

As a Steamer

JAN 7 1938

26038

# Lloyd's Register of Shipping

## SURVEYS FOR FREEBOARD - STEAMERS

(Under the Provisions of the U. S. A. Load Line Act of March 2, 1929)

New York Office Index No.

Port of Survey

Date of Survey 7th Dec 1937

Name of Surveyor

Ship's Name.	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
ending Gulf	Boston U.S.A.	216767	5438	1918-8	+100A1.

Builder..... Hull No. 1921

Moulded dimensions 377.33 x 55.00 x 34.42 (85% = 29.26)

Moulded displacement at a moulded draught of 85 per cent. of moulded depth 133.20 Tons

Coefficient of fineness for use with tables 768

FOR FREEBOARD.		CORRECTION FOR DEPTH.		CAMBER
Forecast	34.42	(a) When D is greater than $\frac{L}{15}$		Standard $\frac{\times 12}{50} = \dots 13.20$
	.06	$(D - \frac{L}{15}) \times R = (34.42 - 29.26) \times 3 = +27.08$		Ship $\dots 13.75$
		(b) When D is less than $\frac{L}{15}$ (if allowed)		Difference $\dots 55$
		$(\frac{L}{15} - D) \times R = \dots$		Restricted to $\dots$
Depth D =	34.48	If restricted by height of superstructures		Allowance = $\frac{\text{Difference}}{4} \times (1 - \frac{S}{L}) = \frac{55 \times .653}{4} = -09$

### SUPERSTRUCTURES.

	Mean Covered Length S.	Effective Length S. (Uncorrected for Height)	Height.	Correction for Height.	Effective Length.
used	26.50	26.50	8.0	✓	26.50
ang					
used					
ang					
used	67.50	67.50	8.0	✓	67.50
ang aft	8.00	6.00	8.0	✓	6.00
ang forward					
used	31.00	31.00	8.0	✓	31.00
ang					
rd					
ang					

Total = 133.00 131.00 131.00

Length of ship (L) = 377.33 377.33 377.33

% Covered... = 35.25% 34.71% 34.71%

%, corrected for castle if required } A = 19.00 B = 23.00

Correction for Bridge less than 2 L if required } 22.9%

Allowance ... = 40.49 x .229 = -9.27

### SHEER.

Actual Sheer.	Standard Sheer.	Allowed Sheer.	S. M.	Products.
16.75	47.73	16.75	1	16.75
1.70	21.00	1.70	4	6.80
.40	5.25	.40	2	.80
			4	
5.85	10.50	5.85	2	11.70
23.40	42.00	23.40	4	93.60
81.00	95.46	81.00	1	81.00

If excess sheer forward and deficient sheer aft:-

Actual sheer aft = Deficient

Standard sheer aft

Actual sheer forward = Deficient

Standard sheer forward

Length of enclosed superstructure  $\frac{73.50}{377.33} = 19.48\%$

Forward of amidships =

Aft of amidships =

(Rule 96) 18) 210.65

sheer ... = 11.70

.05 L + 5 = 23.87

... = 12.17

$\times (.75 - \frac{S}{2L}) = 12.17 (.75 - .176) = +6.99$

count of amidship superstructure = ✓

count of excess sheer (1½ in. per 100 ft.) = ✓

DRAFTS.	F. W. ALLOWANCE	TABULAR FREEBOARD (corrected for flush deck if required)
	Displacement =	Corrected for Coefficient $\frac{768 + .68}{1.36} = \frac{1.448}{1.36} = 64.60$
	Tons per inch =	
		Correction for Depth 27.08
		" Superstructures 9.27
		" Sheer 6.99
		" Camber .09
		" Thickness of deck
		" Scantlings, etc.
	40 x	34.07 9.36 + 24.71
		Summer Freeboard = 93.49

FREEBOARD amidships from Centre of Disc to top of Deck Line, Wood, Steel, Upper Deck:-

Tropical Fresh Water Line (above center of Disc) Tropical Fresh Water Freeboard

Fresh Water Line " " Fresh Water

Tropical Line " " Tropical

Winter Line (below " " Winter

Winter North Atlantic Line " " Winter North Atlantic

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