

# 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.....

Name of Surveyor.....

Ship's Name. <b>"WINDING GULF"</b>	Port of Registry and Nationality. <b>BOSTON U.S.A.</b>	Official Number. <b>216767</b>	Gross Tonnage. <b>5438</b>	Date of Build. <b>1918 8 mo.</b>	Particulars of Classification. <b>+100 A1</b>
Number in Register Book... <b>38694</b>					
Owner... <b>Myatic S. S. Co.</b>		Builder... <b>New York S. S. Corp.</b>		Hull No. <b>192</b>	
Moulded dimensions <b>377.33</b> × <b>55</b> × <b>34.42</b> (85% = <b>29.26</b> )					
Moulded displacement at a moulded draught of 85 per cent. of moulded depth... <b>13320 Tons</b>					
Coefficient of fineness for use with tables... <b>.768</b>					

DEPTH FOR FREEBOARD.	CORRECTION FOR DEPTH.	CAMBER
Moulded depth ... <b>34.42</b>	(a) When <b>D</b> is greater than $\frac{L}{15}$	Standard $\frac{55 \times 12}{50} = \dots$ <b>13.20</b>
Plating in wells $T \left( \frac{L-S}{L} \right) = \dots$	$(D - \frac{L}{15}) \times R = \frac{(34.42 - 29.26) \times 9.33}{2.903} = \dots$ <b>+ 27.08</b>	Ship ... <b>13.75</b>
Depth <b>D</b> = <b>34.48</b>	(b) When <b>D</b> is less than $\frac{L}{15}$ (if allowed).	Difference ... <b>.55</b>
	$(\frac{L}{15} - D) \times R = \dots$	Restricted to ...
	If restricted by height of superstructures ...	Allowance = $\frac{\text{Difference}}{4} \times (1 - \frac{S}{L}) = \frac{.55}{4} \times .653 = \dots$ <b>.09</b>

## SUPERSTRUCTURES.

	Mean Covered Length S.	Effective Length S <sub>1</sub> (Uncorrected for Height)	Height.	Correction for Height.	Effective Length.
Poop enclosed ...	2 65 0	2 65 0	8 ft.	-	2 65 0
" overhang ...					
R.Q.D. enclosed ...					
" overhang ...					
Bridge enclosed ...	6 75 0	6 75 0	8 ft.	-	6 75 0
" overhang aft ...	8 0 0	6 0 0			6 0 0
" overhang forward ...					
F'cle enclosed ...	3 10 0	3 10 0	8 ft.	-	3 10 0
" overhang ...					
Trunks forward ...					
" aft ...					
Tonnage opening ...					

TOTAL =  $\frac{133.00}{377.33} = 35.25\%$   $\frac{131.00}{377.33} = 34.71\%$   $\frac{131.00}{377.33} = 34.71\%$

Length of ship (L) = **377.33**

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

Corresponding %, corrected for absence of forecastle if required } **A = 19.0035%** **B = 23.0035%** Correction for Bridge less than  $\frac{1}{2} L$  if required } **22.896**

Allowance ... = **40.49** × **.22896** = **-9.27**

## SHEER.

Station.	Actual Sheer.	Standard Sheer.	Allowed Sheer.	S. M.	Products.
A.P. 1	1 6.7 5	4 7.7 3	1 6.7 5	1	1 6.7 5
2	1.7 0	2 1.0 0	1.7 0	4	6.8 0
3	.4 0	5.2 5	.4 0	2	.8 0
4				4	
5	5.8 5	1 0.5 0	5.8 5	2	1 1.7 0
6	2 3.4 0	4 2.0 0	2 3.4 0	4	9 3.6 0
F.P. 7	8 1.0 0	9 5.4 6	8 1.0 0	1	8 1.0 0

If excess sheer forward and deficient sheer aft:—

Actual sheer aft =

Standard sheer aft =

Actual sheer forward =

Standard sheer forward =

Length of enclosed superstructure **73.50** = **19.48%**

Forward of amidships =

Aft of amidships =

Mean effective sheer ... =  $\frac{210.65}{18} = 11.70$

Standard sheer  $\frac{1}{5} L + 5 = \dots = 23.87$

Difference (Df) ... =  $\frac{12.17}{6.99} = 1.76$

Allowance =  $Df \times \left( .75 - \frac{S}{2L} \right) = 12.17 (.75 - .176) = 4.69$

If limited on account of amidship superstructure ... =

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

DRAFTS.	F. W. ALLOWANCE	TABULAR FREEBOARD (corrected for flush deck if required) =	64.60
Moulded Depth <b>D</b> = <b>34' 5"</b>	Displacement =	Corrected for Coefficient $\frac{.768 + .68}{1.36} = \frac{1.448}{1.36} =$	68.78
Plating in Wells (Wood Deck) = <b>34' 5"</b>	Tons per inch =	Correction for Depth ... <b>27.08</b>	
Board = <b>7' 8"</b>		" Superstructures ... <b>9.27</b>	
Moulded draught = <b>26' 9"</b>		" Sheer ... <b>6.99</b>	
Correction for keel below base line = <b>2"</b>		" Camber ... <b>.09</b>	
Net draught = <b>26' 11"</b>		" To correspond with present S.O.T. assignment <b>.99</b>	
		<b>34.07</b> <b>10.35</b> <b>+ 23.72</b>	
		Summer Freeboard =	<b>92.50</b>

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

Tropical Fresh Water Line (above center of Disc)	13 1/2"	Tropical Fresh Water Freeboard ...	7' 8 1/2"
Fresh Water Line	6 1/2"	Fresh Water	7' 1 1/2"
Tropical Line	6 1/2"	Tropical	7' 1 1/2"
Winter Line (below " " )	6 1/2"	Winter	8' 3 1/2"
Winter North Atlantic Line	-	Winter North Atlantic	-

7' 8 1/2"

6' 1 1/2"

7' 1 1/2"

7' 1 1/2"

8' 3 1/2"

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