

Verification Report.

Index No. 33979
(For London Office only.)

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

-6 MAR 1931

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 Hamburg
Date of Survey 2nd of March 1931
Name of Surveyor J. Christy, R.K. Jewel

Ship's Name. J. H. Senior	Port of Registry and Nationality. Danzig	Official Number. v	Gross Tonnage. 2	Date of Build. 1931/3	Particulars of Classification. + 100 A1 carrying petroleum in bulk. Longitudinal framing
Number in Register Book					

Registered dimensions from ship's Register.	LENGTH. 521' 3/4	BREADTH. 70.34	DEPTH. 38.91	UNDER DECK TONNAGE. 11586.11
Length on LOADLINE.	520'	Frame Depth 10 1/2	Ceiling + 2.0	Peak add for C.D.B aft 95.5
CORRECTED DIMENSIONS.	520	70.3	40.34	11681.61

Moulded Depth as measured... **38.9**
 Rule deck less stringer - **3/4**
 Addition for Keel below base line for draught record... **2** inches.
 NOTE - If the depth is measured when vessel is afloat, the details of measurement should be reported.

Co-efficient of fineness... **793.792**
 Any modification necessary [Para. 4 (a) to (e)]* **Bottom Lengths**
 Co-efficient as corrected... **79**

CORRECTION FOR LENGTH.

Length of Ship on Loadline.....	520
Length in Table	462.46175
Difference	58.53825
Correction for 10ft., Table A.	1.7
× Difference divided by 10	9.86 (if required.) 4.64.66
If 1/10ths length covered divide by 2	+ 4 3/4

Sheer { Stem **120** }
 at { Sternpost **81** } **201 ÷ 2 = 100.5** Mean
 Sheer at 1/3 of the length from { Stem **72 1/2** }
 { Sternpost **44 1/2** } **117 ÷ 2 = 58.5** Mean
 Gradual mean Sheer **103.43 ÷ 55 = 106.36**
 Standard mean Sheer [Table, Para. 18] **62.0** Correction
 Difference... **41.43 ÷ 4 = 10.36**
 § If limited as Para. 18 (f) **- 10 1/2**

CORRECTION FOR IRON DECK.
 Proportion covered, if less than 1/10ths length covered
 Thickness of usual wood deck, less stringer **3 1/4**
 Allowed as reduced moulded depth

Rise in Sheer { At front of bridge house..... }
 from amidships [Para. 18 (e)] { At after end of forecastle }
 Fall in Sheer { **nil** ÷ 2 = }
 Para. 18 (d) { }
 Length uncovered Correction **.79**

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	70' 0
Round of Beam	17 1/4
Normal round.....	17 1/2
Difference	1/4 ÷ 2 = 1/8
Proportion of Deck uncovered (Para. 19)	Nd.

ALLOWANCE FOR DECK ERECTIONS :-
 Freeboard, Table C... **11' - 1 1/4" - 3' - 3" = 7 - 10 1/4**
 Correction for Length, if required (Para. 12, 13, and 14) **+ 4 3/4**
 Freeboard by Table A, corrected for sheer, and for length, if required (Para. 11, 12, 13, and 14) **8 - 3**
 Difference **11 - 0 3/4**
 Percentage as below... **16.58%**
 Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) **5 1/2**

Freeboard, Table A	11 - 1 1/4
Correction for Sheer	- 10 3/4
Correction for Length	+ 9.90
Allowance for Deck Erections	5.60
Correction for Round of Beam.....	10 - 7 1/4
Correction for fall in Sheer (if any).....	✓
Correction for Steel Deck (if required)	allowed in M.D. ✓
Additions for non-compliance with provisions of Para. 11 (d) and (e) †	✓
Other Corrections (if any)	✓

	Length.	Length allowed.	Height.
Forecastle.....	41' 6"	41.5	7' 6"
Bridge House	40' 1"	40.08	✓
† Raised Qr. Dk.....	54' 10"	54.84	✓
Poop.....			
Total	136.42	✓	.2623
Length of Ship	520.0		
Corresponding percentage (Para. 11, 12, 13, and 14)	16.58%		

Winter Freeboard	10 - 7 1/4
Summer Freeboard (7.8)	10 - 0
Indian Summer Freeboard	9 - 4 3/4
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 steel deck with side.	+ 1 3/4
Winter Freeboard from deck line	10 - 9
Summer " " " "	10 - 13/4
Indian Summer " " " "	9 - 6 1/2
N. A. Winter " " " "	✓

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	" " "	...

See also...
 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.

9 MAR 1931

F.W. = $\frac{23850}{40 \times 77.2} = 7.72$

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38-9
 2-keel
 1" stringer
 1 3/4" flat
 39-13/4
 10-1 1/2
 29-0 1/4

Do all the Frames extend to the top height in the Poop? *Longitudinal framing fitted*

Raised Quarter Deck? Bridge House? *yes* Forecastle? *yes*

To what height do the Reverse Frames extend? *9 3/4 x 3 1/2 x .43 26 1/2*

Has the Poop or Raised Quarter Deck an efficient Iron Bulkhead at the fore end? *yes* *10" plating, 11" coaming L 250 x 90 in 675" spacing*

Give particulars of the means for closing the openings in Bulkhead *2 hinged w.t. doors 5-3 x 1-8 1/2 with turnbuckles*

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 *one hinged w.t. door 5-3 x 1-8 1/2 and 2 hinged w.t. doors 5 x 1-8 1/2 with turnbuckles*

What is the thickness of the Bridge Front plating? *10 3/4" .39* and Coaming plate? *11" .43*

Give scantlings and spacing of the Stiffeners *L 200, 75, 11.5 in 762" spacing*

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* *9" plating, 10" coaming L 165 x 75 x 10 in 762" spacing*

How are the openings closed? *one hinged w.t. door 5-3 x 1-8 1/2 with turnbuckles, 2 openings 4-2 x 3 1/2 close with hook bolts in 310" spacing*

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, by II. bridge except between 43 x 50 where boiler casing exposed (see plan)*

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 *at boiler casings coaming 12, 25, plating 10, 25 stiffeners L 240 x 90 x 75 in 608" spacing*

What is the height of the exposed Casings? *7 x 6* Are suitable means provided for closing all openings in them in bad weather? *yes, w.t. doors*

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.	14 off 6' x 4'		6 off 5' x 4'		one off 9' x 10'		Ship.	Rule.	Ship.	Rule.
	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.				
COAMING	Height above top of DECK	2' 8"	2' 8"	2' 8"	2' 8"	2' 8"				
	Thickness	Sides	10/20	10/20	10/20	10/20				
		Ends	10/20	10/20	10/20	10/20				
SHIFTING BEAMS OR WEB PLATES	Number	none	none	none	none	none				
	Section and Scantlings	none	none	none	none	none				
	Material	none	none	none	none	none				
* FORE AND AFTERS	Number	none	none	none	none	none				
	Section and Scantlings	none	none	none	none	none				
	Material	none	none	none	none	none				
HATCHES	Thickness	10/20	10/20	10/20	9/20	9/20				
Remarks										

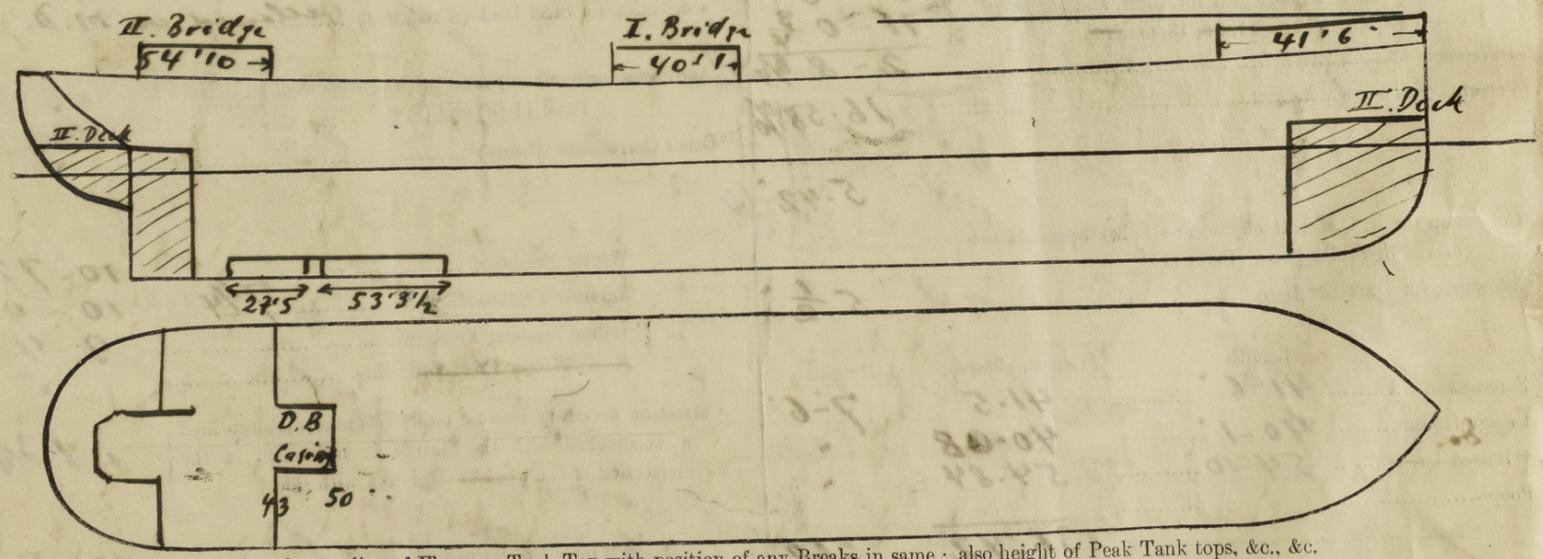
* The depth of Fore and Afters should be stated from the underside of the hatches in all cases.
 (If the sill of the lowest side scuttle will be less than 6 inches above the Indian Summer Load Line if assigned under the tables, state vertical distance from top of deck at side amidships to lower edge 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?

Particulars of Displacement: Delete the words that do not apply. *The Crew are not, berthed in the bridge house. The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory.*

+ Tam pr. inch immersion as supplied by Builders for F.W. allowance
 Displ. at 29' draft = 23,850 tons
 Tam pr. inch = 77.2

Length of Bulwarks in well = Sq. ft.
 Area of Freeing Ports required by Para. 11 (e) each side of vessel = Sq. ft.
 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

Builder's name and yard number *Kordseewerke Lunden No 173*

Names of sister vessels *Heinrich von Biedermann*

Owners *Standard Shipping Company*

Address

Fee £ *15* ; 0 ; 0 Received by me *charged with first entry*

