

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD-STEAMERS.

Port of Survey _____
Date of Survey 13/1/31
Name of Surveyor _____

Ship's Name <i>Canadian Cruiser</i>	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification. <i>+100A 1. Shelter Deck with freeboard</i>
Number in Register Book _____					
Moulded dimensions <i>429.5 x 56.0 x 38.0</i>					
Moulded displacement at a moulded draught of 85 per cent. of moulded depth <i>Not yet received</i>					
Coefficient of fineness for use with tables _____					

DEPTH FOR FREEBOARD.				CORRECTION FOR LENGTH.			
Moulded depth	...	...	38.0	(a) When D is greater than $\frac{L}{15}$	...	28.63	
Stringer plate	...	...	.04	$(D - \frac{L}{15}) \times R =$	...	(38.04 - 28.63)	
Sheathing in wells	$T(\frac{L-S}{L}) =$	...	✓	(b) When D is less than $\frac{L}{15}$ (if allowed).	...	9.41	+ 28.23
				$(\frac{L}{15} - D) \times R =$...		
				If restricted by height of superstructures	...		
Depth D = 38.04							

SUPERSTRUCTURES.					
	Mean Covered Length S.	Equivalent Enclosed Length S ₁ .	Height.	Correction for Height.	Effective Length.
Poop enclosed	45.54	45.54	7-6	✓	45.54
„ overhang					
R.Q.D. enclosed					
„ overhang					
Bridge enclosed					
„ overhang aft					
„ overhang forward					
F'cle enclosed	44.54	43.74	7-6	✓	44.54
„ overhang					
Trunks forward					
„ aft					
Tonnage opening					
TOTAL = 90.08 89.28 89.28					
Length of ship (L) = 429.5 429.5 429.5					
% Covered ... = 21.0 20.8 20.8					
Corresponding %, corrected for absence of forecastle if required } A = 10.4 . B = -					
Allowance ... = 42.0 x .104 = - 4.37					
Correction for Bridge less than .2L if required } No Bridge					

SHEER.					
Station.	Actual Sheer.	Standard Sheer.	Allowed Sheer.	S. M.	Products.
A.P. 1	50.5	52.95	50.5	1	50.5
2	21.72		21.72	4	86.88
3	5.43		5.43	2	10.86
4	0		0	4	0
5	10.96		10.96	2	21.92
6	43.84		43.84	4	175.36
F.P. 7	95.5	105.90	95.50	1	95.50
18) 441.02					
Mean effective sheer ... = 24.51					
Standard sheer .05L + 5 = 26.47					
Difference (Df) ... = 1.96					
Allowance = Df x (.75 - $\frac{S}{2L}$) = 1.96 (.75 - .15) = 1.18					
If limited on account of amidship superstructure ... =					
If limited on account of excess sheer (1½ in. per 100 ft.) ... =					

If excess sheer forward and deficient sheer aft :—

Actual sheer aft = deficient

Standard sheer aft

Actual sheer forward = deficient

Standard sheer forward

Length of enclosed superstructure L

Forward of amidships = No Bridge

Aft of amidships =

ROUND OF BEAM.				TABULAR FREEBOARD (corrected for flush deck if required)= 80.74			
Standard	...	...	13.44	Corrected for Coefficient	$\times \frac{+68}{1.36} =$		
Ship	...	...	14.0				
Difference	...	...	.56				
Restricted to	...	...		Correction for Length	...	28.23	
Allowance = $\frac{\text{Difference}}{4} \times (1 - \frac{S}{L}) =$			.14 (.792) = .11	„ Superstructures	...	4.37	
				„ Sheer	...	1.18	
				„ Round of beam	...	.11	
				„ Thickness of deck	...		
				„ Scantlings, etc.	...		
				„ Statutory deck line	...		
						29.41	4.48 + 24.93
				Summer Freeboard =			

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, ~~Wood~~ (Steel) Deck :—

Fresh Water Line	above centre of Disc	...	...	...
Indian Summer Line	„ „
Winter Line	below „
Winter North Atlantic Line	„ „

Present *58.9-1*
W. 9.8

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