

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.—STEAM SHIPS.

No. 89.
16191
FEB. 8-1919

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 Helsingborg.Date of Survey 10th July, 1919.Name of Surveyor G. W. J. J. J.

Ship's Name. "Dido"	Port of Registry and Nationality. Helsingborg. Swedish	Official Number. 5309	Gross Tonnage. 1903-5 mo.	Date of Build. 1903-5 mo.	Particulars of Classification. ✱ 100F1
Number in Register Book 394					

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	250.0'	37.25'	18.9'	1420.71
Length on LOADLINE.	250	Frame Depth 8 Rule "5/3 = - .5-	Ceiling fitted Sheer + .49	Peak included Tanks
CORRECTED DIMENSIONS.	250	36.75	19.39	1420.71

Co-efficient of fineness..... .80

Any modification necessary [Para. 4 (a) to (e)]* C. 513

Co-efficient as corrected78

Sheer at Stem..... 70	105 ÷ 2 = 52.5	Mean 36.17.7
at Sternpost ... 35		
Sheer at 1/2 of the length from Stem 38.5	58 ÷ 2 = 29	Mean 36.17.7
Sternpost 19.5	÷ .55 = 52.7	
Gradual mean Sheer	52.6	
Standard mean Sheer [Table, Para. 18]	35.0	Correction
Difference.....	17.6	÷ 4 = -4.4
§ If limited as Para. 18 (f).....		

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 =	Correction
Length uncovered		

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C.....	1 .. 7 1/2
Correction for Length, if required (Para. 12, 13, and 14)	- 1/4
Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14)	3 .. 10 1/4
Difference	2 .. 3
Percentage as below.....	28.92%
	7 3/4

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

Allowance for Deck Erections

	Length.	Length allowed.	Height.
Forecastle.....	29' 25"	29.25	7'
Bridge House	58'	58.0	7'
† Raised Qr. Dk.....	30.75 - 3.5	26.9	3 1/2'
Poop.....	51' x 4		
Total	118' = 472	114.15 = 456	
Length of Ship	250		

Corresponding percentage (Para. 11, 12, 13, or 14) 28.92%

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	" " "	...

15.8.19

† 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 sternpost. In vessels having poops and forecastles, it means the sheer measured at points distant one eighth of the vessel's length from stem and sternpost.

Im. 27. T.

Moulded Depth as measured.....	21' 2"
Addition for Keel below base line for draught record..... inches.	1 1/4

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.....	250
Length in Table	254
Difference	4
Correction for 10ft., Table A.	1.2 Table C. .6
× Difference divided by 1048 (if required.) .24
If 1/10ths length covered divide by 2	- 1/2 - 1/4

CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered472
Thickness of usual wood deck, less stringer	3 1/2
	- 1 3/4

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	36
Round of Beam	9 1/4
Normal round.....	9
Difference	÷ 2 =
Proportion of Deck uncovered (Para. 19)	

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

Freeboard, Table A	4 .. 3 1/4
Correction for Sheer	- 4 1/2
	3 .. 10 3/4
Correction for Length	- 1/2
	3 .. 10 1/4
Allowance for Deck Erections	- 7 3/4
	3 .. 2 1/2
Correction for Round of Beam.....	✓
Correction for fall in Sheer (if any).....	
Correction for Iron Deck (if required)	- 1 3/4
	3 .. 0 3/4
Additions for non-compliance with provisions of Para. 11 (d) and (e) †	
Other Corrections (if any)	

Winter Freeboard	3 .. 0 3/4
Summer Freeboard	2 .. 9 3/4
Indian Summer Freeboard	2 .. 6 3/4
N. A. Winter Freeboard	3 .. 2 3/4

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	3 .. 2 1/4
Summer " " " "	2 .. 11 1/4
Indian Summer " " " "	2 .. 8 1/4
N. A. Winter " " " "	3 .. 4 1/4

Deck Line, Wood (Iron) Deck:—	2' 11"
...	4 1/2
...	3
...	3
...	5

† 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 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? *yes* Raised Quarter Deck? *yes* Bridge House? *yes* Forecastle? *yes*
 To what height do the Reverse Frames extend? *Bulk framing*
 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? *no* Has the Bridge House an efficient Bulkhead at the fore end? *yes*
 Give particulars of the means for closing the openings in Bulkhead *2 openings 29" x 27" closed by packed + bolted steel*
 What is the thickness of the Bridge Front plating? *3/8"* and Coaming plate? *3/8"*
 Give scantlings and spacing of the Stiffeners *7" x 3" x 1/2"* *bulk angles spaced 30" apart.*
 Are bracket plates fitted at each end of the Stiffeners? *yes* Are hor'l. brackets fitted connecting Bridge Bulk'd. with Bulwarks? *yes*
 Has the Bridge House an efficient Iron Bulkhead at the after end? *yes*
 How are the openings closed? *Efficient means of closing either by portable iron doors or by weather boards will*
 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? *yes*
 Give thickness of plating; scantlings and spacing of Stiffeners *yes*
 What is the height of the exposed Casings? *yes* 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:—

Position and Size.	No. 1 - 16' x 14'	No. 2 - 26' x 14'	No. 3 - 24' x 14'	No. 4 - 18' x 14'	No. 5 - 7'6"
Item.	Ship.	Rule.	Ship.	Rule.	Ship.
COAMING.					
Height above top of DECK	30"	30"	30"	30"	18"
Thickness { Sides.....	8/20"	8/20"	8/20"	8/20"	7/20"
{ Ends.....	7/20"	7/20"	7/20"	7/20"	7/20"
WEATHER DECK PLATES.					
Number	1 web plate	2 web plates	2 web plates	1 web plate	None.
Section and Scantlings	32" x 28" x 8/20"	as in No. 1	as in No. 1.	as in No. 1	None.
Material	26l. angles top and bottom 3" x 3" x 7/20"				
* FORE AND AFTERS.					
Number	3	3	3	3	None
Section and Scantlings	9 x 9	9 1/2 x 9 1/2	9 x 7	9 x 7	None
Material	None 7 x 7	None 7 x 7	None 7 x 7	None 6 3/4 x 6 3/4	None
HATCHES Thickness	3	3	3	3	3
Remarks.....					

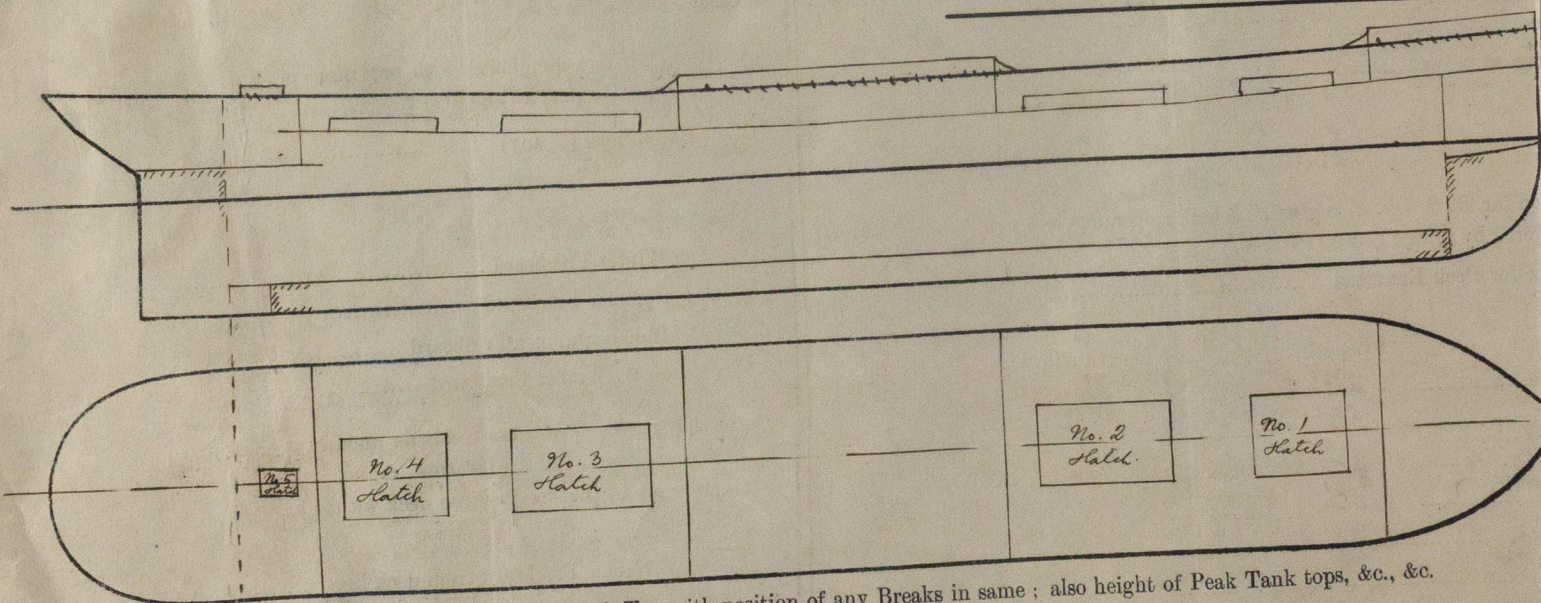
* The depth of Fore and Afters should be stated from the underside of the hatches in all cases.

(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 Paras. 11, 12 (under 15 feet Moulded depth) and under Shelter Deck R
 What is the thickness of the Bridge Sheerstrake? *8/20"* Strake between Main and Bridge Sheerstrakes? *7/20"*

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 *64'* Sq. ft. *13*
 Area of Freeing Ports required by Para. 11 (e) each side of vessel =
 Ft. Tenths. Ft. Tenths. No. } Freeing Ports = Sq. ft.
 (each side of vessel)
 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. *Accommodations are no more fitted in poop forward after peak bulkhead nor in bridge space. Flooring in way of old saloon partly removed efficient timber hatch (No. 5) fitted in way of old saloon skylight. Poop front bulkhead strengthened. This vessel will be remeasured and details of measurements wired to as soon as obtained. Enclosed please find the old freeboard certificate for this vessel.*

Owners *Rederiaktiebolaget Lärman,*

Address *Lelsingborg.*

Free No.

: 57 : 33

Received by me



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