

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

(COMPUTATION FOR STEAMER, SAILING SHIP, TANKER.)

Index No. 39946
(For London Office only).

20 JUL 1948

Ship's Name "CORUCHE"	Official Number	Nationality and Port of Registry Portuguese Lisbon	Gross Tonnage	Date of Build 1948	Port of Survey <u>Quebec</u>
Moulded Dimensions: Length <u>220.0</u> Breadth <u>35.0</u> Depth <u>18.0</u> To Cr. of Stock					Date of Survey <u>whilst building, 1948</u>
Moulded displacement at moulded draught = 85 per cent. of moulded depth: <u>2330</u> tons					Surveyor's Signature <u>R. D. Campbell</u>
Coefficient of fineness for use with Tables <u>.693</u>					Particulars of Classification <u>*100 A1</u> With Freeboard.

Depth for Freeboard (D).	Depth correction.	Round of Beam correction.
Moulded depth 18.00	(a) Where D is greater than Table depth (D—Table depth) R=	Moulded Breadth (B)
Stringer plate03	(b) Where D is less than Table depth (if allowed) (Table depth—D) R=	Standard Round of Beam = $\frac{B \times 12}{50} =$
Sheathing on exposed deck $T \left(\frac{L-S}{L} \right) =$	If restricted by superstructures	Ship's Round of Beam = 9"
Depth for Freeboard (D) = <u>18.03</u>		Difference
		Restricted to
		Correction = $\frac{\text{Diff}^2}{4} \times \left(1 - \frac{S_1}{L} \right) =$

DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	Height Correction	Effective Length (E)	
Poop enclosed	15.0		7.0			Standard Height of Superstructure
" overhang			7.0			" " R.Q.D.
R.Q.D. enclosed						Deduction for complete superstructure
" overhang						Percentage covered $\frac{S}{L} =$
See Sketch over. Bridge enclosed	52.0		7.5			" " $\frac{S_1}{L} =$
" " overhang aft			7.5			" " $\frac{E}{L} =$
" " overhang forward			7.5			Percentage from Table, Line A. (corrected for absence of forecastle (if required))
File enclosed	23.0		7.0			Percentage from Table, Line B. (corrected for absence of forecastle (if required))
" overhang	2.0		7.0			Interpolation for bridge less than .2L (if required)
Trunk aft						Deduction =
" forward						
Tonnage opening aft						
" " forward						
Total						

SHEER CORRECTION.

Station	Standard Ordinate	S	Product	Actual Ordinate in inches	Effective Ordinate	S	Product	
A.P.		1		34.0		1		Mean actual sheer aft = Mean standard sheer aft =
1/4L from A.P.		4		14.25		4		Mean actual sheer forward = Mean standard sheer forward =
1/2L "		2		3.56		2		Length of enclosed superstructure forward of amidships = L
Amidships		4		0		4		" " aft of " =
1/4L from F.P.		2		9.32		2		
1/2L "		4		33.94		4		
F.P.		1		72.00		1		
Total								

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

If limited to maximum allowance of 1 1/2 ins. per 100 ft.

<p>Deduction for Tropical Freeboard.</p> <p>Addition for Winter and Winter North Atlantic Freeboard.</p> <p style="text-align: right;">Ft.</p> <p>Depth to Freeboard Deck = _____</p> <p>Summer freeboard = _____</p> <p>Moulded draught (d) = _____</p> <p>Deduction for Tropical freeboard and addition for Winter freeboard = $\frac{d}{4}$ inches = _____</p> <p>Addition for Winter North Atlantic Freeboard (if required) = _____</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 = $\frac{\Delta}{40T}$ inches = _____</p>	<p>TABULAR FREEBOARD corrected for Flush Deck (if required)</p> <p>Correction for coefficient.</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <tr> <td style="width: 50%; text-align: center;">+</td> <td style="width: 50%; text-align: center;">-</td> </tr> <tr> <td style="height: 100px;"> </td> <td style="height: 100px;"> </td> </tr> </table> <p>Depth Correction</p> <p>Deduction for superstructures</p> <p>Sheer correction</p> <p>Round of Beam correction</p> <p>Correction for Thickness of Deck amidships</p> <p>Other corrections, scantlings, etc.</p> <p style="text-align: right;">Summer Freeboard = _____</p>	+	-		
+	-					

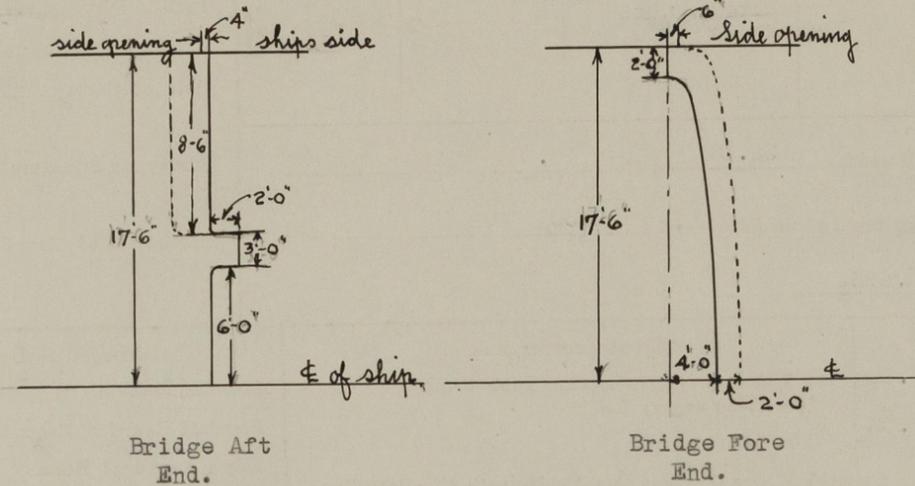
SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, Wood, Steel, Deck:—

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 " "

Coruche.

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.

Intermediate Displacements and Tons per inch					
Moulded draft	14'-6"	Full Displacement	2210	T.P.I.	14.43
"	" 14'-0"	"	" 2120	"	14.30
"	" 13'-6"	"	" 2035	"	14.20



PORT & STARBOARD SIDES SIMILAR.

Trade of ship Ocean going cargo Vessel.

Names of sister ships ---

Builder's name and yard number St. Lawrence Metal & Marine Works Inc. Hull No. 76

Owners Sociedade Geral de Comercio, Industria E Transportes.

Fee £

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Foundation