Rpt. C.11 (Comp.)

STEAMER

LLOYD'S REGISTER OF SHIPPING
UNITED WITH THE BRITISH CORPORATION REGISTER

SURVEYS FOR FREEBOARD
(COMPUTATION FOR STEAMER, ~~SAILING SHIP, TANKER~~)

Ship's Name	Official Number	Nationality and Port of Registry	Gross Tonnage	Date of Build
GENEYE				
ex Californian Standard				

Port of Survey _____

Date ~~of Survey~~ 11.8.55.

Surveyor's Signature _____

Moulded Dimensions : Length 572   Breadth 67'-11"   Depth 39'-5¼

Freeboard Length 572

Moulded displacement at moulded draught = 85 per cent. of moulded depth (excluding bossing)   27110 (extd) tons

Coefficient of fineness for use with Tables   ·814

Particulars of Classification +100A1
C ϕ1½

DEPTH FOR FREEBOARD (D).

Moulded depth	39.44
Stringer plate	·07
Wood Sheathing on exposed deck $T\left(\dfrac{L-S}{L}\right)=$	—
Depth for Freeboard (D) =	39.51

DEPTH CORRECTION.

(a) Where D is greater than Table depth
(D—Table depth) R =
$(39.51 - 24.13)\dfrac{3}{5.38} = +16.14''$

(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)		67.92
Standard Round of Beam = $\dfrac{B \times 12}{50}$	=	16.30
Ship's Round of Beam	=	16.75
Difference		·45
Restricted to		
Correction = $\dfrac{Diff^\circ}{4} \times \left(1 - \dfrac{S_1}{L}\right)$	$= \dfrac{·45}{4} \times ·8329$	$= -·09''$

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	39.31	39.31			39.31
" overhang aft ...	2.50	1.87			1.87
" overhang forward ...					
F'cle enclosed	44.37	44.37			44.37
" overhang ...					
Trunk aft					
" forward ...					
Tonnage opening aft ...					
" " forward...					
Total	86.18 / 85.55				85.55

Standard Height of Superstructure   7·5

" " R.Q.D.   —

Deduction for complete superstructure   42

Percentage covered $\dfrac{S}{L}$ = 16.83

" " $\dfrac{S_1}{L}$ = 16.71   41.18

" " $\dfrac{E}{L}$ = 16.71

Percentage from Table, Line A.   8.36
(corrected for absence of forecastle (if required))

Percentage from Table, Line B.   10.60   ·90
(corrected for absence of forecastle (if required))   —

Interpolation for bridge less than ·2L (if required) $8.36 + \dfrac{2.24}{·2} \times ·804$

Deduction = $42 \times ·09/26 = -5.89$

SHEER CORRECTION.

Station	Standard Ordinate	S M	Product	Actual Ordinate	Effective Ordinate	S M	Product
A.P.		1				1	
¼L from A.P. ...		4				4	
½L " ...		2				2	
Amidships ...	O	4	O	O	O	4	O
½L from F.P. ...		2				2	
¼L " ...		4				4	
F.P.		1				1	
Total ...							

Mean actual sheer aft
────────────────── =
Mean standard sheer aft

Mean actual sheer forward
────────────────── =
Mean standard sheer forward

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

" " " aft of " =

Correction = $\dfrac{\text{Difference between sums of products}}{18}\left(·75 - \dfrac{S}{2L}\right)=$ +8·20   If limited to maximum allowance of 1½ ins. per 100ft.

If limited on account of midship superstructure.

Deduction for Tropical Freeboard.
Addition for Winter and Winter North Atlantic Freeboard.

	Ft.
Depth to Freeboard Deck =	39·51
Summer freeboard =	11·37
Moulded draught (d) =	28·14
Keel allowance	
Extreme draught	
Deduction for Tropical freeboard and addition for =	
Winter freeboard = $\dfrac{d}{4}$ inches =	
Addition for Winter North Atlantic Freeboard (if required)=	

Deduction for Fresh Water.

Displacement in salt water at summer load water line
△ =

Tons per inch immersion at summer load water line
T =

Deduction = $\dfrac{\triangle}{40\ T}$ inches

TABULAR FREEBOARD ~~corrected for Flush Deck~~ (if required)   105.78

Correction for coefficient   1.494/1.36   116.21

	+	−	
Depth Correction	16·14		AR
Deduction for superstructures		3.89	11.8.55
Sheer correction	8·20		
Round of Beam correction ...		·09	
Correction for Thickness of Deck amidships ...			
Other corrections, scantlings, etc. ...			
	24·343·98	+20·36	

Summer Freeboard 13657
11'-4½

18" diff

SUMMER 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 "	...

2m,7,54. T.

Ship Research informed 11.8.55