

Lloyd's Register of British & Foreign Shipping.

SURVEYS FOR FREEBOARD.

MON. 29 OCT 1906

PARTICULARS IN RESPECT OF STEAM SHIPS WITH TOP GALLANT FORECASTLES,
HAVING LONG POOPS OR RAISED QUARTER DECKS CONNECTED WITH BRIDGE HOUSES,
OR SHORT POOP AND BRIDGE HOUSE DISCONNECTED, OR BRIDGE HOUSE.

Delete words which do not apply.

Port of Survey Bremerhaven
Date of Survey 27th October 1906
Name of Surveyor J. Thomsen

Ship's Name.	Gross Tonnage.	Official Number.	Type of Ship.	Date of Build.	Particulars of Classification.
<u>Rotenfel</u>	<u>2</u>		<u>Steel Sloop</u> <u>Steamer</u>	<u>1906</u>	<u>*100 A 1 Spardeck</u> <u>Contemplated</u>
Number in Register Book <u>30 in Sept.</u>					

Registered Length as shown by ship's register. 420' Breadth 55' Depth 28.57'
Length on Loadline 420'
Breadth 55'
- .16 for deep fr
54.84

Depth 28.6' = Tons and Dk. 5200
Correction for excess or deficiency of Gradual Sheer (Para. 8)43
Depth to be used 29.03 28.6' = 6600

Co-efficient of fineness 0.776.78
Any modification necessary [Para. 4 (a) to (e) *] 45' cellular d/bottom = 30' ordinary floors
Co-efficient as corrected76

Sheer { Stem... 9'8" } 13'3 1/2" ÷ 2 = 6'7 1/4" Mean 79 3/4"
at { Sternpost... 3'7 1/2" }
Sheer at 1/2 of the length from { Stem 4'9 1/2" } 6'1 3/4" ÷ 2 = 3'6 1/2" Mean 37-12"
{ Sternpost 1'4 1/4" }
Gradual Sheer 67.48 79 3/4" 79 3/4"
Standard Sheer (Table, Para. 18) 59.0 53 Correction -
Difference 1.5.48 28 1/4" ÷ 4 = 6'4 1/2"
- 3 3/4"

Rise in Sheer from amidships [Para. 18 (e)] { At front of bridge house 0'11 1/2"
At after end of forecastle 4'11"

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C. 4'10"
Correction for Length, if required (Para. 12 and 13) - 3'3 1/4"
Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12 and 13) 8'8 3/4"
Difference 3-1 1/2" 2'11 3/4"
Percentage as below 11.57

Correction for engine and boiler openings not being covered by bridge house, in cases coming under Para. 11 - 13"

Allowance for Deck Erections

	Length.	Length allowed.	Height.
Forecastle.....	<u>51'3"</u>	<u>51.25'</u>	<u>7'3"</u>
Bridge House	<u>112'6"</u>	<u>112.50</u>	<u>7'3"</u>
† Raised Qr. Dk.....	-	-	-
Poop.....	<u>58'4"</u>	<u>58.33</u>	<u>7'3"</u>
Total	<u>222.08</u>	<u>0.53</u>	
Length of Ship	<u>420</u>		

Corresponding percentage (Para. 11, 12, or 13.) { 32%

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

	Fresh Water Line	above centre of Disc
Indian Summer Line	"	"
Winter Line	below	"
Winter North Atlantic Line	"	"

† 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.

Moulded Depth as measured. 31'2"
3" Teak sheathing
clear of erections
Depth to use.
31-1 1/2"

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..... 420'
Length in Table 372.5
Difference 46.5

Correction for 10ft., Table A. 1.6" Table C. 0.8
78 × Difference divided by 10 7.7" (if required.) 3.85
If 1/10ths length covered divide by 2 for vessels coming under Para. 11 and Para. 12 } + 7 1/2" + 3 3/4"

CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered
Thickness of usual wood deck, less stringer..... 3 1/2"
3" sheathing clear of erections
thickness allowed in reduced Mid Depth
Correction - 3"

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... 55'
Round of Beam..... 1'2"
Normal round 1'2"
Difference - ÷ 2 =

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

Proportion of Deck uncovered (Para. 19) Inside erections

Freeboard, Table A 7'11.75" 7-11 1/2"
Correction for Sheer 6.69" - 3 3/4"
Correction for Length 7'5.06" 7'7 3/4"
7.68" + 7 1/2"
Allowance for Deck Erections 8'0.74" 8-3 1/2"
0'11.57" - 1 1/2"
7'1.17" 7-2 1/4"
Correction for Round of Beam.....
Correction for Iron Deck (if required) 0'3" - 6-11 1/4"
Additions for non-compliance with provisions of Para. 11 (d) and (e) †
Other corrections (if any).....

Winter Freeboard 6'70 11 1/2"
Summer Freeboard 6'5 3/4"
N.A. Winter Freeboard

Correction necessary because clear side amidships measured in accordance with the Statutes is not taken at the intersection of the wood or iron deck with side. } 2"

Winter Freeboard from deck line § 7'8 1/2"
Summer " " " " 6'7 3/4"
N.A. Winter " " " "

6-7 1/2" 6'7 1/2" }
6 1/2"
5 1/2"

† State dimensions of freeing port area on back of this form
§ Marked in accordance with Sec. 437, M.S. Act, 1894.

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Lloyd's Register
Foundation

The Crew ~~are not~~ berthed in the bridge house.

The arrangements to enable them to get backwards and forwards from their quarters ~~are~~ satisfactory.

Length of Bulwarks in well *95 feet forward 93 feet aft*

Area of freeing ports required by Para. 14 (c) each side of vessel *38* Sq. Ft.

Freeing Ports (each side of vessel) *Open rail in way of hatchways*

Ft.	Tenths.	Ft.	Tenths.	No.		
21.	-	x 3.	-	x 2	144	= 582 Sq. Ft.
24.	-	x 3.	-	x 2	186	
31.	-	x 3.	-	x 2	126	
21.	-	x 3.	-	x 2		
Total deficiency =						Sq. Ft.
Total excess =					506	

Vertical distance from bottom of keel or from top of deck at side amidships to lower edge of lowest side scuttle.

(N.B.—This dimension need not be reported unless the sill of the lowest side scuttle would be less than 6 inches above the Indian Summer Load Line if assigned under the tables.)

Do all the Frames extend to the top height in the Poop? *Yes*

Do. do. do. in the Raised Quarter Deck? *—*

Do. do. do. Bridge House? *Yes*

Do. do. do. Forecastle? *Yes*

To what height do the Reverse Frames extend? *Bulb angles to Poop, Bridge and Forecastle deck*

Has the Poop ~~or Raised Quarter Deck~~ an efficient Iron Bulkhead at the fore end? *Yes steel bulkhead*

Give particulars of the means for closing the openings in Bulkhead *3" Storm plank fitted in Channels up to Poop deck*

Is the Poop ~~or Raised Quarter Deck~~ connected with the Bridge House? *No*

State whether the Bridge House efficiently covers the Engine and Boiler Openings *Yes*

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

Give particulars of the means for closing the openings in Bulkhead *Hinged steel doors*

Describe how and to what extent it is Stiffened, give scantlings and spacing of Angle Irons, Bulb Plates, etc. *Bulb angles as per rule*

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

How are the openings closed? *Storm plank 3" fitted in channels up to Bridge deck*

Is the forecastle at least as high as the main or top-gallant rail? *Yes 4 feet above main rail*

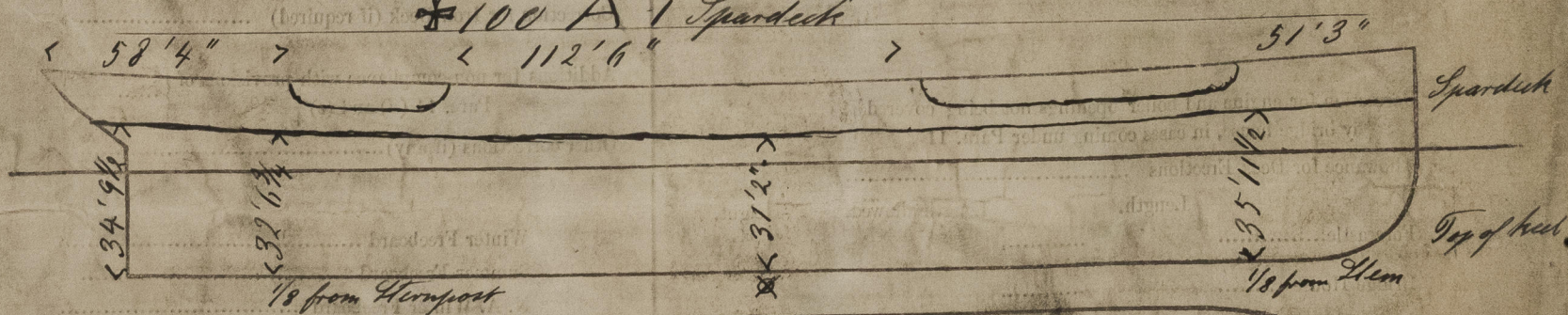
Has the Forecastle an efficient Iron or Wood Bulkhead at its after end? *Yes steel bulkhead*

Are the Hatchways efficiently constructed? *Yes* What is the thickness of the Hatches? *3"*

State the height of the Coamings in fore well? *3'0"* In after well *3'0"*

Are the exposed parts of the Engine and Boiler Casings efficiently constructed? *Yes*

State any special features in the construction of the Vessel, *this is a spar deck vessel built to 3 decks rule and all dimensions are fully coinciding with the rules, some are in excess, the vessel is contemplated to be classed*



Vessel classed 100 A 1 Spar Deck but scantlings & construction equivalent to 1885 Rules for 3 Deck vessel

Show hereon the actual measurements of sheer, draft, erections, breaks in line of floors, &c.

Owners *Deutsche Dampfschiffahrt Gesellschaft Hamburg*

Address *Bremen*

Fee £

Received by me *Will be paid when the steamer is quit* Lloyd's Register Foundation