

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD. STEAM SHIPS.

Index No. 32399
(For London Office only.)

23 MAR 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

Date of Survey

Name of Surveyor

Ship's Name.
Minister & Wife No. 552
Design 10927 SANTA INEZ.
Number in Register Book

Port of Registry
and Nationality.
New York
U.S.A.

Official
Number.

Gross
Tonnage.
4691.87
5538.40

Date of Build.
Building

Particulars of Classification.

+100 A1 with freeboard
[Class Contingent].

Registered Dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK Tonnage.
	370.10	53.20	20.10	2880.32
Length on Loadline.	370.0	53.2	20.14	2943.45
		mean 8 3/4" Frame Depth 10 Rule " 5 1/2" x 2 = 10.54 Spanning fitted	Ceiling fitted Sheer +.53 3 1/4 x 2 = 6.75 Spanning fitted	Peak 23.92 Forward Tanks 37.21 Aft for 6 ft. 6 in. mes for 6 ft. 6 in. mes Cruiser Stern - 3.7 tons - 7.10 tons
CORRECTED DIMENSIONS.	370.0	52.66	20.68	2932.65

Official measurements
rec'd from N.Y.K.
Moulded Depth as measured..... 23'-6"

NOTE. - If the
depth is measured
when vessel is
aloft, the details
of measurement
should be reported.

Addition for Keel below base line
for draught record..... inches. 1 1/4"

CORRECTION FOR LENGTH.

Length of Ship on Loadline.....	370.0
Length in Table	282.0
Difference	88.0
Correction for 10ft., Table A.	1.3 Table C.
x Difference divided by 10	11.44 (if required.)
If 1/10ths length covered divide by 2	5.72 + 5 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"

- 8 1/2"

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	53'-0"
Round of Beam	✓ Nil
Normal round.....	13.25"
Difference	13.25" 2 = 6.62
Proportion of Deck uncovered (Para. 19)008

NOTE. - The
round of beam
should be report-
ed on the full
breadth of vessel
at the gunwale.

Co-efficient of fineness..... .429 ✓
Any modification necessary }
[Para. 4 (a) to (e)]* } C.O.B.
Co-efficient as corrected41 ✓

Sheer { Stem..... 8 1/4" } 7'-0" } 138.5
at { Sternpost ... 54.5 } 4'-6" } ÷ 2 = 69.25 Mean
Sheer at 1/2 of the length from { Stem 3'-7 1/4" } 43' ÷ 2 = 36.5 Mean
{ Sternpost 2'-6 3/4" }
Gradual mean Sheer 66.36 ÷ .55 = 66.36
Standard mean Sheer [Table, Para. 18] 47.00 Correction
Difference..... 19.36 ÷ 4 = 4.84
§ If limited as Para. 18 (f) - 4 3/4"

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

ALLOWANCE FOR DECK ERECTIONS :-

Freeboard, Table C.....	2" 0 3/4
Correction for Length, if required (Para. 12, 13, and 14)	✓
Freeboard by Table A, corrected for sheer, and for length, if required (Para. 11, 12, 13, and 14) }	4.5"
Difference	2" 4 1/4
Percentage as below.....	94.2%
	26.60

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

Freeboard, Table A	4" 9 3/4
Correction for Sheer	- 4 3/4
Correction for Length	4.5"
Allowance for Deck Erections	+ 5 3/4
	4" 10 3/4
	- 2" 2 1/2
	2" 8 1/4
Correction for Round of Beam.....	✓
Correction for fall in Sheer (if any).....	✓
Correction for Steel Deck (if required)	- 3 1/2
	2 - 4 3/4
Additions for non-compliance with provisions of Para. 11 (d) and (e) † :	✓
Other Corrections (if any)	✓

Winter Freeboard	2' 4 3/4
Summer Freeboard	2" 0 1/4
Indian Summer Freeboard	1" 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:

Nil

Winter Freeboard from deck line	2" 4 3/4
Summer " " " "	2" 0 1/4
Indian Summer " " " "	1" 4 3/4
N. A. Winter " " " "	✓

Length.	Length allowed.	Height.
Forecastle.....	327.0	326.88
Bridge House	5.0	8'-6"
Poop.....	38.0	37.25
Total	364.13	
Length of Ship	370.0	2.93 = 1/2 diff
Corresponding percentage (Para. 11, 12, 13, or 14) }	94.2%	364.06 ÷ 370.0 = 992

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, ~~Wood~~ (Steel) Deck :-

Fresh Water Line	above centre of Disc	...	5 1/2"
Indian Summer Line	" " "	...	4 1/2"
Winter Line	below " " "	...	4 1/2"
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 amid-
ships 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 stern-
post. 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.

+ 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.

Tonnage Opening Fitted.

007412 - 007421 - 0145

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MARINE
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Do all the Frames extend to the top height in the ~~Poop~~ ^{Superstructure} ~~alterm.~~ ^{Sheerstrake (upper deck)} Raised Quarter Deck? ☒ Bridge House? ☒ Forecastle? *yes*
 To what height do the Reverse Frames extend? ☒
 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? ☒ 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? *yes*
 How are the openings closed? *wood plankings, in riveted channels, fitted to full height of openings.*
 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? *by a ~~superstructure~~ ^{Sheerstrake (upper deck)}*
 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? ☒ Are suitable means provided for closing all openings in them in bad weather? ☒ *(See Form 116 dated 12.4.29 attached)*
 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.	I 18.0 x 18.0		II 25.8 x 18.0		III 25.8 x 18.0		IV 23.4 x 18.0			
Item.	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"	2'-8"	2'-8"		
	Thickness { Sides	.50	.50	.50	.50	.50	.50	.50		
	Ends	.50	.50	.50	.50	.50	.50	.50		
SHIFTING BEAMS OR WEB PLATES.	Number	3	4	4	4	4	4	4		
	Section and Scantlings	15" x 35"	14" x 34"	14" x 34"	14" x 34"	14" x 34"	14" x 34"	14" x 34"		
	Material	6 x 4 x .60	6 x 4 x .60	6 x 4 x .60	6 x 4 x .60	6 x 4 x .60	6 x 4 x .60	6 x 4 x .60		
* FORE AND AFTERS.	Number									
	Section and Scantlings									
	Material									
HATCHES	Thickness	3" pine	2 1/2"	3"	2 1/2"	3"	2 1/2"	3"	2 1/2"	
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? *.62* Strake between Main and Bridge Sheerstrakes? *.60*

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.

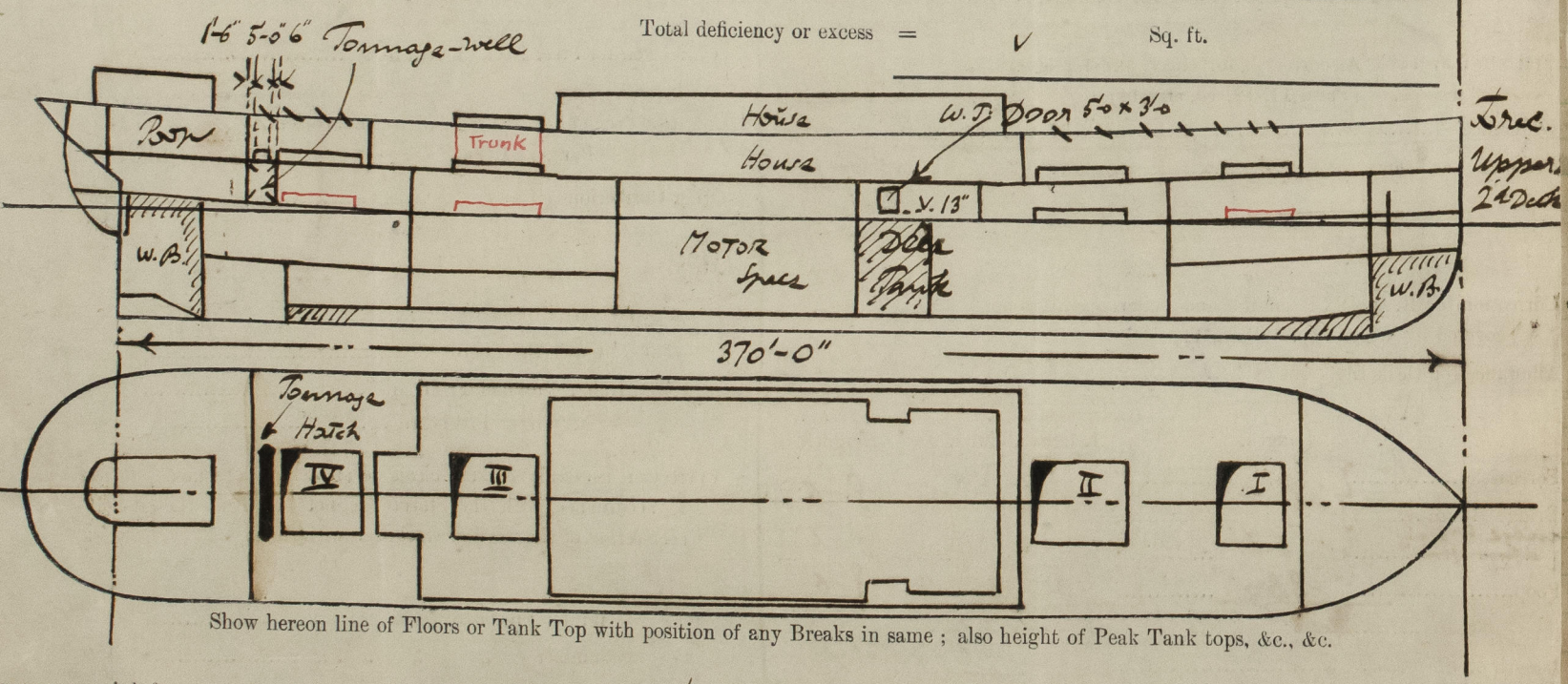
Length of Bulwarks in well *5'-0"*

Area of Freeing Ports required by Para. 11 (e) each side of vessel = *4.50* Sq. ft.

Ft. Tenth. Ft. Tenth. No.
3.00 x *1.50* x *1*
 x x x

Freeing Ports (each side of vessel) = *4.50* 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 *A/S. Burmeister & Wain, Copenhagen, No 552 Santa Inez*

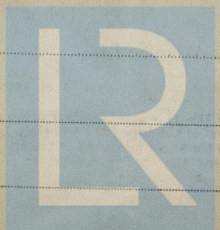
Names of sister vessels *" " " " No 553 Santa Rita*

Owners *Grace Steamship Co, Incorp. New York.*

Address

Fee *£ 10.00* with first entry Report

Received by me ☒



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The Tonnage Opening is closed with efficient temporary covers, the bulkheads at the forward & after ends of the Tonnage Opening is closed as required for full allowance. The overhead supports from the Tonnage Hatch to the Upper and Lower Deck are fitted with storm-valves in metal casings, stowed in casings.

The lowest Tonnage Hatch is 15" above 21" waterline.