

29 SEP 1942

OCEAN VISTA
No. 36951

ETC.

Lloyd's Register of Shipping.

Index. No. 36988
(For London Office only).

SURVEYS FOR FREEBOARD.

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

F23

Ship's Name "OCEAN VISCOUNT"	Official Number Not yet issued 165840	Nationality and Port of Registry BRITISH LONDON Newcastle 7/6/43	Gross Tonnage 7174	Date of Build 1942	Port of Survey RICHMOND, CALIFORNIA
Moulded Dimensions: Length 417.35 Breadth 56.90 Depth 37.33 TO CENTRE OF RUDDER STOCK.					Date of Survey MAY 30th, 1942
Moulded displacement at moulded draught = 85 per cent. of moulded depth 16556 tons					Surveyor's Signature J. B. Coombs & Rennie
Coefficient of fineness for use with Tables .769					Particulars of Classification +100 A1 With Freeboard (contemplated)

Depth for Freeboard (D).	Depth correction.	Round of Beam correction.
Moulded depth ... 37.33	(a) Where D is greater than Table depth (D—Table depth) R=	Moulded Breadth (B) 56.90
Stringer plate .62"05	(37.38 - 27.82) x 3 = + 28.68 ✓	Standard Round of Beam = $\frac{B \times 12}{50}$ = 13.66
Sheathing on exposed deck $T \left(\frac{L-S}{L} \right) =$ ✓	(b) Where D is less than Table depth (if allowed) (Table depth—D) R= ✓	Ship's Round of Beam = 14.00 ✓
Depth for Freeboard (D) = 37.38	If restricted by superstructures ✓	Difference .34 ✓
		Restricted to ✓
		Correction = $\frac{\text{Diff}^o}{4} \times \left(1 - \frac{S_1}{L} \right) = \frac{.34}{4} = -.09$ ✓

DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	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 _____
" " R.Q.D. _____

Deduction for complete superstructure _____

Percentage covered $\frac{S}{L} =$)
" " $\frac{S_1}{L} =$) NIL ✓
" " $\frac{E}{L} =$)

Percentage from Table, Line A.
(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 = NIL ✓

SHEER CORRECTION.

Station	Standard Ordinate	S	M	Product	Actual Ordinate	Effective Ordinate	S	M	Product
A.P. ...	51.73	1		51.73	53.00	53.00	1		53.00
%L from A.P. ...	23.02	4		92.08	23.12	23.12	4		92.48
%L " ...	5.69	2		11.38	5.12	5.12	2		10.24
Amidships ...	--	4		--	--	--	4		--
%L from F.P. ...	11.38	2		22.76	11.75	11.75	2		23.50
%L " ...	46.04	4		184.16	47.37	47.37	4		189.48
F.P. ...	103.47	1		103.47	104.75	104.75	1		104.75
Total ...				465.58					473.45

Mean actual sheer aft =)
Mean standard sheer aft =) EXCESS ✓

Mean actual sheer forward =)
Mean standard sheer forward =)

Length of enclosed superstructure forward of amidships =)
L =) NIL ✓

" " aft of " =)

Correction = $\frac{\text{Difference between sums of products}}{18} \left(.75 - \frac{S}{2L} \right) = \frac{7.87}{18} \times .75 = -.33$ ✓
If limited on account of midship superstructure. ✓

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

Deduction for Tropical Freeboard.	Deduction for Fresh Water.	TABULAR FREEBOARD
Addition for Winter and Winter North Atlantic Freeboard.	Displacement in salt water at summer load water line	76.95 + 6.26 corrected for Flush Deck (if required) 83.21
Ft.	Δ = 13758 ✓	Correction for coefficient: $\frac{.769 + .68}{1.36} = \frac{1.449}{1.36} =$ 88.66 ✓
Depth to Freeboard Deck = 37.38	Tons per inch immersion at summer load water line	
Summer freeboard = 10.54	T = 48.5 ✓	Depth Correction ... 28.68
Moulded draught (d) = 26.84 ✓	Deduction = $\frac{\Delta}{40T}$ inches	Deduction for superstructures33
Deduction for Tropical freeboard and addition for Winter freeboard = $\frac{d}{4}$ inches = 6.71 = 6¾" ✓	= 7.09 ✓	Sheer correction09
Addition for Winter North Atlantic Freeboard (if required) = ✓	= 7" ✓	Round of Beam correction09
		Correction for Thickness of Deck amidships ...
		Other corrections, scantlings, etc. to correspond to a summer moulded draught of 26'10" (26'10 1/8" actual) 9.58
		38.26 .42 + 37.84 ✓
		Summer Freeboard = 126.50

SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, W66 Steel, Deck:—

Tropical Fresh Water Line above Centre of Disc ...	13 3/4"	Tropical Fresh Water Freeboard ...	9' 4 3/4"
Fresh Water Line " " ...	7"	Fresh Water " " ...	9' 11 1/2"
Tropical Line " " ...	6 3/4"	Tropical " " ...	9' 11 3/4"
Winter Line below " " ...	6 3/4"	Winter " " ...	11' 11 1/4"
Winter North Atlantic Line " " ...	"	Winter North Atlantic " " ...	"

A new form should be prepared if any alterations that affect the freeboard have been made. If no such alterations have been made, the Surveyor should endorse the form on this side with his signature and the date.

J. Rannie
May 30th 1942

20007

Trade of ship..... INTERNATIONAL

Names of sister ships..... This vessel is the 23rd of thirty sister ships Nos. 1 - 30, to be built by Todd-California Shipbuilding Division of The Permanente Metals Corporation.

Builder's name and yard number..... Todd-California Shipbuilding Division of The Permanente Metals Corporation - No. 23

Owners H. M. GOVERNMENT IN THE UNITED KINGDOM

Fee & To be charged in London
\$ 100.00



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