Rpt. C.11 (Comp.).

Omission of bridge

Lloyd's Register of Shipping.
SURVEYS FOR FREEBOARD.
(COMPUTATION FOR STEAMER, SAILING SHIP, TANKER.)

Ship's Name	Official Number	Nationality and Port of Registry	Gross Tonnage	Date of Build
Henning Maersk	Enquiry for Mr A P Möller			

Port of Survey _____

Date of Survey _____ 6/10/37

Surveyor's Signature _____

Particulars of Classification _____

Moulded Dimensions: Length _____ Breadth _____ Depth _____

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

Coefficient of fineness for use with Tables _____

Depth for Freeboard (D).	Depth correction.	Round of Beam correction.

Depth for Freeboard (D).

Moulded depth ... ...

Stringer plate ... ...

Sheathing on exposed deck $T\left(\frac{L-S}{L}\right) =$

Depth for Freeboard (D) = 35.90

Depth correction.

(a) Where D is greater than Table depth (D−Table depth) R = +11.70

(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)

Standard Round of Beam $= \frac{B \times 12}{50} =$

Ship's Round of Beam =

Difference

Restricted to

Correction $= \frac{Diff^o}{4} \times \left(1 - \frac{S_1}{L}\right) =$

DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S₁)	Height	Height Correction	Effective Length (E)
Poop enclosed	98.23	98.23	7.67		
„ overhang	5.25	2.62			
R.Q.D. enclosed					
„ overhang					
Bridge enclosed					
„ overhang aft ...					
„ overhang forward					
F'cle enclosed	37.04	37.04	7.50		
„ overhang					
Trunk aft					
„ forward					
Tonnage opening aft ...					
„ „ forward					
Total	140.52	137.89			

Standard Height of Superstructure 7.5'

„ „ R.Q.D.

Deduction for complete superstructure 42.0"

Percentage covered $\frac{S}{L} =$ 29.28

„ „ $\frac{S_1}{L} =$ 28.73

„ „ $\frac{E}{L} =$

Percentage from Table, Line A. (corrected for absence of forecastle (if required)) 20.11

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

Interpolation for bridge less than ·2L (if required)

Deduction = 42.00 × ·2011 = 8.45

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	
⅜L „		2				2	
Amidships ...		4				4	
⅜L 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

Length of enclosed superstructure / L forward of amidships =

„ „ aft of „ =

Correction $= \frac{\text{Difference between sums of products}}{18} \left(·75 - \frac{S}{2L}\right) = \frac{214.52}{18} (·75 - ·1464) = +7.20$

If limited on account of midship superstructure. If limited to maximum allowance of 1½ ins. per 100 ft.

6036

Deduction for Tropical Freeboard. Addition for Winter and Winter North Atlantic Freeboard.	Deduction for Fresh Water.	TABULAR FREEBOARD corrected for Flush Deck (if required)		

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

Ft.

Depth to Freeboard Deck =

Summer freeboard = _____

Moulded draught (d) = _____

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

△ =

Tons per inch immersion at summer load water line

T =

Deduction $= \frac{\triangle}{40 \, T}$ inches =

TABULAR FREEBOARD corrected for Flush Deck (if required)

	+	−
Correction for coefficient		90.06
Depth Correction	11.70	
Deduction for superstructures ...		8.45
Sheer correction	7.20	
Round of Beam correction		·01
Correction for Thickness of Deck amidships		
Other corrections, scantlings, etc.		·46
	18.90	8.05
		+10.44
Summer Freeboard =	100.50	

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

+ 4" on flat
3½

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	„	„	

10m 3.37. T.

0003341-0003348-0158