

28 DEC 1949

40476

Index No. (For London Office only).

Modification on account

of strengthening for

9" more draught.

# Lloyd's Register of Shipping.

## SURVEYS FOR FREEBOARD.

(COMPUTATION FOR STEAMER, SAILING SHIP, TANKER.)

Ship's Name <b>"CHETICAMP"</b>	Official Number 175613	Nationality and Port of Registry British Halifax N.S.	Gross Tonnage 7160	Date of Build 1944	Port of Survey Montreal, P.Q.
Moulded Dimensions: Length Breadth Depth					Date of Survey 7th November, 1949
Moulded displacement at moulded draught = 85 per cent. of moulded depth: _____ tons					Surveyor's Signature <i>Ala. P. ...</i>
Coefficient of fineness for use with Tables _____					Particulars of Classification BS* (WITH FREEBOARD)
Depth for Freeboard (D).		Depth correction.		Round of Beam correction.	
Moulded depth ... ..		(a) Where D is greater than Table depth (D—Table depth) R=		Moulded Breadth (B)	
Stringer plate ... ..		(b) Where D is less than Table depth (if allowed) (Table depth—D) R=		Standard Round of Beam = $\frac{B \times 12}{50}$ =	
Sheathing on exposed deck $T \left( \frac{L-S}{L} \right) =$		If restricted by superstructures		Ship's Round of Beam =	
Depth for Freeboard (D) =				Difference	
				Restricted to	
				Correction = $\frac{\text{Diff}^a}{4} \times \left( 1 - \frac{S_1}{L} \right) =$	

## 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 ... ..					
F'cle enclosed ... ..					
" overhang ... ..					
Trunk aft ... ..					
" forward ... ..					
Tonnage opening aft ... ..					
" " forward ... ..					
Total ... ..					

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

## SHEER CORRECTION.

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

$$\text{Correction} = \frac{\text{Difference between sums of products}}{18} \left( .75 - \frac{S}{2L} \right) =$$

If limited on account of midship superstructure.

$$\frac{\text{Mean actual sheer aft}}{\text{Mean standard sheer aft}} =$$

$$\frac{\text{Mean actual sheer forward}}{\text{Mean standard sheer forward}} =$$

$$\frac{\text{Length of enclosed superstructure}}{L} \text{ forward of amidships} =$$

$$\text{" " aft of " " } =$$

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.

$$\begin{aligned} \text{Depth to Freeboard Deck} &= 37.39 \\ \text{Summer freeboard} &= 9.79 \\ \text{Moulded draught (d)} &= 27.60 \end{aligned}$$

Deduction for Tropical freeboard and addition for Winter freeboard =  $\frac{d}{4}$  inches =  $\frac{27.6}{4} = 6.9$  inches = 7"  
Addition for Winter North Atlantic Freeboard (if required) = Not required.

Deduction for Fresh Water.

$$\begin{aligned} \text{Displacement in salt water at summer load water line} \\ \Delta = 14207 \text{ tons} \\ \text{Tons per inch immersion at summer load water line} \\ T = 48.4 \\ \text{Deduction} = \frac{\Delta}{40T} \text{ inches} \\ = 7.33 \\ = 7-1/4" \end{aligned}$$

TABULAR FREEBOARD corrected for Flush Deck (if required)

Correction for coefficient. $\frac{.7724 + .68}{1.36}$	1.4524	83.26
	1.36	88.91
Depth Correction ... ..	28.69	-
Deduction for superstructures ... ..	-	-
Sheer correction ... ..	-	.45
Round of Beam correction ... ..	-	.09
Correction for Thickness of Deck amidships ... ..	-	-
Other corrections, scantlings, etc. to correspond with Summer moulded draught of 27.6 feet.	.42	-
	29.11	.54
		+ 28.57
		Summer Freeboard = 117.48"

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

Tropical Fresh Water Line above Centre of Disc ... ..	14-1/4"	Tropical Fresh Water Freeboard ... ..	8'-9 1/2"
Fresh Water Line " " ... ..	7-1/4"	Fresh Water " " ... ..	8'-7 1/4"
Tropical Line " " ... ..	7"	Tropical " " ... ..	9'-2 1/4"
Winter Line below " " ... ..	7"	Winter " " ... ..	9'-2 1/4"
Winter North Atlantic Line " " ... ..	...not assigned	Winter North Atlantic " " ... ..	10'-4 1/2"



A new form should be prepared if any alterations that affect the freeboard have been made. If no such alterations have been made, the Surveyor should endorse the form on this side with his signature and the date.

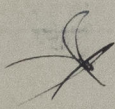
Trade of ship.....

Names of sister ships.....

Builder's name and yard number.....

Owners.....

Fee £.....





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