

Amended Computation

Lloyd's Register of Shipping. SURVEYS FOR FREEBOARD. (COMPUTATION FOR STEAMER, SAILING SHIP, TANKER.)

JARAMA <i>ex MAFUTAM</i>	Official Number	Nationality and Port of Registry <i>Panama</i>	Gross Tonnage	Date of Build	Port of Survey _____
Moulded Dimensions: Length <i>128.47m</i> Breadth <i>16.974m</i> Depth <i>9.543m</i>					Date of Survey <i>1.9.49</i>
Moulded displacement at moulded draught = 85 per cent. of moulded depth _____ tons					Surveyor's Signature _____
Coefficient of fineness for use with Tables <i>79 amended.</i>					Particulars of Classification <i>H00A1 with freeboard.</i>

DEPTH FOR FREEBOARD (D).	DEPTH CORRECTION.	ROUND OF BEAM CORRECTION.
Moulded depth <i>9.543</i>	(a) Where D is greater than Table depth (D-Table depth) R = $\frac{8.33(9.555-8.564) \times 30}{99.1} = +248$	Moulded Breadth (B) <i>55.69 ft</i>
Stringer plate <i>012</i>	(b) Where D is less than Table depth (if allowed) (Table depth-D) R = _____	Standard Round of Beam = $\frac{B \times 12}{50} = 339 \text{ m/m}$
Sheathing on exposed deck $T \left(\frac{L-S}{L} \right) =$ _____	If restricted by superstructures _____	Ship's Round of Beam = <i>356</i>
Depth for Freeboard (D) = <i>9.555</i>		Difference = <i>17</i>
		Restricted to _____
		Correction = $\frac{\text{Diff}}{4} \times \left(1 - \frac{S_1}{L} \right) = \frac{17}{4} \times 0.426 = 1.81$

DEDUCTION FOR SUPERSTRUCTURES.

Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	Height Correction	Effective Length (E)	Particulars
Poop enclosed <i>13.791</i>	<i>13.791</i>		-	<i>13.791</i>	Standard Height of Superstructure <i>2290</i>
„ overhang <i>2.819</i>	<i>1.410</i>			<i>1.410</i>	
R.Q.D. enclosed					Deduction for complete superstructure <i>1067</i>
„ overhang					Percentage covered $\frac{S}{L} = 100.00$
Bridge enclosed <i>79.678</i>	<i>79.678</i>	<i>2.364</i>	-	<i>79.678</i>	„ „ $\frac{S_1}{L} = 95.74$
„ overhang aft					„ „ $\frac{E}{L} = 95.74$
„ overhang forward					Percentage from Table, Line A. <i>94.76</i>
F'cle enclosed					(corrected for absence of forecastle (if required))
„ overhang <i>30.201</i>	<i>22.650</i>		-	<i>22.650</i>	Percentage from Table, Line B. <i>94.76</i>
Trunk aft					(corrected for absence of forecastle (if required))
„ forward					Interpolation for bridge less than .2L (if required) _____
Tonnage opening aft <i>1.981</i>	<i>5.471</i>			<i>5.471</i>	Deduction = $1067 \times 94.76 = 1011 \text{ m/m}$
„ „ forward					
Total <i>128.470</i>	<i>123.000</i>			<i>123.000</i>	

SHEER CORRECTION.

Station	Standard Ordinate	S	Product	Actual Ordinate	Effective Ordinate	S	Product
A.P.	<i>1324</i>	1	<i>1324</i>	<i>1448</i>	<i>1522</i>	1	<i>1522</i>
$\frac{1}{4}L$ from A.P.	<i>588</i>	4	<i>2352</i>	<i>648</i>	<i>677</i>	4	<i>2700</i>
$\frac{2}{4}L$ „	<i>147</i>	2	<i>294</i>	<i>152</i>	<i>167</i>	2	<i>334</i>
Amidships	-	4	-	-	-	4	-
$\frac{3}{4}L$ from F.P.	<i>294</i>	2	<i>588</i>	<i>305</i>	<i>327</i>	2	<i>654</i>
$\frac{1}{4}L$ „	<i>1177</i>	4	<i>4708</i>	<i>1295</i>	<i>1322</i>	4	<i>5288</i>
F.P.	<i>2648</i>	1	<i>2648</i>	<i>2896</i>	<i>2970</i>	1	<i>2970</i>
Total			<i>11914</i>	<i>74</i>			<i>13468</i>

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

If limited on account of midship superstructure.

Actual Tonnage *DK* *2.364*

Standard Tonnage *2290*

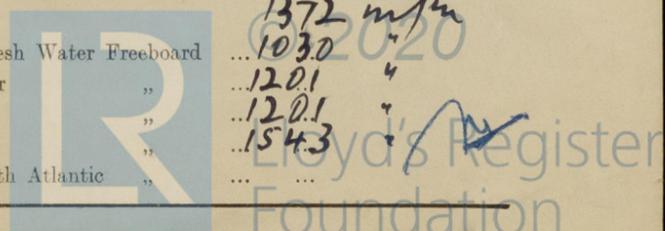
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Deduction for Tropical Freeboard. Addition for Winter and Winter North Atlantic Freeboard. Depth to Freeboard Deck = <i>9.555</i> Summer freeboard = <i>1.372</i> Moulded draught (d) = <i>8.183</i> Deduction for Tropical freeboard and addition for Winter freeboard = $\frac{d}{48} = 171 \text{ m/m}$ 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 = $\frac{\Delta}{40 T}$ inches $\frac{d}{48} = 171 \text{ m/m}$	TABULAR FREEBOARD (corrected for Flush Deck (if required)) Correction for coefficient $\frac{79+68}{1.36} = 147.36$ <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;"></td> <td style="width: 50%;"></td> </tr> <tr> <td>Depth Correction</td> <td><i>248</i></td> </tr> <tr> <td>Deduction for superstructures</td> <td><i>1011</i></td> </tr> <tr> <td>Sheer correction</td> <td><i>22</i></td> </tr> <tr> <td>Round of Beam correction</td> <td><i>1.81</i></td> </tr> <tr> <td>Correction for Thickness of Deck amidships</td> <td><i>10</i></td> </tr> <tr> <td>Other corrections, scantlings, etc. to</td> <td><i>258</i></td> </tr> <tr> <td style="text-align: right;">Summer Freeboard = <i>1372</i></td> <td></td> </tr> </table>			Depth Correction	<i>248</i>	Deduction for superstructures	<i>1011</i>	Sheer correction	<i>22</i>	Round of Beam correction	<i>1.81</i>	Correction for Thickness of Deck amidships	<i>10</i>	Other corrections, scantlings, etc. to	<i>258</i>	Summer Freeboard = <i>1372</i>	
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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 <i>342 m/m</i>	Tropical Fresh Water Freeboard <i>1372 m/m</i>
Fresh Water Line „ „ <i>1.71</i>	Fresh Water „ „ <i>1030</i>
Tropical Line „ „ <i>1.71</i>	Tropical „ „ <i>120.1</i>
Winter Line below „ „ <i>1.71</i>	Winter „ „ <i>120.1</i>
Winter North Atlantic Line „ „ _____	Winter North Atlantic „ „ <i>154.3</i>

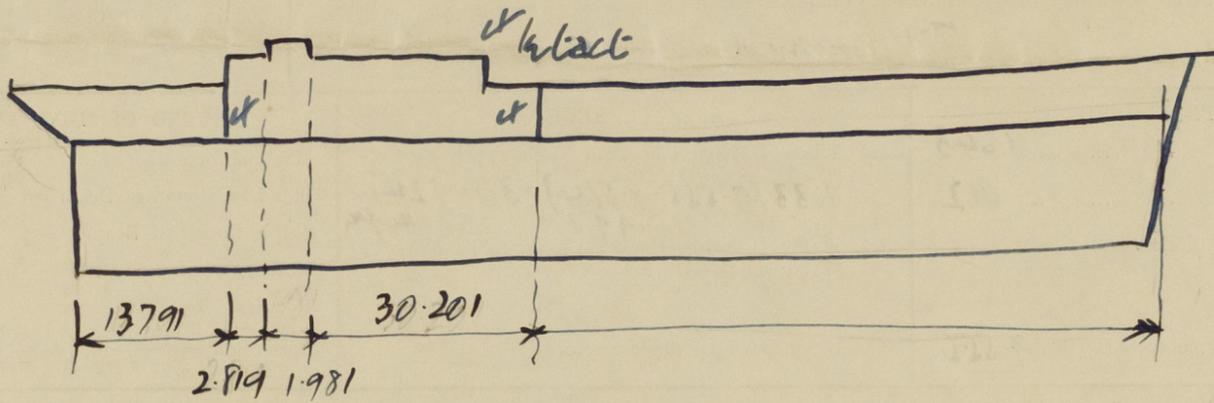
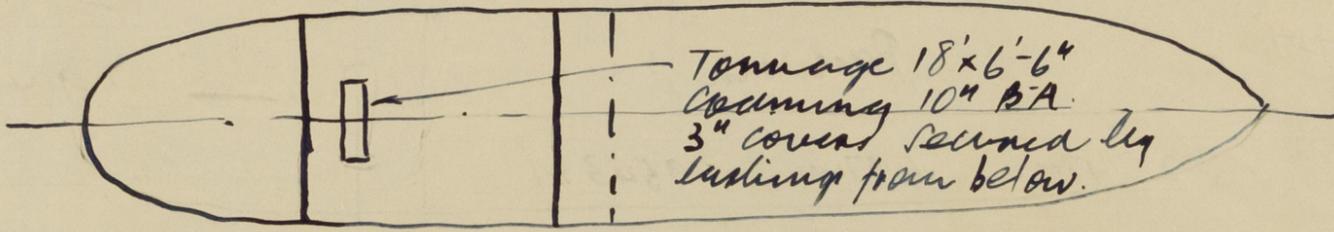
6 SEP 1949



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.

Russia Plated throughout



Trade of ship

Names of sister ships

Builder's name and yard number

Owners

Fee £



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Foundation