

# DISCLOSED SECTION

## Lloyd's Register of Shipping.

### SURVEYS FOR FREEBOARD.

Index. No. 31249  
(For London Office only.)

No. 472

Computation of Freeboard for Steamer, Sailing Ship, Tanker  
having Forecastle - R.Q. Deck

(Type of Superstructures.)

Ship's Name <u>LOUIE ROSE.</u>	Nationality and Port of Registry <u>British Liverpool.</u>	Official Number <u>147265.</u>	Gross Tonnage <u>1596</u>	Date of Build <u>1924.</u>
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Moulded Dimensions: Length 250.0 Breadth 37.0 Depth 18.5.  
Moulded displacement at moulded draught = 85 per cent. of moulded depth  
Coefficient of fineness for use with Tables .770

Port of Survey  
Date of Survey  
Name of Surveyor  
Particulars of Classification

<p>Depth for Freeboard (D)</p> <p>Moulded depth ... ..</p> <p>Stringer plate ... ..</p> <p>Sheathing on exposed deck <math>T \left( \frac{L-S}{L} \right) =</math></p> <p>Depth for Freeboard (D) = <u>18.54</u></p>	<p>Depth correction</p> <p>(a) Where D is greater than Table depth (D - Table depth) R = <u>+3.60</u></p> <p>(b) Where D is less than Table depth (if allowed) (Table depth - D) R =</p> <p>If restricted by superstructures</p>	<p>Round of Beam correction</p> <p>Moulded Breadth (B)</p> <p>Standard Round of Beam = <math>\frac{B \times 12}{50} =</math></p> <p>Ship's Round of Beam =</p> <p>Difference</p> <p>Restricted to</p> <p>Correction = <math>\frac{\text{Diff}^e}{4} \times \left( 1 - \frac{S_1}{L} \right) =</math></p>
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## DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S <sub>1</sub> )	Height	Height Correction	Effective Length (E)	
Poop enclosed ... ..						
" overhang ... ..						
R.Q.D. enclosed ... ..						
" overhang ... ..						
Bridge enclosed ... ..						
" overhang aft ... ..						
" overhang forward ... ..						
Forecastle enclosed ... ..						
" overhang ... ..						
Trunk aft ... ..						
" forward ... ..						
Tonnage opening aft ... ..						
" forward ... ..						
Total ... ..						

Standard Height of Superstructure  
" " R.Q.D.  
Deduction for complete superstructure 31.0  
Percentage covered  $\frac{S}{L} =$   
" "  $\frac{S_1}{L} =$   
" "  $\frac{E}{L} = \underline{77.64}$   
Percentage from Table, Line A.  
(corrected for absence of forecastle (if required))  
Percentage from Table, Line B: 82.48  
(corrected for absence of forecastle (if required))  
Interpolation for bridge less than 2L (if required)  
Deduction = 31.0 × 82.48 = -25.57

## SHEER CORRECTION.

Station	Standard Ordinate	S	M	Product	Actual Ordinate	Effective Ordinate	S	M	Product	
A.P. ... ..		1					1			
1/2 L from A.P. ... ..		4					4			
" ... ..		2					2			
amidships ... ..		4					4			
3/4 L from F.P. ... ..		2					2			
1/2 L " ... ..		4					4			
F.P. ... ..		1					1			
Total ... ..										

Correction =  $\frac{\text{Difference between sums of products}}{18} \left( 75 - \frac{S}{2L} \right) =$   
If limited on account of midship superstructure.  
Mean actual sheer aft =  
Mean standard sheer aft =  
Mean actual sheer forward =  
Mean standard sheer forward =  
Length of enclosed superstructure forward of amidships =  
" " aft of " =  
If limited to maximum allowance of 1 1/2 ins. per 100 ft.

## Deduction for Tropical Freeboard.

## Addition for Winter and Winter North Atlantic Freeboard.

Depth to Freeboard Deck = 22.50  
Summer freeboard = 4.92  
Moulded draught (d) = 17.58

## Deduction for Tropical freeboard and addition for

Winter freeboard =  $\frac{d}{4}$  inches = 4.39 = 4 1/2Addition for Winter North Atlantic Freeboard (if required) =  $\frac{d}{3} = 5.86 = 5 3/4$ 

## Deduction for Fresh Water.

Displacement in salt water at summer load water line

 $\Delta =$ 

Tons per inch immersion at summer load water line

T =

Deduction =  $\frac{\Delta}{40T}$  inches  
= 4 1/2

## TABULAR FREEBOARD corrected for Flush Deck (if required)

Correction for coefficient

	+	-
Depth Correction ... ..	<u>3.60</u>	-
Deduction for superstructures ... ..	-	<u>25.57</u>
Sheer correction ... ..	-	<u>1.34</u>
Round of Beam correction ... ..	-	<u>.01</u>
Correction for Thickness of Deck amidships ... ..	-	-
Other corrections, scantlings, etc. ... ..	<u>48.00</u>	-
	<u>51.60</u>	<u>26.92</u>
Summer Freeboard =	<u>59.12</u>	

34.44

TIMBER SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, Wood, Steel, Deck: 4'-11"TIMBER Tropical Fresh Water Line above Centre of Disc ... 14 1/2"Fresh Water Line " " ... 10"Tropical Line " " ... 10"Winter Line below " " ... 4 1/2"Winter North Atlantic Line " " ... 6 1/4"TIMBER Tropical Fresh Water Freeboard ... 4'-2 1/2"Fresh Water " " ... 4'-6 1/2"Tropical " " ... 4'-6 1/2"Winter " " ... 5'-4 1/2"Winter North Atlantic " " ... 5'-10 1/2"