

Lloyd's Register of Shipping.

Ship's Name. <i>Carronark</i>		Port of Registry and Nationality.		Official Number.		Gross Tonnage.		Date of Build. <i>Nov 1923</i>		Particulars of Classification.	
Number in Register Book _____											
Registered dimensions from Ship's Register.		LENGTH.		BREADTH.		DEPTH.					
Length on LOAD LINE.		<i>299.75</i>									
Block co-efficient of fineness at a draught equal to 85 % of Moulded Depth to Freeboard Deck.										Moulded Depth as measured <i>24-3</i> Thickness of Stringer Plate ^{and/or} Wood Deck amidships <i>1 1/2</i> Correction for Sheathing if required _____ Depth to use with Table <i>24-3 1/2</i>	
										$\left. \begin{array}{l} \text{Block co-efficient of fineness at a} \\ \text{draught equal to 85 \% of Moulded} \\ \text{Depth to Freeboard Deck.} \end{array} \right\} = .77$	

CORRECTION FOR SHEATHING ON FREEBOARD DECK.

Position.

Thickness in inches \times Length covered in feet =

\div Length on W. L. =

Correction =

CORRECTION FOR ROUND OF BEAM.

Moulded Breadth 43.5

Round of Beam 11.0

Standard $\frac{1}{80}$ Moulded Breadth 10.43

Difference..... 57 \div 4 = 14

- 14

ALLOWANCE FOR DECK ERECTIONS:—				
	Length.	Height.	% Table 2.	Height corr ⁿ . Length allowed.
Forecastle enclosed				
„ overhang				
Bridge House enclosed				
„ overhang for ^d				
„ „ aft.				
Raised Qr. Dk. enclosed				
Poop enclosed				
„ overhang				
Total				
Length of Ship				
Type factor.		Effective ratio.	Difference.	
Allowance = 1.0 ×		493	× 17.85 × 2 = -17.58	

$$\begin{aligned} L/12 &= 24.98 \\ D &= 24.29 \\ 2 \sqrt{49.27} &= 24.63 \\ 100 \div 2 &= 42.70 \\ \text{Allow } 50\% &= 17.85 \\ 24.85 & \\ 148.04 & \\ 8.0 & \\ \hline 156.04 & \\ 299.75 & = .522 \end{aligned}$$

$$10 \times .022 \times 24.85 \times 2 = 10.9$$

$$18.0$$

$$19.09$$

$$.493$$

CORRECTION FOR LENGTH.					
Length of Ship on Load line	299.75	Correction up to 400 feet	...	0.0031L + .05	0.029975
Length in Table	291.5		=	+ .05	109975
Difference	8.25		=	Flush Deck.	
Correction	109975	Correction exceeding 400 feet	=	.17	
	+ .91	With Deck Erections	=	$(\text{Flush Deck}) \times (1 - \frac{r}{2})$	
			=	x	=
		(r = effective ratio.)			

Sheer in inches.	Products.	
1		
4	8.33	Standard Sheer = $\frac{0.05L}{4} + 8$ if Forecastle fitted =
2		= $\frac{0.05L}{4} + 16$ if no Forecastle fitted =
4		
2	17.03	
4		
1		
18)		If excess standard—no allowance.
an Sheer =	25.36	If deficiency, add $\left\{ \begin{array}{l} \frac{3}{4} \text{ amount for Flush Deck Vessels and Vessels without Forecastles.} \\ \frac{5}{8} \text{ amount for Vessels having Forecastles but no Poops.} \\ \frac{1}{2} \text{ amount for Vessels having Forecastles and Poops.} \end{array} \right.$
Standard =	17.98	
Deficiency or excess =	7.38	
limited	-2.00	

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

Winter North Atlantic line

1,10,22.—T.

Winter North Atlantic line
Same freeboard as at present could be obtained by increasing the length of the erection 8 feet. The sheer could be reduced 12" forward & 12" aft without affecting the freeboard.

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