

Index No. 33018
(For London Office only.)

Port of Survey

Date of Survey 19/3/31

Name of Surveyor

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD-STEAMERS.

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

Moulded dimensions 415.0' x 55.5' x 28.25'

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

Coefficient of fineness for use with tables

Not yet received

DEPTH FOR FREEBOARD.

Moulded depth	...	...	...	...	...	28.25
Stringer plate	...	...	...	...	...	.04
Sheathing in wells	$T \left(\frac{L-S}{L} \right) =$	...	...	...	...	-
Depth D =	...	...	...	...	...	28.29

CORRECTION FOR LENGTH.

(a) When D is greater than $\frac{L}{15}$	$(D - \frac{L}{15}) \times R = \dots$	$(28.29 - 27.67) \times 3 = .62$	+ 1.86
(b) When D is less than $\frac{L}{15}$ (if allowed).	$(\frac{L}{15} - D) \times R = \dots$		
If restricted by height of superstructures	...	...	...

SUPERSTRUCTURES.

	Mean Covered Length S.	Equivalent Enclosed Length S ₁ .	Height.	Correction for Height.	Effective Length.
Poop enclosed	30.0	30.0	8-9	-	30.0
" overhang					
R.Q.D. enclosed					
" overhang					
Bridge enclosed					
" overhang aft					
" overhang forward					
F'cle enclosed					
" overhang					
Trunks - forward					
" aft					
Tonnage opening	5.25	2.62	-	-	2.62

Superstructure
 Stand. Height = 7.5'
 Actual " = 8.75'
 1.25' = 15"

TOTAL =

Length of ship (L) = 415.0% Covered ... = 100%

Corresponding %, corrected for absence of fore-castle if required } A =

Allowance ... = 42.0B = 99.22

Correction for Bridge less than 2L if required } -

= 41.67

SHEER.

Station.	Actual Sheer.	Standard Sheer.	Allowed Sheer.	S. M.	Products.
A.P. 1	57.0	51.5	57.0	1	57.0
2	25.36	22.91	25.36	4	101.44
3	6.27	5.66	6.27	2	12.54
4	-	-	-	4	-
5	12.21	11.32	12.21	2	24.42
6	49.4	45.82	49.40	4	197.60
F.P. 7	111.0	103.0	111.00	1	111.00

If excess sheer forward and deficient sheer aft:

Actual sheer aft = excess
 Standard sheer aft = excess
 Actual sheer forward = excess
 Standard sheer forward = excess

Length of enclosed superstructure L

Forward of amidships = 6.85
 Aft of amidships =

Mean effective sheer ...	...	...	...	...	...	18) 504.00
Standard sheer .05L + 5 =	...	...	...	...	...	28.00
Difference (Df)	...	...	...	...	...	25.75
Allowance = $Df \times \left(\frac{.75 - S}{2L} \right) =$	...	...	...	...	...	2.25
If limited on account of amidship superstructure	...	...	...	...	...	.25
If limited on account of excess sheer (1½ in. per 100 ft.)	...	...	...	...	...	- .56

ROUND OF BEAM.

Standard	...	...	...	...	13.32
Ship	...	...	...	...	13.75
Difference	...	...	...	...	.43
Restricted to	...	...	...	...
Allowance = $\frac{\text{Difference}}{4} \times \left(1 - \frac{S}{L} \right) =$	...	...	...	...	.11 x .006

28.29

TABULAR FREEBOARD (corrected for flush deck if required) =

Corrected for Coefficient $\times \frac{.68}{1.36} =$

	+	-
Correction for Length	1.86	
" Superstructures		41.67
" Sheer		.56
" Round of beam		
" Thickness of deck		
" Scantlings, etc.		
" Statutory deck line		
	1.86	42.23

40.34

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	"	...

3-6½
 4-0¼

Summer Freeboard =

Lloyd's Register Foundation

W993B-0172

RETAIL

RETAIL



© 2020

Lloyd's Register Foundation