

# Lloyd's Register of Shipping.

## SURVEYS FOR FREEBOARD-STEAMERS.

Index No. \_\_\_\_\_  
(For London Office only.)Port of Survey \_\_\_\_\_  
Date of Survey 24-10-30  
Name of Surveyor \_\_\_\_\_

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

Moulded dimensions 402.08 x 53 x 28

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

Coefficient of fineness for use with tables \_\_\_\_\_

## DEPTH FOR FREEBOARD.

Moulded depth	...	...	...	...	...	28.00
Stringer plate	...	...	...	...	...	.04
Sheathing in wells $T \left( \frac{L-S}{L} \right) =$	...	...	...	...	...	
Depth D =	...	...	...	...	...	28.04 ✓

## CORRECTION FOR LENGTH.

(a) When D is greater than $\frac{L}{15}$	
$\left( D - \frac{L}{15} \right) \times R =$	$(28.04 - \frac{26.80}{24}) \times 3 = + 3.72$ ✓
(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 <sub>1</sub> .	Height.	Correction for Height.	Effective Length.
Poop enclosed	99.25	99.25	7.5	-	99.25 ✓
" overhang					
R.Q.D. enclosed					
" overhang					
Bridge enclosed	22.50	22.50	7.5	-	22.50 ✓
" overhang aft	3.00	2.25			2.25 ✓
" overhang forward					
F'cle enclosed	36.87	36.87	7.5	-	36.87 ✓
" overhang					
Trunks forward					
" aft					
Tonnage opening					

TOTAL =

Length of ship (L) = 402.08 402.08% Covered ... = 40.2 40.0Corresponding %, corrected for absence of forecastle if required } A = 31.0 B =Allowance ... = 42 x .31

Correction for Bridge less than 2L if required } =

= -13.02 ✓

## SHEER.

Station.	Actual Sheer.	Standard Sheer.	Allowed Sheer.	S. M.	Products.
A.P. 1	31.75	50.21	31.75	1	31.75
2	8.75		8.75	4	35.00
3	1.5		1.5	2	3.00
4	0		0	4	0.00
5	3.25		3.25	2	6.50
6	19		19	4	76.00
F.P. 7	64.06	100.42	64.06	1	64.06

If excess sheer forward and deficient sheer aft :-

Actual sheer aft =

Standard sheer aft =

Actual sheer forward =

Standard sheer forward =

Length of enclosed superstructure L

Forward of amidships =

Aft of amidships =

Mean effective sheer	...	...	...	...	...	12.02
Standard sheer .05L + 5 =	...	...	...	...	...	25.10
Difference (Df)	...	...	...	...	...	13.08
Allowance = $Df \times \left( .75 - \frac{S}{2L} \right) =$	...	...	...	...	...	13.08 (75 - 201)
If limited on account of amidship superstructure	...	...	...	...	...	542
If limited on account of excess sheer (1½ in. per 100 ft.)	...	...	...	...	...	

## ROUND OF BEAM.

Standard	...	...	...	...	...	12.72
Ship	...	...	...	...	...	13.25
Difference	...	...	...	...	...	.53
Restricted to	...	...	...	...	...	
Allowance = $\frac{\text{Difference}}{4} \times \left( 1 - \frac{S_1}{L} \right) =$	...	...	...	...	...	.13 x .6 = -.08

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

Corrected for Coefficient

794 + .68 = 1.474

1.36

Correction for Length

Superstructures

Sheer

Round of beam

Thickness of deck

Scantlings, etc.

Statutory deck line

+

-

3.72

7.18

13.02

.08

10.90

13.10

- 2.20

Summer Freeboard =

66.08 ✓

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	"	"	"	...	...