

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

(COMPUTATION FOR STEAMER, SAILING SHIP, TANKER.)

Ship's Name <i>Commaught</i>	Official Number	Nationality and Port of Registry	Gross Tonnage	Date of Build	Port of Survey
					Date of Survey <i>10.1.44</i>
Moulded Dimensions: Length <i>324.7</i> Breadth <i>41.5</i> Depth <i>17.92</i>					Surveyor's Signature
Moulded displacement at moulded draught = 85 per cent. of moulded depth					Particulars of Classification <i>100A1</i>
Coefficient of fineness for use with Tables <i>.68</i>					<i>with hull</i>

Depth for Freeboard (D).	Depth correction.	Round of Beam correction.
ed depth 17.92 ✓	(a) Where D is greater than Table depth (D-Table depth) R =	Moulded Breadth (B)
er plate 04	(b) Where D is less than Table depth (if allowed) (Table depth-D) R =	Standard Round of Beam = $\frac{B \times 12}{50}$ =
ing on exposed deck	(21.65-17.96) x 2.498 = - 9.22	Ship's Round of Beam =
$\left(\frac{-S}{L}\right) =$	3.69 If restricted by superstructures	Difference <i>as per standard</i>
Depth for Freeboard (D) = 17.96 ✓		Restricted to
		Correction = $\frac{\text{Diff}^*}{4} \times \left(1 - \frac{S_1}{L}\right)$ = <i>N/A</i>

DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	Height Correction	Effective Length (E)
nclosed					
verhang					
enclosed					
overhang					
enclosed... ..					
overhang aft ...					
overhang forward					
nclosed					
verhang					
aft					
forward					
ge opening aft ...					
„ forward					
Total					

Standard Height of Superstructure 6.74

" " R.Q.D. 36.98 ✓

Deduction for complete superstructure

Percentage covered $\frac{S}{L} =$

" " $\frac{S_1}{L} =$ } 100

" " $\frac{E}{L} =$

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 = -36.98 ✓

SHEER CORRECTION.

ation	Standard Ordinate	S M	Product	Actual Ordinate	Effective Ordinate	S M	Product
...	...	1				1	
n A.P. ...		4				4	
" ...		2				2	
ips ...		4				4	
n F.P. ...		2				2	
" ...		4				4	
...		1				1	
Total ...							

$$\frac{\text{Mean actual sheer aft}}{\text{Mean standard sheer aft}} =$$
$$\frac{\text{Mean actual sheer forward}}{\text{Mean standard sheer forward}} =$$
$$\frac{\text{Length of enclosed superstructure}}{L} \text{ forward of amidships} =$$

" " aft of " =

$$\text{correction} = \frac{\text{Difference between sums of products}}{18} \left(.75 - \frac{8}{2L} \right) = -1.25 \checkmark$$

limited on account of midship superstructure.

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

tion for Tropical Freeboard.
tion for Winter and Winter North
antic Freeboard.

		Ft.
Depth to Freeboard Deck	=	17.96
Summer freeboard	=	.18
Moulded draught (d)	=	<u>17.78</u>

winter freeboard = $\frac{d}{4}$ inches =

tion 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

$$\text{Deduction} = \frac{\Delta T}{40 T} \text{ inches}$$

TABULAR FREEBOARD corrected for Flush Deck (if required)

Correction for coefficient

	+	-	
Depth Correction	-	9.22	✓
Deduction for superstructures	-	36.98	✓
Sheer correction	-	1.25	✓
Round of Beam correction	-	-	
Correction for Thickness of Deck amidships	-	-	
Other corrections, scantlings, etc.	-	-	
	-	47.45	- 47.45
		Summer Freeboard =	2.17

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	„ ...