

PARTICULARS RELATING TO ALL STEAM SHIPS WITH TOP GALLANT FORECASTLES, SHORT POOPS AND BRIDGE HOUSES DISCONNECTED, AND TOP GALLANT FORECASTLES HAVING LONG POOPS OR RAISED QUARTER DECK.

Port of Survey Vancouver, B. C.
Date of Survey February 19th 1920
Name of Surveyor John Whitehead

Ship's Name "Canadian Inventor"
Port of Registry and Nationality Montreal British
Official Number 141,705
Gross Tonnage 5497.25
Date of Build 1920
Particulars of Classification 100 R 1 (class contemplated)

Number in Register Book

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.	Moulded Depth as measured.....
Length on LOADLINE.	400.01	52.00 ft 52.4 ft	28.8 28.5	4899.08 including peaks	31-0 1/2
CORRECTED DIMENSIONS.	400.0	51.82	29.20	4899.08 including peaks	

Co-efficient of fineness..... 49.49
Any modification necessary [Para. 4 (a) to (e)]* .02
Co-efficient as corrected..... 48.44

Correction for Length.
Length of Ship on Loadline..... 400.0
Length in Table 372.65
Difference 27.35
Correction for 10ft., Table A. 1.6 Table C. .8
x Difference divided by 10 4.40 (if required.) 2.20
If 1/10ths length covered divide by 2 +4 1/2 +2 1/4

Sheer {Stem..... 125 1/2
at {Sternpost ... 62 1/2} 188 ÷ 2 = 94 ... Mean 43.63 - 1.21 36
Sheer at 1/8 of the length from {Stem 40 1/2
Sternpost 32 1/2} 108 ÷ 2 = 54 ... Mean 43.63 - 1.21 36
Gradual mean Sheer allowed 98.63 ÷ 55 = 98.63
Standard mean Sheer [Table, Para. 18] 50.00 Correction
Difference..... 43.63 ÷ 4 = 10.90
§ If limited as Para. 18 (f) - 11

Correction for Iron Deck.
Proportion covered, if less than 1/10ths length covered505
Thickness of usual wood deck, less stringer 3 1/2 - 1 1/2

Correction for Round of Beam.
Breadth at Gunwale amidships..... 52.0
Round of Beam 13"
Normal round..... 13"
Difference ÷ 2 =
Proportion of Deck uncovered (Para. 19)

Rise in Sheer {At front of bridge house.....
from amidships {At after end of forecastle

¶ Fall in Sheer {
Para. 18 (d) } ÷ 2 =
Length uncovered Correction

Freeboard, Table A 4-11.96 8.0
Correction for Sheer 10.90 - 11
Correction for Length 4.40 + 4 1/2
Allowance for Deck Erections 7-5.46 4.8 5 1/2
Correction for Round of Beam..... - 9 1/2 6.8

ALLOWANCE FOR DECK ERECTIONS :—
Freeboard, Table C..... 4-9.96 4.10
Correction for Length, if required (Para. 12, 13, 14) + 2 1/4
Freeboard by Table A, corrected for sheer and for length, if required (Para. 12, 13, 14) 5-0.96 5.0
Difference 5-5.30 2.5
Percentage as below..... 29.45 ÷ 32.4 = 96.3 32.48

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11)
Allowance for Deck Erections - 9 1/2

Winter Freeboard 6.6 1/4
Summer Freeboard 5 1/2 6.0 3/4
Indian Summer Freeboard 5.8 1/4
N. A. Winter Freeboard
Correction necessary because clearside amidships, measured in accordance with the Statute is not taken at the intersection of the iron deck with side. + 1 3/4

	Length.	Length allowed.	Height.
Forecastle.....	39.83	39.83	8.0
Bridge House	113.25	113.25	8.0
† Raised Q. Dk.....			
Poop.....	49.25	49.25	8.0
Total		202.4	50.58
Length of Ship	400.0		
Corresponding percentage (Para. 11, 12, 13, 14) }	32.40%		

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, (Iron) Deck :—
Fresh Water Line above centre of Disc
Indian Summer Line " " "
Winter Line below " "
Winter North Atlantic Line " " "

State dimensions of freeing port area on back of this form.
The Surveyor should state whether the fall in sheer as reported is measured relatively to the straight line of keel or to the water line. If measured relatively to water line the vessel's draft at time of survey, and also the usual load draft forward, and aft should be reported.

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Do all the Frames extend to the top height in the Poop? *yes* Raised Quarter Deck? *yes* Bridge House? *yes* Forecastle? *yes*
 To what height do the Reverse Frames extend? *to upper deck in after peak & alternately to upper deck & forecastle deck in fore peak (bulk frames elsewhere)*
 Has the Poop ~~Raised Quarter~~ Deck an efficient Iron Bulkhead at the fore end? *yes*
 Give particulars of the means for closing the openings in Bulkhead *to. S. Steel Doors*
 Is the Poop ~~Raised Quarter~~ Deck connected with the Bridge House? *no* Has the Bridge House an efficient Bulkhead at the fore end? *yes*
 Give particulars of the means for closing the openings in Bulkhead *to. S. Steel Doors*
 What is the thickness of the Bridge Front plating? *16.5 lbs* and Coaming plate? *17.85 lbs*
 Give scantlings and spacing of the Stiffeners *9" 3 1/2" x 23.9 lbs bulk angle spaced 28" & 33"*
 Are bracket plates fitted at each end of the Stiffeners? *yes* Are hor'l. brackets fitted connecting Bridge Bulk'd. with Bulwarks? *yes*
 Has the Bridge House an efficient Iron Bulkhead at the after end? *yes*
 How are the openings closed? *Steel Doors*
 Is the Forecastle at least as high as the main or top-gallant rail? *yes* Has the Forecastle an efficient Iron or Wood Bulk'd. at after end? *no (Open front)*
 Are the Engine and Boiler openings covered by a Bridge, Poop, Raised Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse? *by Bridge House*
 If the openings are not so protected are the exposed parts of the Casings efficiently constructed? *yes*
 Give thickness of plating; scantlings and spacing of Stiffeners *yes*
 What is the height of the exposed Casings? *yes* Are suitable means provided for closing all openings in them in bad weather? *yes*

Are the Weather Deck Hatchways efficiently constructed and at least equal to the requirements of Section 28 of the Rules for 1904-5? Give particulars below:—

Position and Size.	Fore Deck		Bridge Deck		After Deck		Fore Deck		After Deck	
	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
Item.										
Height above top of DECK	30"	30"	30"	30"	30"	30"	30"	30"	30"	30"
COAMING Thickness {										
Sides	14.85"	14.85"	14.85"	14.85"	14.85"	14.85"	14.85"	14.85"	14.85"	14.85"
Ends	14.85"	14.85"	14.85"	14.85"	14.85"	14.85"	14.85"	14.85"	14.85"	14.85"
SHIFTING BEAMS {										
Number	6	6	6	6			6	6	5	5
Section and Scantlings	24" x 16.54" plate	24" x 16.54"	24" x 16.54"	24" x 16.54"	✓	✓	24" x 16.54" plate	24" x 16.54"	24" x 16.54"	24" x 16.54"
Material	4" x 3" x .50 Steel	4" x 3" x .50 Steel	4" x 3" x .50 Steel	4" x 3" x .50 Steel	✓	✓	4" x 3" x .50 Steel	4" x 3" x .50 Steel	4" x 3" x .50 Steel	4" x 3" x .50 Steel
* FORE AND AFTERS {										
Number					3	3				
Section and Scantlings					10" x 11.44" plate	10" x 11.44"				
Material					3" x 3" x .40 Steel	3" x 3" x .40 Steel				
HATCHES Thickness	3"	3"	3"	3"	2 1/2"	2 1/2"	3"	3"	3"	3"
Remarks	good	good	good	good	good	good	good	good	good	good

* The depth of Fore and Afters should be stated from the underside of the hatches in all cases.

(If the sill of the lowest side scuttle will be less than 6 inches above the Indian Summer Load Line if assigned under the tables, state vertical distance from top of deck at side amidships to lower edge of lowest side scuttle.)

The following information is to be given in all Cases of vessels dealt with under Paras. 11, 12 (under 15 feet Moulded depth) and under Shelter Deck Rules.

What is the thickness of the Bridge Sheerstrake? _____ Strake between Main and Bridge Sheerstrakes? _____

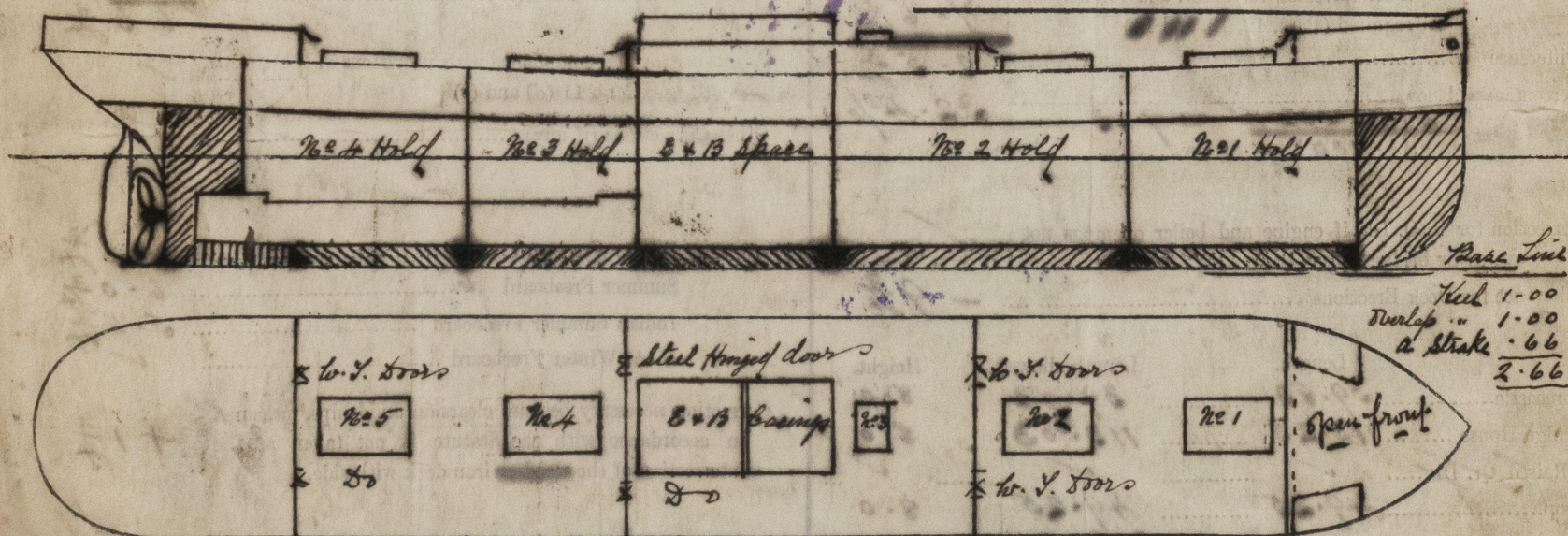
Delete the words { The Crew are, are not, berthed in the bridge house.
 that do not apply { The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory.

Length of Bulwarks in well _____

Area of Freeing Ports required by Para. 11 (e) each side of vessel = _____ Sq. ft.

Ft.	Tenths.	Ft.	Tenths.	No.	
x	x	x	x		Freeing Ports
x	x	x	x		(each side of vessel)

Total deficiency or excess = _____ Sq. ft.



Show hereon line of Floors or Tank Top with position of any Breaks in same; also height of Peak Tank tops, &c., &c.

State any special features in the construction of the Vessel *This vessel is built with poop, bridge & forecastle decks.*

Transverse framing 9 1/2 depths of girder. The request form is herewith attached.

This is a sister vessel to the S.S. "Canadian Explorer" see Vancouver Freeboard Report 448

Owners *Canadian Government (Department of Marine)*

Address *Ottawa, Canada*

Fee \$ *50.00*

Received by me _____



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