Rpt. C.11.

Lloyd's Register of Shipping.
SURVEYS FOR FREEBOARD.

Computation of Freeboard for Steamer, Sailing Ship, Tanker

having _____

_____

(Type of Superstructures.)

Port of Survey _____

Date of Survey   30 - 3 - 37

Name of Surveyor _____

Particulars of Classification   100 A1

(contemplated).

Ship's Name	Nationality and Port of Registry	Official Number	Gross Tonnage	Date of Build
S. H. and W. R. Nº 1570				

Moulded Dimensions : Length 440.0   Breadth 61.0   Depth 28.0 (actual)

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

Coefficient of fineness for use with Tables   undr. .08.

Depth for Freeboard (D)

Moulded depth ... assumed 26.04

Stringer plate ... .04

Sheathing on exposed deck $T\left(\dfrac{L-S}{L}\right)=$

Depth for Freeboard (D) = 26.08

Depth correction

(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 =

$\dfrac{(29.33 - 26.08) \times 3}{3.25} = +\,9.75$

If restricted by superstructures

Round of Beam correction

Moulded Breadth (B)

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

Ship's Round of Beam =

Difference

Restricted to   assumed standard

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

DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S₁)	Height	Height Correction	Effective Length (E)
Poop enclosed					
„ overhang ...					
R.Q.D. enclosed ...					
„ overhang					
Bridge enclosed...					
„ overhang aft ...					
„ overhang forward					
F'cle enclosed ...					
„ overhang ...					
Trunk aft					
„ forward ...					
Tonnage opening aft ...					
„ „ forward					
Total					

Standard Height of Superstructure _____ 7.5

„ „ R.Q.D. _____

Deduction for complete superstructure _____ 42

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

„ „ $\dfrac{S_1}{L} =$ } 100

„ „ $\dfrac{E}{L} =$

Percentage from Table, Line A. 100
(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 = −42.00

SHEER CORRECTION.

L.R. height of tween decks = 8.0
Standard = 7.5
.5

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

$\dfrac{\text{Mean actual sheer aft}}{\text{Mean standard sheer aft}} =$ Nil

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

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

„ „ aft of „ =

Scantling freeboard only

−.50

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

Fresh

TABULAR FREEBOARD corrected for Flush Deck (if required)   84.00

Correction for coefficient   Nil   84.00

at

	+	−
Depth Correction		9.75
Deduction for superstructures		42.00
Sheer correction		.50
Round of Beam correction... ...		
Correction for Thickness of Deck amidships ...		
Other corrections, scantlings, etc.		
		52.25

−52.25

Summer Freeboard = 31.75

Deck Line, Wood, Steel, Deck :—

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