

FORT ST. JAMES
NO. 3680/ETC.

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

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

Ship's Name WORLD TROTTER FOREN HADDES PARK	Official Number 174,164	Nationality and Port of Registry British Montreal, Quebec.	Gross Tonnage 7131.89	Date of Build 1943	Port of Survey North Vancouver, B.C.
Moulded Dimensions: Length 417.35 Breadth 56.90' Depth {37.33' to Upper Deck (28.58' to 2nd Deck To centre of rudder stock					Date of Survey June, 1943.
Moulded displacement at moulded draught = 85 per cent. of moulded depth 16,600 tons					Surveyor's Signature <i>R.B. Gill</i>
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= 9.56	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 <input checked="" type="checkbox"/>	Ship's Round of Beam = 14"
Depth for Freeboard (D) = 37.38		Difference = .34
		Restricted to ✓
		Correction = $\frac{\text{Diff}}{4} \times \left(1 - \frac{S_1}{L} \right) = \frac{.34}{4} = -.09$

DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	Height Correction	Effective Length (E)
Poep enclosed					
" overhang					
R.Q.D. enclosed					
" overhang					
Bridge enclosed					
" overhang aft					
" overhang forward					
F'cle enclosed					
" overhang					
" aft					
" forward					
Damage 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 = **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
1/2L from A.P.	23.02	4		92.08	23.25	23.25	4		93.00
1/2L "	5.69	2		11.38	6.50	6.50	2		13.00
Amidships	-	4		-	-	-	4		-
1/2L from F.P.	11.38	2		22.76	11.63	11.63	2		23.26
1/2L "	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 = _____

Mean actual sheer forward = _____
Mean standard sheer forward = _____

Length of enclosed superstructure forward of amidships = _____
" " aft of " = _____

Correction = $\frac{\text{Difference between sums of products}}{18} \left(.75 - \frac{S}{2L} \right) = \frac{10.68}{18} \times .75 = -.45"$
If limited on account of midship superstructure. **No. 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	$\Delta = 13770$	Depth Correction 28.68
Summer freeboard = 10.54	Tons per inch immersion at summer load water line	Deduction for superstructures
Moulded draught (d) = 26.84	$T = 48.21$	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 = 7.14 = 7 1/4"	Round of Beam correction09
Addition for Winter North Atlantic Freeboard (if required) = <input checked="" type="checkbox"/>		Correction for Thickness of Deck amidships
		Other corrections, scantlings, etc. to correspond with a Summer Moulded Draught of 26'-10" (26'-10 1/8" actual)
		Summer Freeboard = 126.50

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

17 AUG 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.

1943

1943

British
Montreal,
Quebec.

174,164

"GREEN GABLES PARK"

June, 1943.

(37.33' to Upper Deck
(38.38' to 2nd Deck
16,800

26.90'

426.50'

1100 AL
with freeboard (Contingent)

26.91

37.33'

120.

14"

TOUR DE

TOUR DE

For
Trunk

100.00

25.00

25.00

25.00

25.00

25.00

25.00

25.00

25.00

Trade of ship.....

Names of sister ships **"FORT ALEXANDRIA" - North Van Ship Repairs, Ltd., North Vancouver, B. C. (Yard No. 101)**

Builder's name and yard number **North Van Ship Repairs, Ltd., North Vancouver, B. C. (Yard No. 126)**

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

Fee **\$100.00**



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Foundation