

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD-STEAMERS.

Port of Survey Glasgow
Date of Survey 1929
Name of Surveyor +

Ship's Name.	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
<u>ARMADALE</u>		<u>161299</u>		<u>1929</u>	<u>+ 100 A1 with fld.</u>
Number in Register Book					

Moulded dimensions 410' x 54' x 29.83
 Moulded displacement at a moulded draught of 85 per cent. of moulded depth 12030
 Coefficient of fineness for use with tables .450

DEPTH FOR FREEBOARD.

Moulded depth	...	...	...	...	...	29.83
Stringer plate	...	...	...	...	...	.04
Sheathing in wells $T \left(\frac{L-S}{L} \right) =$	...	...	...	...	...	-
Depth D =	...	...	...	...	...	29.84

CORRECTION FOR LENGTH.

(a) When D is greater than $\frac{L}{15}$	
$\left(D - \frac{L}{15} \right) \times R =$	$(29.84 - 27.33) \times 3 = +4.62$
(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	40.08	38.45	8' 4 1/2"	✓	38.45
" overhang					
R.Q.D. enclosed					
" overhang					
Bridge enclosed					
" overhang aft	364.59	363.93	8' 4 1/2"	✓	363.93
" overhang forward					
F'cle enclosed					
" overhang					
Trunks forward					
" aft					
Tonnage opening					2.66

Actual ht 8' 4 1/2"
 Standard ht 7' 6"
10.8"

TOTAL =

Length of ship (L) = 410.0

% Covered ... = 100.0

Corresponding %, corrected for absence of forecastle if required

A =

B =

Allowance ... = 42.00

Correction for Bridge less than 2L if required

= -41.53

SHEER.

Station.	Actual Sheer.	Standard Sheer.	Allowed Sheer.	S. M.	Products.
A.P. 1	54.0 + 10.5	51.00	64.5	1	64.5
2			36.28	4	145.12
3			16.12	2	32.24
4			4.03	4	16.12
5			8.90	2	17.80
6			35.62	4	142.48
F.P. 7	102.0 + 10.5	102.00	80.15	4	320.60

If excess sheer forward and deficient sheer aft:—

Actual sheer aft = Excess

Standard sheer aft = Excess

Length of enclosed superstructure L

Forward of amidships = 3 C.S.S.

Aft of amidships =

Mean effective sheer	...	...	...	...	...	24.48
Standard sheer .05L + 5 =	...	...	...	...	...	...
Difference (Df)	...	...	...	...	...	...
Allowance = $Df \times \left(75 - \frac{S}{2L} \right) =$	...	...	...	...	...	9.00 x .25 =
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	...	...	...	...	...	12.96
Ship	...	...	...	...	...	13.50
Difference	...	...	...	...	...	.54
Restricted to	...	...	...	...	...	...
Allowance = $\frac{\text{Difference}}{4} \times \left(1 - \frac{S_1}{L} \right) =$	...	...	...	...	...	.54 x .009 =

FREEBOARD (corrected for flush deck if required) = 44.60

Coefficient $\frac{.450 + .68}{1.36} = 1.051$ = 46.44

	+	-
Length	4.62	
Superstructures		41.53
Sheer		2.25
of beam		
of deck		
etc.		
ck line		

Summer Freeboard = 42.28

FREEBOARD recommended amidships from centre of Disc to top of St

Fresh Water Line above cent

Indian Summer Line " "

Winter Line below

Winter North Atlantic Line



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