

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD-STEAMERS.

Index No. 32744
(For London Office only.)

Part of Survey

Date of Survey 17-1-31

Name of Surveyor

Ship's Name.	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
<u>BRETAGNE</u>				<u>1928.</u>	<u>+100 A1.</u>
Number in Register Book					

Moulded dimensions 325 x 49.83 x 23

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

Coefficient of fineness for use with tables

not given

DEPTH FOR FREEBOARD.

Moulded depth	...	...	...	...	...	<u>23.00</u>
Stringer plate	...	...	...	...	...	<u>.04</u>
Sheathing in wells $T \left(\frac{L-S}{L} \right) =$	...	...	...	...	...	<u>-</u>
Depth <u>D</u> =	...	...	...	...	...	<u>23.04</u>

CORRECTION FOR LENGTH.

(a) When D is greater than $\frac{L}{15}$
 $\left(D - \frac{L}{15} \right) \times R = \left(23.04 - 21.67 \right) \times 2.5 = +3.42$ (b) When D is less than $\frac{L}{15}$ (if allowed). $\left(\frac{L}{15} - D \right) \times R =$

If restricted by height of superstructures

SUPERSTRUCTURES.

	Mean Covered Length S.	Equivalent Enclosed Length S ₁ .	Height.	Correction for Height.	Effective Length.
Poop enclosed	24.67	24.67	7'1"	-	24.67
" overhang					
R.Q.D. enclosed					
" overhang					
Bridge enclosed	155.00	139.50	7'6"	-	139.50
" overhang aft					
" overhang forward					
File enclosed	27.08	27.08	6'9"	-	27.08
" overhang					
Trunks forward 7.5×20	30.40	30.40	4'6"	45.74 x 4.5	30.50
" aft 42.5×40	17.05	15.34	4'6"	6.75	
Tonnage opening					

Standard $h_c = 6.75$

% Covered, not including trunks = .636.

TOTAL = 254.20 236.99 221.75Length of ship (L) = 325 325 325% Covered ... = 78.22 72.92 68.23Corresponding %, corrected for absence of forecastle if required } A = - B = 59.99 Correction for Bridge less than 2L if required } 429 L.Allowance ... = 37.00 x .5999 = -22.20

SHEER.

Station.	Actual Sheer.	Standard Sheer.	Allowed Sheer.	S. M.	Products.
A.P. 1	50.5	42.5	50.5	1	50.5
2	21.72		21.72	4	86.88
3			5.43	2	10.86
4				4	
5			10.86	2	21.72
6	43.45		43.45	4	173.80
F.P. 7	100	85.0	100.0	1	100.0

If excess sheer forward and deficient sheer aft :-

Actual sheer aft = ExcessStandard sheer aft = do.

Length of enclosed superstructure

L

Forward of amidships = .184Aft of amidships = .293

Mean effective sheer ... = 18 443.76

Standard sheer $.05L + 5 =$ 24.65

Difference (Df) ... = 21.25

Allowance = $Df \times \left(.75 - \frac{S}{2L} \right) = 3.40 \left(.75 - .318 \right) = 3.40 \times .432 = 1.47$

If limited on account of amidship superstructure .432

If limited on account of excess sheer ($1\frac{1}{2}$ in. per 100 ft.)

ROUND OF BEAM.

Standard	...	...	...	...	<u>11.96</u>
Ship	...	...	...	...	<u>12.25</u>
Difference	...	...	...	...	<u>.29</u>
Restricted to	...	...	...	...
Allowance = $\frac{\text{Difference}}{4} \times \left(1 - \frac{S}{L} \right) = .07 \times .364 = .03$					

TABULAR FREEBOARD (corrected for flush deck if required) = 49.70Corrected for Coefficient $\frac{+ .68}{1.36} =$

Correction for Length ... 3.42

" Superstructures ... 22.20

" Sheer ... 1.47

" Round of beam03

" Thickness of deck

" Scantlings, etc.

" Statutory deck line

Summer Freeboard =

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 $\left\{ \begin{array}{l} S \ 248'' \\ W \ 2411'' \end{array} \right.$



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