

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

Ship's Name BONNA S.S. "SALT LAKE PARK" WARRONT	Official Number 176592	Nationality and Port of Registry British Montreal, P.Q. PANAMA	Gross Tonnage 2166.01 7211	Date of Build 1944	Port of Survey Victoria, B. C.
Moulded Dimensions: Length 417.35' Breadth 56.90' Depth (37.33' to Upper Deck) (28.58' to 2nd Deck)					Date of Survey May, 1944.
Moulded displacement at moulded draught = 85 per cent. of moulded depth 16,600 tons					Surveyor's Signature <i>[Signature]</i>
Coefficient of fineness for use with Tables .771					Particulars of Classification (Contemplated) * 100 A.1. with freeboard, corresponding to a Summer Moulded Draught of 26'-10".

Depth for Freeboard (D).	Depth correction.	Round of Beam correction.
Moulded depth ... 37.33'	(a) Where D is greater than Table depth (D-Table depth) R= (37.39-27.82) x 3 = +28.71	Moulded Breadth (B) 56.9'
Stringer plate06'	(b) Where D is less than Table depth (if allowed) (Table depth-D) R= 9.57	Standard Round of Beam = $\frac{B \times 12}{50} = 13.66$
Sheathing on exposed deck $T \left(\frac{L-S}{L} \right) =$	If restricted by superstructures	Ship's Round of Beam = 14.00"
Depth for Freeboard (D) = 37.39		Difference .34
		Restricted to
		Correction = $\frac{\text{Diff}^{\circ}}{4} \times \left(1 - \frac{S_1}{L} \right) = \frac{.34}{4} = -.09$

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 $\frac{S}{L} =$ **Nil.**
" " $\frac{S_1}{L} =$ **Nil.**
" " $\frac{E}{L} =$ **Nil.**
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.**

SHEER CORRECTION.

Station	Standard Ordinate	S M	Product	Actual Ordinate Ins.	Effective Ordinate	S M	Product
A.P. ...	51.73	1	51.73	55.00	55.00	1	55.00
%L from A.P. ...	23.02	4	92.08	23.25	23.25	4	93.00
%L " ...	5.69	2	11.38	6.50	6.50	2	13.00
Amidships ...	-	4	-	-	-	4	-
%L from F.P. ...	11.38	2	22.76	11.63	11.63	2	23.26
%L " ...	46.04	4	184.16	46.75	46.75	4	187.00
F.P. ...	103.47	1	103.47	105.00	105.00	1	105.00
Total ...			465.58				476.26

Correction = $\frac{\text{Difference between sums of products}}{18} \left(\frac{.75 - \frac{S}{2L}}{.75} \right) = \frac{10.68}{18} \times .75 = -.45$
If limited on account of midship superstructure. **No. Flush Deck**

Mean actual sheer aft = _____
Mean standard sheer aft = _____
Mean actual sheer forward = _____
Mean standard sheer forward = _____
Length of enclosed superstructure forward of amidships = **Nil.**
" " aft of " = **Nil.**

Deduction for Tropical Freeboard.	Deduction for Fresh Water.	TABULAR FREEBOARD corrected for Flush Deck (if required)	83.21
Addition for Winter and Winter North Atlantic Freeboard.	Displacement in salt water at summer load water line	Correction for coefficient.	88.78
Depth to Freeboard Deck = 37.39	$\Delta = 13760$	Depth Correction ...	28.71
Summer freeboard = 10.56	Tons per inch immersion at summer load water line	Deduction for superstructures ...	-
Moulded draught (d) = 26.83	$T = 4820$	Sheer correction45
Deduction for Tropical freeboard and addition for Winter freeboard = $\frac{d}{4}$ inches = 6.71 = 6 3/4	Deduction = $\frac{\Delta}{40T}$ inches = 7 1/4	Round of Beam correction09
Addition for Winter North Atlantic Freeboard (if required) = ✓		Correction for Thickness of Deck amidships ...	9.80
		Other corrections, scantlings, etc. To correspond to summer moulded draught 26'-10"	38.51
		Summer Freeboard = 126.75	

SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, ~~Wood~~ Steel, Deck: **10'-6 3/4"**

Tropical Fresh Water Line above Centre of Disc ...	14"	Tropical Fresh Water Freeboard ...	9'-4 3/4"
Fresh Water Line " " ...	7 1/4"	Fresh Water " " ...	9'-11 1/2"
Tropical Line " " ...	6 3/4"	Tropical " " ...	10'-0"
Winter Line below " " ...	6 3/4"	Winter " " ...	11'-1 1/2"
Winter North Atlantic Line " " ...		Winter North Atlantic " " ...	

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.

Victoria Machinery Depot Co. Ltd. May, 1944
British Columbia
18,000
100 A.I. with freeboard
corresponding to a number
Notified draught of 28'-10"

YARRARD DRY DOCK

100.00
87.84
58.11
08.80
82.88
33.00
28.11

Trade of ship.....
Names of sister ships.....
Builder's name and yard number.....
Owners.....
Fee \$ 100.00

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