

FRI. 21 JAN. 1921

Index No. **29360**
(For London Office only.)

Final Freeboard Report.

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.—STEAM SHIPS.

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 Copenhagen
Date of Survey 10 January 1921
Name of Surveyor J. C. Rosen

B.T. COPY WRITTEN

Ship's Name. Frederik 5te Vægt & Thydelev
Sauvildning No 162 "AVANTI"
Number in Register Book 162
Port of Registry and Nationality. Copenhagen, Danish
Official Number. ✓
Gross Tonnage. Building
Date of Build. 100 A 1
Particulars of Classification. Shelterdeck with freeboard.

** The actual measure is 39 1/2 inches moulded.*

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	245.9 Dan.	37.9 Dan.	15.7 Danish	1335.61
	= 253.3 Engl.	= 39.17 Engl.	= 16.77 Engl.	
Length on LOADLINE.	252.69	Rule "5"	Sheer <u>4.62</u> Depth to tank top = 16.54	Peak } incl. Tanks }
CORRECTED DIMENSIONS.	252.69	38.75	17.19	1335.61

Co-efficient of fineness..... 0.7985
Any modification necessary {
[Para. 4 (a) to (e)]* } 0.02
Co-efficient as corrected 0.7735

Sheer { Stem..... 6'-4 1/2"
at { Sternpost... 3'-4" } $\div 2 = 58 1/4"$ Mean 38/22.46
Sheer at 1/3 of the length from { Stem 3'-9"
Sternpost 1'-6 1/2" } $\div 2 = 31 3/4"$ Mean 57.73
Gradual mean Sheer 57.73 $\div 55 = 57.73$
Standard mean Sheer [Table, Para. 18] 35.27 Correction 22.46
Difference..... 22.46 $\div 4 = -5 1/2"$
§ If limited as Para. 18 (f)

Rise in Sheer { At front of bridge house.....
from amidships { At after end of forecastle

¶ Fall in Sheer { 24'-6" abaft & drops the
Para. 18 (d) } $\div 2 =$ Sheer 12 1/4"
Length uncovered Correction

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C..... 1'-1 1/2"
Correction for Length, if required (Para. 12, 13, and 14)

Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14) } 3'-0 3/4"
Difference 1'-11 1/4"
Percentage as below..... 93.8%
21.8%

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) }
Allowance for Deck Erections -2 1/4"

	Length.	Length allowed.	Height.
Forecastle.....	230.58	230.58	7'-0
Bridge House	5.88	2.94 = 1/2 L of Well	
† Raised Q. Dk.....	16.23	16.23	7'-0
Poop.....	252.69	252.69	
Total		249.75	
Length of Ship		252.69	
Corresponding percentage { <u>93.8%</u> (Para. 11, 12, 13, or 14) } <u>21.8%</u>			

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (Iron) Deck:— 0'-11 1/2"

	Fresh Water Line	above centre of Disc		
Indian Summer Line	"	"	4 1/2"	4 1/2"
Winter Line	"	"	3	3
Winter North Atlantic Line	"	"	3	3

† 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.

Moulded Depth as measured..... 18'-8 1/4"

Addition for Keel below base line for draught record..... inches.

CORRECTION FOR LENGTH.

Length of Ship on Loadline..... 252.69
Length in Table 224.25
Difference 28.44
Correction for 10ft., Table A. 1.1 Table C.
× Difference divided by 10 3.27 (if required.)
If 1/10ths length covered divide by 2 +68.156 + 1 1/2"

CORRECTION FOR IRON DECK.

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

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... 9 3/4 on 39'-0"
Round of Beam 9 3/4 on 39'-0"
Normal round.....
Difference $\div 2 =$
Proportion of Deck uncovered (Para. 19)

Freeboard, Table A 3'-6 1/4"
Correction for Sheer -5 1/2"
Correction for Length 3'-0 3/4"
+ 1 1/2"
Allowance for Deck Erections 3'-2 1/4"
- 1'-9 3/4"
1'-4 1/2"
Correction for Round of Beam..... ✓
Correction for fall in Sheer (if any)..... ✓
Correction for Iron Deck (if required) -3 1/2"
1'-1"
Additions for non-compliance with provisions of }
Para. 11 (d) and (e) † }
Other Corrections (if any) ✓

Winter Freeboard 1'-1"
Summer Freeboard 0'-10"
Indian Summer Freeboard 0'-7"
N. A. Winter Freeboard 1'-3"

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 1/2"

Winter Freeboard from deck line 1'-2 1/2"
Summer " " " " 0'-11 1/2"
Indian Summer " " " " 0'-8 1/2"
N. A. Winter " " " " 1'-4 1/2"

Winter Freeboard from deck line 0'-11 1/2"
Summer " " " " 4 1/2"
Indian Summer " " " " 3
N. A. Winter " " " " 3
8 1/2"

† 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 should also be reported.

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Do all the Frames extend to the top height in the Poop? Shelter Deck Raised Quarter Deck? ☒ Bridge House? ☒ Forecastle? ☒

To what height do the Reverse Frames extend? no reverse frames (Bulb frames)

Has the Poop or Raised Quarter Deck an efficient Iron Bulkhead at the fore end?

Give particulars of the means for closing the openings in Bulkhead

Is the Poop or Raised Quarter Deck connected with the Bridge House? ☒ Has the Bridge House an efficient Bulkhead at the fore end?

Give particulars of the means for closing the openings in Bulkhead

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

Give scantlings and spacing of the Stiffeners

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

Has the Bridge House an efficient Iron Bulkhead at the after end?

How are the openings closed?

Is the Forecastle at least as high as the main or top-gallant rail? ☒ Has the Forecastle an efficient Iron or Wood Bulk'd. at after end?

Are the Engine and Boiler openings covered by a Bridge, Poop, Raised Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse?

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

Give thickness of plating, scantlings and spacing of Stiffeners

What is the height of the exposed Casings? 7'-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:— yes

Position and Size.		No I: 19'-7" x 16'-0"		No II: 25'-5" x 16'-0"		No III: 21'-6" x 16'-0"		No IV: 17'-7" x 16'-0"		Tonnage Hatch: 5'-10" x 16'-0"	
Item.		Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING.	Height above top of DECK	3'-6"		3'-6"		3'-6"		3'-6"		1'-0"	
	Sides	.44		.44		.44		.44		.44	
	Ends	.44		.44		.44		.44		.44	
SHIFTING BEAMS OR WEB PLATES.	Number	3 off		4 off		4 off		3 off			
	Section and Scantlings	11" 14" x .34		as No I.		as No I.		as No I.			
	Material	3 1/2" x 3" x .42" steel									
* FORE AND AFTERS.	Number										
	Section and Scantlings										
	Material										
HATCHES Thickness		3" pine		3" pine		3" pine		3" pine		3" pine	
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? Shelter Deck .50" Strake between Main and Bridge Sheerstrakes? Shelter Deck .50"

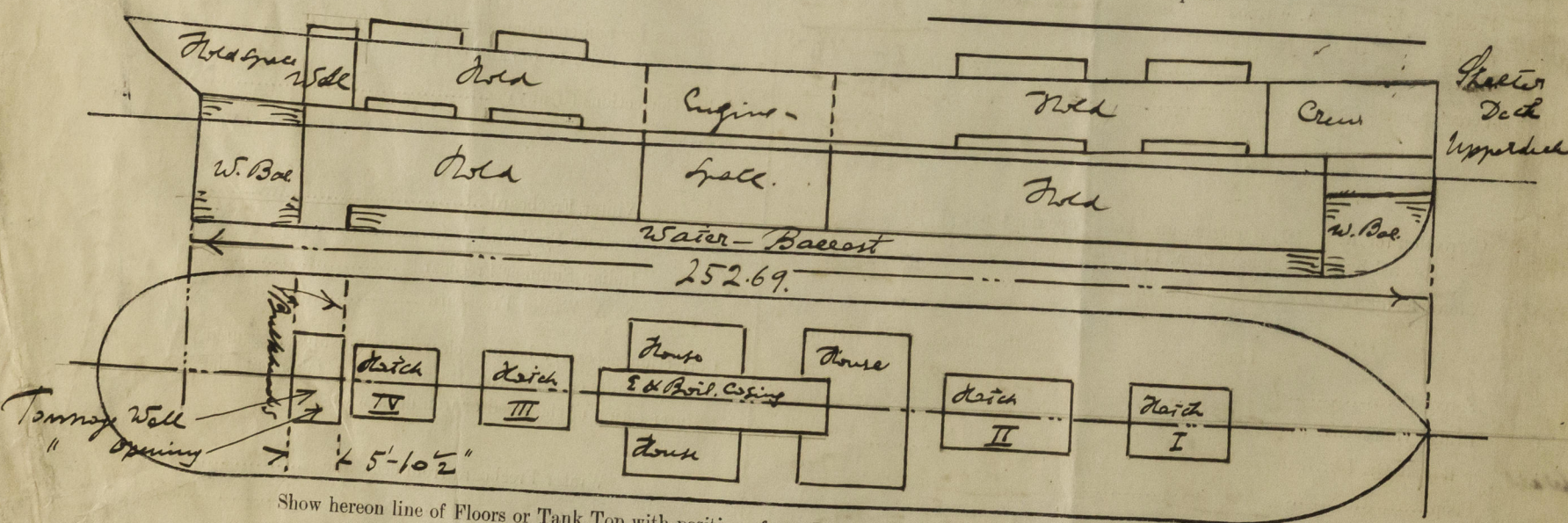
Delete the words { The Crew are, are not, berthed in the bridge house.
 that do not apply { The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory.

Length of Bulwarks in well _____

Area of Freeing Ports required by Para. 11 (e) each side of vessel = _____ Sq. ft.

Ft.	Tenths.	Ft.	Tenths.	No.		Sq. ft.
x		x			Freeing Ports (each side of vessel)	= _____ Sq. ft.
x		x				

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. Bulkheads are fitted between upper & shelter decks at each end of the tonnage opening, openings in the same are closed by wood planking in riveted channels from deck to deck. 1 freeing port is fitted each side in the well, and a scupper each side is leading thro' the ship's sides. There are no Owners Det Fore and Afters.

Address Copenhagen Scuppers in the Tween decks & Poop spaces leading thro' the ship's sides. —

Fee £ 3-3 = 66 Kr. 63 1/2
 (1/2 = 21.15 Kr.)