Lloyd's Register of Shipping.
SURVEYS FOR FREEBOARD.

Computation of Freeboard for Steamer, Sailing Ship, Tanker

having _____

Port of Survey _____

(Type of Superstructures.)

Date of ~~Survey~~ 27-3-33

Ship's Name	Nationality and Port of Registry	Official Number	Gross Tonnage	Date of Build
Messrs Lithgows Nº 866.				

Name of Surveyor _____

Moulded Dimensions : Length 360 Breadth 57·25 Depth 26·75

Particulars of Classification _____

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

Coefficient of fineness for use with Tables · 70

Depth for Freeboard (D)	Depth correction	Round of Beam correction
Moulded depth ... ... 26·75	(a) Where D is greater than Table depth $(D - \text{Table depth})\ R = (26.78 - 24.00)\ 2.769.$ $= 7.70$	Moulded Breadth (B) *Standard.*
Stringer plate ... ... ·03		Standard Round of Beam $= \dfrac{B \times 12}{50} =$
Sheathing on exposed deck $T\left(\dfrac{L-S}{L}\right) =$	(b) Where D is less than Table depth (if allowed) (Table depth — D) R =	Ship's Round of Beam $=$
		Difference
		Restricted to
Depth for Freeboard (D) = 26·78.	If restricted by superstructures	Correction $= \dfrac{\text{Diff}^e}{4} \times \left(1 - \dfrac{S_1}{L}\right) =$

DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S₁)	Height	Height Correction	Effective Length (E)
Poop enclosed	33·16	33·16	7·75		33·16
„ overhang... ...	·				
R.Q.D. enclosed ...					
„ overhang ...					
Bridge enclosed... ...	119·00	119·00	·		119·00
„ overhang aft ...	3·00	2·25			2·25
„ overhang forward					
F'cle enclosed	30·50	30·50	·		30·50
„ overhang					
Trunk aft					
„ forward ...					
Tonnage opening aft ...					
„ „ forward					
Total	185·66	184·91			184·91

Standard Height of Superstructure 7·1

„ „ R.Q.D.

Deduction for complete superstructure 39·33

Percentage covered $\dfrac{S}{L} =$ 51·57 %

„ „ $\dfrac{S_1}{L} =$ 51·36 %

„ „ $\dfrac{E}{L} =$ 51·36 %

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

Percentage from Table, Line B. 37·36 (corrected for absence of forecastle (if required))

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

Deduction = 39·33 × ·3736 = 14·69

SHEER CORRECTION.

Station	Standard Ordinate	S M	Product	Actual Ordinate	Effective Ordinate	S M	Product
A.P.	46·00	1	46·00	48·00	48·00	1	48·00
from A.P. ...	20·47	4	81·88	21·33	21·33	4	85·32
...	5·06	2	10·12	5·33	5·33	2	10·66
		4				4	
		2	20·24	11·33	11·33	2	22·66
		4	163·76	45·33	45·33	4	181·32
		1	92·00	102·00	102·00	1	102·00
			414·00				449·96

between sums of products $\dfrac{}{18}$ $\left(\cdot 75 - \dfrac{S}{2L}\right) = \dfrac{35.96}{18}\ (\cdot 75 - \cdot 2578) = -\cdot 98.$

ship superstructure.

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

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

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

$\dfrac{\text{Length of enclosed superstructure}}{L}$ forward of amidships $=$ 7·1

„ „ aft of „ $=$ 7·1

Deduction for Fresh Water.

Displacement in salt water at summer load water line

_____ inch immersion at _____ water line

TABULAR FREEBOARD corrected for Flush Deck

Correction for coefficient $\dfrac{704.68}{1.36}$

Depth Correction	
Deduction for superstructures	
Sheer correction	
Round of Beam correction... ...	
Correction for Thickness of Deck an_	
Other corrections, scantlings, etc.	

se to top of De

... 11_
... 5½
... 5
... 6
... _