

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.—STEAM SHIPS.

28 SEP 1929

PARTICULARS RELATING TO ALL STEAM SHIPS EITHER FLUSH DECKED, OR WITH 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 Schiedam
Date of Survey Building
Name of Surveyor J. v. Heerwaarden

Ship's Name. DELTADISK Port of Registry and Nationality. Dutch Official Number. 518 Gross Tonnage. 1929 Date of Build. 100 A1 Particulars of Classification. Contemporary

LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
490.36	64.75	34.18	9038.09
490.0	64.72	37.51	9142.09

Moulded Depth as measured.....	40'0"
Addition for Keel below base line for draught record.....	1 3/4 inches. <u>Keel + A shake</u>
Correction for Length.	
Length of Ship on Loadline.....	490
Length in Table	480
Difference	10
Correction for 10ft., Table A.	1.7
Table C.8
× Difference divided by 10	1.7 (if required.)
If 1/10ths length covered divide by 2	= + 1 3/4

efficient of fineness.....	.769
modification necessary {	C.D.B.
[Para. 4 (a) to (e)]*	
efficient as corrected75
Stem	8' 9 3/4
Sternpost	4' 4"
Mean	57.75 ÷ 2 = 78.87
Stem	5' 1 1/2
Sternpost	2' 4 3/4
Mean	90.25 ÷ 2 = 45.12
Mean Sheer	80.46 ÷ 55 = 82.04
Standard mean Sheer [Table, Para. 18]	59.0
Difference.....	21.46 ÷ 4 = 5.36
If limited as Para. 18 (f)	= - 5 1/4"

Correction for Iron Deck.	
Proportion covered, if less than 1/10ths length covered772
Thickness of usual wood deck, less stringer	3 1/2"
Correction for Round of Beam.	
Breadth at Gunwale amidships.....	64'6"
Round of Beam	12' over 64'6" beam.
Normal round.....	16.12
Difference	4.12 ÷ 2 = 2.06
Proportion of Deck uncovered (Para. 19)521
	= 1.07 = + 1"

Rise in Sheer {	At front of bridge house.....	1' 4 5/8"
from amidships {	At after end of forecastle	5' 11 1/4"
Para. 18 (e) {		
Fall in Sheer {	÷ 2 =	
Para. 18 (d) {		
length uncovered		

Freeboard, Table A	11' - 4 3/4"
Correction for Sheer	- 5 1/4"
Correction for Length	+ 1 3/4"
Allowance for Deck Erections	- 10' - 3"
Correction for Round of Beam.....	+ 1"
Correction for fall in Sheer (if any).....	
Correction for Steel Deck (if required)	- 3 1/2"
Additions for non-compliance with provisions of Para. 11 (d) and (e) ‡	10' - 0 1/2"
Other Corrections (if any)	

Freeboard, Table C.....	8 - 2 3/4
Correction for Length, if required (Para. 12, 13, and 14)	+ 3 1/4
Freeboard by Table A, corrected for sheer, and for length, if required (Para. 11, 12, 13, and 14)	11 - 1 1/4
Difference	2 - 9 3/4
Percentage as below.....	30.53%

Winter Freeboard	10' - 0 1/2"
Summer Freeboard	9' - 4 3/4"
Indian Summer Freeboard	8' - 9"
N. A. Winter Freeboard	
Correction necessary because clearside amidships, measured in accordance with the Statute is not taken at the intersection of the steel deck with side.	+ 1 3/4"
Winter Freeboard from deck line	10' - 2 1/4"
Summer " " " "	9' - 6 1/2"
Indian Summer " " " "	8' - 10 1/4"
N. A. Winter " " " "	

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11)		✓	
Allowance for Deck Erections		- 10 1/4"	
	Length.	Length allowed.	Height.
Forecastle.....	45.8'	45.80'	8'-0"
Bridge House	148.83'	148.83'	8'-0"
Raised Q. Dk.....			
Pop.....	40.25'	40.25'	8'-0"
Total		234.88	479'
		490	
Length of Ship			
Corresponding percentage {			
(Para. 11, 12, 13, and 14) {	30.53%	✓	

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (Steel) Deck :-	
Fresh Water Line above centre of Disc	
Indian Summer Line " " " "	
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 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.	

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 stern-post.

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Do all the Frames extend to the top height in the Poop? *Yes - as per plan* Raised Quarter Deck? *Yes* Bridge House? *Yes - as per plan* Forecastle? *Yes - as per plan*
 To what height do the Reverse Frames extend? *as per plan to 2nd & 3rd decks alternately*
 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 *steel hinged doors*
 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 *Steel hinged doors*
 What is the thickness of the Bridge Front plating? *.40* and Coaming plate? *1/8" x .44*
 Give scantlings and spacing of the Stiffeners *L 250 x 90 x 11 mm distance ± 700 mm*
 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? *Wood shifting boards with channels riveted to the bulkheads for full height*
 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 steel*
 Are the Engine and Boiler openings covered by a Bridge, Poop, Raised Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse? *Covered by bridge deck and enclosed by strong steel deckhouse*
 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 *Coaming .40" plating .28" stiffeners L 130 x 65 x 10 mm distance 840 mm*
 What is the height of the exposed Casings? *8'0"* 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.	I		II		III		IV		V		VI	
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING. Height above top of DECK	3'6"		3'6"		3'6"		3'6"		3'6"		3'6"	
Thickness	Sides	.44	.44		Flushway bulkhead in		.44	.44	.44	.44	.44	.44
	Ends	.44	.44		See approved plan		.44	.44	.44	.44	.44	.44
SHIFTING BEAMS OR WEB PLATES.	Number	5	9		25 wels on Boat deck		1	4	5			
	Section and Scantlings	7 1/2" 440 17"	440 17"		55 1/2" x 10 3/4" 100 x 75 x 11		480 19" x 9 1/2"	440 17" x 9 3/8"	440 17" x 9 3/8"			
	Material	L 100 x 75 x 9	L 100 x 75 x 9		12 3/16" x 9 3/8" 100 x 75 x 11		100 x 75 x 9	L 100 x 75 x 9	L 100 x 75 x 9			
* FORE AND AFTERS.	Number											
	Section and Scantlings											
	Material											
HATCHES Thickness	83 mm		83 mm.		65 mm.		83 mm		83 mm.			
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.

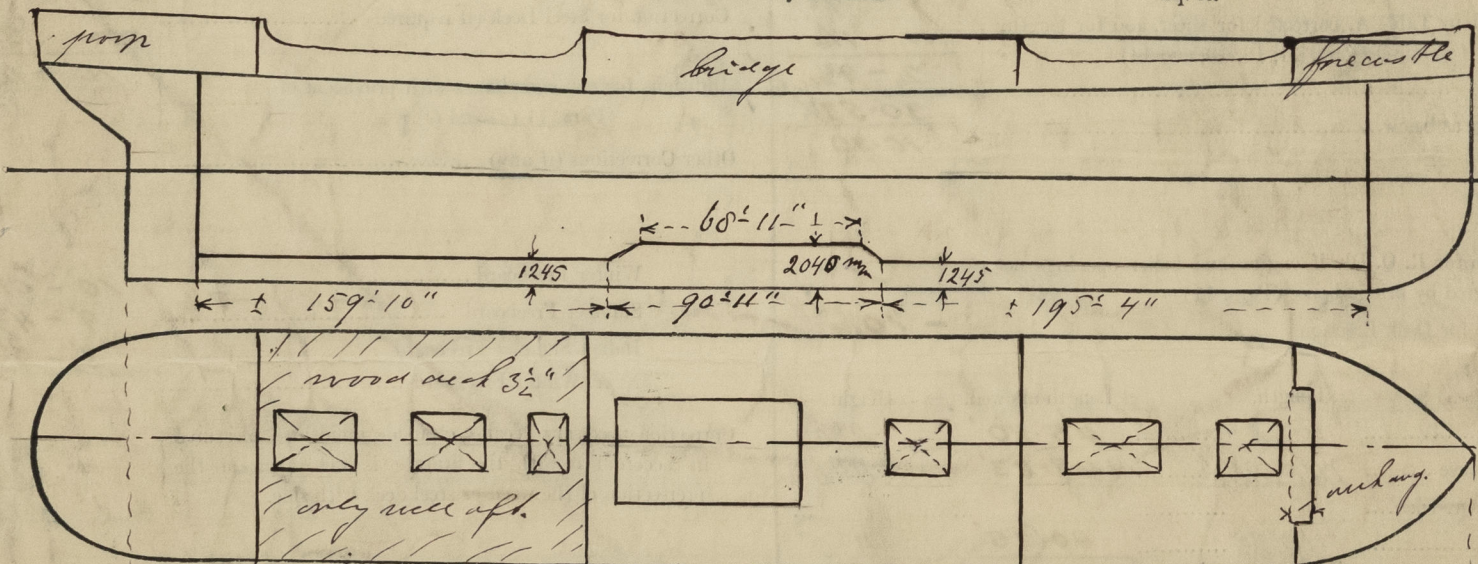
What is the thickness of the Bridge Sheerstrake? *1 1/2" mm* Strake between Main and Bridge Sheerstrakes? *1 1/2" mm*

Delete the words { The Crew are, ~~are not~~, berthed in the bridge house. and people. 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 *143.33 aft & 111.83 fwd.*
 Area of Freeing Ports required by Para. 11 (e) each side of vessel = *22.30 fwd*
28.66 aft Sq. ft.

will forward. *3.0* x *1.50* x *5*
 will aft. *3.0* x *1.50* x *7* } Freeing Ports (each side of vessel) = *23.7 fwd*
33.2 aft Sq. ft. } *for class only*

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 *The vessel has been built in accordance with the approved plans, copies of which are being retained in your office*
 Builder's name and yard number *N.V. Wilms Mach. fabriek en Scheepwerf*

Names of sister vessels

Owners *Holland Amerika Lijn.*

Address *Rotterdam*

Fee *180.00*

Received by me

J. v. Herwerden

Tonnage No. 318

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