

Received 29.12.17

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Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.—STEAM SHIPS.

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 Gotthenburg
Date of Survey 2nd Nov. 28th Nov. 1917
Name of Surveyor J.H. Kayf. J. J. J. J.

Ship's Name Bullaren
V.O.B. S.S. No. 344
Number in Register Book 56 Soff
Port of Registry and Nationality Gotthenburg Swedish
Official Number

Gross Tonnage
Date of Build 1917

Particulars of Classification
100 A 1
"Shelter deck with freeboard"
Plans contemplated.

REGISTERED DIMENSIONS FROM THIS REGISTER.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
Length on TINE.	<u>436.8</u>	<u>56.22</u>	<u>26.96</u>	<u>5135.67</u>
REGISTERED DIMENSIONS.	<u>425</u>	<u>55.59</u>	<u>27.86</u>	<u>5135.67</u>

Moulded Depth as measured 30'-0" to Main Decks
38'-0" to Shelter Decks
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>425</u>
Length in Table	<u>360</u>
Difference	<u>65</u>
Correction for 10ft., Table A.	<u>1.5</u> Table C.
× Difference divided by 10	<u>9.75</u> (if required.)
If $\frac{1}{10}$ ths length covered divide by 2	<u>+ 4 $\frac{3}{4}$</u>

CORRECTION FOR IRON DECK.

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

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	<u>55-7 $\frac{3}{4}$</u>
Round of Beam	<u>14. $\frac{3}{8}$</u>
Normal round.....	<u>14</u>
Difference	<u>÷ 2 =</u>
Proportion of Deck uncovered (Para. 19)	

Freeboard, Table A	<u>7-6</u>
Correction for Sheer	<u>- 3 $\frac{1}{2}$</u>
Correction for Length	<u>7-2 $\frac{1}{2}$</u>
Allowance for Deck Erections	<u>+ 4 $\frac{3}{4}$</u>
Correction for Round of Beam.....	<u>7-7 $\frac{1}{4}$</u>
Correction for fall in Sheer (if any).....	<u>2-8</u>
Correction for Iron Deck (if required)	<u>4-11 $\frac{1}{2}$</u>
Other Corrections (if any)	
Winter Freeboard	<u>4-7 $\frac{1}{2}$</u>
Summer Freeboard	<u>4-13 $\frac{1}{2}$</u>
Indian Summer Freeboard	<u>3-7 $\frac{3}{4}$</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 or iron deck with side.

Winter Freeboard from deck line	<u>4-9 $\frac{1}{2}$</u>
Summer " " " "	<u>4-3 $\frac{1}{2}$</u>
Indian Summer " " " "	<u>3-9 $\frac{1}{2}$</u>
N.A. Winter " " " "	

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

Fresh Water Line above centre of Disc	<u>4-3 $\frac{1}{2}$</u>
Indian Summer Line " " " "	<u>6 $\frac{1}{2}$</u>
Winter Line below " " " "	<u>6</u>
Winter North Atlantic Line " " " "	<u>6</u>

Coefficient of fineness..... .78 ✓
Modification necessary under Para. 4 (a) to (e)* Cell D.B.
Coefficient as corrected76 ✓

Main and Shelter deck Sheer
{ Stem... 8'-6"
{ Sternpost 3'-10 $\frac{3}{4}$ " } 148 $\frac{3}{4}$ " ÷ 2 = 74 $\frac{3}{8}$ " ... Mean

at $\frac{1}{8}$ of the length from { Stem 4'-7 $\frac{1}{4}$ "
{ Sternpost 1'-6" } 73 $\frac{1}{4}$ " ÷ 2 = 36 $\frac{5}{8}$ " ... Mean

Local mean Sheer 66.6 ÷ .55 = 66.6
Local mean Sheer [Table, Para. 18] 52.5
Difference..... 14.1 ÷ 4 = - 3 $\frac{1}{2}$ "
Permitted as Para. 18 (f).....

in Sheer amidships { At front of bridge house.....
[18 (e)] { At after end of forecastle 5'-8 $\frac{5}{8}$ ".....

in Sheer 46'-6" abaft of midship (frames 96)
[18 (d)] { 1.85" ÷ 2 = - .93"

uncovered
been measured to the straight line of keel. Correction

ALLOWANCE FOR DECK ERECTIONS:—

Correction for Length, if required (Para. 12, 13, and 14)	<u>4-4 $\frac{1}{2}$</u>
Correction by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14)	<u>7-2 $\frac{1}{2}$</u>
Correction for Deck Erections	<u>2-10</u>
Correction for Round of Beam.....	<u>94.28%</u>
Correction for fall in Sheer (if any).....	<u>32.05</u>
Correction for Iron Deck (if required)	<u>- 32"</u>

Length.	Length allowed.	Height.
<u>36</u>		<u>7'-6"</u>
<u>386-4 $\frac{1}{2}$</u>	<u>385.82</u>	
<u>4-5</u>		<u>8'-0"</u>
<u>34-2 $\frac{1}{2}$</u>	<u>33.10</u>	
<u>425-0</u>	<u>418.92</u>	
	<u>3.04 = $\frac{1}{2}$ diff</u>	
	<u>421.96</u>	
	<u>425 = .9928</u>	

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11)
Correction for Deck Erections

frames, skin planking, or ceiling are of unusual thickness the breadth of vessel to include should be reported if possible.
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? Raised Quarter Deck? Bridge House? Forecastle? *Yes*

To what height do the Reverse Frames extend? *Trailing as per plan*

Has the Poop or Raised Quarter Deck an efficient Iron Bulkhead at the fore end?

Give particulars of the means for closing the openings in Bulkhead

Is the Poop or Raised Quarter Deck connected with the Bridge House? Has the Bridge House an efficient Bulkhead at the fore end?

Give particulars of the means for closing the openings in Bulkhead

What is the thickness of the Bridge Front plating? and Coaming plate?

Give scantlings and spacing of the Stiffeners

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

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

How are the openings closed?

Is the Forecastle at least as high as the main or top-gallant rail? *Yes* Has the Forecastle an efficient ^{steel} 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?

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. 5. 22'-2" x 18'-0"		No. 2. 28'-9" x 18'-0"		No. 3 & 4. 24'-4" x 18'-0"		No. 6. 17'-9" x 18'-0"	
	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING.	Height above top of DECK	32"	32"	32"	32"	32"		
	Thickness	Sides.....	.44"	.44"	.44"	.44"		
		Ends.....	.44"	.44"	.44"	.44"		
SHIFTING BEAMS OR WEB PLATES.	Number.....	4	5	4	3			
	Section and Scantlings	4" x 3" x .44 15" x 11 1/2" x .34 4" x 3" x .44	4" x 3" x .44 16" x 12 1/2" x .34 4" x 3" x .44	4" x 3" x .44 16" x 12 1/2" x .34 4" x 3" x .44	4" x 3" x .44 15" x 11 1/2" x .34 4" x 3" x .44			
	Material.....	Steel	Steel	Steel	Steel			
* FORE AND AFTERS.	Number.....	None	None	None	None			
	Section and Scantlings							
	Material.....							
HATCHES	Thickness.....	2 1/2"	2 1/2"	2 1/2"	2 1/2"			
Remarks.....								

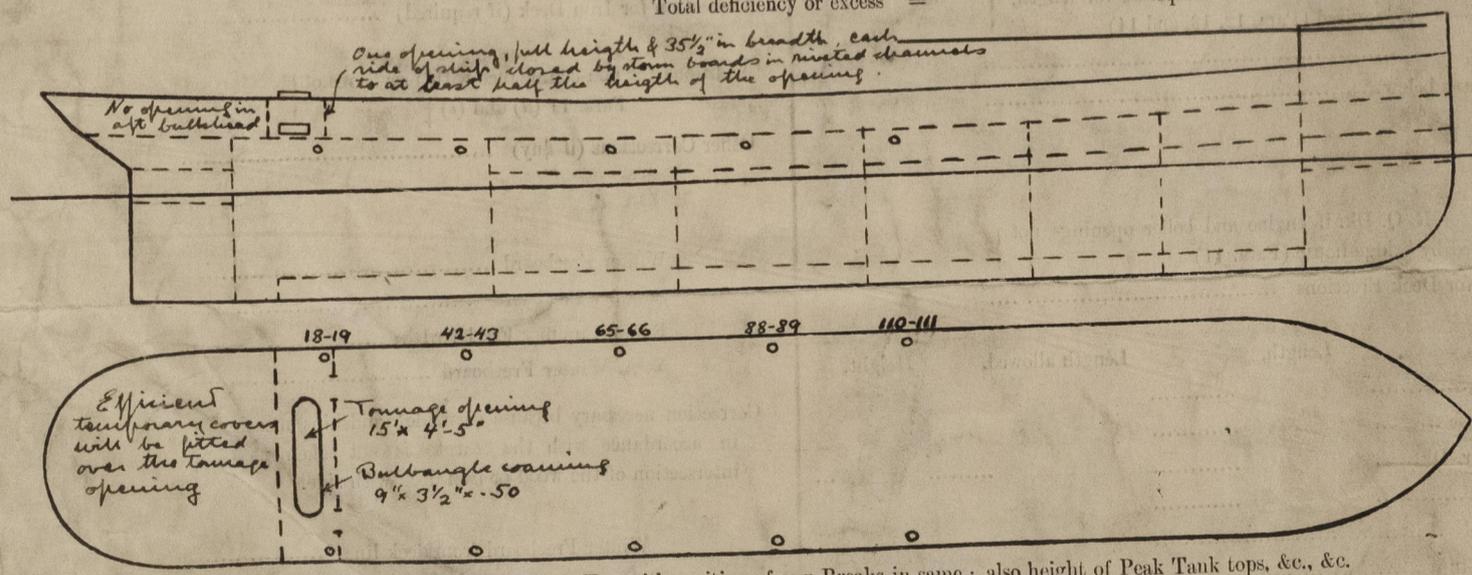
* The depth of Fore and Afters should be stated from the underside of the hatches in all cases.
 (If the sill of the lowest side scuttle will be less than 6 inches above the Indian Summer Load Line if assigned under the tables, state vertical distance from top of deck at side amidships to lower edge 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? 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 not satisfactory.

Length of Bulwarks in well = _____ Sq. ft.
 Area of Freeing Ports required by Para. 11 (e) each side of vessel = _____ Sq. ft.
 Ft. Tenths. Ft. Tenths. No. } Freeing Ports (each side of vessel) = _____ Sq. ft.
 Total deficiency or excess = _____ 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. *Addition for keel 2 1/8"*
 5 cast steel snuffer pipes as per rule are fitted on each side of ship and openings in deck will be closed by covers. Particulars of the registered dimensions and tonnage will be communicated to London by cable as soon as the vessel has been measured.

Owners *Rederi Aktiebolaget Transatlantic*
 Address *Göteborg*
 No. *133.75* Received by me

