

*Proposed lengthening
to 570 and steamer*

For LONDON OFFICE ONLY

LLOYD'S REGISTER OF SHIPPING

SURVEYS FOR FREEBOARD

(COMPUTATION FOR STEAMER, SAILING SHIP, TANKER)

Received
Index No.
Govt. Copy
Owners C11

Ship's Name HOLLYWOOD	Official Number	Nationality and Port of Registry	Gross Tonnage	Date of Build	Port of Survey
Moulded Dimensions: Length 570'	Breadth 69.5	Depth 40.56			Date of Survey 15.1.60
Freeboard Length 570'					Surveyor's Signature
Moulded displacement at moulded draught = 85 per cent. of moulded depth (excluding bossing)					Particulars of Classification + 1007A1
Coefficient of fineness for use with Tables Say .80					normal construction

DEPTH FOR FREEBOARD (D).		DEPTH CORRECTION.		ROUND OF BEAM CORRECTION.	
Moulded depth ...	40.56	(a) Where D is greater than Table depth $(D - \text{Table depth}) R = \dots$	$(40.63 - 38) \times 3 = +7.89"$	Moulded Breadth (B)	
Stringer plate ...	07	(b) Where D is less than Table depth (if allowed) (Table depth - D) R =	2.13	Standard Round of Beam = $\frac{B \times 12}{50} =$	
Wood Sheathing on exposed deck	-	If restricted by superstructures	-	Ship's Round of Beam =	
$T \left(\frac{L-S}{L} \right) =$				Difference	
Depth for Freeboard (D) = 40.63				Restricted to	
				Correction = $\frac{\text{Diff}^e}{4} \times \left(1 - \frac{S_1}{L} \right) =$	$\frac{1.45 \times 68.55}{4} = 2.50$

DEDUCTION FOR SUPERSTRUCTURES.					Standard Height of Superstructure 7.5
	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					179.26

Standard Height of Superstructure **7.5**
" " R.Q.D. **42**
Deduction for complete superstructure **42**
Percentage covered $\frac{S}{L} =$ **.0692**
" " $\frac{S_1}{L} =$ **31.45**
" " $\frac{E}{L} =$
Percentage from Table, Line A. **16.23**
(corrected for absence of forecastle (if required))
Percentage from Table, Line B. **20.23**
(corrected for absence of forecastle (if required))
Interpolation for bridge less than .2L (if required) **$4 \times \frac{.0692}{2} = 1.384$**
Deduction = **$42 \times 17.61 = -7.39$**

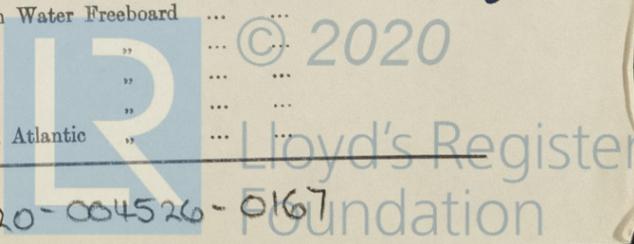
SHEER CORRECTION.							
Station	Standard Ordinate	S	Product	Actual Ordinate	Effective Ordinate	S	Product
A.P.	67.	1				1	36.75
$\frac{1}{4}L$ from A.P.		4		0 Say		4	
$\frac{2}{4}L$ "		2				2	
Amidships	○	4	○	○	○	4	○
$\frac{2}{4}L$ from F.P.		2				2	
$\frac{1}{4}L$ "		4		0 Say		4	
F.P.		1				1	72.01
Total			603				108.75

Correction = $\frac{\text{Difference between sums of products}}{18} \left(.75 - \frac{S}{2L} \right) =$ **$\frac{495(-.75 - .1572)}{18} = +16.3$**
If limited on account of midship superstructure. **59.28** If limited to maximum allowance of $1\frac{1}{4}$ ins. per 100ft.

Deduction for Tropical Freeboard.	Deduction for Fresh Water.	TABULAR FREEBOARD corrected for Flush Deck (if required)
Addition for Winter and Winter North Atlantic Freeboard.	Displacement in salt water at summer load water line	Correction for coefficient 1.48/1.36
Depth to Freeboard Deck = 40.63	$\Delta =$	Depth Correction ... 7.89
Summer freeboard = 41.42	Tons per inch immersion at summer load water line	Deduction for superstructures ... 7.39
Moulded draught (d) = 28.88	T =	Sheer correction ... 16.30
Keel allowance =	Deduction = $\frac{\Delta}{40 T}$ inches	Round of Beam correction20
Extreme draught =		Correction for Thickness of Deck amidships ...
Deduction for Tropical freeboard and addition for =		Other corrections, scantlings, etc. ...
Winter freeboard = $\frac{d}{4}$ inches =		24.19 7.59 +16.60
Addition for Winter North Atlantic Freeboard (if required) =		Summer Freeboard = 149.15

SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, ~~W~~ 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.

25865

$79.5 \times 69.5 \times 40.56 \times 85$
35

570
490.5
79.5

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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Foundation