Rpt. C.11.

TIMBER.

Lloyd's Register of Shipping.

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

SURVEYS FOR FREEBOARD.

Computation of Freeboard for Steamer, Sailing Ship, Tanker

...ving _____

_____

_____ (Type of Superstructures.)

Ship's Name	Nationality and Port of Registry	Official Number	Gross Tonnage	Date of Build
...RDEN.				

Port of Survey _____

Date of Survey _____

Name of Surveyor _____

Particulars of Classification _____

...sions: Length _____ Breadth _____ Depth _____

...ement at moulded draught = 85 per cent. of moulded depth _____ tons

...eness for use with Tables ·777.

...for Freeboard (D)

... ...

... ...

...deck

Freeboard (D) = 20·54

Depth correction

(a) Where D is greater than Table depth
(D—Table depth) R = +5·93

(b) Where D is less than Table depth (if allowed)
(Table depth—D) R =

If restricted by superstructures

Round of Beam correction

Moulded Breadth (B)

Standard Round of Beam = $\frac{B \times 12}{50}$ =

Ship's Round of Beam =

Difference

Restricted to

Correction = $\frac{\text{Diff}^{e}}{4} \times \left(1 - \frac{S_1}{L}\right)$ = −·02″

DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S_1)	Height	Height Correction	Effective Length (E)
...					
...					
...					
...					
...					
...t ...					
...rward					
...					
...					
...					
...					
...t ...					
...rward					
...					

Standard Height of Superstructure _____

„ „ R.Q.D. _____

Deduction for complete superstructure 32·43

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

„ „ $\frac{S_1}{L}$ =

„ „ $\frac{E}{L}$ =

Percentage from Table, ~~Line A.~~ Timber (corrected for absence of forecastle (if required)) 85·76%

Percentage from Table, Line B. (corrected for absence of forecastle (if required))

Interpolation for bridge less than ·2L (if required)

Deduction = 32·43 × ·8576 = −27·81″

SHEER CORRECTION.

...rd ...te	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 / L forward of amidships =

„ „ aft of „ =

...ce between sums of products / 18 $\left(\cdot 75 - \frac{S}{2L}\right)$ = +·08″

...f midship superstructure.

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

...l Freeboard. ...nd Winter North

	Ft.
...Deck =	20·54
=	1·33
...ht (d) =	19·21

...oard ~~and addition for~~ ...ches = 4·8″ = 122 m/m

~~Atlantic~~ Freeboard ~~(if~~ = 163 m/m

Deduction for Fresh Water.

Displacement in salt water at summer load water line

Δ =

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	5·93	—
Deduction for superstructures	—	27·81
Sheer correction	·08	—
Round of Beam correction	—	·02
Correction for Thickness of Deck amidships ...	—	—
Other corrections, scantlings, etc.	—	—
	6·01	27·83

37·82

− 21·82

Summer Freeboard = 16·00

...REEBOARD amidships from ~~Centre of Disc to top of~~ Deck Line, ~~Wood~~, Steel, Deck :— 16·00″ = 406 m/m

Timber	Tropical Fresh Water Line above Centre of Disc	...376 m/m	Timber	Tropical Fresh Water Freeboard	146 „
1932 „	Fresh Water Line „ „	...254 „	„	Fresh Water „	268 „
„	Tropical Line „ „	...238 „	„	Tropical „	284 „
„	Winter Line below „	... 47 „	„	Winter „	569 „
„	Winter North Atlantic Line „ „	...171 „	„	Winter North Atlantic „	693 „
„	Summer above	116 „			

010835-010845-0199

Marking Form Rec'd 24/10/32

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