

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

(COMPUTATION FOR STEAMER, ~~SAILING SHIP~~, TANKER.)

11 FEB 1943

Ship's Name "FORT ANNE"	Official Number 168413	Nationality and Port of Registry British London	Gross Tonnage 7133.86	Date of Build 1942	Port of Survey North Vancouver, B. C.
Moulded Dimensions: Length 417.35 416.50' Breadth 56.90' Depth (37.33' to Upper Deck (28.58' to 2nd Deck 16,600					Date of Survey December, 1942.
Moulded displacement at moulded draught = 85 per cent. of moulded depth					Surveyor's Signature [Signature]
Coefficient of fineness for use with Tables .771					Particulars of Classification *100 A1 with Freeboard (Contemplated)

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= (37.38 - 27.82) 3 = +28.68"	Moulded Breadth (B) 56.9'
Stringer plate05'	(b) Where D is less than Table depth (if allowed) (Table depth—D) R= ✓	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"
Depth for Freeboard (D) = 37.38		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 $\frac{S}{L} =$ _____

" " $\frac{S_1}{L} =$ _____ } **Flush Deck**

" " $\frac{E}{L} =$ _____

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**

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
1/4L from A.P.	23.02	4	92.08	23.25	23.25	4	93.00
1/4L "	5.69	2	11.38	6.50	6.50	2	13.00
Amidships	-	4	-	-	-	4	-
1/4L from F.P.	11.38	2	22.76	11.63	11.63	2	23.26
1/4L "	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

Mean actual sheer aft = _____

Mean standard sheer aft = _____ } **EXCESS**

Mean actual sheer forward = _____

Mean standard sheer forward = _____

Length of enclosed superstructure forward of amidships = _____

" " aft of " = _____ } **NIL
Flush Deck**

Correction = $\frac{\text{Difference between sums of products}}{18} \left(.75 - \frac{S}{2L} \right) = \frac{10.68}{18} \times .75 = -.45$

If limited on account of midship superstructure. **NIL Flush Deck**

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. $\frac{.771 + .68}{1.36} = 1.451 / 1.36$
Depth to Freeboard Deck = 37.38	$\Delta = 13770$	
Summer freeboard = 10.54	Tons per inch immersion at summer load water line	
Moulded draught (d) = 26.84	$T = 48.21$	
Deduction for Tropical freeboard and addition for Winter freeboard = $\frac{d}{4}$ inches = 6.71 = 6 3/4	Deduction = $\frac{\Delta}{40T}$ inches = 7.14	
Addition for Winter North Atlantic Freeboard (if required) = ✓	= 7 1/4"	

Summer Freeboard = **26.50**

SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, Wood, Steel, Deck —			
Tropical Fresh Water Line above Centre of Disc ...	14"	Tropical Fresh Water Freeboard ...	10' - 6 1/2"
Fresh Water Line " " ...	7 1/4"	Fresh Water " " ...	9' - 4 1/2"
Tropical Line " " ...	6 3/4"	Tropical " " ...	9' - 11 1/4"
Winter Line below " " ...	6 3/4"	Winter " " ...	9' - 11 3/4"
Winter North Atlantic Line " " ...	✓	Winter North Atlantic " " ...	11' - 1 1/4"

16 FEB 1943

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.

North Vancouver, B. C.

December, 1942.

1942

7133.86

British

"FORT QU'APPELLE"

(37.73' to Upper Deck
(28.28' to 2nd Deck
16,600

26.90'

416.50'

100 AL
with Freeboard (Contingent)

26.91'

37.33'

120.

UPPER DECK

118.4

22.00

23.25

6.30

23.11

27.25

102.00

Trade of ship.....

Names of sister ships **"FORT QU'APPELLE" - Burrard Dry Dock Co. Ltd., North Vancouver, B. C. (South Yard No. 132)**

Builder's name and yard number **Burrard Dry Dock Co. Ltd., North Vancouver, B. C. (South Yard No. 152)**

Owners **Minister of Munitions & Supply of Canada.**

Fee £ **\$100.00**



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Foundation