

Amended computation.

Index. No. 29368
(For London Office only).

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

(COMPUTATION FOR STEAMER, SAILING SHIP, TANKER.)

Ship's Name <i>isle Schiappino</i>	Official Number	Nationality and Port of Registry <i>French Algiers</i>	Gross Tonnage <i>4974</i>	Date of Build <i>1920</i>	Port of Survey
Moulded Dimensions: Length <i>385.6</i> Breadth <i>52.29</i> Depth <i>28.5</i>					Date of Survey <i>19-5-38</i>
Moulded displacement at moulded draught = 85 per cent. of moulded depth <i>10829</i> tons					Surveyor's Signature
Coefficient of fineness for use with Tables <i>.776</i>					Particulars of Classification

Depth for Freeboard (D). Moulded depth ... <i>28.50</i> Ringer plate ... <i>.04</i> Leathing on exposed deck $T \left(\frac{L-S}{L} \right) =$ ✓ Depth for Freeboard (D) = <i>28.54</i>	Depth correction. (a) Where D is greater than Table depth (D-Table depth) R = $(28.54-28.57) \times 2.966 = +8.39$ (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) <i>52.29</i> Standard Round of Beam = $\frac{B \times 12}{50} = 12.55$ Ship's Round of Beam = <i>13.25</i> Difference ✓ Restricted to Correction = $\frac{\text{Diff}^*}{4} \times \left(1 - \frac{S_1}{L} \right) = \frac{.70}{4} \times \frac{4137}{10000} = -.07$ ✓
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DEDUCTION FOR SUPERSTRUCTURES.					
	Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	Height Correction	Effective Length (E)
Poop enclosed ...	<i>35.75</i> ✓	<i>35.75</i> ✓	<i>8.0</i>	-	<i>35.75</i> ✓
„ overhang ...					
R.Q.D. enclosed ...					
„ overhang ...					
Bridge enclosed... <i>after</i> ...	<i>21.25</i> ✓	<i>19.12</i> ✓	<i>8.0</i>	-	<i>19.12</i> ✓
„ <i>overhang at midship</i> ...	<i>112.62</i> ✓	<i>112.62</i> ✓	-	-	<i>112.62</i> ✓
„ <i>overhang forward</i> ...	<i>21.25</i> ✓	<i>19.12</i> ✓	-	-	<i>19.12</i> ✓
F'cle enclosed ...	<i>35.94</i> ✓	<i>35.94</i> ✓	<i>8.0</i>	-	<i>35.94</i> ✓
„ overhang ...	<i>6.18</i> ✓	<i>3.53</i> ✓	-	-	<i>3.53</i> ✓
Trunk aft ...					
„ forward ...					
Tonnage opening aft ...					
„ „ forward					
Total ...	<i>232.99</i> ✓	<i>226.08</i> ✓			<i>226.08</i> ✓

Standard Height of Superstructure <i>7.356</i>
„ „ R.Q.D. ✓
Deduction for complete superstructure <i>41.04</i>
Percentage covered $\frac{S}{L} = 60.43$ ✓
„ „ $\frac{S_1}{L} = 58.63$ ✓
„ „ $\frac{E}{L} = 58.63$ ✓
Percentage from Table, Line A. ✓ (corrected for absence of forecastle (if required))
Percentage from Table, Line B. <i>44.63</i> ✓ (corrected for absence of forecastle (if required))
Interpolation for bridge less than .2L (if required) -
Deduction = <i>41.04 x 44.63 = -18.32</i> ✓

SHEER CORRECTION.							
Station	Standard Ordinate	S M	Product	Actual Ordinate	Effective Ordinate	S M	Product
A.P. ...	<i>48.56</i>	1	<i>48.56</i>	<i>36.00</i>	<i>36.00</i>	1	<i>36.00</i>
1/4 L from A.P. ...	<i>21.61</i>	4	<i>86.44</i>	<i>3.40</i>	<i>3.40</i>	4	<i>13.60</i>
1/2 L „ ...	<i>5.34</i>	2	<i>10.68</i>	-	-	2	-
Amidships ...	-	4	-	-	-	4	-
3/4 L from F.P. ...	<i>10.68</i>	2	<i>21.36</i>	<i>0.20</i>	<i>0.20</i>	2	<i>0.40</i>
1/4 L „ ...	<i>43.22</i>	4	<i>172.88</i>	<i>25.40</i>	<i>25.40</i>	4	<i>101.60</i>
F.P. ...	<i>97.12</i>	1	<i>97.12</i>	<i>96.00</i>	<i>96.00</i>	1	<i>96.00</i>
Total ...			<i>437.04</i>				<i>247.60</i>

Mean actual sheer aft = *Deficient*
Mean standard sheer aft =
Mean actual sheer forward = *Deficient*
Mean standard sheer forward =
Length of enclosed superstructure forward of amidships =
„ „ aft of „ = *8 sheets Deficient*

Correction = $\frac{\text{Difference between sums of products}}{18} \left(\frac{.75-S}{.2L} \right) = \frac{189.44}{18} \left(\frac{.75-.3021}{.2} \right) = +4.71$ ✓
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 = <i>28.54</i> ✓ Summer freeboard = <i>5.55</i> ✓ Moulded draught (d) = <i>22.99</i> ✓ Deduction for Tropical freeboard and addition for Winter freeboard = $\frac{d}{4}$ inches = $\frac{5.75-5.74}{4} = 146$ ✓ Addition for Winter North Atlantic Freeboard (if required) =	Deduction for Fresh Water. Displacement in salt water at summer load water line $\Delta = 10290$ ✓ Tons per inch immersion at summer load water line $T = 40$ Deduction = $\frac{\Delta}{40 T}$ inches = $\frac{10290}{40 \times 40} = 6.43$ ✓ = <i>163</i> ✓	TABULAR FREEBOARD corrected for Flush Deck (if required) Correction for coefficient $\frac{.68+.726}{1.36} = \frac{1.456}{1.36}$ Depth Correction ... <i>8.39</i> ✓ Deduction for superstructures ... <i>18.32</i> ✓ Sheer correction ... <i>4.71</i> ✓ Round of Beam correction ... <i>.07</i> ✓ Correction for Thickness of Deck amidships Other corrections, scantlings, etc. ... 13.10 18.39 - 5.29 ✓ Summer Freeboard = <i>66.53 = 1690</i>
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SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, <i>Wood</i> , Steel, Deck :-				
Tropical Fresh Water Line above Centre of Disc ...	<i>309</i> ✓	Tropical Fresh Water Freeboard ...	<i>1690</i> ✓	
Fresh Water Line „ „ ...	<i>163</i> ✓	Fresh Water „ „ ...	<i>1381</i> ✓	
Tropical Line „ „ ...	<i>146</i> ✓	Tropical „ „ ...	<i>1527</i> ✓	
Winter Line below „ „ ...	<i>146</i> ✓	Winter „ „ ...	<i>1544</i> ✓	
Winter North Atlantic Line „ „ ...		Winter North Atlantic „ „ ...	<i>1836</i> ✓	

24 MAY 1938

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