

29 SEP 1942

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(For London Office only).

PRINCE ALBERT PARK

No. 36910

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

(COMPUTATION FOR STEAMER, SAILING SHIP, TANKER.)

Ship's Name S.S. "Gatineau Park"	Official Number 173259	Nationality and Port of Registry Canadian Montreal	Gross Tonnage Approx 7133	Date of Build 1942	Port of Survey QUEBEC, P. Q.
Moulded Dimensions: Length 416.00' Breadth 56.88' Depth 37.33' to upper deck To centre of rudder stock 417.35' 28.58' to second deck					Date of Survey 13th July 1942
Moulded displacement at moulded draught = 85 per cent. of moulded depth 16690/16590 tons SW					Surveyor's Signature D. Nislop.
Coefficient of fineness for use with Tables .778					Particulars of Classification 100 A.1 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= (37.38-27.73) 3.00 = + 28.95'	Moulded Breadth (B) 56.88'
Stringer plate05	(b) Where D is less than Table depth (if allowed) (Table depth—D) R= -	Standard Round of Beam = $\frac{B \times 12}{50} = 13.65"$
Sheathing on exposed deck -	If restricted by superstructures -	Ship's Round of Beam = 14.00"
T $\left(\frac{L-S}{L}\right) =$		Difference .35"
Depth for Freeboard (D) = 37.38		Restricted to
		Correction = $\frac{\text{Diff}^o}{4} \times \left(1 - \frac{S_1}{L}\right) = \frac{.35}{4} = -.08$

DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	Height Correction	Effective Length (E)	
Pop enclosed ...						Standard Height of Superstructure 7.50'
" overhang ...						" " R.Q.D. -
R.Q.D. enclosed ...						Deduction for complete superstructure 42.00"
" overhang ...						Percentage covered $\frac{S}{L} =$
Bridge enclosed ...						" " $\frac{S_1}{L} =$
" overhang aft ...						" " $\frac{E}{L} =$
" overhang forward						Percentage from Table, Line A.
F'cle enclosed ...						(corrected for absence of forecastle (if required))
" overhang ...						Percentage from Table, Line B.
Trunk aft ...						(corrected for absence of forecastle (if required))
" forward ...						Interpolation for bridge less than .2L (if required)
Tonnage opening aft ...						Deduction = NIL ✓
" " forward						
Total ...						

SHEER CORRECTION.

Station	Standard Ordinate	S	M	Product	Actual Ordinate	Effective Ordinate	S	M	Product	
A.P. ...	51.60	1		51.60	54.63	54.63	1		54.63	Mean actual sheer aft = Deficient but > 75%
1/2L from A.P. ...	22.96	4		91.84	22.38	22.38	4		89.52	Mean actual sheer forward = Excess
1/2L " ...	5.68	2		11.36	4.88	4.88	2		9.76	Mean standard sheer forward
Amidships ...	-	4		-	-	-	4		-	Length of enclosed superstructure forward of amidships =
1/2L from F.P. ...	11.35	2		22.70	11.75	11.75	2		23.50	" " aft of " = NIL
1/2L " ...	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 ...				464.38					470.68	

Correction = $\frac{\text{Difference between sums of products}}{18} \left(.75 - \frac{S}{2L} \right) = \frac{5.30}{18} \times .75 = -.28"$

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. $\frac{.68 + .778}{1.36} = 1.458$	82.76
Depth to Freeboard Deck = 37.38	$\Delta = 13798$	Depth Correction ... 28.95	88.738
Summer freeboard = 10.55	Tons per inch immersion at summer load water line	Deduction for superstructures ... -	
Moulded draught (d) = 26.83	T = 48.23	Sheer correction ... 0.29	
Deduction for Tropical freeboard and addition for	Deduction = $\frac{\Delta}{40T}$ inches	Round of Beam correction ... 0.08	
Winter freeboard = $\frac{d}{4}$ inches = 6.71 = 6 3/4	= 7.15" ✓	Correction for Thickness of Deck amidships ... 34	
Addition for Winter North Atlantic Freeboard (if required) = ✓	= 7 1/2" ✓	Other corrections, scantlings, etc. and to correspond to approved summer moulded draft of 26'-10"	
		Summer Freeboard = 126.50	

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 ... 9'-6 1/2"
Fresh Water Line " " ... 7 1/2"	Fresh Water " " ... 9'-11 1/2"
Tropical Line " " ... 6 3/4"	Tropical " " ... 9'-11 1/2"
Winter Line below " " ... 6 3/4"	Winter " " ... 11'-11 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.

Trade of ship..... **General**

Names of sister ships..... **Standard North Sands Type**

Builder's name and yard number..... **Davie Shipbuilding & Repairing Co. Ltd., Lauzon, P. Q. Hull 535**

Owners..... **Canadian Government ~ Park Steamship Company, Ltd**

Fee **\$100.00**

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