

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

(COMPUTATION FOR STEAMER, SAILING SHIP, TANKER.)

Modification on account
of strengthening for
9" more draught.

Ship's Name "CHETICAMP"	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. [Signature]</i>
Coefficient of fineness for use with Tables _____					Particulars of Classification BS* (WITH FREEBOARD)

Depth for Freeboard (D). Moulded depth Stringer plate Sheathing on exposed deck $T \left(\frac{L-S}{L} \right) =$ Depth for Freeboard (D) = _____	Depth correction. (a) Where D is greater than Table depth (D-Table depth) R= (b) Where D is less than Table depth (if allowed) (Table depth-D) R= If restricted by superstructures	Round of Beam correction. Moulded Breadth (B) Standard Round of Beam = $\frac{B \times 12}{50} =$ Ship's Round of Beam = Difference Restricted to Correction = $\frac{\text{Diff}^2}{4} \times \left(1 - \frac{S_1}{L} \right) =$
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DEDUCTION FOR SUPERSTRUCTURES.

Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	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 = $\frac{S_1 E}{L} =$

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									

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 " =

Correction = $\frac{\text{Difference between sums of products}}{18} \left(.75 - \frac{S}{2L} \right) =$
 If limited on account of midship superstructure.
 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. Ft. Depth to Freeboard Deck = 37.39 Summer freeboard = 9.79 Moulded draught (d) = 27.60 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. Displacement in salt water at summer load water line $\Delta = 14207$ tons Tons per inch immersion at summer load water line $T = 48.4$ Deduction = $\frac{\Delta}{40T}$ inches = 7.33 inches = 7-1/4"	TABULAR FREEBOARD corrected for Flush Deck (if required) 83.26 Correction for coefficient. $\frac{.7724 + .68}{1.36} = \frac{1.4524}{1.36}$ 88.91 Depth Correction 28.69 Deduction for superstructures Sheer correction45 Round of Beam correction09 Correction for Thickness of Deck amidships Other corrections, scantlings, etc. correspond with Summer moulded draught of 27.6 feet. 29.11 .54 + 28.57 Summer Freeboard = 117.48"
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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 1/2"
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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Foundation