

Ship's Name JARAMA MAFUTAH	Official Number	Nationality and Port of Registry Panama	Gross Tonnage	Date of Build	Port of Survey —
Moulded Dimensions: Length 128.47m Breadth 16.974m Depth 9.543 m				Date of Survey 1.9.49	Surveyor's Signature
Moulded displacement at moulded draught = 85 per cent. of moulded depth tons				Particulars of Classification +100A1 with pressure	
Coefficient of fineness for use with Tables 79 amended					

DEPTH FOR FREEBOARD (D).	DEPTH CORRECTION.	ROUND OF BEAM CORRECTION.
Moulded depth 9.543	(a) Where D is greater than Table depth (D-Table depth) R = $8.33(9.555-8.564) \times 30 = +248$ m/m	Moulded Breadth (B) 55.69 ft
Stringer plate 012	(b) Where D is less than Table depth (if allowed) (Table depth-D) R = -	Standard Round of Beam = $\frac{B \times 12}{50} = 339$ m/m
Sheathing on exposed deck -		Ship's Round of Beam = 356
T $\left(\frac{L-S}{L}\right) =$ -		Difference 17
Depth for Freeboard (D) = 9.555	If restricted by superstructures -	Restricted to
		Correction = $\frac{\text{Diff}^e}{4} \times \left(1 - \frac{S_1}{L}\right) = \frac{17}{4} \times 0.426 = 1.81$

	Mean Covered Length (S)	Equivalent Enclosed Length (S)	Height	Height Correction	Effective Length (E)
Poop enclosed	13.791	13.791		-	13.791
" overhang	2.819	1.410			1.410
R.Q.D. enclosed					
" overhang					
Bridge enclosed	79.678	79.678	2.364	-	79.678
" overhang aft					
" overhang forward					
File enclosed					
" overhang	30.201	22.650		-	22.650
Trunk aft					
" forward		$\frac{1}{2}$ diff			
Tonnage opening aft	1.981	5.471		-	5.471
" " forward					
Total	128.470	123.000			123.000

2290

Standard Height of Superstructure
 " " R.Q.D.

Deduction for complete superstructure..... 1067

Percentage covered $\frac{S}{L} = 100.00$
 "< " $\frac{S_1}{L} = 95.74$
 "< " $\frac{E}{L} = 95.74$

Percentage from Table, Line A. 94.76
(corrected for absence of forecaste (if required))

Percentage from Table, Line B. 94.76
(corrected for absence of forecaste (if required))

Interpolation for bridge less than .2L (if required) -

Deduction = 1067 x .9476 = 1011 m/m

Actual Twn OK	2.364
Standard " "	<u>2.290</u>
	.074

Station	Standard Ordnate	S M	Product	Actual Ordnate +74	Effective Ordnate	S M	Product
A.P. ...	1324	1	1324	1448	1522	1	1522
$\frac{1}{8}$ L from A.P. ...	588	4	2352	648	677	4	2700
$\frac{2}{8}$ L " ...	147	2	294	152	167	2	334
Amidships ...	—	4	—	—	—	4	—
$\frac{2}{8}$ L from F.P. ...	294	2	588	305	327	2	654
$\frac{1}{8}$ L " ...	1177	4	4708	1295	1322	4	5288
F.P. ...	2648	1	2648	2896	2970	1	2970
Total ...			11914	74			13468

$$\frac{\text{Mean actual shear aft}}{\text{Mean standard shear aft}} = 21$$

$$\frac{\text{Mean actual shear forward}}{\text{Mean standard shear forward}} = 21$$

$$\frac{\text{Length of enclosed superstructure}}{L} \text{ forward of amidships} =$$

$$\text{ " " aft of " } =$$

Correction = $\frac{\text{Difference between sums of products}}{18} \left(.75 - \frac{S}{2L} \right) = \frac{1554}{18} \times .25 = -22$ If limited

If limited on account of midship superstructure.

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

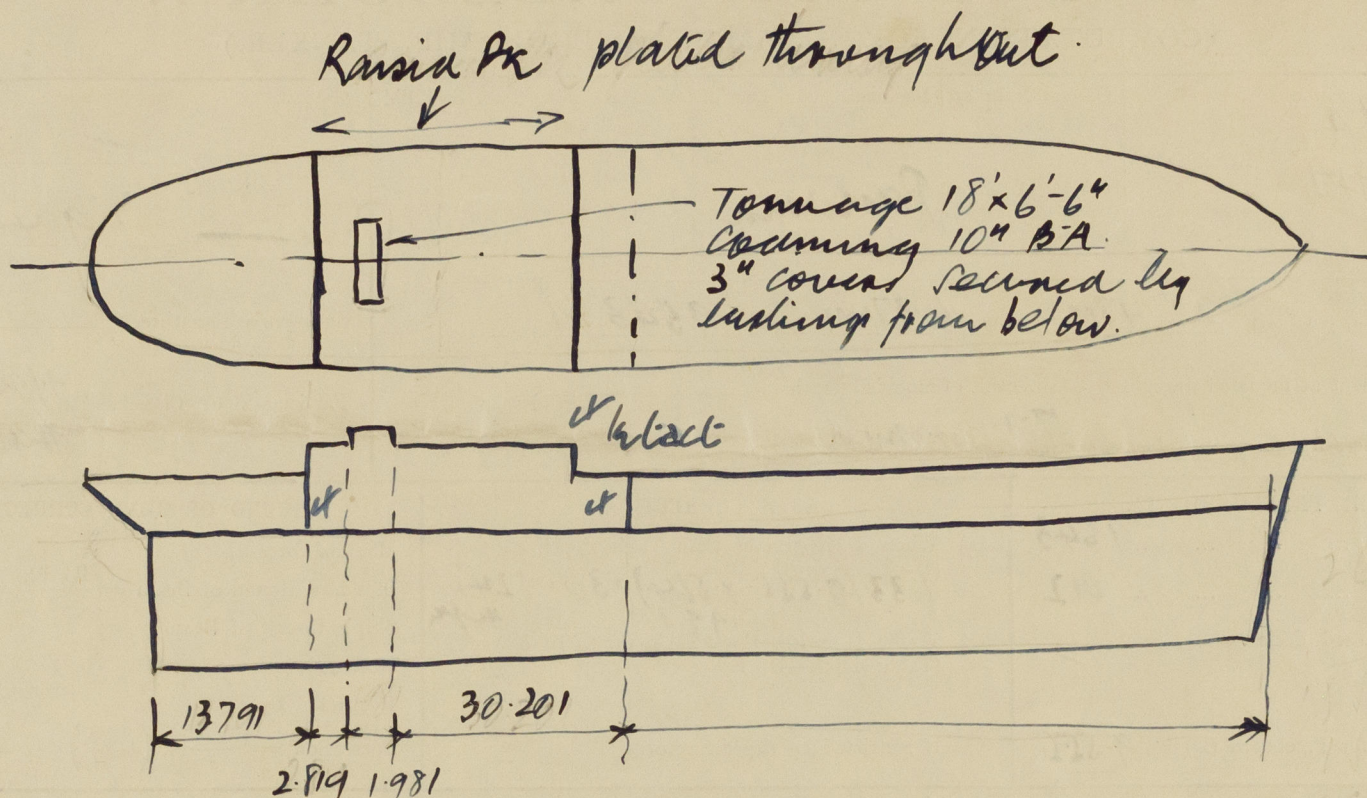
<p>Deduction for Tropical Freeboard.</p> <p>Addition for Winter and Winter North Atlantic Freeboard.</p> <p>Depth to Freeboard Deck = <u>9.558</u> Ft.</p> <p>Summer freeboard = <u>1.372</u></p> <p>Moulded draught (d) = <u>8.186</u></p> <p>Deduction for Tropical freeboard and addition for Winter freeboard = $\frac{d}{48}$ inches = <u>171 m/ft</u></p> <p>Addition for Winter North Atlantic Freeboard (if required) = <u> </u></p>	<p>Deduction for Fresh Water.</p> <p>Displacement in salt water at summer load water line</p> <p>Δ =</p> <p>Tons per inch immersion at summer load water line</p> <p>T =</p> <p>Deduction = $\frac{\Delta}{40 T}$ inches</p> <p><u>48</u> = <u>171 m/ft</u></p>	<p>TABULAR FREEBOARD <small>corrected for Flush Deck (if required)</small></p> <p>Correction for coefficient <u>79 + .68 = 147.36</u></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;">+</th> <th style="text-align: center;">-</th> </tr> </thead> <tbody> <tr> <td>Depth Correction</td> <td style="text-align: center;">248</td> <td style="text-align: center;">-</td> </tr> <tr> <td>Deduction for superstructures</td> <td style="text-align: center;">-</td> <td style="text-align: center;">1011</td> </tr> <tr> <td>Sheer correction</td> <td style="text-align: center;">-</td> <td style="text-align: center;">22</td> </tr> <tr> <td>Round of Beam correction</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> </tr> <tr> <td>Correction for Thickness of Deck amidships</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> </tr> <tr> <td>Other corrections, scantlings, etc. to</td> <td style="text-align: center;">10</td> <td style="text-align: center;">-</td> </tr> <tr> <td>Total</td> <td style="text-align: center;">258</td> <td style="text-align: center;">1033</td> </tr> </tbody> </table> <p><i>Correspond with a draught of 27'-0" & Summer Freeboard = 1372</i></p>		+	-	Depth Correction	248	-	Deduction for superstructures	-	1011	Sheer correction	-	22	Round of Beam correction	-	-	Correction for Thickness of Deck amidships	-	-	Other corrections, scantlings, etc. to	10	-	Total	258	1033
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SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, ~~Wood~~, Steel, Deck :—

Tropical Fresh Water Line above Centre of Disc	...	342 m/m	Tropical Fresh Water Freeboard	...	1030	"
Fresh Water Line	"	1.71	Fresh Water	"	120.1	"
Tropical Line	"	1.71	Tropical	"	120.1	"
Winter Line	below	1.71	Winter	"	154.3	"
Winter North Atlantic Line	"	...	Winter North Atlantic	"	...	"

Jarama

A new form should be prepared if any alterations that affect the freeboard have been made. If no such alterations have been made, the Surveyor should endorse the form on this side with his signature and the date.



Trade of ship

Names of sister ships

Builder's name and yard number

Owners

Fee £



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