

Lloyd's Register of Shipping.  
SURVEYS FOR FREEBOARD.  
(COMPUTATION FOR STEAMER, SAILING SHIP, TANKER.)

Ship's Name	Official Number	Nationality and Port of Registry	Gross Tonnage	Date of Build	Port of Survey
S. S. "ASHBY PARK"	175620	CANADIAN MONTREAL	2894 Approx.	1944	Pictou, Nova Scotia
Moulded Dimensions: Length Breadth Depth					Date of Survey
Moulded displacement at moulded draught = 85 per cent. of moulded depth tons					During construction
Coefficient of fineness for use with Tables					Surveyor's Signature
					+100 Al (Contemplated) J. H. Nain
					Particulars of Classification
					↓

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 ...	+ 10.80	Standard Round of Beam = $\frac{B \times 12}{50}$ =
Sheathing on exposed deck $T \left( \frac{L-S}{L} \right) =$	(b) Where D is less than Table depth (if allowed) (Table depth-D) R =	Ship's Round of Beam =
Depth for Freeboard (D) =	If restricted by superstructures	Difference
		Restricted to
		Correction = $\frac{\text{Diff}}{4} \times \left( 1 - \frac{S_1}{L} \right) = +.02$

DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S <sub>1</sub> )	Height	Height Correction	Effective Length (E)	
Poop enclosed ...						Standard Height of Superstructure
" overhang ...						" " R.Q.D.
R.Q.D. enclosed ...						Deduction for complete superstructure 36.00 <sup>3</sup>
" overhang ...						Percentage covered $\frac{S}{L} =$
Bridge enclosed ...						" " $\frac{S_1}{L} =$
" overhang aft ...						" " $\frac{E}{L} = 48.22$
" overhang forward						Percentage from Table, Line A.
F'cle enclosed ...						(corrected for absence of forecastle (if required))
" overhang ...						Percentage from Table, Line B Timber 68.14
Trunk aft ...						(corrected for absence of forecastle (if required))
" forward ...						Interpolation for bridge less than 2L (if required)
Tonnage opening aft ...						Deduction = 36.00 <sup>3</sup> x .6814 = -24.53 ins.
" " forward						
Total ...						

SHEER CORRECTION.

Station	Standard Ordinate	S M	Product	Actual Ordinate	Effective Ordinate	S M	Product	
A.P. ...		1				1		Mean actual sheer aft =
1/4 L from A.P. ...		4				4		Mean standard sheer aft =
3/8 L " ...		2				2		Mean actual sheer forward =
Amidships ...		4				4		Mean standard sheer forward =
3/8 L from F.P. ...		2				2		Length of enclosed superstructure forward of amidships =
1/4 L " ...		4				4		" " aft of " =
F.P. ...		1				1		
Total ...								

Correction =  $\frac{\text{Difference between sums of products}}{18} \left( \frac{75-S}{2L} \right) = + 6.18$   
If limited on account of midship superstructure.

If limited to maximum allowance of 1 1/2 ins. per 100 ft.

Deduction for Tropical Freeboard.	Deduction for Fresh Water.	TABULAR FREEBOARD corrected for Flush Deck (if required)
Addition for Winter and Winter North Atlantic Freeboard.	Displacement in salt water at summer load water line	Correction for coefficient
Depth to Freeboard Deck = 25.20'	Δ = 6935	48.63
Summer freeboard = 3.44'	Tons per inch immersion at summer load water line	+ 75
Moulded draught (d) = 21.76'	T = 29.3	-
Deduction for Tropical freeboard and addition for Winter freeboard = $\frac{d}{4}$ inches = 5.44 = 5 1/2"	Deduction = $\frac{\Delta}{40T}$ inches = $\frac{6935}{40 \times 29.3}$ = 5.93 or 6 ins.	10.80
Addition for Winter North Atlantic Freeboard (if required) = $d/3 = 7.25 = 7 1/4$		24.53
		6.18
		.02
		16.95
		17.00
		24.53
		-7.53
		Summer Freeboard = 41.107

TIMBER	SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, Wood, Steel, Deck:	3 1/2"
Timber	Tropical Fresh Water Line above Centre of Disc	23 1/2"
"	Fresh Water Line	18"
"	Tropical Line	17 1/2"
"	Winter Line	4 1/2"
"	Winter North Atlantic Line	7 1/4"
"	SUMMER LINE ABOVE	12"
Timber	Tropical Fresh Water Freeboard	21 1/2"
"	Fresh Water	21 1/4"
"	Tropical	21 1/4"
"	Winter	4 1/2"
"	Winter North Atlantic	5 1/2"

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Lloyd's Register Foundation

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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.

Names of sister ships.....

Builder's name and yard number

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