

Bulk head at A E of bridge <sup>Frame 60</sup> Class 2 closing appearance  
" " " F. E. of bridge Class 1 " "

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

Index. No. ....  
(For London Office only).

Ship's Name <i>Connaught</i>	Official Number	Nationality and Port of Registry	Gross Tonnage	Date of Build	Port of Survey
Displacement: Length <i>324.7'</i> Breadth <i>41.5'</i> Depth <i>17.92'</i>					Date of Survey <i>13.7.42.</i>
Draught at moulded draught = 85 per cent. of moulded depth _____ tons					Surveyor's Signature
Resistance for use with Tables <i>.68 - (.599 actual)</i>					Particulars of Classification <i>+ 100 A1</i> <i>with free beam</i>

for Freeboard (D).	Depth correction.	Round of Beam correction.
... .. 17.92	(a) Where D is greater than Table depth	Moulded Breadth (B)
... .. .04	(D—Table depth) R =	Standard Round of Beam = $\frac{B \times 12}{50} =$
... ..	(b) Where D is less than Table depth (if allowed)	Ship's Round of Beam =
... .. .02	(Table depth—D) R =	Difference 5.96
... ..	If restricted by superstructures Yes, incl	Restricted to
for Freeboard (D) = 17.98		Correction = $\frac{\text{Diff}^e}{4} \times \left(1 - \frac{S_1}{L}\right) = \frac{5.96}{4} \times 1.977 = 4.30$

## DEDUCTION FOR SUPERSTRUCTURES.

Mean Covered Length (S)	Equivalent Enclosed Length (S <sub>i</sub> )	Height	Height Correction	Effective Length (E)
48.50	48.50	7.25		48.50
4.00	2.00			2.00
151.75	151.75	7.25		151.75
10.00	7.50			7.50
2.50	1.25			1.25
76.50	49.48	10.25		49.48
293.25	260.48			260.48

Standard Height of Superstructure 6.75

" " R.Q.D. ✓

Deduction for complete superstructure 36.98

Percentage covered  $\frac{S}{L} = 90.32 -$

" "  $\frac{S_i}{L} = 80.23 -$

" "  $\frac{E}{L} = 80.23 -$

Percentage from Table, Line A. ✓

(corrected for absence of forecastle (if required)) ✓

Percentage from Table, Line B. 75.59

(corrected for absence of forecastle (if required)) ✓

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

Deduction =  $36.98 \times .7559 = -27.95$

SHEER CORRECTION.

Standard Ordinate	S M	Product	Actual Ordinate	Effective Ordinate	S M	Product
	1				1	
	4				4	
	2				2	
	4				4	
	2				2	
	4				4	
	1				1	

Mean actual sheer aft =

Mean standard sheer aft =

Mean actual sheer forward =

Mean standard sheer forward =

Length of enclosed superstructure forward of amidships =

L

" " aft of " =

1.137

If limited to maximum allowance of 1½ ins. per 100 ft.

opical Freeboard.  
ter and Winter North  
ard.

board Deck = 18.03  
board = 1.98  
draught (d) = 16.05

Freeboard and addition for  
=  $\frac{d}{4}$  inches =

North Atlantic Freeboard (if

**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  
=

**TABULAR FREEBOARD** ~~corrected for~~ Flush Deck (if required)

Correction for coefficient

	+	-
Depth Correction ... ..	-	-
Deduction for superstructures ... ..	-	-
Sheer correction ... ..	1.13	-
Round of Beam correction ... ..	.30	-
Correction for Thickness of Deck amidships	.80	-
Other corrections, scantlings, etc. ... ..	-	-
	1.99	27.95

Summer Freeboard =

49.62

49.62

82B

13.7-12

25.96

23.66

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	"

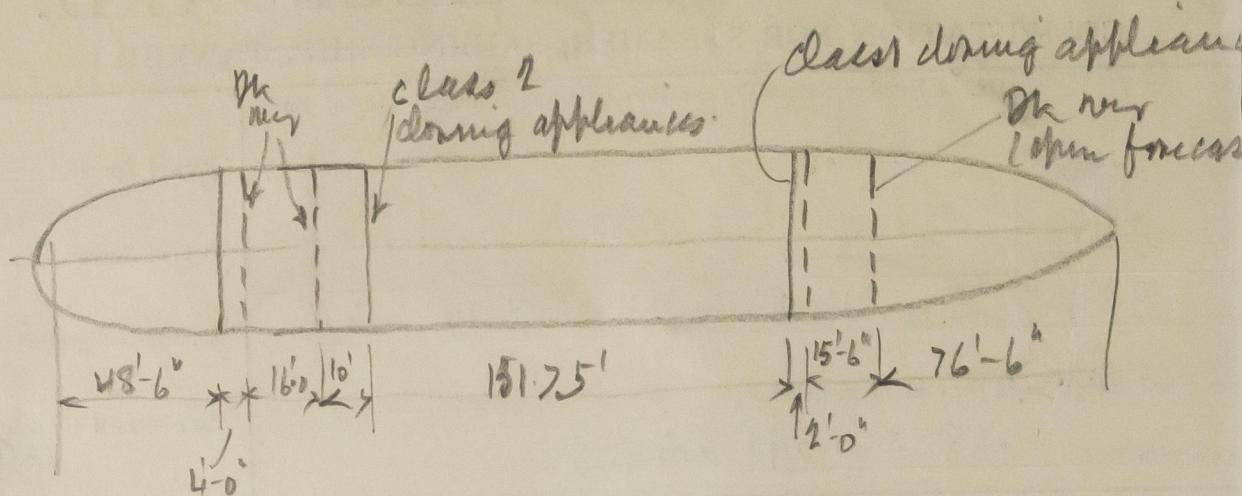
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Lloyd's Register

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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

Trade of ship

Name

Names of sister ships

Builder

Builder's name and yard number

Owner

Owners

Fee

Fee £



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Foundation