

Lloyd's Register of British & Foreign Shipping.

SURVEYS FOR FREEBOARD.—STEAM SHIPS.

13017
FRI. 22 APR 1910

ARTICULARS 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 Hull
Date of Survey 21st April 1910
Name of Surveyor Allison B. Wilson

Ship's Name. <u>Rapponia</u>	Port of Registry and Nationality. <u>Wasa Russian</u>	Official Number. <u>1153</u>	Gross Tonnage. <u>1898</u>	Date of Build. <u>4.1900</u>	Particulars of Classification. <u>#100A1.</u>
Number in Register Book <u>225</u>					

Registered Length from Register. <u>730.1</u>	BREADTH. <u>34.1</u>	DEPTH. <u>14.0</u>	UNDER DECK Tonnage. <u>899.67</u>
Length on TANK LINE <u>730</u>	Frame Depth Rule <u>34.1</u>	Ceiling Sheer <u>filled +.32</u>	Peak Tanks
REGISTERED LENGTHS. <u>730</u>	<u>34.1</u>	<u>14.32</u>	<u>899.67</u>

Moulded Depth as measured..... 16.0 1/4

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

Efficient of fineness80
Modification necessary [Para. 4 (a) to (e) *] } Cell 10B.
Efficient as corrected78

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>

Sheer { Stem... 65
 Sternpost... 24.5 } 89.5 ÷ 2 = 44.75 ... Mean

Sheer at 1/2 of the length from { Stem 36
 Sternpost 14 } 50 ÷ 2 = 25 ... Mean

Gradual mean Sheer 35 3/4

Standard mean Sheer (Table, Para. 18) 33 Correction

Difference..... 11.75 ÷ 4 = -3

If limited as Para. 18 (f).....

CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered

Thickness of usual wood deck, less stringer..... -3

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

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....

Round of Beam..... 9 3/4

Normal round 8 1/4

Difference 1 1/2 ÷ 2 = 3/4

Proportion of Deck uncovered (Para. 19) 28 1/2 - 1/4

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

ALLOWANCE FOR DECK ERECTIONS:—

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>2.6 1/4</u>
Difference	<u>1.9 1/4</u>
Percentage as below.....	<u>57.7%</u>
Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) }	<u>1 1/4</u>
Allowance for Deck Erections	

Freeboard, Table A	<u>2.9 1/4</u>	<u>2.9 1/4</u>
Correction for Sheer	<u>2.9 1/4</u>	<u>- 3</u>
Correction for Length	<u>2.6 1/2</u>	<u>2.6 1/4</u>
Allowance for Deck Erections	<u>1.9 1/4</u>	<u>+ 1 3/4</u>
Correction for Round of Beam.....		<u>2.8</u>
Correction for fall in Sheer (if any)		<u>1.0 1/4</u>
Correction for Iron Deck (if required)		<u>1.7 3/4</u>
Additions for non-compliance with provisions of Para. 11 (d) and (e) †		<u>- 3</u>
Other Corrections (if any) <u>Bridge front sheering</u>		<u>1.4 1/2</u>
Winter Freeboard		<u>+ 1</u>
Summer Freeboard		<u>1.5 1/4</u>
Indian Summer Freeboard		<u>1.3 1/2</u>
N. A. Winter Freeboard		
Correction necessary because clearside amidships, measured in accordance with the Statute, is not taken at the intersection of the wood iron deck with side.		<u>1 1/2</u>
Winter Freeboard from deck line		<u>1.7 1/2</u>
Summer " " " "		<u>1.7 1/2</u>
Indian Summer " " " "		
N. A. Winter, " " " "		

Length.	Length allowed.	Height.
Forecastle..... <u>24.0</u>	<u>27</u>	<u>4.0</u>
Bridge House <u>59.2</u>	<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>	

WINTER FREEBOARD

Winter Freeboard	<u>1.5</u>
Summer " " " "	<u>3 1/2</u>
Indian Summer " " " "	<u>2</u>
N. A. Winter, " " " "	

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

Fresh Water Line above centre of Disc ...	<u>Amended Tables</u>
Indian Summer Line " " " " ...	<u>March 1906</u>
Winter Line below " " " " ...	
Winter North Atlantic Line " " " " ...	

† 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 beam to the water line. If measured relatively to water line the vessel's draft at time of survey, and also the usual load draft for the vessel, should be reported.

© 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 amidship 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 points distant one-eighth of the vessel's length from stem and stern-post.

MARKING RECEIVED 24 MAR 1925

RECEIVED 21 OCT 1910

Lloyd's Register Foundation

P.T.O.

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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~~ 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~~ 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 *T 4 x 3 x 7/20. Remond 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.*

Rule 30 6+2+9
36 7+2+9
Vessel 34 ft
7+2+9

PARTICULARS
HAVING
OR
Lapp
S.S.
Number in
Registered
shown by sh
Length on
Breadth ...

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		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		
	Ends.....	9/20	9/20	9/20	9/20	9/20	9/20	9/20		
SHIFTING BEAMS OR WEB PLATES.	Number.....	2	2	3	3	1	2	1		
	Section and Scantlings.....	<i>Angle 3 x 3 x 7/20</i>		<i>Same as No 1</i>		<i>Angle 1 1/2 x 3 x 7/20</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.....										

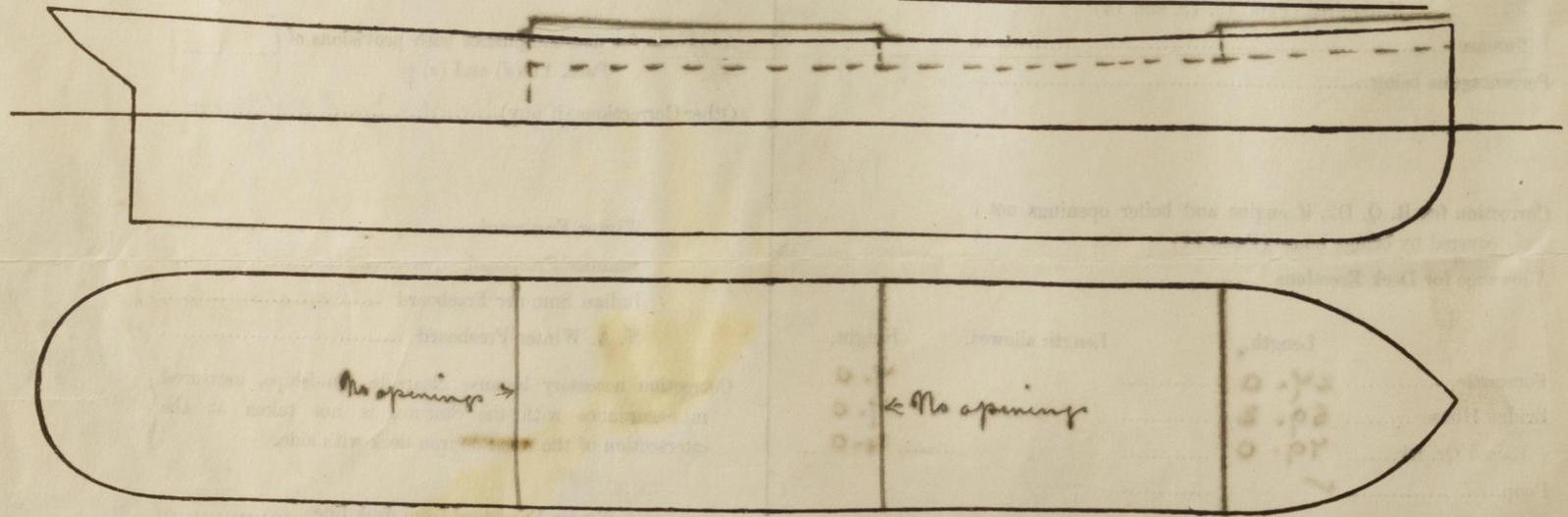
* When the Fore and Afters are of wood the depth should be stated from the underside of the hatches.
 (If the sill of the lowest side scuttle will be less than 6 inches above the Indian Summer Load Line if assigned under the tables, state vertical distance from top of deck at side amidships to lower 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. *Captain states he will fit bridge for crew to get to their quarters facilities fitted Oct 1910*
 { 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) = <i>13.5</i> 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 - Nordenskyo Aufb. Akki Bol.*
 Address *Wasa*

Fee £ *3* : *3* : *-*
 Received by me *28/4/10*

