

13041

DEDUCTION FOR SUPERSTRUCTURES.

RES.

Standard Height of Superstructure	6.00'
" " R.Q.D.	3.558'
Deduction for complete superstructure	24.37"
Percentage covered $\frac{S}{L} =$	53.37 ✓
" " $\frac{S_1}{L} =$	} 52.81 ✓
" " $\frac{E}{L} =$	
Percentage from Table, Line A.	35.93
(corrected for absence of forecastle (if required))	
Percentage from Table, Line B.	
(corrected for absence of forecastle (if required))	✓
Interpolation for bridge less than $\cdot 2L$ (if required)	✓
Deduction =	$24.37 \times .3593 = 8.76"$ ✓

Station	Standard Ordinate	S M	Product	Actual Ordinate	Effective Ordinate	S M	Product
A.P. ...	28.37	1	28.37	25"	25.00	1	25.00
$\frac{1}{8}$ L from A.P. ...	12.625	4	50.50	11.9"	11.90	4	47.60
$\frac{2}{8}$ L " ...	3.12	2	6.24	2.4"	2.40	2	4.80
Amidships ...	-	4	-	-	-	4	-
$\frac{2}{8}$ L from F.P. ...	6.24	2	12.48	6.25"	6.25	2	12.50
$\frac{1}{8}$ L " ...	25.25	4	101.00	25.2"	25.20	4	100.80
F.P. ...	56.75	1	56.75	56.3"	56.30	1	56.30
Total ...			255.34				247.00

$\frac{\text{Length of enclosed superstructure}}{L}$ forward of amidships =
aft of " =

Total ... 255.34 271.00
 Correction = $\frac{\text{Difference between sums of products}}{18} \left(.75 - \frac{S}{2L} \right) = \frac{8.34}{18} \times \frac{.75 - .2668}{.4832} = +.22$
 If limited on account of midship superstructure. If limited to

If limited on account of midship superstructure. ✓																											
Deduction for Tropical Freeboard. Addition for Winter and Winter North Atlantic Freeboard.	Deduction for Fresh Water. Displacement in salt water at summer load water line $\Delta = 1687 \text{ tonnes}$ Tonnes per inch immersion at summer load water line $T = 4.67$	TABULAR FREEBOARD <small>corrected for Flush Deck (if required)</small> Correction for coefficient $\frac{.692 + .680}{1.36} = \frac{1.372}{1.36}$	20.40 ✓ <hr/> 20.58 ✓																								
Depth to Freeboard Deck = 15.28 Ft. Summer freeboard = 1.35 Moulded draught (d) = 13.93	$\Delta = 1687 \text{ tonnes}$ $T = 4.67$ Deduction = $\frac{\Delta}{40 T}$ inches $= 3.56''$ $= 3 \frac{1}{2}''$ $= 89 \text{ mm}$	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%;"></th> <th style="width: 25%; text-align: center;">+</th> <th style="width: 25%; text-align: center;">-</th> </tr> <tr> <td>Depth Correction</td> <td style="text-align: center;">4.28</td> <td style="text-align: center;">-</td> </tr> <tr> <td>Deduction for superstructures</td> <td style="text-align: center;">-</td> <td style="text-align: center;">8.76</td> </tr> <tr> <td>Sheer correction</td> <td style="text-align: center;">.22</td> <td style="text-align: center;">-</td> </tr> <tr> <td>Round of Beam correction</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> </tr> <tr> <td>Correction for Thickness of Deck amidships ...</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> </tr> <tr> <td>Other corrections, scantlings, etc.</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> </tr> <tr> <td></td> <td style="text-align: center;">4.50</td> <td style="text-align: center;">8.76</td> </tr> </table>		+	-	Depth Correction	4.28	-	Deduction for superstructures	-	8.76	Sheer correction22	-	Round of Beam correction	-	-	Correction for Thickness of Deck amidships ...	-	-	Other corrections, scantlings, etc.	-	-		4.50	8.76	<div style="font-size: 2em; margin-bottom: 10px;">80.6</div> <div style="font-size: 1.5em;">13.3"</div> <hr/> -4.26 ✓
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Deduction for Tropical freeboard and addition for Winter freeboard = $\frac{d}{4}$ inches = $3.48 = 3 \frac{1}{2}''$ $= 89 \text{ mm}$	$= 3 \frac{1}{2}''$ $= 89 \text{ mm}$	Summer Freeboard = 16.32 ✓	Addition for Winter North Atlantic Freeboard (if required) = $5 \frac{1}{2}'' = 140 \text{ mm}$ ✓																								

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

Tropical Fresh Water Line above Centre of Disc	...	7" = 178	Tropical Fresh Water Freeboard	...	0 - 94 = 200
Fresh Water Line	"	3 1/2" = 89	Fresh Water	"	1 - 03 1/4 = 324
Tropical Line	"	3 1/2" = 89	Tropical	"	1 - 03 1/4 = 324
Winter Line below	"	3 1/2" = 89	Winter	"	1 - 13 1/4 = 502
Winter North Atlantic Line	"	5 1/2" = 140	Winter North Atlantic	"	1 - 93 1/4 = 553

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.

Bridge equiv.

$$\begin{array}{r} 40.67 \\ 2\frac{1}{2} \times 1.94 = 1.29 \\ \hline 41.96 \\ \hline \end{array}$$

Overhang forward

$$333 - 1.29 = \underline{2.04'}$$

Trade of ship

Names of sister ships

M. S. "SORTLAND"

Builder's name and yard number

CANTIERI RIUNITI DELL'ADRIATICO YARD NO 1428

Owners

VESTERAAENS DAMPSKIBSELSKAB

Fee £

to be charged on completion



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Foundation