

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

Ship's Name <i>Yellin</i> <i>Barndy</i>	Official Number	Nationality and Port of Registry	Gross Tonnage	Date of Build	Port of Survey _____ Date of Survey <i>14.6.49</i> Surveyor's Signature _____ Particulars of Classification _____
Moulded Dimensions: Length <i>52.46</i> Breadth <i>64</i> Depth <i>36.88</i> <i>met</i>					
Moulded displacement at moulded draught = 85 per cent. of moulded depth _____ tons					
Coefficient of fineness for use with Tables <i>825</i>					

DEPTH FOR FREEBOARD (D). Moulded depth <i>36.88</i> Stringer plate <i>0.06</i> Sheathing on exposed deck $T \left(\frac{L-S}{L} \right) =$ _____ Depth for Freeboard (D) = <i>36.94</i>	DEPTH CORRECTION. (a) Where D is greater than Table depth (D-Table depth) R = <i>36.94 - 36.88 \times 2 = +.33</i> (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 = $\frac{\text{Diff}}{4} \times \left(1 - \frac{S_1}{L} \right) =$ _____
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DEDUCTION FOR SUPERSTRUCTURES.				
	Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	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 $\frac{S}{L} =$ _____

„ „ $\frac{S_1}{L} =$ _____

„ „ $\frac{E}{L} =$ _____

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 = *-13.02*

SHEER CORRECTION.							
Station	Standard Ordinate	S M	Product	Actual Ordinate	Effective Ordinate	S M	Product
A.P.		1				1	
$\frac{1}{4}$ L from A.P.		4				4	
$\frac{3}{4}$ L „		2				2	
Amidships		4				4	
$\frac{3}{4}$ L from F.P.		2				2	
$\frac{1}{4}$ L „		4				4	
F.P.		1				1	
Total							

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

If limited on account of midship superstructure. _____

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 „ = _____

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

Deduction for Tropical Freeboard. Addition for Winter and Winter North Atlantic Freeboard. Depth to Freeboard Deck = <i>36.94</i> Ft. Summer freeboard = <i>8.28</i> Moulded draught (d) = <i>28.86</i> 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 <i>1.505/1.36</i> Depth Correction <i>33</i> Deduction for superstructures <i>13.02</i> Sheer correction _____ Round of Beam correction _____ Correction for Thickness of Deck amidships _____ Other corrections, scantlings, etc. _____ Summer Freeboard = <i>99.12</i> <i>109.67</i> <i>8.08</i> <i>96.98</i>
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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 „ „