

# 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 Cádiz, Spain  
Date of Survey 10th May 1921  
Name of Surveyor A. Dabyns & Aiken

Ship's Name. GASTELU. (Nº 11.)  
Number in Register Book  
Port of Registry and Nationality. San Sebastian  
Spanish.  
Official Number. ✓  
Gross Tonnage. 3812  
about  
Date of Build. 1921  
Particulars of Classification. + 100 A.I. Contemplated.

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	331.0	48.0	23.3	3093
Length on LOADLINE.	330.8	Frame Depth $8\frac{1}{4}$ Ceiling $5\frac{1}{2}$ Sheer + 1.1. <u>Longitudinal framing.</u>		3093
CORRECTED DIMENSIONS.	330.8	47.54	24.4	3093

Moulded Depth as measured..... 25'-8"Addition for Keel below base line for draught record..... 2 1/4 inches.

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.....	330.8
Length in Table .....	308.0
Difference .....	22.8
Correction for 10ft., Table A. ....	1.33
× Difference divided by 10 .....	3.03 (if required.)
If 1/10ths length covered divide by 2	+ 3'

## CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered .....	.482
Thickness of usual wood deck, less stringer .....	3.5
	- 1 3/4

## CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	47.5
Round of Beam .....	12"
Normal round.....	12
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.

Co-efficient of fineness..... .80  
Any modification necessary [Para. 4 (a) to (e)]\* Cellular double bottom  
Co-efficient as corrected ..... .78

Sheer { Stem..... 11 1/4 }  
at { Sternpost ... 54 }  $168 ÷ 2 = 84$  Mean 36 3/4

Sheer at 1/3 of the length from { Stem 66 }  
Sternpost 25 }  $91 ÷ 2 = 45\frac{1}{2}$  Mean

Gradual mean Sheer ..... 82.82 ÷ 55. 82.82Standard mean Sheer [Table, Para. 18] 43.05Difference..... 39.624 ÷ 4 = - 10"

§ 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) }  $2 ÷ 2 = 1$  Long Bridge fitted  
Length uncovered ..... None Correction Nil

## ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C.....	2'- 10 1/4"
Correction for Length, if required (Para. 12, 13, and 14) .....	+ 1 1/2"

Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14) .....	2'- 11 3/4"
Difference .....	5'- 2 3/4"
Percentage as below.....	2'- 3"

	30.74
	8.5

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) - 8 1/4"

Allowance for Deck Erections .....

	Length.	Length allowed.	Height.
Forecastle.....	32.3 + 5.0 Wing House	33.45	7.75
Bridge House.....	91.0 + 6.0 Canopy	94.75	7.75
† Raised Qr. Dk.....			
Poop.....	31.2	31.20	7.75
Total.....	154.5	159.40	482
Length of Ship .....		330.80	

Corresponding percentage (Para. 11, 12, 13, or 14) 30.74%

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	" "	

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-tenth of the vessel's length from stem and sternpost.

† State dimensions of freeing port area on back of this form.  
The Surveyor should state whether the breadth of beam is reported as measured relatively to the line of water line. If measured relatively to water line the vessel's draught is to be reported as measured at the water line.

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Do all the Frames extend to the top height in the Poop? }  
 To what height do the Reverse Frames extend? }  
 Has the Poop an efficient Bulkhead at the fore end? *Yes*  
 Give particulars of the means for closing the openings in Bulkhead *Wood boards in riveted channels full height of openings*  
 Is the Poop or Raised Quarter Deck connected with the Bridge House? *No*  
 Give particulars of the means for closing the openings in Bulkhead *No openings*  
 What is the thickness of the Bridge Front plating? *.44* and Coaming plate? *.46*  
 Give scantlings and spacing of the Stiffeners *9" x 3 1/2" x .46 bulk angles spaced 36" apart bracketed top & bottom*  
 Are bracket plates fitted at each end of the Stiffeners? *Yes*  
 Has the Bridge House an efficient Bulkhead at the after end? *Yes*  
 How are the openings closed? *Wood boards in riveted channels full height of openings*  
 Is the Forecastle at least as high as the main or top-gallant rail? *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 *30 plate 3 1/2" x 3" x .30 spaced 30" apart*  
 What is the height of the exposed Casings? *7'-3" above bridge deck*  
 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*

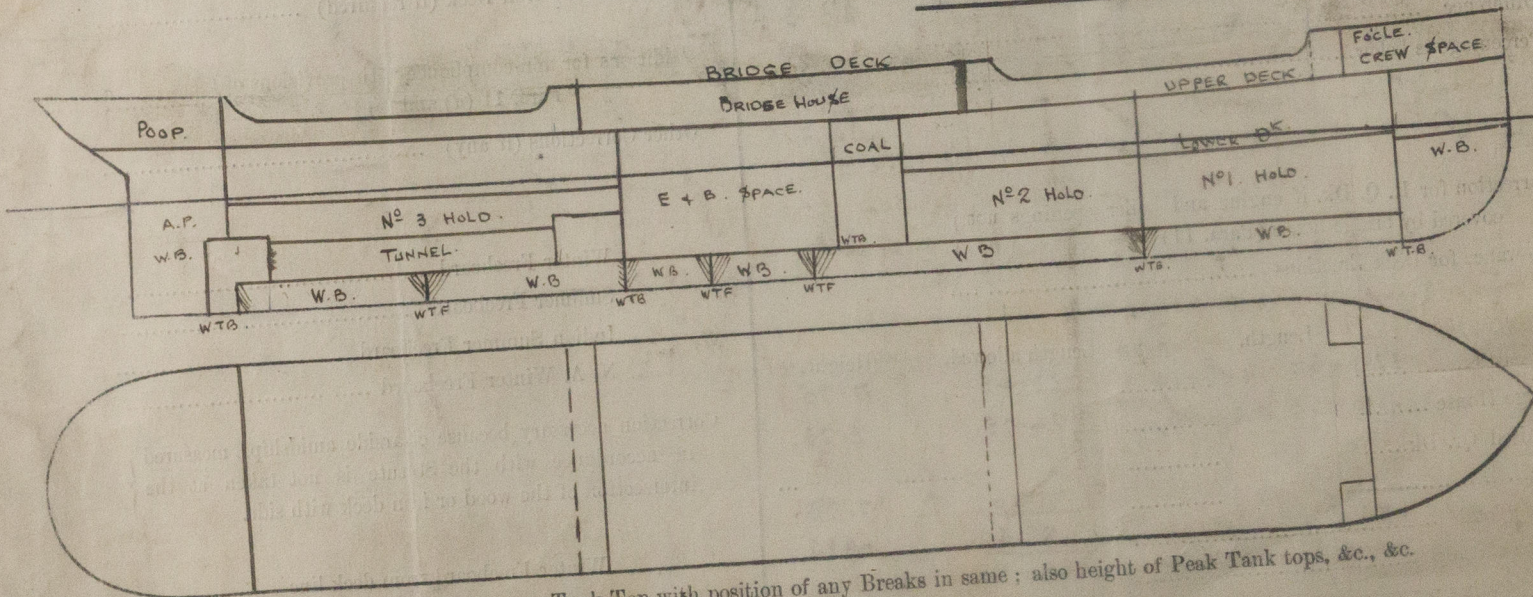
Position and Size.	Nº 1 24' x 21'	Nº 2 33' x 21'	Nº 3 8.0 x 18.0	Nº 4 33' x 21.0	Nº 5 24' x 21.
Item.	Ship.	Rule.	Ship.	Rule.	Ship.
COAMING.					
Height above top of DECK	30	3	30	30	30
Thickness	.44	.50	.44	.50	.44
Sides	.44	.44	.44	.44	.44
Ends	.44	.44	.44	.44	.44
Number	5	7	1	7	5
Section and Scantlings	17" x 36"	17" x 36"	17" x 36"	17" x 36"	17" x 36"
Material	Steel	Steel	Steel	Steel	Steel
FORE AND AFTERS.					
Number	✓	✓	✓	✓	✓
Section and Scantlings					
Material					
HATCHES Thickness	2 1/2"	2 1/2"	2 1/2"	2 1/2"	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? *Strake between Main and Bridge Sheerstrakes?*

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

Length of Bulwarks in well = Sq. ft.  
 Area of Freeing Ports required by Para. 11 (e) each side of vessel = Sq. ft.  
 Ft. Tenth. No. } Freeing Ports (each side of vessel) = Sq. ft.  
 Total deficiency or excess =



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. *This vessel is built on the 'ISHERWOOD' system and is similar to the 'CASO ESPARTEL', CASO VILLANO, 'ARICHACHU' and 'ATALAYA' all built at Cadix. Gear is berthed in No divisional bulkheads in after hold. Steering gear (steam) in poop. Tunnel escape to poop fitted.*

Owners COMPANIA NAVIERA "BERMEO".  
 Address CALLE IBAÑEZ DE BILBAO Nº 10. BILBAO. SPAIN.  
 Fee £ 243 pesetas.  
 Received by me