

Lloyd's Register of British & Foreign Shipping.

SURVEYS FOR FREEBOARD.—STEAM SHIPS.

FRI. 22 APR 1910

ARTICULARS RELATING TO ALL STEAM SHIPS EITHER FLUSH DECKED, OR WITH
 OP 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 HullDate of Survey 21st April 1910Name of Surveyor Allison B. Wilson

Ship's Name.	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
<u>Rapponia</u>	<u>Wasa Russian</u>		<u>1153</u>	<u>1898</u> <u>4 mo</u>	<u>#100A1.</u>
Number in Register Book <u>225</u>					

REGISTERED LENGTH.	BREADTH.	DEPTH.	UNDER DECK Tonnage.
<u>730.1</u>	<u>34.1</u>	<u>14.0</u>	<u>899.67</u>

DEPTH ON LINE	Frame Depth Rule	Ceiling Sheer	Peak Tanks
<u>730</u>	<u>4</u>	<u>filled</u> <u>+ .32</u>	

REGISTERED LENGTH.	BREADTH.	DEPTH.	UNDER DECK Tonnage.
<u>730</u>	<u>34.1</u>	<u>14.32</u>	<u>899.67</u>

REGISTERED LENGTH.	BREADTH.	DEPTH.	UNDER DECK Tonnage.
<u>730</u>	<u>34.1</u>	<u>14.32</u>	<u>899.67</u>

Efficient of fineness	<u>.80</u>
Modification necessary [Para. 4 (a) to (e) *]	<u>Cell 10B.</u>
Efficient as corrected	<u>.78</u>

Sheer { Stem... <u>65</u> } <u>89.5</u> ÷ 2 = <u>44.75</u> ... Mean	
{ Sternpost... <u>74.5</u> }	
Sheer at 1/2 of the length from { Stem <u>36</u> } <u>74</u> ÷ 2 = <u>75</u> ... Mean	
{ Sternpost <u>14</u> }	

Gradual mean Sheer	<u>33</u>
Standard mean Sheer (Table, Para. 18)	<u>33</u>
Difference	<u>11.75</u> ÷ 4 = <u>-3</u>

If limited as Para. 18 (f)	
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Rise in Sheer { At front of bridge house	
from amidships { At after end of forecastle	
[Para. 18 (e)]	

Fall in sheer { Para. 18 (d) } ÷ 2 =	
Length uncovered	

ALLOWANCE FOR DECK ERECTIONS:—	
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Freeboard, Table C	<u>0.9</u>
Correction for Length, if required (Para. 12, 13, and 14)	

Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14)	<u>2.64</u>
Difference	<u>1.94</u>

Percentage as below	<u>57.72</u>
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Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11)	<u>1.74</u>
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Allowance for Deck Erections	
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Length.	Length allowed.	Height.
Forecastle..... <u>24.0</u>	<u>27</u>	<u>4.0</u>
Bridge House	<u>59.2</u>	<u>4.0</u>
† Raised Qr. Dk..... <u>79.0</u>	<u>79</u>	<u>4.0</u>
Poop.....		

Total	<u>165.2</u> = <u>.718</u>
Length of Ship	<u>230</u>

Corresponding percentage (Para. 11, 12, 13, or 14)	<u>57.72</u>
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FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (Iron) Deck:—	
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Fresh Water Line above centre of Disc	<u>3 1/2</u>
Indian Summer Line " " "	<u>2</u>
Winter Line below " " "	<u>2</u>
Winter North Atlantic Line " " "	<u>2</u>

Amended Tables March 1906	
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Moulded Depth as measured..... 16.04

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.....	<u>730</u>
Length in Table	<u>192.5</u>
Difference	<u>37.5</u>
Correction for 10ft., Table A.	<u>1.0</u>
× Difference divided by 10	<u>3.75</u> (if required.)
If 1/10ths length covered divide by 2	<u>+ 1 3/4</u>

CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered	
Thickness of usual wood deck, less stringer.....	<u>-3</u>

CORRECTION FOR ROUND OF BEAM.

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

Breadth at Gunwale amidships.....	
Round of Beam.....	<u>9 3/4</u>
Normal round	<u>8 1/4</u>
Difference	<u>1 1/2</u> ÷ 2 = <u>3/4</u>
Proportion of Deck uncovered (Para. 19)	<u>- 1/4</u>

Freeboard, Table A	<u>2.94</u>
Correction for Sheer	<u>2.94</u>
Correction for Length	<u>1.97</u>
Allowance for Deck Erections	<u>1.04</u>
Correction for Round of Beam.....	<u>1.75</u>
Correction for fall in Sheer (if any)	<u>-3</u>

Correction for Iron Deck (if required)	<u>1.42</u>
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Additions for non-compliance with provisions of Para. 11 (d) and (e) †	<u>+1</u>
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Other Corrections (if any) <u>Bridge front stiffening</u>	
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Winter Freeboard	<u>1.54</u>
Summer Freeboard	<u>1.34</u>

Indian Summer Freeboard	
N. A. Winter Freeboard	

Correction necessary because clearside amidships, measured in accordance with the Statute, is not taken at the intersection of the wood or iron deck with side.	<u>1 1/2</u>
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Winter Freeboard from deck line	<u>1.75</u>
Summer " " "	<u>1.75</u>

Indian Summer " " "	
N. A. Winter, " " "	

Winter Freeboard from deck line	<u>1.5</u>
Summer " " "	<u>3 1/2</u>

Indian Summer " " "	<u>2</u>
N. A. Winter, " " "	<u>2</u>

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pt. 11b.

Do all the Frames extend to the top height in the Poop? ☒ Raised Quarter Deck? *yes* Bridge House *yes* Forecastle? *yes*.

To what height do the Reverse Frames extend? *Side stringers and decks alternately.*

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? *yes* 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? *5/16"* and Coaming plate? *1/16"*

Give scantlings and spacing of the Stiffeners *TL 4 x 3 x 7/20. Remained bar 3 x 3 x 7/20. About 24" apart.*

Are bracket plates fitted at each end of the Stiffeners? *yes* Are hor'l. brackets fitted connecting Bridge Bulk'd. with Bulwarks? *No*

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

How are the openings closed? *No openings*

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? *6'-6" and 3'-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.	No. 1. 21-2 x 17-0. <i>app</i>		No. 2. 24-10 x 17-0		No. 3. 19-0 x 16-6		No. 4. 19-0 x 16-1			
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING.										
Height above top of DECK	30	30	30	30	24	24	24	24		
Thickness { Sides.....	9/20	9/20	9/20	9/20	9/20	9/20	9/20	9/20		
{ Ends.....	9/20	9/20	9/20	9/20	9/20	9/20	9/20	9/20		
SHIFTING BEAMS OR WEB PLATES.										
Number.....	2	2	3	3	2	1	2	1		
Section and Scantlings.....	<i>Angle 3 x 3 x 7/16</i>		<i>Same as No. 1</i>		<i>Angle 1 1/2 x 3 x 7/16</i>		<i>Same as No. 3</i>			
Material.....	<i>steel</i>				<i>steel</i>					
FORE AND AFTERS.										
Number.....	5		5		4		4			
Section and Scantlings.....	<i>6" x 6" x 1/2"</i>	<input checked="" type="checkbox"/>	<i>Same as No. 1</i>	<input checked="" type="checkbox"/>	<i>6" x 6" x 1/2"</i>	<input checked="" type="checkbox"/>	<i>Same as No. 3</i>	<input checked="" type="checkbox"/>		
Material.....	<i>wood</i>				<i>wood</i>					
HATCHES Thickness.....	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? *5/16" steel* Strake between Main and Bridge Sheerstrakes? *5/16" steel*

Delete the words { The Crew ~~are not~~, berthed in the bridge house.

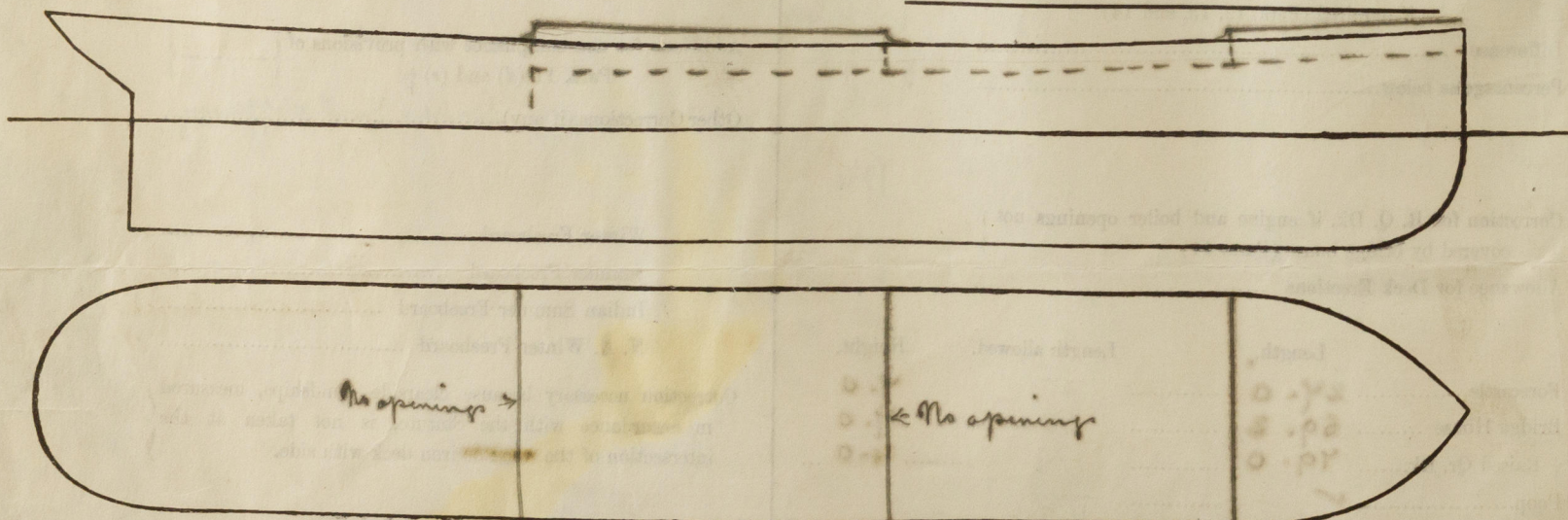
that do not apply { The arrangements to enable them to get backwards and forwards from their quarters ~~are not~~ satisfactory.

Length of Bulwarks in well *65'-0"*

Area of Freeing Ports required by Para. 11 (e) each side of vessel = *13.5* Sq. ft.

Ft.	Tenths.	Ft.	Tenths.	No.	Freeing Ports (each side of vessel)	= 13.5 ✓	Sq. ft.
3-0	x	1-5	x	3			

Total deficiency or excess = *✓ .5* 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 ☒ *The Captain will return it - a favour if*

The freeboards to be recommended to the Committee are wired to this office tomorrow.

Owners *Wasa - Nordby Angb. Akki Bal.*

Address *Wasa*

Fee £ *3 : 3*
applied for 21/4/10.

Received by me *28/4/10*

(a certificate of Good Ship) 2020
Hull

Lloyd's Register
Foundation