

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD-STEAMERS.

Port of Survey
Date of Survey 21-11-30.
Name of Surveyor

Ship's Name.	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
SEA RAMBLER.	DOVER. BRITISH.			1930	+ 100A.1.
Number in Register Book					

Moulded dimensions 290.0 x 42.83 x 20.83
Moulded displacement at a moulded draught of 85 per cent. of moulded depth 4919.
Coefficient of fineness for use with tables .783.

DEPTH FOR FREEBOARD.

Moulded depth	...	...	...	...	20.83
Stringer plate	...	...	...	...	.04
Sheathing in wells $T \left(\frac{L-S}{L} \right) =$	...	...	...	...	✓
Depth D =	...	...	...	...	20.87

CORRECTION FOR LENGTH.

(a) When D is greater than $\frac{L}{15}$
 $(D - \frac{L}{15}) \times R = (20.87 - 19.33) \times 2.231 = + 3.44.$
(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	26.62	26.62	7'6"	✓	26.62
" overhang					
R.Q.D. enclosed					
" overhang					
Bridge enclosed	66.00	66.00	7'6"	✓	66.00
" overhang aft	2.50	1.87			1.87
" overhang forward					
F'cle enclosed	23.37	23.37	7'6"	✓	23.37
" overhang					
Trunks forward					
" aft					
Tonnage opening					

TOTAL = $\frac{118.49}{290.0} = 40.86\%$
Length of ship (L) = 290.0
% Covered ... = 40.86%
Corresponding %, corrected for absence of fore-castle if required } A =
Allowance ... = 34.67
B = 28.04%
Correction for Bridge less than 2L if required } .23 L
= -9.72

SHEER.

Station.	Actual Sheer.	Standard Sheer.	Allowed Sheer.	S. M.	Products.
A.P.	42.00	39.00	42.00	1	42.00
	27.25		27.25	4	109.00
			12.12	2	24.24
			3.03	4	12.12
			-	2	-
			6.00	4	24.00
			24.00	2	48.00
F.P.	54.00	78.00	54.00	4	216.00
	84.00		84.00	1	84.00

Mean effective sheer ... = 23.37
Standard sheer .05L + 5 = 19.50
Difference (Df) = 3.81
Allowance = $Df \times \left(\frac{75 - \frac{S}{2}}{L} \right) = 3.81 \times (.5457) = -2.08$
If limited on account of amidship superstructure ... = ✓
If limited on account of excess sheer (1½ 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

Forward of amidships = .10 L
Aft of amidships = .13 L

ROUND OF BEAM.

Standard	...	...	...	10.28
Ship	...	...	...	10.25
Difference	...	...	...	.03
Restricted to	...	...	...
Allowance = $\frac{\text{Difference}}{4} \times \left(1 - \frac{S}{L} \right) = \frac{.03}{4} \times .5936 = \text{NIL}$				

TABULAR FREEBOARD (corrected for flush deck if required) = 41.00

Corrected for Coefficient $\frac{.783 + .68}{1.36} = 1.076 \times 41.00 = 44.12$	
Correction for Length	3.44
" Superstructures	9.72
" Sheer	2.08
" Round of beam	-
" Thickness of deck	-
" Scantlings, etc.	-
" Statutory deck line	-
	3.44 11.80 - 8.36

Summer Freeboard = 35.76

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

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

1906 FBDS { S = 3'-0¼"
W = 3'-3¼"
DIFF. FROM 1906 { S =
W = +1"

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