

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.—STEAM SHIPS.

Index No. 2
(For London Office only)

Mr. No. 2883

Particulars relating to all steam ships either flush decked, or with top gallant forecastles, short poops and bridge houses disconnected, or with top gallant forecastles having long poops, or raised quarter decks connected with bridge houses, or otherwise.

TA AN

Ship's Name.

S.S. "CANADIAN LEADER" Hull # 80

Canadian Tugboat

Port of Registry
and Nationality.Montreal
Col

Chinese

Official
Number.

141833

Gross
Tonnage.

5400

Date of Build.

1920

Port of Survey.

Montreal

Date of Survey.

Nov. 25. 1920

Name of Surveyor.

R. J. Adams

Particulars of Classification.

Class Contemplated

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.	
	400.3	52.4	28.5	4858.28	
Length on LOADLINE.	399' 8 $\frac{1}{2}$	Frame Depth Rule	9 $\frac{1}{2}$ " 6"	Ceiling 9 $\frac{1}{2}$ " Peak 1.20 Tanks } included	
			3 $\frac{1}{2}$ " 2x3 $\frac{1}{2}$ = .58		

CORRECTED DIMENSIONS.

399.41 51.82 29.98 4858.28

Co-efficient of fineness.....

98

Any modification necessary {

C.O.B

[Para. 4 (a) to (e)]*

Co-efficient as corrected

96

Sheer { Stem 10' 5 $\frac{1}{2}$ " / 5' 11 $\frac{1}{2}$ " ÷ 2 = 7' 11 $\frac{1}{4}$ " Mean 95.75 43.21 / 36 x 1.20
at Sternpost 5' 6 $\frac{1}{2}$ "

Sheer at $\frac{1}{8}$ of the length from Stem 5' 10 $\frac{1}{2}$ " 8' 6 $\frac{1}{2}$ " ÷ 2 = 4' 3 $\frac{1}{2}$ " Mean 14
Sternpost 2' 8"

Gradual mean Sheer 93.18 ÷ 55 = 93.18

Standard mean Sheer [Table, Para. 18] 49.97 Correction

Difference 43.21 ÷ 4 = 10.80

§ If limited as Para. 18 (f) - 10 $\frac{3}{4}$ "

Rise in Sheer { At front of bridge house 13"
from amidships } At after end of forecastle 6' 8"

Fall in Sheer { No drop aft of midship
Para. 18 (d) } Measured on stocks from base line.
Length uncovered Correction

ALLOWANCE FOR DECK ERECTIONS:

Freeboard, Table C.....

4' 10 $\frac{1}{2}$ "

+ 2

5' 0 $\frac{1}{2}$ "

Correction for Length, if required (Para. 12, 13, and 14)

4' 5 $\frac{1}{4}$ "

Freeboard by Table A. corrected for sheer, and for length, if required (Para. 12, 13, and 14)

2' 4 $\frac{3}{4}$ "

Difference

33.6%

Percentage as below

9.66

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11)

- 9 $\frac{3}{4}$ "

Allowance for Deck Erections

- 9 $\frac{3}{4}$ "

Length. Length allowed. Height.

Forecastle 14' 4" 41.33 7' 11 $\frac{1}{2}$ "Bridge House 120' 8 $\frac{1}{2}$ " 114.75 7' 11 $\frac{1}{2}$ "+ Raised Qr. Dk. 149' 8" 49.66 7' 11 $\frac{1}{2}$ "

Poop 208.94 399.41 = 52

Total 399.41

Length of Ship 399.41

Corresponding percentage (Para. 11, 12, 13, 14) 33.6%

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

Fresh Water Line above centre of Disc

Indian Summer Line " " "

Winter Line below " "

Winter North Atlantic Line " "

If the frames, skin planking, or ceiling are of unusual thickness the breadth of vessel to inside of walling should be reported if possible.

In vessels having an allowance for deck erections under Para. 11 where the sheer drops abaft amidships the height of the R.Q.D. is to be taken from the level of the top of the midship beam.

In flush-decked vessels the total standard mean sheer means the sheer measured at the stem and stern-post. In vessels having poops and forecastles, it means the sheer measured at point distant one eighth of the vessel's length from stem and stern-post.

NOTE.—If the depth is measured when vessel is afloat, the details of measurement should be reported.

Moulded Depth as measured 31-27

Addition for Keel below base line for draught record 2" inches.

CORRECTION FOR LENGTH.

Length of Ship on Loadline	399' 8 $\frac{1}{2}$ "
Length in Table	374' 7 $\frac{1}{2}$ "
Difference	25.4 $\frac{1}{2}$ "
Correction for 10ft., Table C.	1.6
× Difference divided by 10	4.07 (if required.)
If $\frac{1}{10}$ ths length covered divide by 2	2.03
	+ 4" ✓
	+ 2" ✓

CORRECTION FOR IRON DECK.

Proportion covered, if less than $\frac{1}{10}$ ths length covered	52
Thickness of usual wood deck, less stringer	3 $\frac{1}{2}$ "
	- 1 $\frac{3}{4}$ "

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships	52' 2"
Round of Beam	13"
Normal round	12"
Difference	1"
Proportion of Deck uncovered (Para. 19)	2 =

Freeboard, Table A	8" 0"
Correction for Sheer	- 10 $\frac{3}{4}$ "
Correction for Length	4' 1 $\frac{1}{4}$ "
Allowance for Deck Erections	+ 4"
	4' 5 $\frac{1}{4}$ "
	- 9 $\frac{3}{4}$ "
	6' 9 $\frac{1}{2}$ "

Correction for Round of Beam	8" 0"
Correction for fall in Sheer (if any)	- 1.24"
Correction for Iron Deck (if required)	6' 5 $\frac{1}{4}$ "
Additions for non-compliance with provisions of Para. 11 (d) and (e) †	6' 5 $\frac{1}{4}$ "
Other Corrections (if any)	

Winter Freeboard	6' 5 $\frac{1}{4}$ "
Summer Freeboard	6' 0 $\frac{1}{4}$ "
Indian Summer Freeboard	5' 6 $\frac{3}{4}$ "
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 $\frac{3}{4}$ "

Winter Freeboard from deck line	6' 4 $\frac{1}{2}$ "
Summer " " " "	6' 2"
Indian Summer " " " "	5' 8 $\frac{1}{2}$ "
N. A. Winter " " " "	6' 2"
	6' 5 $\frac{1}{2}$ "
	5' 5 $\frac{1}{2}$ "

State dimensions of ~~the~~ area on back of this form.
The Surveyor should state whether the fall in sheer as reported is measured relatively to the midship line of keel or to the water line. It measured relatively to water line the vessel cuts at time of survey, and also the usual load laid forward and astern should be reported.

29 12 20

Lloyd's Register Foundation

Do the Reverse Frames extend to the top height in the Poop? Yes
 Raised Quarter Deck? Poop to upper deck
 Bridge House? Yes
 Forecastle? No
 To what height do the Reverse Frames extend? Poop to upper deck
 Has the Poop or Raised Quarter Deck an efficient Iron Bulkhead at the fore end? Yes
 Give particulars of the means for closing the openings in Bulkhead? No opening
 Is the Poop or Raised Quarter Deck connected with the Bridge House? No
 Has the Bridge House an efficient Bulkhead at the fore end? No
 Give particulars of the means for closing the openings in Bulkhead? 2 bulkhead swing doors
 What is the thickness of the Bridge Front plating? 1 1/2" and Coaming plate?
 Give scantlings and spacing of the stiffeners 9' x 3 1/2" x 23 1/2" B.A. general 28"
 Are bracket plates fitted at each end of the stiffeners? Yes
 Are horiz. 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? 1 horizontal opening (port) with
 weather boards in segments 1 W.T. swing door closed
 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
 Are the Engine and Boiler openings covered by a Bridge, Poop, Raised Quarter Deck, or enclosed by a strong Iron or Steel Deckhouse? Bridge House
 If the openings are not so protected are the exposed parts of the Casings efficiently constructed?
 Give thickness of plating; scantling and spacing of stiffeners
 What is the height of the exposed Casings? Are suitable means provided for closing all openings in them in bad weather?
 Are the Weather Deck Hatchways sufficiently constructed and at least equal to the requirements of Section 28 of the Rules for 1904-5? Give particulars below:—

Position and Size.	W 1 24' 4" x 21' 0"	W 2 32' 6" x 21' 0"	M 14 27' 9" x 21' 0"	M 15 30' 4" x 21' 0"				
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING Height above top of DECK	2' 9"		10"	10"	10"	10"		
Thickness { Sides.....	1 1/2"							
{ Ends.....	1 1/2"							
SHIFTING BEAMS OR WEB PLATES. Number	6		6	5	5	ditto		
{ Section and Scantlings	8" x 12" x 5 1/2"		ditto	ditto				
Material	Steel							
* FORE AND AFTERS. Number	—		—	—	—	—		
{ Section and Scantlings	—		—	—	—	—		
Material	—		—	—	—	—		
HATCHES Thickness	3"		2 1/2"	2 1/2"	2 1/2"			
Remarks								

* 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 Rules, 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?

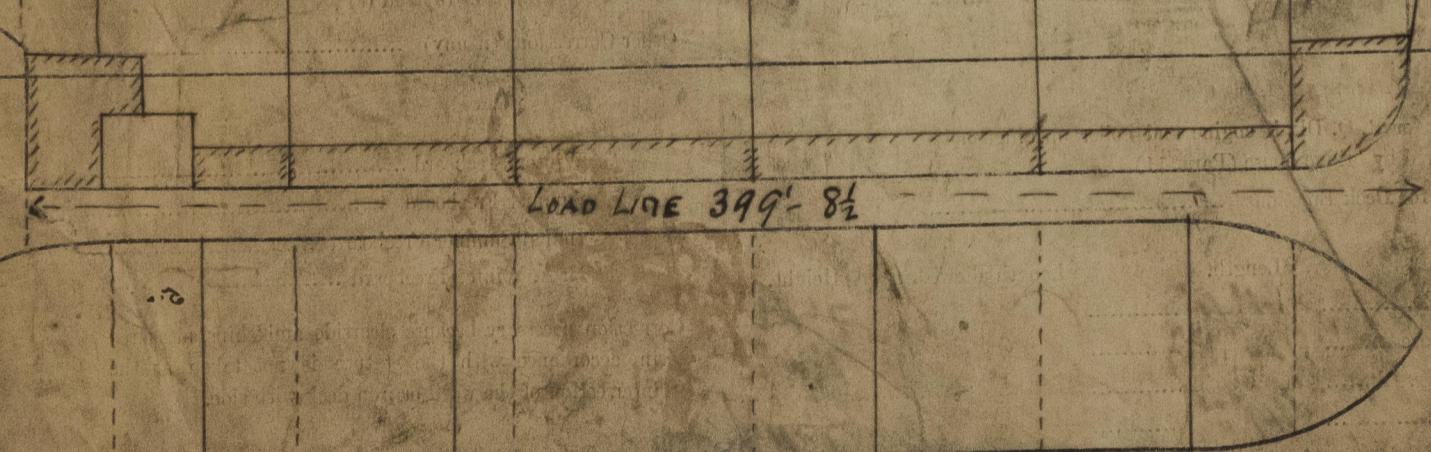
Delete the words The Crew are, are not, berthed in the bridge house.
that do not apply The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory.

Length of Bulwarks in well 99' 9" ft.
Area of Freeing Ports required by Para. 11 (e) each side of vessel = 99' 9" ft.
39.86 Sq. ft.

Ft. Tenths. Ft. Tenths. No. Freeing Ports (each side of vessel) = 47.2 Sq. ft.
4.42 x 1.33 x 4 = 7.34

4.42 x 1.33 x 4 = 7.34

49' 8" → 94' 6" ← Total deficiency or excess = 94' 6" → * 41' 4" ←
4" 4" 40" 120' 3 1/2" 112' 9 1/2" 10' 99' 9" 7' 6" ←



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

Owners Canadian Government
Address Ottawa, Ont

Fee £ 50/-

Received by me on



©2020
Lloyd's Register
Foundation