

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD. MOTOR SHIPS.

4 JUL 1930

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 Bilbao
Date of Survey 30th June 1930
Name of Surveyor J. B. ...

Motor Ship "Ship's Name"
Ariza-Mendi
Ona Enskalduna, No 91.
Number in Register Book

Port of Registry and Nationality.
Bilbao
(Spanish)

Official Number.

Gross Tonnage.
2954.69

Date of Build.
1930-6

Particulars of Classification.
100.A.1 with freeboard (contemplated)

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	<u>335.0</u>	<u>45.65</u>	<u>17.95</u>	<u>2062.0</u>
Length on LOADLINE.	<u>335.0</u>	Frame Depth 8' Rule <u>8.5</u>	Ceiling <u>4.44</u> Sheer <u>4.44</u>	Peak } Incl'd Tanks } <u>included</u>
CORRECTED DIMENSIONS.	<u>335.0</u>	<u>45.35</u>	<u>18.30</u>	<u>2062</u>

Moulded Depth as measured 20.0
Addition for Keel below base line for draught record 1.8 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 335.0
 Length in Table 340.0
 Difference 5.0
 Correction for 10ft., Table A. 1.2 Table C.
 × Difference divided by 10 11.40 (if required.)
 If 1/10ths length covered divide by 2 5.70 + 5.70

CORRECTION FOR IRON DECK.

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

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships 44.1
 Round of Beam
 Normal round
 Difference
 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
 Any modification necessary [Para. 4 (a) to (e)]*
 Co-efficient as corrected

.742
C.D.B.
.72

Sheer { Stem 42" } 120 ÷ 2 = 60 Mean 36 116.04
 at { Sternpost 48" }
 Sheer at 1/2 of the length from { Stem 39" } 65.5 ÷ 2 = 32.75 Mean
 Sternpost 26 1/2" } 59.54

Gradual mean Sheer
 Standard mean Sheer [Table, Para. 18] 59.54 Correction
 Difference 48.50 ÷ 4 = 4.01
 * § If limited as Para. 18 (f) 16.04 4"

Rise in Sheer from amidships [Para. 18 (e)]
 At front of bridge house
 At after end of forecastle

Fall in Sheer [Para. 18 (d)]
 Length uncovered Correction

ALLOWANCE FOR DECK ERECTIONS :-

Freeboard, Table C. 1 - 3/2
 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) 3 - 4 1/2
 Difference 2 - 1
 Percentage as below 94.4%
23.60

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

	Length.	Length allowed.	Height.
Forecastle	<u>298 - 2 1/2</u>	<u>298.21</u>	<u>8.0</u>
Bridge House	<u>4.0</u>	<u>4.0</u>	<u>8.0</u>
Roop. <u>Large Opening</u>	<u>32 - 9 1/2</u>	<u>32.79</u>	<u>8.0</u>
Total	<u>335.0</u>	<u>331.0</u>	<u>2.0 - 1/2 diff</u>
Length of Ship			
Corresponding percentage (Para. 11, 12, 13, or 14)	<u>94.4%</u>	<u>332.0</u>	<u>335.0 = .994</u>

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 " " "

Freeboard, Table A 3.86
 Correction for Sheer - 4
3 - 4 1/2
 Correction for Length + 5 1/4
3 - 10 1/4
 Allowance for Deck Erections - 1 - 11/2
1 - 10 3/4
 Correction for Round of Beam
 Correction for fall in Sheer (if any)
 Correction for Steel Deck (if required) - 3/2
1 - 4 1/4
 Additions for non-compliance with provisions of Para. 11 (d) and (e) †
 Other Corrections (if any)

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

§ If the frames, skin plating, 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 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.

† 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 line of keel or to the water line. If measured relatively to water line the vessel's survey, and also the usual load draft forward and aft should be reported.

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Do all the Frames extend to the top height in the Poop? *Yes* Raised Quarter Deck? *Yes* Bridge House? *Yes* Forecastle? *Yes*
 To what height do the Reverse Frames extend? *Bulkhead sole framing*
 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? *Yes* Has the Bridge House an efficient Bulkhead at the fore end? *Amidships bulkhead*
 Give particulars of the means for closing the openings in Bulkhead *by riveted channel bars and wood planks 2 1/2 thick*
 What is the thickness of the Bridge Front plating? *3/4* and Coaming plate? *3/4*
 Give scantlings and spacing of the Stiffeners *3/4 x 3 x 44*
 Are bracket plates fitted at each end of the Stiffeners? *Yes* 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? *By riveted wooden planks in riveted channels to 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?
 Are the Engine and Boiler openings covered by a Bridge, Poop, Raised Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse? *Steel Hatches & Superstructure 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? *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: *Yes*

Position and Size.	Hatch No 1 Upper 7.73 x 5.0	Hatch No 2 Upper 8.54 x 5.0	Hatch No 3 Upper 8.54 x 5.0	Hatch No 4 Upper 7.93 x 5.0	Ship.	Rule.
Item.	Ship. 26.0 x 4.1	Ship. 28.0 x 4.1	Ship. 28.0 x 4.1	Ship. 26.0 x 4.1	Ship.	Rule.
COAMING.	Height above top of DECK	30-18"	30-18"	30-18"	30-18"	
	Thickness	Sides 44.50 Ends 44.40	Sides 44.50 Ends 44.40	Sides 44.50 Ends 44.40	Sides 44.50 Ends 44.40	
SHIFTING BEAMS OR WEB PLATES.	Number	12 x 32	12 x 32	12 x 32	12 x 32	
	Section and Scantlings	3 1/2 x 3 x 44	3 1/2 x 3 x 44	3 1/2 x 3 x 44	3 1/2 x 3 x 44	
	Material	14 x 34	14 x 34	14 x 34	14 x 44	
* FORE AND AFTERS.	Number	None	None	None	None	
	Section and Scantlings					
	Material	3 1/2 x 3 1/2	3 1/2 x 3 1/2	3 1/2 x 3 1/2	3 1/2 x 3 1/2	
HATCHES	Thickness 2 1/2 - 2 1/2					
Remarks	White Pine	White Pine	White Pine	White Pine		

* 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.

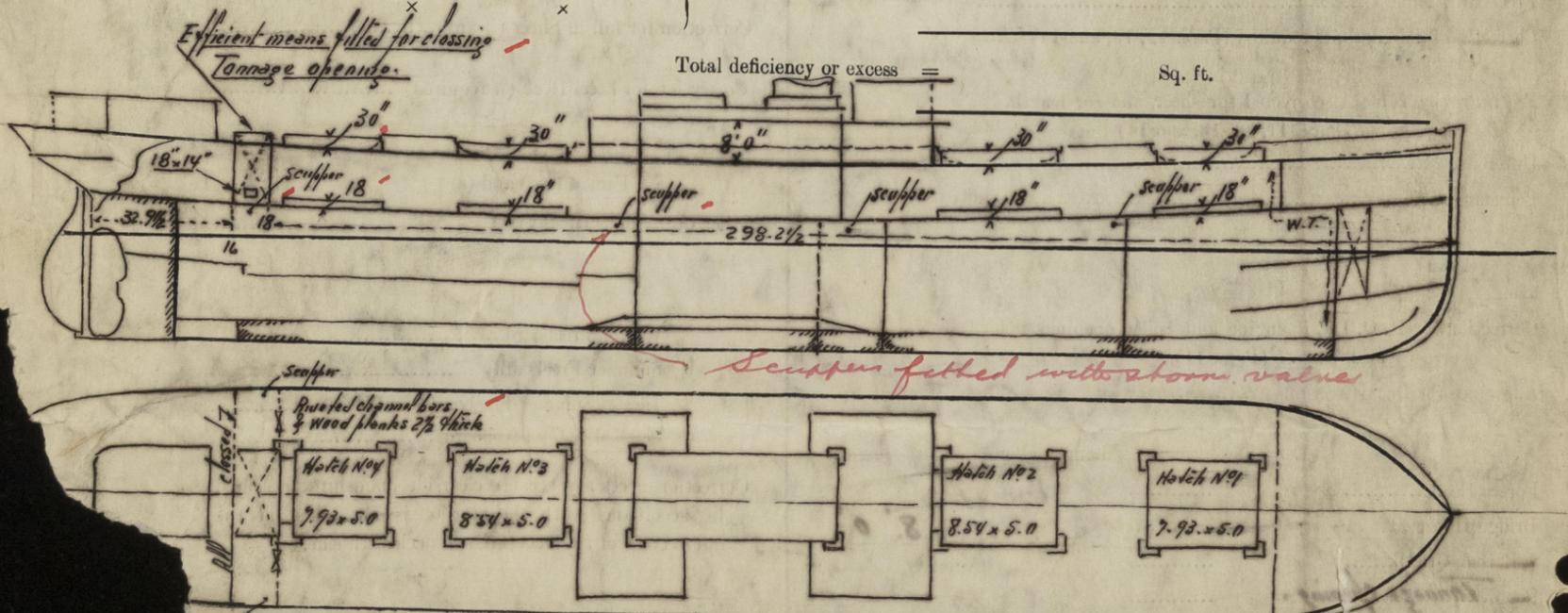
What is the thickness of the Bridge Sheerstrake? *3/4* Strake between Main and Bridge Sheerstrakes?
 Delete the words *The Crew are, are not, berthed in the bridge house.*
 that do not apply *The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory.*

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. } 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.

features in the construction of the Vessel

name and yard number

other vessels

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