11 (Comp.).

Permissible Draught on Scantlings
See Midship Section dated
29.032

Lloyd's Register of Shipping.

Index. No. 23651
(For London Office only).

SURVEYS FOR FREEBOARD.

(COMPUTATION FOR STEAMER, SAILING SHIP, TANKER.)

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

Port of Survey

Date of ~~Survey~~ 10.11.43

Surveyor's Signature

Particulars of Classification 7 W&T

ded Dimensions: Length 481.5 Breadth 57 Depth 35.37

ded displacement at moulded draught = 85 per cent. of moulded depth ... tons

icient of fineness for use with Tables .753

pth for Freeboard (D).

... ... 35.37

... ... .06

posed deck

=

pth for Freeboard (D) = 35.43

Depth correction.

(a) Where D is greater than Table depth
(D—Table depth) R = (35.43 - 32.10) 3 = +9.99
3.33

(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 assumed Standard.

Restricted to

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

DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S_1)	Height	Height Correction	Effective Length (E)
... ...					
g... ...					
ed ...					
ng ...					
d... ...					
ng aft ...					
ng forward					
... ...					
... ...					
... ...					
l... ...					
ng aft ...					
forward					
... ...					

Standard Height of Superstructure 7.5

„ „ R.Q.D.

Deduction for complete superstructure 42

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

„ „ $\frac{S_1}{L}$ =

„ „ $\frac{E}{L}$ = 76.7

Percentage from Table, Line A. 71.24
(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 = = 42 × .7124 = -29.92

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	

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

$\frac{\text{Mean actual sheer aft}}{\text{Mean standard sheer aft}}$ =

$\frac{\text{Mean actual sheer forward}}{\text{Mean standard sheer forward}}$ =

$\frac{\text{Length of enclosed superstructure}}{L}$ forward of amidships =

„ „ aft of „ =

Assume Standard

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

Tropical Freeboard.
Winter and Winter North eboard.

	Ft.
Freeboard Deck =	35.43
reeboard =	6.84
Moulded draught (d) =	28.59

n for Tropical freeboard and addition for ter freeboard = $\frac{d}{4}$ inches =

for Winter North Atlantic Freeboard (if red) =

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) 96.75

Correction for coefficient 101.95

	+	−
Depth Correction	9.99	-
Deduction for superstructures	-	29.92
Sheer correction	-	-
Round of Beam correction	-	-
Correction for Thickness of Deck amidships ...	-	-
Other corrections, scantlings, etc.	-	-
	9.99	29.92

-19.93

Summer Freeboard = 82.02

82.5
10.11.43

SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, ~~Wood~~, Steel, Deck: — 6.84

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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