

# 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 <b>"CORUCHE"</b>	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> <u>With Freeboard.</u>

<b>Depth for Freeboard (D).</b> Moulded depth ... .. 18.00 Stringer plate ... .. .03 Sheathing on exposed deck $T \left( \frac{L-S}{L} \right) =$ Depth for Freeboard (D) = <u>18.03</u>	<b>Depth correction.</b> (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	<b>Round of Beam correction.</b> Moulded Breadth (B) Standard Round of Beam = $\frac{B \times 12}{50} =$ Ship's Round of Beam = 9" Difference Restricted to Correction = $\frac{\text{Diff}^a}{4} \times \left( 1 - \frac{S_1}{L} \right) =$
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## DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S <sub>1</sub> )	Height	Height Correction	Effective Length (E)	
Poop enclosed ... ..	15.0		7.0			Standard Height of Superstructure .....
" overhang ... ..			7.0			" " R.Q.D. ....
<del>R.Q.D. enclosed</del> ... ..						Deduction for complete superstructure .....
<del>" overhang</del> ... ..						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 M	Product	Actual Ordinate in inches	Effective Ordinate	S M	Product	
A.P. ... ..		1		34.0		1		Mean actual sheer aft = Mean standard sheer aft =
1/4 L from A.P. ... ..		4		14.25		4		Mean actual sheer forward = Mean standard sheer forward =
1/4 L " ... ..		2		3.56		2		Length of enclosed superstructure forward of amidships = L
Amidships ... ..		4		0		4		" " aft of " =
1/4 L from F.P. ... ..		2		9.32		2		
1/4 L " ... ..		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.

Deduction for Tropical Freeboard.  
Addition for Winter and Winter North Atlantic Freeboard.Ft.  
Depth to Freeboard Deck =  
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.

	+	-
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 ... ..	
Fresh Water Line " " ... ..	
Tropical Line " " ... ..	
Winter Line below " " ... ..	
Winter North Atlantic Line " " ... ..	

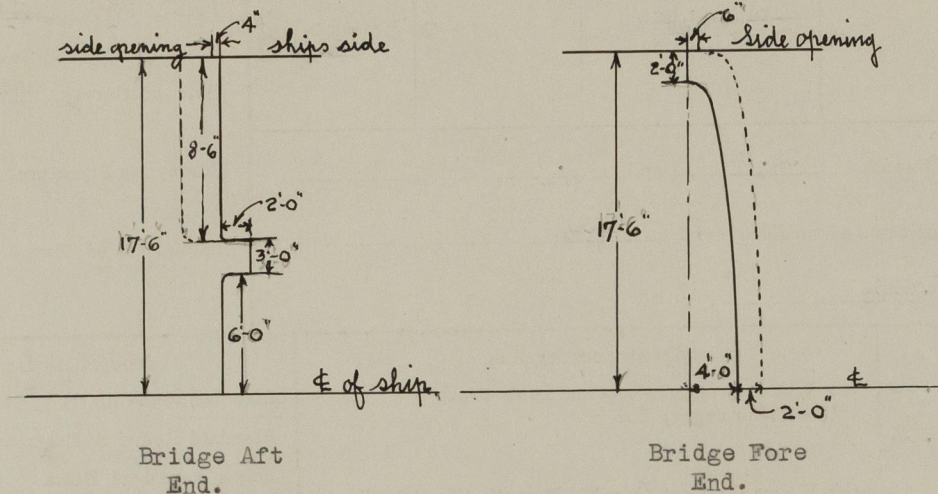
Tropical Fresh Water Freeboard ... ..	
Fresh Water " " ... ..	
Tropical " " ... ..	
Winter " " ... ..	
Winter North Atlantic " " ... ..	



*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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