

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD. N^o 8102 A.

Computation of Freeboard for Steamer, Sailing Ship, Tanker having <u>Free Bridge and Forecastle</u>					Port of Survey <u>Bilbao</u>
(Type of Superstructures.)					Date of Survey <u>20th April 1932.</u>
Ship's Name <u>S.S. "Miraflores"</u>	Nationality and Port of Registry <u>Spanish Bilbao</u>	Official Number <u>4.</u>	Gross Tonnage <u>5209</u>	Date of Build <u>1919.1.</u>	Name of Surveyor <u>J. A. Jones</u>
Moulded Dimensions: Length Breadth Depth					Particulars of Classification <u>100 A.1.</u>
Moulded displacement at moulded draught = 85 per cent. of moulded depth _____ tons					<u>4. 70.3 - 3.31.</u>
Coefficient of fineness for use with Tables _____					

Depth for Freeboard (D) Moulded depth Stringer plate Sheathing on exposed deck $T \left(\frac{L-S}{L} \right) =$ Depth for Freeboard (D) = _____	Depth correction (a) Where D is greater than Table depth (D - Table depth) R = _____ (b) Where D is less than Table depth (if allowed) (Table depth - D) R = _____ If restricted by superstructures _____	Round of Beam correction Moulded Breadth (B) _____ Standard Round of Beam = $\frac{B \times 12}{50} =$ _____ Ship's Round of Beam = _____ Difference _____ Restricted to _____ Correction = $\frac{\text{Diff}^e}{4} \times \left(1 - \frac{S_1}{L} \right) =$ _____
---	---	--

DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	Height Correction	Effective Length (E)
Poop enclosed					
„ overhang					
R.Q.D. enclosed					
„ overhang					
Bridge enclosed					
„ overhang aft					
„ overhang forward					
W.C. enclosed					
„ overhang					
Trunk aft					
„ forward					
Tonnage opening aft					
„ „ forward					
Total					

Standard Height of Superstructure _____
„ „ R.Q.D. _____
Deduction for complete superstructure _____
Percentage covered $\frac{S}{L} =$ _____
„ „ $\frac{S_1}{L} =$ _____
„ „ $\frac{E}{L} =$ _____
Percentage from Table, Line A.
(corrected for absence of forecastle (if required)) _____
Percentage from Table, Line B.
(corrected for absence of forecastle (if required)) _____
Interpolation for bridge less than 2L (if required) _____
Deduction = _____

SHEER CORRECTION.

Station	Standard Ordinate	S M	Product	Actual Ordinate	Effective Ordinate	S M	Product
A.P.		1				1	
$\frac{1}{6}L$ from A.P.		4				4	
$\frac{2}{6}L$ „		2				2	
Amidships		4				4	
$\frac{2}{6}L$ from F.P.		2				2	
$\frac{1}{6}L$ „		4				4	
F.P.		1				1	
Total							

Correction = $\frac{\text{Difference between sums of products}}{18} \left(.75 - \frac{S}{2L} \right) =$ _____
If limited on account of midship superstructure. _____

Mean actual sheer aft = _____
Mean standard sheer aft = _____

Mean actual sheer forward = _____
Mean standard sheer forward = _____

Length of enclosed superstructure forward of amidships = _____
„ „ aft of „ = _____

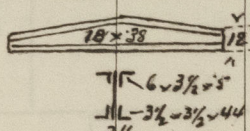
If limited to maximum allowance of $1\frac{1}{2}$ ins. per 100 ft.

Deduction for Tropical Freeboard. Addition for Winter and Winter North Atlantic Freeboard. Depth to Freeboard Deck = _____ Ft. Summer freeboard = _____ Moulded draught (d) = _____ Deduction for Tropical freeboard and addition for Winter freeboard = $\frac{d}{4}$ inches = _____ Addition for Winter North Atlantic Freeboard (if required) = _____	Deduction for Fresh Water. Displacement in salt water at summer load water line _____ $\Delta =$ _____ Tons per inch immersion at summer load water line _____ T = _____ Deduction = $\frac{\Delta}{40T}$ inches = _____	TABULAR FREEBOARD corrected for Flush Deck (if required) Correction for coefficient _____ <table><tr><th></th><th>+</th><th>-</th></tr><tr><td>Depth Correction</td><td></td><td></td></tr><tr><td>Deduction for superstructures</td><td></td><td></td></tr><tr><td>Sheer correction</td><td></td><td></td></tr><tr><td>Round of Beam correction</td><td></td><td></td></tr><tr><td>Correction for Thickness of Deck amidships</td><td></td><td></td></tr><tr><td>Other corrections, scantlings, etc.</td><td></td><td></td></tr><tr><td>Summer Freeboard =</td><td></td><td></td></tr></table>		+	-	Depth Correction			Deduction for superstructures			Sheer correction			Round of Beam correction			Correction for Thickness of Deck amidships			Other corrections, scantlings, etc.			Summer Freeboard =		
	+	-																								
Depth Correction																										
Deduction for superstructures																										
Sheer correction																										
Round of Beam correction																										
Correction for Thickness of Deck amidships																										
Other corrections, scantlings, etc.																										
Summer Freeboard =																										

SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, Wood, Steel, Deck :-

Tropical Fresh Water Line above Centre of Disc	Tropical Fresh Water Freeboard
Fresh Water Line „ „	Fresh Water „ „
Tropical Line „ „	Tropical „ „
Winter Line below „ „	Winter „ „
Winter North Atlantic Line „ „	Winter North Atlantic „ „

PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS					
Description of Hatchway		Coast Bunker Hatch	Coaling Hatch	Coaling Hatch	Coaling Hatch
Dimensions of Hatchway		10' 2 1/2" x 18' 0"	8' 0" x 3' 0"	5' 0" x 3' 0"	8' 0" x 3' 0"
COAMINGS	Height above Deck	30"	18"	18"	18"
	Thickness	4/8	4/8	4/8	4/8
	Stiffeners	7 x 3 1/2 B.A.	✓	✓	✓
	Brackets, Stays	2	✓	✓	✓
HATCH BEAMS	Number	5-1/4	none	none	none
	Spacing	5'-11 1/4"	✓	✓	✓
	Scantling and Sketch		✓	✓	✓
	Bearing Surface	3"	✓	✓	✓
FORE AND AFTERS	Number	none	none	none	none
	Spacing	none	none	none	none
	Unsupported Lengths	none	none	none	none
	Scantling and Sketch	none	none	none	none
HATCH COVERS	Material	W. Pine	W. Pine	W. Pine	W. Pine
	Thickness	2 1/2"	2 1/2"	2 1/2"	2 1/2"
	How fitted	Fore and aft	Thwartship	Thwartship	Thwartship
	Bearing Surface	3 1/2"	2 1/2"	2 1/2"	2 1/2"
Spacing of Cleats		24"	24"	24"	24"
Number of Taraulins		2	2	2	2
*Are wood fore and afters steel shod at all bearing surfaces? Are battens and wedges efficient and in good condition? Are tarpaulins in good condition and in accordance with rule requirements? Are lashings provided in accordance with rule requirements?					
yes yes yes					

Particulars of fiddle, funnel and ventilator coamings:—

Particulars of Flush Bunker Scuttles:—

Particulars of Companionways:—

Particulars of Ventilators in exposed positions on freeboard and superstructure decks:—

Particulars of Air Pipes in exposed positions on freeboard, raised quarter, or superstructure decks:—

Particulars of Gangway Cargo and Coaling Ports:—

Particulars of Scuppers and Sanitary Discharge Pipes:—

Particulars of Side Scuttles:—

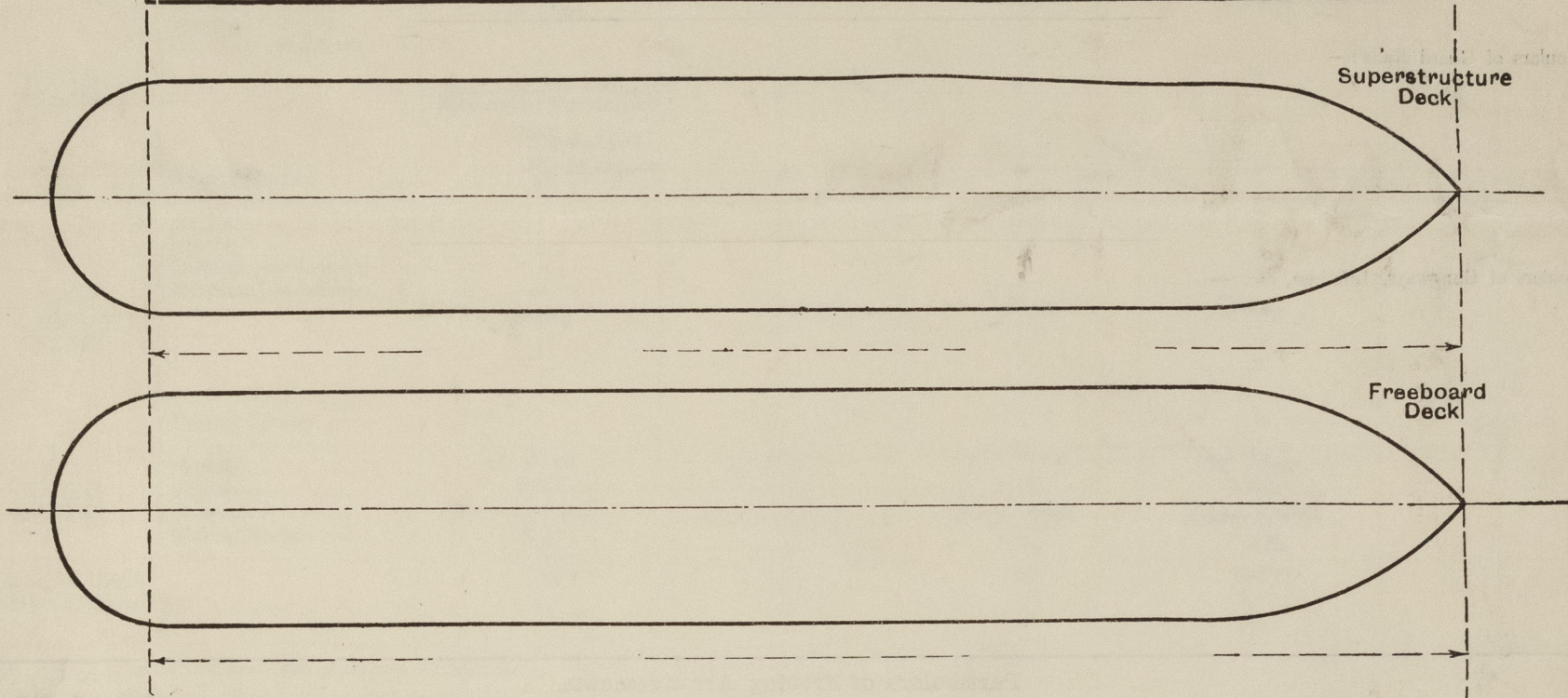
Particulars of Guard Rails:—

Particulars of Gangways, Lifelines, etc.:—

Particulars of Freeing Arrangements.						
	Length of Bulwark	Height of Bulwark	Size of Freeing Ports	Number each side	Area each side	Rule area each side
After Well						
Forward Well						
State position of each freeing port ... } After Well:— (F. and A. position and height above deck edge) } Forward Well:— State whether the freeing ports are fitted with shutters, bars, or rails, and give particulars of such:— Additional area where sheer is less than standard.						

Particulars of Superstructures, Trunks, Casings, Deckhouses.								
	Coaming	Plating	Stiffeners	Spacing	End Attachments of Stiffeners	Size of Openings	Height of Sills	Height of Casings
Poop Bulkhead								
Raised Quarter Deck Bulkhead								
Bridge, After Bulkhead								
Bridge, Forward Bulkhead								
Forecastle Bulkhead								
Trunk, Aft								
Trunk, Forward								
Exposed Machinery Casings on Freeboard or Raised Quarter Decks								
Exposed Machinery Casings on Superstructure Decks								
Machinery Casings within Superstructures not fitted with Class I Closing Appliances								
Deckhouses on Flush Deck Ships								
Particulars of Closing Appliances (state if capable of being manipulated from both sides).								
Poop Bulkhead								
Raised Quarter Deck Bulkhead								
Bridge, After Bulkhead								
Bridge, Forward Bulkhead								
Forecastle Bulkhead								
Exposed Machinery Casings on Freeboard or Raised Quarter Decks								
Exposed Machinery Casings on Superstructure Decks								
Machinery Casings within Superstructures not fitted with Class I Closing Appliances								
Deckhouses on Flush Deck Ships								

This image shows a blank, aged, cream-colored page, likely an endpaper or flyleaf from an old book. The paper has a slightly textured appearance with some minor discoloration and faint, illegible markings, possibly bleed-through from the reverse side. The page is framed by dark borders on the left and right sides, which appear to be the edges of the book's binding or the scanner's frame. There is no text or other content on the page.



Names of sister ships

Fee £ : : Received by me

W