4
Restricted to	...	...	...	...	...
Allowance = $\frac{\text{Difference}}{4} \times \left(1 - \frac{S_1}{L} \right) =$	...	...	...	...	.1 x .771 = .08

mean = .17
 fixed = .20
 + $.03 \times 12 = .36$

TABULAR FREEBOARD (corrected for flush deck if required)

Corrected for Coefficient	80 + .68 = 148	1.36	94.80
Correction for Length	...	...	...
" Superstructures	...	...	...
" Sheer	...	...	...
" Round of beam	...	...	...
" Thickness of deck	...	...	...
" Scantlings, etc.	...	...	...
" Statutory deck line	...	...	...
Summer Freeboard =	110 + 11/2 = 131.40	...	131.40

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 Table A



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