Lloyd's Register of Shipping.
SURVEYS FOR FREEBOARD.—STEAM SHIPS.

TUE. 15 JUL. 1919

~~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 *Rotterdam*
Date of Survey *Building*
Name of Surveyor *L. Vuyk*

Sc. Nieuwe No 129 Yard

Name.	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
ex S.S. "*Belonia*"	*Helsingborg Swedish.*	129	*not yet measured.*	*19 19*	*100 A1 contemplated.*

Number of Register Book

	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
Register dimensions from Ship's Register.	180.2	28.1	12.4	512.25
Length on LOADLINE.	180	Frame Depth 5½ Rule " 3 Ceiling {filled Sheer 4.66 — .42	2½ level tank	Peak Tanks Included
CORRECTED DIMENSIONS.	180	27.68	13.06	512.25

Co-efficient of fineness......... .78

Any modification necessary [Para. 4 (d) to (e)]* 6.2.13.

Co-efficient as corrected ...... .76

Sheer at {Stem........4.11¾ 8.11¼ ÷ 2 = 53.87...Mean
{Sternpost..4.0"

Sheer at ⅙ of the length from {Stem 2.8½ 4.9 ÷ 2 = 28.5...Mean
{Sternpost 2.0½   ÷ .55

Gradual mean Sheer .... 51.8 = 51.8

Standard mean Sheer [Table, Para. 18] 28   Correction

Difference................. 23.8 ÷ 4 =

§ If limited as Para. 18 (f) .... — 6

Rise in Sheer from amidships {At front of bridge house...... — 5¾"
[Para. 18 (e)] {At after end of forecastle .... 2.7¼"

¶ Fall in Sheer Para. 18 (d) } ÷ 2 =

Length uncoverd ...... Correction

ALLOWANCE FOR DECK ERECTIONS :—

Freeboard, Table C........ 6½

Correction for Length, if required (Para. 12, 13, and 14) ......

Freeboard by Table C, corrected for sheer, and for length, if required (Para. 12, 13, and 14) } 1 — 10½

Difference 1 — 4

Percentage as below. 67%

— 10¾

Correction for R.Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) } + ½

Allowance for Deck Erections — 10¼

	Length.	Length allowed.	Height.
Forecastle....	23.16	23.16	6.75
Bridge House..	11.6	at centre 7.25 at sides 7.00 14.60	4.00
† Raised Qr. Dk.	10.6	102.6	4.00
Poop..........		102.6	
Total		140.36 / 180 = .78	

Length of Ship 180

Corresponding percentage (Para. 12, 13, or 14) 67%

FREEBOARD 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 " " "

Moulded Depth as measured............ 14'6"

Addition for Keel below base line for draught record...g.a.....inches. Keelplate + A shake

CORRECTION FOR LENGTH.

Length of Ship on Loadline........ 180'0"

Length in Table 174

Difference 6

Correction for 10ft., Table A...... 1.0 Table C.

× Difference divided by 10 .... .6 (if required.)

If ⅒ths length covered divide by 2 .3
                                      + 4

CORRECTION FOR IRON DECK.

Proportion covered, if less than ⅒ths length covered ......

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

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships........

Round of Beam .... 7" over 28'0 beam.

Normal round ....

Difference .... ÷ 2 =

Proportion of Deck uncovered (Para. 19) ....

Freeboard, Table A .... 2 — 4½

Correction for Sheer .... — 6

1 — 10½

Correction for Length .... + ¼

1 — 10¾

Allowance for Deck Erections .... — 10¼

1 — 0½

Correction for Round of Beam.....................

Correction for fall in Sheer (if any).......... —

Correction for Iron Deck (if required) .... — 3

0 — 9½

Additions for non-compliance with provisions of }
Para. 11 (d) and (e) ‡   }

Other Corrections (if any)

Winter Freeboard .... 0 — 9½
Summer Freeboard .... 0 — 7½
Indian Summer Freeboard .... 0 — 5½
N. A. Winter Freeboard .... 1 — 0

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. } 1

Winter Freeboard from deck line .... 0 — 10½
Summer " " " .... 0 — 8½
Indian Summer " " " .... 0 — 6½
N. A. Winter " " " .... 1 — 1
                                         0 — 8½"
                                         3½
                                         2
                                         2
                                         4½

State dimensions of freeing part 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.

MARKING FORM RECEIVED 10 MAY 1920

Do all the Frames extend to the top height in the Poop? ✓   Raised Quarter Deck: Yes   Bridge House: Yes   Fo...

To what height do the Reverse Frames extend? By way of Engine & Boilerspace to R.Q. Deck for the L...

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   None.

Is the Poop or Raised Quarter Deck connected with the Bridge House? Yes.   Has the Bridge House an efficient Bulkhead at the f...

Give particulars of the means for closing the openings in Bulkhead   None.

What is the thickness of the Bridge Front plating? .30   and Coaming plate .30

Give scantlings and spacing of the Stiffeners   L 6 × 3 × .40   spaced 30"

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

Has the Bridge House an efficient iron Bulkhead at the after end? Yes.

How are the openings closed? The opening to cabin, teak wood door.

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?   R.Q. Deck and casing

If the openings are not so protected are the exposed parts of the Casings efficiently constructed? Yes.

Give thickness of plating; scantlings and spacing of Stiffeners .26 - .32   3 × 2½ × .28 A - 30" apart.

What is the height of the exposed Casings? 6'9"   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:—   see below.

Position and Size.	25'8" × 15'6"		24'4" × 15'6"							
Item.	Ship.	late plan	Ship.	late plan	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
Coaming, Height above top of Deck	39	39	36	36						
Thickness Sides	.44	.44	.44	.44						
Thickness Ends	.44	.44	.44	.44						
Shifting Beams or Web Plates. Number	five	five	five	five						
Section and Scantlings	I 14 × 8 × .36 with angles									
Material	3½ × 3 × .42 for both hatchways									
Fore and Afters. Number										
Section and Scantlings										
Material										
Hatches Thickness	3"	3"	3"	3"						
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 Pars. 11, 12 (under 15 feet Moulded depth) and under Shelter Decks.

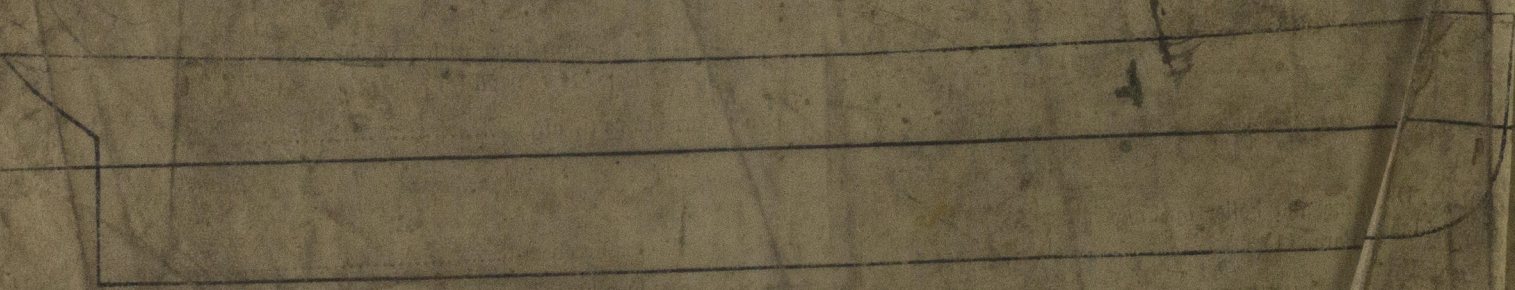What is the thickness of the Bridge Sheerstrake? as per plan   Strake between Main and Bridge Sheerstrakes?

Delete the words that do not apply { The Crew are, are not, berthed in the bridge house. forecastle
{ The arrangements to enable them to get backwards and forwards from their quarters are, are, not satisfactory. over hatches with lifeline

Length of Bulwarks in well   38'6"   39'0   =   10.85 Sq. ft.

Area of Freeing Ports required by Pars. 11 (a) each side of vessel

ft. Tenths.   Ft. Tenths.   No.
2.5 × 1.5 × 3   Freeing Ports (each side of vessel)   =   11.25 Sq. ft.
   ×   ×

Total deficiency or excess   =   8 Sq. ft.

The vessel is a sistership to the S.S. "Hollandia I" Rotterdam Report No. 10493 to which a freeboard has been assigned.

The approved plans to which the vessel has been built have been forwarded with our first entry report No. 1049...

Show hereon line of Floors or Tank Top with position any Breaks in same; also height of Peak Tanks &c. &c.
on the S.S. "Hollandia I"

State any special features in the construction of the Vessel

Application forms attached to this Report.

Owners   Frans Börjesson Esq.

   Address   Helsingborg.

   Fee £ 25.60   will be Received by me   R. Vuyk.