

# Lloyd's Register of British & Foreign Shipping.

## SURVEYS FOR FREEBOARD.—STEAM SHIPS. 9929

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.

Port of Survey *Belfast*  
Date of Survey *15<sup>th</sup> March 1928*  
Name of Surveyor *S. H. Kendall*

*RABAT*  
*or S.S. VENA*

Ship's Name. *S.S. VENA*  
Number in Register Book

Port of Registry and Nationality. *Belfast British*

Official Number. *113640*

Gross Tonnage. *565*

Date of Build. *1902*

Particulars of Classification.

*100 A contemplated*

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	<i>170.4</i>	<i>27.2</i>	<i>11.4</i>	<i>402</i>
	<i>170.0</i>	Frame Depth <i>3</i> Rule <i>3</i>	Ceiling <i>filled</i> Sheer <i>+ .66</i> To Floor <i>11.58</i>	Peak <i>+18 tons</i> Tank <i>For raised floors aft +2 tons</i>
	<i>170.0</i>	<i>27.2</i>	<i>12.24</i>	<i>422</i>

Moulded Depth as measured..... *12.4*

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

*12.4*  
*18.0*  
*1.5*  
*11.7*

### CORRECTION FOR LENGTH.

Length of Ship on Loadline.....	<i>170.0</i>
Length in Table .....	<i>148.0</i>
Difference .....	<i>22.0</i>
Correction for 10ft., Table A. ....	<i>.9</i> Table C.
× Difference divided by 10 .....	<i>1.98</i> (if required.)
If $\frac{1}{10}$ ths length covered divide by 2	<i>.99</i> <i>+1</i>

### CORRECTION FOR IRON DECK.

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

### CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	<i>27.0</i>
Round of Beam .....	<i>8</i>
Normal round.....	<i>6 3/4</i>
Difference .....	<i>1 1/4 ÷ 2 = 5/8</i>
Proportion of Deck uncovered (Para. 19) .....	<i>.27</i>
	<i>- 1/4</i>

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

out of fineness..... *.452*  
 Classification necessary }  
 L. 4 (a) to (e)]\* }  
 as corrected ..... *.75*

*59* } *95 ÷ 2 = 47.5*... Mean  
*post ... 36* }

the length from { Stem *34* } *56 ÷ 2 = 28*... Mean  
 Sternpost *22* }

Sheer ..... *allowed*..... *49.20* ÷ *.55 = 50.91*

in Sheer [Table, Para. 18] ..... *27.00* Correction  
 Difference..... *22.20 ÷ 4 = 5.50*

as Para. 18 (f).....

At front of bridge house..... *3"*  
 At after end of forecastle ..... *29"*

÷ 2 =

Correction

### ALLOWANCE FOR DECK ERECTIONS :—

Table A.....	<i>0-4"</i>
Length, if required (Para. 12, 13, and 14) .....	<i>"</i>
Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14) .....	<i>1-4 1/2</i>
Below.....	<i>1-0 1/2</i>
	<i>59.5%</i>
	<i>- 7.44</i>
R. Q. Dk. if engine and boiler openings not in bridge house (Para. 11) <i>Bridge in front.</i> .....	<i>+ .23</i>
Deck Erections .....	<i>7.21</i>
	<i>- 7 1/4</i>

Length.	Length allowed.	Height.
<i>250 26'</i>	<i>23.12</i>	<i>6.6"</i>
<i>10.0 10.5</i>	<i>10.00</i>	<i>7.6"</i>
<i>91.0 91.5</i>	<i>91.00</i>	<i>3.6"</i>
	<i>124.12</i>	
	<i>170.00</i>	<i>= .73</i>

Percentage (13, or 14)	Value
	<i>59.5%</i>

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	" " "	.....

Freeboard, Table A .....	<i>1.10</i>
Correction for Sheer .....	<i>- 5/2</i>
	<i>1.4 1/2</i>
Correction for Length .....	<i>+ 1</i>
	<i>1.5 1/2</i>
Allowance for Deck Erections .....	<i>- 7/4</i>
	<i>0-10/4</i>
Correction for Round of Beam.....	<i>- 1/4</i>
	<i>0.10</i>
Correction for fall in Sheer (if any).....	<i>✓</i>
Correction for Iron Deck (if required) .....	<i>- 3</i>
	<i>0.7</i>
Additions for non-compliance with provisions of Para. 11 (d) and (e) † .....	<i>✓</i>
Other Corrections (if any) .....	<i>Height of Raised Quarter Deck</i>
	<i>+ 3.6</i>
	<i>4.1</i>

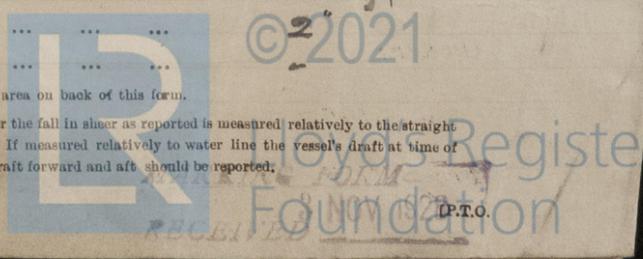
Winter Freeboard .....	<i>4" 1"</i>
Summer Freeboard .....	<i>3" 11/4</i>
Indian Summer Freeboard .....	<i>✓</i>
N. A. Winter Freeboard .....	<i>✓</i>
Correction necessary because clearside amidships, measured in accordance with the Statute is not taken at the intersection of the <i>steel raised quarter</i> deck with side. ....	<i>+ 1 1/2"</i>
Winter Freeboard from deck line .....	<i>4- 2 1/4</i>
Summer " " " " .....	<i>4- 0 1/2</i>
Indian Summer " " " " .....	<i>✓</i>
N. A. Winter " " " " <i>steel raised quarter</i> .....	<i>✓</i>
	<i>4- 0 1/2</i>

Fresh Water Line	above centre of Disc	.....	<i>3"</i>
Indian Summer Line	" " "	.....	<i>✓</i>
Winter Line	below " "	.....	<i>✓</i>
Winter North Atlantic Line	" " "	.....	<i>✓</i>

† 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 amidship beam.  
 ‡ In flush-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.

† 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* - 11b.

To what height do the Reverse Frames extend? *To Deck and side stringers alternately* -

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 *none* -

Is the ~~Poop~~ Raised Quarter Deck connected with the Bridge House? *Yes* - Has the Bridge House an efficient Bulkhead at the fore end? *Yes* -

Give particulars of the means for closing the openings in Bulkhead *none* -

What is the thickness of the Bridge Front plating? *1/4"* and Coaming plate? *7/16"* -

Give scantlings and spacing of the Stiffeners } *as originally fitted. 32-3-35 with ~~wood~~ bars 3-*

Are bracket plates fitted at each end of the Stiffeners? *Yes* - Are hor'l. brackets fitted connecting Bridge Bulk'd. with Bulwarks? *Rail*

Has the Bridge House an efficient Iron Bulkhead at the after end? *Yes* -

How are the openings closed? *none* -

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~~? *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? 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 Fore 24'-6" x 13'-0"		No. 2 24'-6" x 13'-0"		Ship.	Rule.	Ship.	Rule.	Ship.
Item.	Ship.	Rule.	Ship.	Rule.					
COAMING.	Height above top of DECK	30'	30	39'	24'				
	Thickness {	Sides.....	45'	45	45'	45			
		Ends.....	40'	40	40'	40			
SHIFTING BEAMS OR WEB PLATES.	Number .....	2	2	2					
	Section and Scantlings .....	30' x 40'		39' x 40'					
	Material .....	Steel		Steel					
* FORE AND AFTERS.	Number .....	3		3					
	Section and Scantlings .....	9' x 6 1/2"		9' x 6 1/2"					
	Material .....	Pitch Pine		Pitch Pine					
HATCHES Thickness .....	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 1  
 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~~ satisfactory.

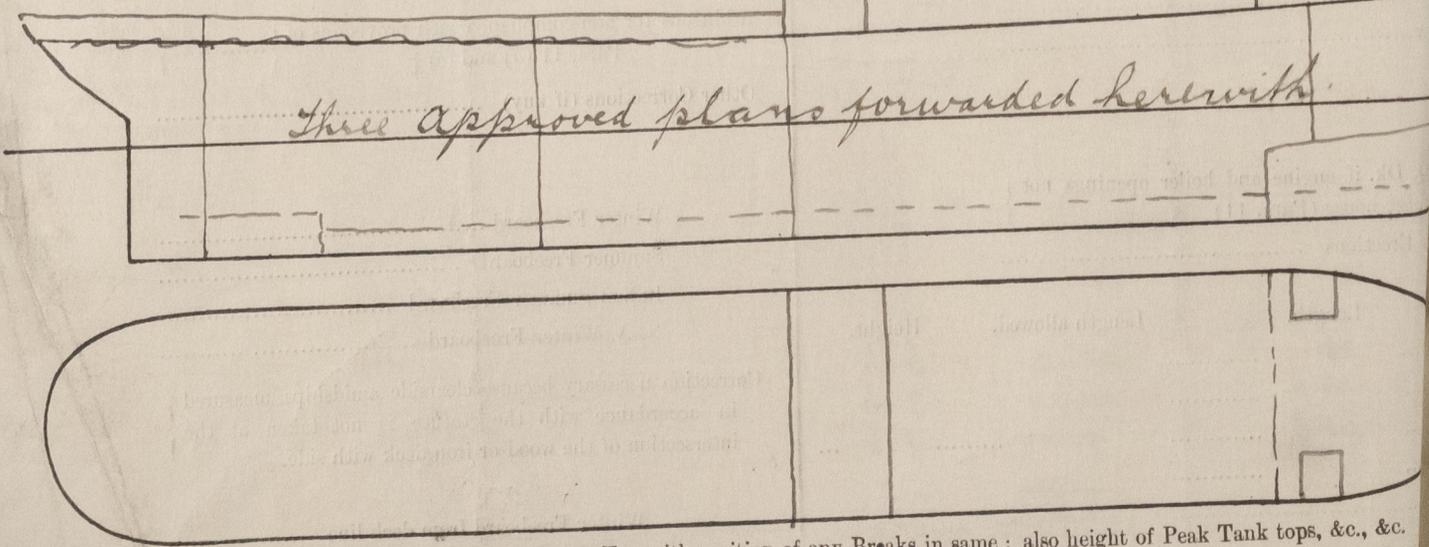
Length of Bulwarks in well *42'-0" 44'-0"*

Area of Freeing Ports required by Para. 11 (e) each side of vessel = *10.79* Sq. ft.

Ft. Tenths. Ft. Tenths. No. } Freeing Ports = *13.5* Sq. ft.  
 (each side of vessel)

3 . 0 x 1 . 5 x 3 }  
 x x

Total deficiency or excess = *2.6* Sq. ft.  
*2.8*



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 has been sailing with of Trade Certificate of Freeboard dated 11th Mar 1924 which expired. The Owners are submitting the vessel to the requirements of 2nd. view to the restoration of the vessels class.*

Owners *Wilson & Reid*

Address *33 Waring St Belfast.*

Fee £ *3 : 15 : 4* Received by me *See Report.*

