

CLOSED CONDITION.

For LONDON OFFICE ONLY

LLOYD'S REGISTER OF SHIPPING

UNITED WITH THE BRITISH CORPORATION REGISTER

SURVEYS FOR FREEBOARD

(COMPUTATION FOR STEAMER, SAILING SHIP, TANKER)

Received
 Index No.
 Govt. Copy
 Owners C11

Ship's Name PARNASOS EX. BUCCINUM.	Official Number	Nationality and Port of Registry	Gross Tonnage	Date of Build 1937
Moulded Dimensions: Length 494.99 Breadth 67.0 Depth 34.15	Port of Survey			
Freeboard Length 496.25 to E. ofudder stack	Date of Survey 10-11-58			
Moulded displacement at moulded draught = 85 per cent. of moulded depth	Surveyor's Signature			
Coefficient of fineness for use with Tables .774	Particulars of Classification <i>Previously a tanker now being converted to dry cargo carrier.</i>			

DEPTH FOR FREEBOARD (D).		DEPTH CORRECTION.	
Moulded depth ...	34.15	(a) Where D is greater than Table depth (D-Table depth) R =	(34.29 - 33.98) 31 = +3.63
Stringer plate ...	1.63	(b) Where D is less than Table depth (if allowed) (Table depth-D) R =	
Wood Sheathing on exposed deck		If restricted by superstructures	<input checked="" type="checkbox"/>
$T \left(\frac{L-S}{L} \right) =$			
Depth for Freeboard (D) =	34.29		

ROUND OF BEAM CORRECTION.	
Moulded Breadth (B)	67.0
Standard Round of Beam = $\frac{B \times 12}{50}$	16.08
Ship's Round of Beam	16.14
Difference	.06
Restricted to	.06
Correction = $\frac{\text{Diff.}}{4} \times \left(1 - \frac{S_1}{L} \right)$	-.01

DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	Height Correction	Effective Length (E)
Poop enclosed <i>Equi.</i>	123.12	123.12	8.0	✓	123.12
" overhang	2.39	1.19			1.19
R.Q.D. enclosed					
" overhang					
Bridge enclosed	38.32	38.32	7.25	$\frac{7.25}{7.5}$	37.04
" overhang aft	2.39	1.79			1.79
" overhang forward	.66	.33			.33
Table enclosed <i>Equi.</i>	42.03	42.03	7.51	✓	42.03
" overhang					
Trunk aft					
" forward					
Tonnage opening aft					
" forward					
Total	208.91	206.78			205.43

Standard Height of Superstructure **7.5**

" " R.Q.D. **4.2**

Deduction for complete superstructure

Percentage covered $\frac{S}{L} = 42.10$ ✓

" " $\frac{S_1}{L} = 41.67$ ✓

" " $\frac{E}{L} = 41.40$ ✓

Percentage from Table, Line A. **24.69** ✓

(corrected for absence of forecastle (if required))

Percentage from Table, Line B. **28.69** ✓

(corrected for absence of forecastle (if required))

Interpolation for bridge less than .2L (if required) **24.69 + (.0788 x 4)**

Deduction = **42 x .2627 = 11.03** ✓ = **26.27** ✓

SHEER CORRECTION.

Station	Standard Ordinate	S	M	Product	Actual Ordinate	Effective Ordinate	S	M	Product
A.P.	59.62	1			57.80	63.80	1		63.80
$\frac{1}{4}L$ from A.P.	26.53	4			26.89	27.51	4		110.04
$\frac{3}{8}L$ "	6.56	2			3.19	3.19	2		6.38
Amidships	0	4	0	0	0	0	4	0	0
$\frac{3}{8}L$ from F.P.	13.12	2			13.39	13.39	2		26.78
$\frac{1}{4}L$ "	53.06	4			52.28	52.28	4		209.12
F.P.	119.25	1			118.90	118.90	1		118.90
Total				536.59					535.02

Mean actual sheer aft = **Deficient**

Mean standard sheer aft = **Deficient**

Mean actual sheer forward = **Deficient**

Mean standard sheer forward = **Deficient**

Length of enclosed superstructure forward of amidships = **Deficient**

" " aft of " = **Deficient**

Actual height of superstructure = 8.0

Standard " = 7.5

Diff. = .5 (6")

Correction = $\frac{\text{Difference between sums of products}}{18} \left(\frac{S}{2L} \right) = \frac{1.57}{18} \left(\frac{539.5}{210.5} \right) = +.05$ ✓

If limited to maximum allowance of 1 1/2 ins. per 100ft.

Deduction for Tropical Freeboard.

Addition for Winter and Winter North Atlantic Freeboard.

Depth to Freeboard Deck = **34.29**

Summer freeboard = **8.40**

Moulded draught (d) = **25.89**

Keel allowance =

Extreme draught =

Deduction for Tropical freeboard and addition for =

Winter freeboard = $\frac{d}{4}$ inches =

Addition for Winter North Atlantic Freeboard (if required) =

Deduction for Fresh Water.

Displacement in salt water at summer load water line

$\Delta =$

Tons per inch immersion at summer load water line

T =

Deduction = $\frac{\Delta}{40 T}$ inches

TABULAR FREEBOARD - corrected for Flush Deck (if required)

Correction for coefficient $\frac{774+.68}{136} = \frac{1.05}{1.36}$ ✓

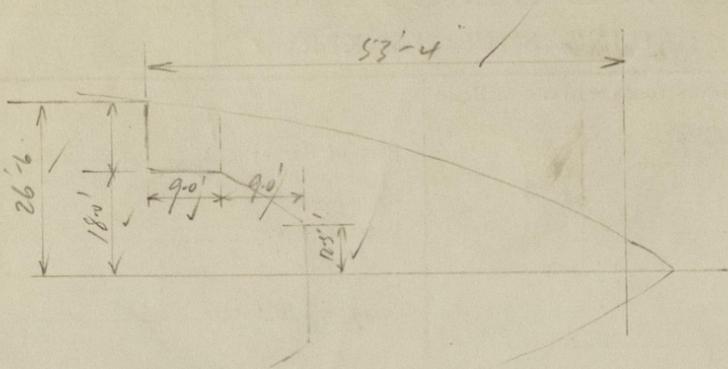
	+	-
Depth Correction	3.63	
Deduction for superstructures		11.03
Sheer correction	.05	
Round of Beam correction		.01
Correction for Thickness of Deck amidships		
Other corrections, scantlings, etc.		
	3.68	11.02

Summer Freeboard = **100.81** ✓

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	"

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.



$$\begin{aligned} \text{Length at Side} &= 53.33' \checkmark \\ \frac{(18 \times 9) + (12.5 \times 9) + \left(\frac{9 \times 5.5}{2}\right)}{26.5} &= 11.30' \checkmark \\ &= 42.03' \text{ Equiv length.} \end{aligned}$$

Prop closed by Class I. appliances.

$$\begin{aligned} \text{Length at Side} &= 121.95' \\ \frac{L}{6} &= \frac{496.25}{6} = \frac{82.71}{39.24} \checkmark \end{aligned}$$

$$\text{Sheer at AP} = 57.80 + 6'' = 63.80''$$

$$\text{Sheer at } \frac{L}{6} = 26.89 + 6 \times \left(\frac{39.24}{121.95}\right) \checkmark$$

$$26.89 + .62 = 27.51'' \checkmark$$

Trade of ship

Names of sister ships

Builder's name and yard number

Owners

Fee £ : :

List of plans forwarded for reference. (See "Instructions to Surveyors, Part 4, 1950," paragraph 11.)



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