

Lloyd's Register of Shipping.
SURVEYS FOR FREEBOARD.—STEAM SHIPS.

NOV 26 1920

Index No. 293
(For London Office only.)

PARTICULARS RELATING TO ALL STEAM SHIPS EITHER FULLY DECKED, OR WITH TOP GALLANT FORECASTLES, SHORT POOP, AND BRIDGE HOUSES, DISCONNECTED, OR WITH TOP GALLANT FORECASTLES HAVING LONG POOPS, OR RAISED QUARTER DECKS CONNECTED WITH BRIDGE HOUSES, OR OTHERWISE.

Port of Survey *Halifax N.S.*
Date of Survey *Sept 2nd, 3rd, 1920*
Name of Surveyor *J. Moon.*Ship's Name. *"Canadian Mariner"*
Port of Registry and Nationality. *Halifax N.S.*
Official Number. *141861*
Gross Tonnage. *1920*
Date of Build. *1920*
Particulars of Classification. *± 100 A.1.*
Number in Register Book *53802*Length. *399.375*
Breadth. *52.3*
Depth. *28.45*
Under Deck Tonnage. *4821.20*Frame Depth *9 1/2*
Ceiling *None*
Rule *6*
Sheer *+1.19*
Peak Tanks *included*
carpenter's fitted
*2 x 3 1/2 = .58 the drop in*Length. *399.37*
Breadth. *51.42*
Depth. *29.84*
Under Deck Tonnage. *4821.20*ent of fineness..... *.782*dification necessary { *C.D.B.*ent as corrected *.76*Stem..... *126*
Sternpost..... *63*
189 ÷ 2 = 94 1/2 ...Mean *36 1/2*1/8 of the length from { Stem *69 7/8*
Sternpost *32 1/4*
102 1/8 ÷ 2 = 51.062 ...Meanmean Sheer *92.84 ÷ 55 = 92.84*mean Sheer [Table, Para. 18] *49.94* CorrectionDifference..... *42.9 ÷ 4 = -10 3/4*ited as Para. 18 (f) *-10 3/4*Sheer { At front of bridge house.....
amidships {
18 (e) { At after end of forecastleSheer {
18 (d) { ÷ 2 =

uncovered Correction

ALLOWANCE FOR DECK ERECTIONS:—

d, Table C..... *4 - 9.50* *4 - 9 1/2*n for Length, if required (Para. 12, 13, and 14) *+2 1/4*by Table A. corrected for sheer, and for length, {
if required (Para. 12, 13, and 14) {
4 - 11.69 *4 - 11 3/4*e *2 - 4.97* *4 - 4 3/4*ge as below..... *2 - 5* *32.19*..... *9.33*for R. Q. Dk. if engine and boiler openings not {
ered by bridge house (Para. 11) {
9.32 *- 9 1/4*for Deck Erections *9.32*Length. Length allowed. Height.
Forecastle..... *38.75* *38.75* *7-11 1/2*
Bridge House *112.67* *112.67* "
+ Raised Q. Dk..... "
Poop..... *49.25* *49.25* "
Total *200.67* *200.67* *.5024*
Length of Ship *399.375* *399.375*Corresponding percentage {
(Para. N, 12, N3, or 14) { *32.19%*FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, *4 1/2* (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 ceiling should be reported if possible.
† In vessels obtaining 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 amidships beam.
§ In finch-decked vessels the total standard mean sheer means the sheer measured at the stem and sternpost. In vessels having poops and forecastles, it means the sheer measured at points distant one eighth of the vessel's length from stem and sternpost.Moulded Depth as measured..... *31.0*Addition for Keel below base line
for draught record..... *2.66* inches.

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

CORRECTION FOR LENGTH.

Length of Ship on Loadline..... *399.37*
Length in Table *392.0*
Difference *7.37*
Correction for 10ft., Table A. *1.6* Table C. *.8*
× Difference divided by 10 *4.38* (if required.) *2.19*
If 1/10ths length covered divide by 2 *+4 1/2* *+2 1/4*

CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered *.5024*
Thickness of usual wood deck, less stringer *3 1/2*
- 13/4

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) *4976*

NOTE.—The round of beam should be reported on the full breadth of vessel at the gunwale.

Freeboard, Table A *4.11*
Correction for Sheer *-10 3/4*
4 - 0.28 *4 - 0 1/4*
Correction for Length *4.38* *+ 4 1/2*
4 - 4.66 *4 - 4 3/4*
Allowance for Deck Erections *9.32* *- 9 1/4*
6 - 7.34 *6 - 7 1/2*
Correction for Round of Beam.....
Correction for fall in Sheer (if any).....
Correction for Iron Deck (if required) *- 13/4*
6 - 5 3/4
Additions for non-compliance with provisions of {
Para. 11 (d) and (e) {
Other Corrections (if any)Winter Freeboard *6 - 5 3/4*
Summer Freeboard *6 - 0 1/4*
Indian Summer Freeboard *5 - 6 3/4*
N.A. Winter FreeboardCorrection necessary because clearside amidships, measured in accordance with the Statute is not taken at the intersection of the wood or iron deck with side. *+ 13/4*Winter Freeboard from deck line *6 - 4 1/2*
Summer " " " " *6 - 2*
Indian Summer " " " " *5 - 8 1/2*
N.A. Winter " " " " *6 - 2*
..... *6 1/2*
..... *5 1/2** 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.

Do all the frames extend to the top height in the Poop? *Yes* Raised Quarter Deck? *—* Bridge House? *Yes* Forecastle? *Yes*
 To what height do the Reversal Frames extend? *Upper Dk in 4th Peak, even to 1st Upper Dk in 1st Peak, odd to 1st Dk. Bulk angles elsewhere*
 Has the Poop or Raised Quarter Deck an efficient Bulkhead at the fore end? *Yes*
 Give particulars of the means for closing the openings in Bulkhead *Hinged steel doors*
 Is the Poop or 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 *Hinged steel doors*
 What is the thickness of the Bridge Front plating? *.40"* and Coaming plate? *.44"*
 Give scantlings and spacing of the Stiffeners *9" x 3 1/2" x .50" bulk angles spaced 30" apart*
 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 Bulkhead at the after end? *Yes*
 How are the openings closed? *By weather boards*
 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? *Yes*
 If the openings are not so protected are the exposed parts of the Casings efficiently constructed? *✓*
 Give thickness of plating; scantlings and spacing of Stiffeners *✓*
 What is the height of the exposed Casings? *7'6"* 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:— *Yes*

Position and Size.		1. Upper Dk 32'6" x 26'0"		2. Upper Dk 34'8" x 26'0"		3. Bridge Dk 18'0" x 10'10"		4. Upper Dk 34'8" x 26'0"		5. Upper Dk 30'4" x 26'0"	
Item.		Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING	Height above top of Deck	2'-6"	2'-0"	2'-6"	2'-0"	2'-6"	1'-6"	2'-6"	2'-0"	2'-6"	2'-0"
	Sides	.44"	.44"	.44"	.44"	.44"	.44"	.44"	.44"	.44"	.44"
	Ends	.44"	.44"	.44"	.44"	.44"	.44"	.44"	.44"	.44"	.44"
SHIFTING BEAMS OR WEB PLATES	Number	6		6		3		6		6	
	Section and Scantlings	7" 24" x 40"	As approved	7" 24" x 40"	As approved	3" 10 1/2" x 30"	As approved	7" 24" x 40"	As approved	7" 24" x 40"	As approved
	Material	Steel		Steel		Steel		Steel		Steel	
* FORE AND AFTERS	Number	None		None		None		None		None	
	Section and Scantlings										
	Material										
HATCHES Thickness		3"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"
Remarks		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? *.68* Strake between Main and Bridge Sheerstrakes? *.68*

Delete the words { The Crew ~~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~~, satisfactory.

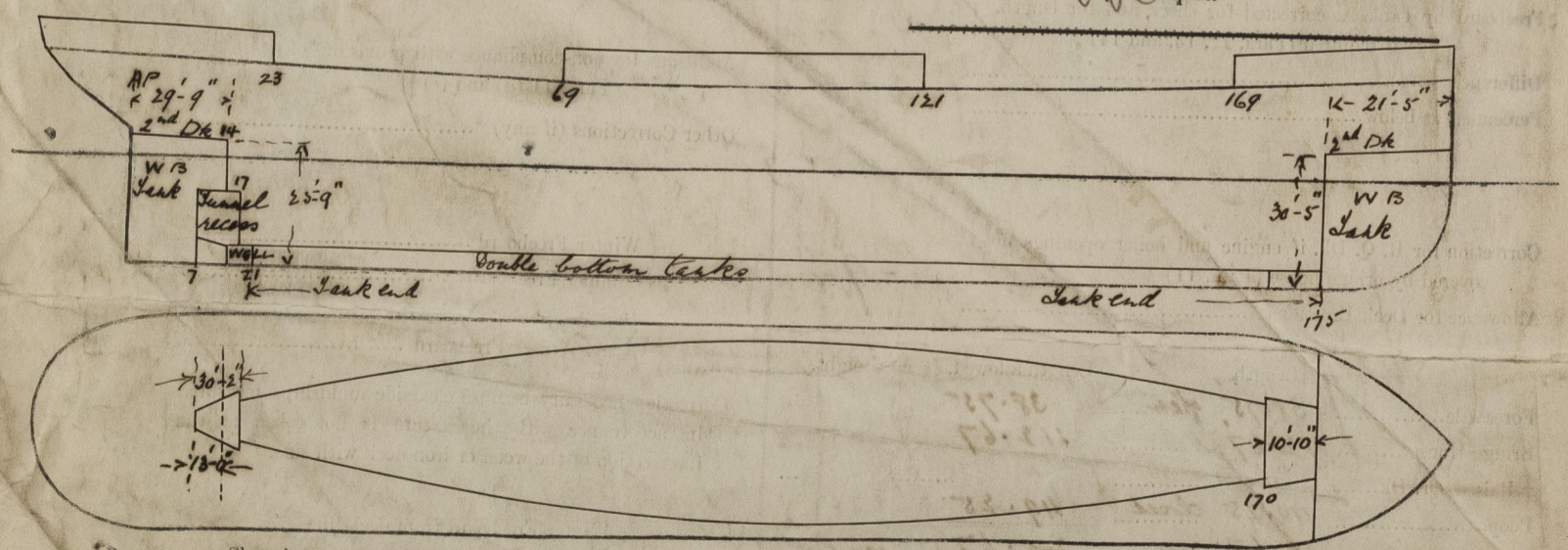
Length of Bulwarks in well *199'4"*

Area of Freeing Ports required by Para. 11 (e) each side of vessel = *39.86* Sq. ft.

Ft. Tenths. Ft. Tenths. No. } Freeing Ports (each side of vessel) = *40* Sq. ft.

4-0 x *1-25* x *8*

Total deficiency or excess = *.14* 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

? Canadian Union

Owners *Canadier Government Merchant Marine, Ltd.*
 Address *200 St. James Street, Montreal, P.Q.*
 Rec'd \$50.00 Received by me