

# Lloyd's Register of Shipping.

## SURVEYS FOR FREEBOARD.-STEAM SHIPS.

ARTICULARS RELATING TO ALL STEAM SHIPS EITHER FLUSH DECKED, OR WITH P-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.

Port of Survey Glasgow.  
Date of Survey while building  
Name of Surveyor A. A. Main

Claremont Dockyard No 402  
Ship's Name. CASSARD  
Number in Register Book ✓

Port of Registry and Nationality. NANTES FRENCH  
Official Number. 165893  
Gross Tonnage. 1602.04  
Date of Build. 1919.  
Particulars of Classification. +100.A.1 (Construction) Longitudinal framing in double bottom and at decks.

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	<u>254'</u>	<u>34.4'</u>	<u>18.35'</u>	<u>1386.06</u>
Length on LOADLINE.	<u>253.45</u>	Frame Depth Rule <u>9.5'</u>	Ceiling Sheer <u>+1.20'</u>	Peak Tanks <u>2 inch</u>
CORRECTED DIMENSIONS.	<u>253.45</u>	<u>34.34</u>	<u>19.30</u>	<u>1386.06</u>

Moulded Depth as measured..... 20'-6"  
NOTE. - If the depth is measured when vessel is afloat, the details of measurement should be reported.  
Addition for keel below base line for draft allowed = 1.44 inches.

CORRECTION FOR LENGTH.

Length of Ship on Loadline.....	<u>253.45</u>
Length in Table .....	<u>246.00</u>
Difference .....	<u>7.45</u>
Correction for 10ft., Table A. ....	<u>1.2</u> Table C. <u>.6</u>
× Difference divided by 10 .....	<u>.93</u> (if required.) <u>4.65</u>
If $\frac{1}{10}$ ths length covered divide by 2	<u>+1"</u> <u>.46"</u> <u>+2"</u>

Co-efficient of fineness..... .46  
Any modification necessary [Para. 4 (a) to (e)]\* .02 Coll. D.B.  
Co-efficient as corrected ..... .44

Sheer { Stem..... 82.5 } 128.5 ÷ 2 = 64.25 Mean  
at { Sternpost... 46.0 } 36 26.93  
.45

Sheer at  $\frac{1}{2}$  of the length from { Stem 45.5 } 68.5 ÷ 2 = 34.25 Mean  
{ Sternpost 23 } ÷ .55 = 62.3

Gradual mean Sheer ..... 62.3  
Standard mean Sheer [Table, Para. 18] ..... 35.34 Correction  
Difference..... 26.93 ÷ 4 = 6.73  
§ If limited as Para. 18 (f)..... - 6  $\frac{3}{4}$ "

CORRECTION FOR IRON DECK.

Proportion covered, if less than  $\frac{1}{10}$ ths length covered ..... .446  
Thickness of usual wood deck, less stringer ..... 3  $\frac{1}{2}$ "  
- 1  $\frac{1}{2}$ "

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... 34'-6"  
Round of Beam..... 9  $\frac{1}{2}$ "  
Normal round..... 9  $\frac{1}{2}$ "  
Difference ..... ✓ ÷ 2 = ✓  
Proportion of Deck uncovered (Para. 19) ..... ✓

Rise in Sheer from amidships [Para. 18 (e)]  
At front of bridge house..... ✓  
At after end of forecastle ..... ✓

Fall in Sheer [Para. 18 (d)] ✓ ÷ 2 = ✓

Length uncovered ..... ✓ Correction

Freeboard, Table A .....	<u>3' 11 <math>\frac{1}{2}</math>"</u>
Correction for Sheer .....	<u>- 6 <math>\frac{3}{4}</math>"</u>
Correction for Length .....	<u>+ 1</u>
Allowance for Deck Erections .....	<u>3 - 5 <math>\frac{3}{4}</math>"</u>
Correction for Round of Beam.....	<u>- 6 <math>\frac{3}{4}</math>"</u>
Correction for fall in Sheer (if any).....	<u>✓</u>
Correction for Iron Deck (if required) .....	<u>- 1 <math>\frac{1}{2}</math>"</u>
Other Corrections (if any) .....	<u>2 - 9 <math>\frac{1}{2}</math>"</u>
Winter Freeboard .....	<u>2' 9 <math>\frac{1}{2}</math>"</u>
Summer Freeboard .....	<u>2' - 6 <math>\frac{1}{2}</math>"</u>
Indian Summer Freeboard .....	<u>2' - 3 <math>\frac{1}{2}</math>"</u>
N. A. Winter Freeboard .....	<u>2' - 11 <math>\frac{1}{2}</math>"</u>

ALLOWANCE FOR DECK ERECTIONS :-

Freeboard, Table C.....	<u>1-5</u>
Correction for Length, if required (Para. 12, 13, and 14) .....	<u>+ <math>\frac{1}{2}</math>"</u>
Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14) .....	<u>3-5 <math>\frac{3}{4}</math>"</u>
Difference .....	<u>2-0 <math>\frac{1}{4}</math>"</u>
Percentage as below.....	<u>28.22</u>
Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) .....	<u>✓</u>
Allowance for Deck Erections .....	<u>- 6 <math>\frac{3}{4}</math>"</u>

	Length.	Length allowed.	Height.
Forecastle.....	<u>26.0</u>	<u>26.0</u>	<u>4'0"</u>
Bridge House .....	<u>63.5</u>	<u>63.5</u>	<u>4'0"</u>
† Raised Qr. Dk.....			
Poop.....	<u>23.5</u>	<u>23.5</u>	<u>4'0"</u>
Total .....		<u>113.0</u>	
Length of Ship .....	<u>253.45</u>		<u>.446</u>
Corresponding percentage (Para. 12, 13, and 14) .....		<u>28.22%</u>	

Correction necessary because clearside amidships, measured in accordance with the Statute is not taken at the intersection of the ~~wood~~ iron deck with side. nil X  $\frac{1}{2}$ " French

Winter Freeboard from deck line .....	<u>2' - 4" <math>\frac{9}{2}</math>"</u>
Summer " " " " .....	<u>2' - 8" <math>\frac{6}{2}</math>"</u>
Indian Summer " " " " .....	<u>2' - 5" <math>\frac{3}{2}</math>"</u>
N. A. Winter " " " " .....	<u>2' 21" <math>\frac{11}{2}</math>"</u>

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, (Iron) Deck :- 2' - 6  $\frac{1}{2}$ " 2' - 8"  $\frac{1}{2}$ "

Fresh Water Line above centre of Disc .....	<u>4 <math>\frac{1}{2}</math>"</u>
Indian Summer Line " " " " .....	<u>3</u>
Winter Line below " " " " .....	<u>3</u>
Winter North Atlantic Line " " " " .....	<u>5</u>

State dimensions of freeing port area on back of this form. Q  
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 the water line the vessel's draft at time of survey, and also the usual load draft forward and aft so far as reported.

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frames, or planking, or ceiling are of unusual thickness the breadth of vessel to inside should be reported if possible.  
† An allowance for deck erections under Para. 11 where the sheer drops about amidships should be taken from the level of the top of the amidship beam.  
‡ The height of the R. Q. D. is to be taken from the level of the top of the amidship beam.  
§ The total standard mean sheer means the sheer measured at the stem and stern of vessels having poops and forecastles. It means the sheer measured at points distant from the vessel's length from stem and stern-post.

vessel is a sister vessel to the same builder No 402 S.S. BRANCA

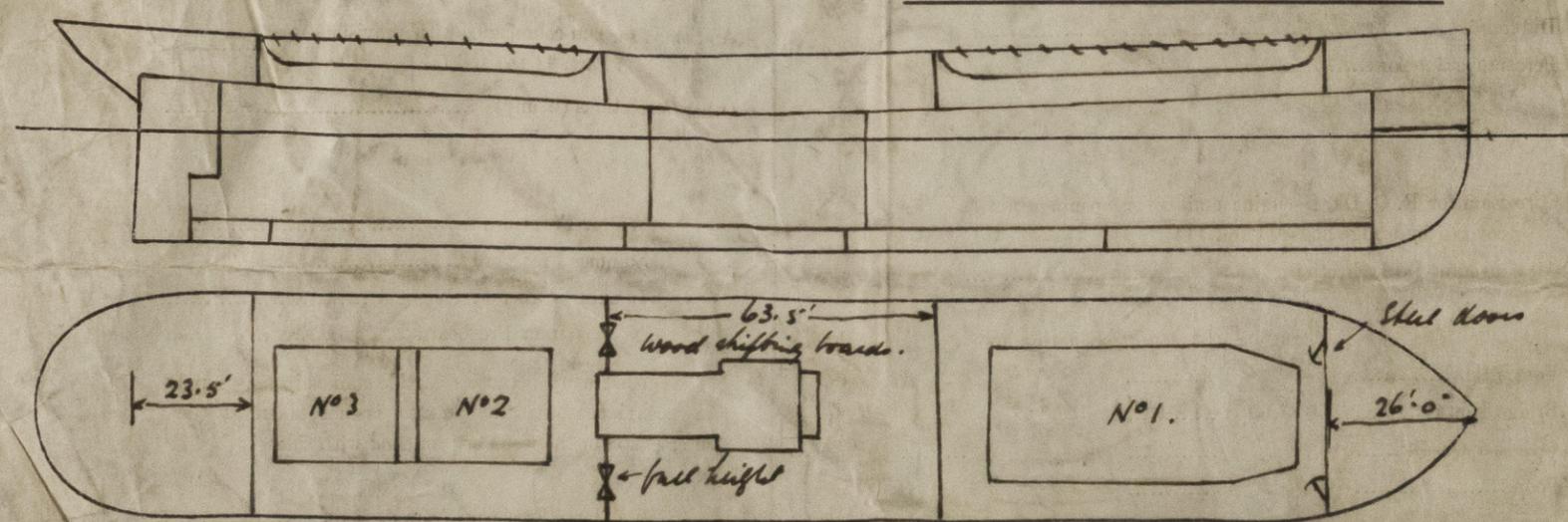
Do all the Frames extend to the top height in the Poop? *Yes.* Raised Quarter Deck? *✓* Bridge House? *Yes.* Forecastle? *Yes.*  
 To what height do the Reverse Frames extend? *Upper deck above fitted at reinforced frames.*  
 Has the Poop or Raised Quarter Deck an efficient Iron Bulkhead at the fore end? *Yes.*  
 Give particulars of the means for closing the openings in Bulkhead *no openings*  
 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 *no openings*  
 What is the thickness of the Bridge Front plating? *.32"* and Coaming plate? *.36"*  
 Give scantlings and spacing of the Stiffeners *4" x 3" x 40 B.A. spaced 24" 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 Iron Bulkhead at the after end? *Yes.*  
 How are the openings closed? *Shifting boards fitted between gird bars riveted to B'rd for full length*  
 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? *Yes.*  
 Are the Engine and Boiler openings covered by a Bridge, Poop, Raised Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse? *Covered by Bridge.*  
 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? *✓* Are suitable means provided for closing all openings in them in bad weather?  
 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.	No. 1. 50' x 20' to 18'		No. 2. 24' 6" x 20' 0"		No. 3. 24' 6" x 20' 0"		Ship.	Rule.	Ship.	Rule.
	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.				
COAMING.	Height above top of DECK	48"	48"	48"	48"	48"				
	Thickness	Sides	.50" } <i>as approved.</i>	.44" } <i>as approved.</i>	.44" } <i>as approved.</i>	.44" } <i>as No. 2.</i>				
		Ends	.44"	.44"	.44"	.44"				
SHIFTING BEAMS OR WEB PLATES.	Number	9	11	11	11	11				
	Section and Scantlings	<i>18" x 9" x 36" } <i>as approved.</i></i>	<i>18" x 9" x 38" } <i>as approved.</i></i>	<i>18" x 9" x 38" } <i>as approved.</i></i>	<i>18" x 9" x 38" } <i>as approved.</i></i>	<i>18" x 9" x 38" } <i>as approved.</i></i>				
	Material	<i>Angles 4 x 3 riv. } <i>as approved.</i></i>	<i>Angles 4 x 3 riv. } <i>as approved.</i></i>	<i>Angles 4 x 3 riv. } <i>as approved.</i></i>	<i>Angles 4 x 3 riv. } <i>as approved.</i></i>	<i>Angles 4 x 3 riv. } <i>as approved.</i></i>				
FORE AND AFTERS.	Number	None	None	None	None	None				
	Section and Scantlings									
	Material									
HATCHES Thickness	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"				
Remarks										

\* When the Fore and Afters are of wood the depth should be stated from the underside of the hatches.  
 (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 that do not apply { The Crew ~~are not~~, berthed in the bridge house. *BUT IN POOP.*  
 { The arrangements to enable them to get backwards and forwards from their quarters are, ~~not~~ satisfactory.  
 Length of Bulwarks in well *140'-6"*  
 Area of Freeing Ports required by Para. 11 (e) each side of vessel = *28.12* Sq. ft.  
 Ft. Tenths. Ft. Tenths. No. } Freeing Ports = *29.00* Sq. ft.  
*2.5 x 1.5 x 8* (each side of vessel)  
 Total deficiency or excess = *.88* Sq. ft. *EACH SIDE.*



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 constructed on Millain's system of Framing (Patented). The approved midship section of profile & deck plan enclosed for reference. Your request form enclosed.*

Owners *Chargers de l'Quest.*

Address

Fee # *3 : 3 0*

Received by me *11/3/20 RBN*

