

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD-STEAMERS.

Index No. 33339
(For London Office only.)

Port of Survey

Date of Survey 14-1-31

Name of Surveyor

Ship's Name.
CEFALL.

Port of Registry
and Nationality.

Official
Number.

Gross
Tonnage.

Date of Build.
1930.

Particulars of Classification.

+100 H1 with freeboard

Number in Register Book

Moulded dimensions 378.95 x 53 x 33.25

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

Not given

Coefficient of fineness for use with tables

DEPTH FOR FREEBOARD.

Moulded depth	33.25
Stringer plate04
Sheathing in wells	T	(L-S)/L	=	-
Depth D	=	33.29

CORRECTION FOR LENGTH.

(a) When D is greater than L/15	(D - L/15) x R =	(33.29 - 25.27) x 2.915	+ 23.39"
(b) When D is less than L/15 (if allowed).	(L/15 - D) x 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	36.75	36.75	7.5	-	36.75
" overhang
R.Q.D. enclosed
" overhang
Bridge enclosed	137.50	137.50	8.0	-	137.50
" overhang aft
" overhang forward
F'cle enclosed	38.17	38.17	7.5	-	38.17
" overhang	1.83	.9191
Trunks forward
" aft
Tonnage opening

TOTAL = 214.25 213.33

Length of ship (L) = 378.95 378.95

% Covered ... = 56.52 56.28

Corresponding %, corrected for absence of forecastle if required

A = - B = 42.28

Correction for Bridge less than 2L if required

362 L

Allowance ... = 40.60 x .4228 = -17.17"

SHEER.

Station.	Actual Sheer.	Standard Sheer.	Allowed Sheer.	S. M.	Products.
A.P. 1	46.25	47.90	46.25	1	46.25
2	19.75	21.3	19.75	4	79.00
3	4.94	...	4.94	2	9.88
4	4	...
5	9.52	...	9.52	2	19.04
6	38.1	42.6	38.10	4	152.40
F.P. 7	89	95.80	89.00	1	89.00

If excess sheer forward and deficient sheer aft :-

Actual sheer aft = Deficient
Standard sheer aft =
Actual sheer forward = do
Standard sheer forward =

Length of enclosed superstructure

L

Forward of amidships =

Aft of amidships =

Mean effective sheer ... = 395.57
Standard sheer .05L + 5 = 21.98
Difference (Df) = 1.97
Allowance = Df x (.75 - S/2L) = 1.97(.75 - .282) = .468
If limited on account of amidship superstructure =
If limited on account of excess sheer (1 1/2 in. per 100 ft.) =

ROUND OF BEAM.

Standard	12.72
Ship	11.50
Difference	1.22
Restricted to

Allowance = Difference/4 x (1 - S/L) = .30 x .437 = .13

TABULAR FREEBOARD (corrected for flush deck if required) =

Corrected for Coefficient

+ .68

1.36

Correction for Length

Superstructures

Sheer

Round of beam

Thickness of deck

Scantlings, etc.

Statutory deck line

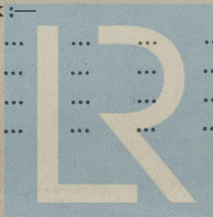
+	-
23.39	17.17
.92	
.13	
24.44	17.17

Summer Freeboard =

65.08

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	" "	...



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$$\begin{aligned} 40.00 - \frac{26 \times 2.25}{32} &= 40.00 - 1.83 \\ &= 38.17' \\ &= \underline{1.83'} \end{aligned}$$