

2 JUN 1942

Rpt. C.11 (Comp.).

Fort St James. 36801
etc.Index No. 36845
(For London Office only).

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. "FORT CHAMBLY"	168840	British	6000	1942	Montreal, P. Q.
Moulded Dimensions: Length 416.00' Breadth 56.88' Depth 37.33' to Upper Deck To centre of Stock 417.35' 28.58' to Second Deck					Date of Survey March 25th, 1942.
Moulded displacement at moulded draught = 85 per cent. of moulded depth 16690 16590 tons S.W.					Surveyor's Signature <i>A. Kislop.</i>
Coefficient of fineness for use with Tables 776 771					Particulars of Classification 100 A.1. "with freeboard" (Contemplated)

Depth for Freeboard (D). Moulded depth 37.33 Stringer plate05 Sheathing on exposed deck $T \left(\frac{L-S}{L} \right) =$ Depth for Freeboard (D) = \checkmark 37.38	Depth correction. (a) Where D is greater than Table depth (D - Table depth) R = (37.38 - 27.73) 3.00 + 28.95' ^{68'} ^{9.56} (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) 56.88' Standard Round of Beam = $\frac{B \times 12}{50} = 13.65"$ Ship's Round of Beam = 14.00" Difference .35" Restricted to Correction = $\frac{\text{Diff}^{\circ}}{4} \times \left(1 - \frac{S_1}{L} \right) = \frac{.35}{4} = -.08" = -.09"$
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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					
Fore enclosed					
" overhang					
Trunk aft					
" forward					
Tonnage opening aft					
" forward					
Total					

FLUSH DECK.

Standard Height of Superstructure 7.50'
 " " R.Q.D. -
 Deduction for complete superstructure 42.00"
 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 = Nil. \checkmark

SHEER CORRECTION.

Station	Standard Ordinate	S	M	Product	Actual Ordinate	Effective Ordinate	S	M	Product
A.P.	73	1	73	54.63	54.63	1	54.63		
$\frac{1}{4}$ L from A.P.	22.96	4	91.84	22.38	22.38	4	89.52		
$\frac{3}{4}$ L "	5.68	2	11.36	4.88	4.88	2	9.76		
Amidships	-	4	-	-	-	4	-		
$\frac{3}{4}$ L from F.P.	11.35	2	22.70	11.75	11.75	2	23.50		
$\frac{1}{4}$ L "	45.92	4	183.68	47.13	47.13	4	188.52		
F.P.	103.20	1	103.20	104.75	104.75	1	104.75		
Total			464.88				470.68		

Correction = $\frac{\text{Difference between sums of products}}{18} \left(.75 - \frac{S}{2L} \right) = \frac{6.30}{18} \times .75 = -.29"$ If limited to maximum allowance of $1\frac{1}{2}$ ins. per 100 ft.

Mean actual sheer aft = Deficient but > 75%
 Mean standard sheer aft =
 Mean actual sheer forward = Excess
 Mean standard sheer forward =
 Length of enclosed superstructure forward of amidships = Nil.
 Aft sheers
 Standard
 51.73 1 51.73
 13.02 3 39.06
 5.61 3 17.07
 -21" 137.86
 Actual
 54.63
 22.38
 4.88
 136.41

Deduction for Tropical Freeboard. Addition for Winter and Winter North Atlantic Freeboard. Depth to Freeboard Deck = 37.38 Summer freeboard = 10.55 Moulded draught (d) = 26.83 Deduction for Tropical freeboard and addition for Winter freeboard = $\frac{d}{4}$ inches = 6.71 = 6 $\frac{3}{4}$ " Addition for Winter North Atlantic Freeboard (if required) = \checkmark	Deduction for Fresh Water. Displacement in salt water at summer load water line $\Delta = 13798$ Tons per inch immersion at summer load water line $T = 48.23$ Deduction = $\frac{\Delta}{40T}$ inches = 7.45" = 7 $\frac{1}{2}"$	TABULAR FREEBOARD corrected for Flush Deck (if required) Correction for coefficient $\frac{.68 \times 776}{1.36} = \frac{1.458}{1.36}$ Depth Correction 28.95 Deduction for superstructures - Sheer correction 0.29 Round of Beam correction 0.08 Correction for Thickness of Deck amidships -9 Other corrections, scantlings, etc. and to correspond to approved summer moulded draft of 26'-10" 9.19 Summer Freeboard = 126.50	83.21 82.76 88.75 8 3.6"
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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"
Fresh Water Line	7 $\frac{1}{4}"$
Tropical Line	6 $\frac{3}{4}"$
Winter Line below	6 $\frac{3}{4}"$ \checkmark
Winter North Atlantic Line	-

Tropical Fresh Water Freeboard	9'-6 $\frac{1}{2}"$
Fresh Water	9'-4 $\frac{1}{2}"$
Tropical	9'-11 $\frac{1}{4}"$
Winter	9'-11 $\frac{1}{4}"$
Winter North Atlantic	-

26/6/42

the Surveyor should endorse the form on this side with his signature and the date.

15.3 + 22.37

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Building & Repair

\$100.00
~~\$25.00~~



Lloyd's Register
Foundation