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(For London Office only).

# Lloyd's Register of Shipping.

## SURVEYS FOR FREEBOARD.

(COMPUTATION FOR STEAMER, SAILING SHIP, TANKER.)

Ship's Name **EVAN GIBB** Official Number **181645** Nationality and Port of Registry **BRITISH LONDON** Gross Tonnage **4255** Date of Build **1915**

Port of Survey **PORTSMOUTH**

Date of Survey **5.11.46 - 3.6.47**

Surveyor's Signature **H. B. Rogers**

Particulars of Classification

Moulded Dimensions: Length **323.25** Breadth **54.0** Depth **27.0**

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

Coefficient of fineness for use with Tables **.91 (ASSUMED)**

Depth for Freeboard (D).		Depth correction.		Round of Beam correction.	
Moulded depth	27.0	(a) Where D is greater than Table depth (D - Table depth) R =		Moulded Breadth (B)	54.00
Stringer plate	.03	(27.03 - 21.55) 2.486 =	+13.62	Standard Round of Beam = $\frac{B \times 12}{50}$	12.96
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	NIL
Depth for Freeboard (D) =	27.03	If restricted by superstructures	✓	Difference	12.96
				Restricted to	
				Correction = $\frac{\text{Diff}}{4} \times \left( 1 - \frac{S_1}{L} \right)$	$\frac{12.96}{4} = 3.24$

## DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S <sub>1</sub> )	Height	Height Correction	Effective Length (E)
Poop enclosed ...					
.. overhang ...					
R.Q.D. enclosed ...					
.. overhang ...					
Bridge enclosed ...					
.. overhang aft ...					
.. overhang forward ...					
Fore enclosed ...					
.. overhang ...					
Trunk aft ...					
.. forward ...					
Tonnage opening aft ...					
.. forward ...					
Total ...					

Standard Height of Superstructure

" " R.Q.D.

Deduction for complete superstructure

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

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. ...	42.325	1	✓	42.32	27.60	27.50	1	27.50	
1/4 L from A.P. ...	18.835	4	✓	75.34	13.25	13.25	4	53.00	
1/2 L " ...	4.655	2	✓	9.31	-	-	2		
Amidships ...	-	4	-	-	-	-	4	-	
3/4 L from F.P. ...	9.31	2	✓	18.62	-	-	2		
3/4 L " ...	37.67	4	✓	150.68	-	-	4		
F.P. ...	84.65	1	✓	84.65	35.38	35.38	1	35.38	
Total ...			✓	380.92				115.88	

Mean actual sheer aft =

Mean standard sheer aft =

Mean actual sheer forward =

Mean standard sheer forward =

Length of enclosed superstructure forward of amidships =

" " aft of " =

Correction =  $\frac{\text{Difference between sums of products}}{18} \left( \frac{.75 - S}{2L} \right) = \frac{266.04}{18} \times .75 = +11.04$

If limited on account of midship superstructure.

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

Deduction for Tropical Freeboard.

Addition for Winter and Winter North Atlantic Freeboard.

Depth to Freeboard Deck = 27.03

Summer freeboard = 15.02

Moulded draught (d) = 12.01

Deduction for Tropical freeboard and addition for

Winter freeboard =  $\frac{d}{4}$  inches = 3.0 = 3"

Addition for Winter North Atlantic Freeboard (if required) = 3" + 2" = 5"

Deduction for Fresh Water.

Displacement in salt water at summer load water line

Δ =

Tons per inch immersion at summer load water line

T =

Deduction =  $\frac{\Delta}{40T}$  inches=  $\frac{d}{4} = 3"$ 

TABULAR FREEBOARD corrected for Flush Deck (if required)

Correction for coefficient

Depth Correction ...

Deduction for superstructures ...

Sheer correction ...

Round of Beam correction ...

Correction for Thickness of Deck amidships ...

Other corrections, scantlings, etc. Corrected mean

to a summer moulded draught of 12'-0" (12'-0 1/8" Actual)

Summer Freeboard = 180.25

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

Tropical Fresh Water Line above Centre of Disc	...	15'-0 1/4"
Fresh Water Line	...	14'-6 1/4"
Tropical Line	...	14'-9 1/4"
Winter Line	...	15'-3 1/4"
Winter North Atlantic Line	...	15'-5 1/4"

Tropical Fresh Water Freeboard ...

Fresh Water

Tropical

Winter

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.

put

Trade of ship.....

Names of sister ships LST (3)

Builder's name and yard number EX LST (3) 3037

Owners THE WAR OFFICE

Fee £ .....

*[Handwritten mark]*



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