

PRELIMINARY - SCANTLINGS.
LLOYD'S REGISTER OF SHIPPING
 UNITED WITH THE BRITISH CORPORATION REGISTER
SURVEYS FOR FREEBOARD.
 (COMPUTATION FOR STEAMER, SAILING SHIP, TANKER.)

Index No. 45700
 (For London Office only.)

Ship's Name DUNSTONS. T910.	Official Number	Nationality and Port of Registry	Gross Tonnage	Date of Build	Port of Survey
Moulded Dimensions: Length <u>117.25</u> Breadth <u>18.50</u> Depth <u>8.0</u>					Date of Survey <u>16.11.54.</u>
Moulded displacement at moulded draught = 85 per cent. of moulded depth (excluding bossing)					Surveyor's Signature
Coefficient of fineness for use with Tables <u>SNY 0.80</u>					Particulars of Classification <u>+100A1</u> <u>complementary</u>

Class X Home Trade
See this Section

DEPTH FOR FREEBOARD (D). Moulded depth ... <u>8.00</u> Stringer plate ... <u>3/16"</u> ... <u>.03</u> Sheathing on exposed deck $T \left(\frac{L-S}{L} \right) =$ Depth for Freeboard (D) = <u>8.03</u>	DEPTH CORRECTION. (a) Where D is greater than Table depth $(D - \text{Table depth}) R =$ $(8.03 - 7.82) \times .902 = +.19"$ (b) Where D is less than Table depth (if allowed) $(\text{Table depth} - D) R =$ If restricted by superstructures	ROUND OF BEAM CORRECTION. Moulded Breadth (B) <u>18.50</u> Standard Round of Beam = $\frac{B \times 12}{50} =$ <u>4.44</u> Ship's Round of Beam <u>5 1/2</u> = <u>5.50</u> Difference <u>1.06</u> Restricted to Correction = $\frac{\text{Diff}}{4} \times \left(1 - \frac{S_1}{L} \right) =$ <u>1.06</u> \div <u>4</u> = <u>.27</u>
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DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	Height Correction	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 ...					

FLUSH DECK

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	Product	Actual Ordinate	Effective Ordinate	S	Product
A.P. ...	<u>21.73</u>	1	<u>21.73</u>	<u>24.00</u>	<u>21.73</u>	1	<u>21.73</u>
1/4 L from A.P. ...	<u>9.64</u>	4	<u>38.68</u>	<u>10.50</u>	<u>9.64</u>	4	<u>38.68</u>
2/4 L " ...	<u>2.39</u>	2	<u>4.78</u>	<u>3.00</u>	<u>2.39</u>	2	<u>4.78</u>
Amidships ...	<u>✓</u>	4	<u>✓</u>	<u>✓</u>	<u>✓</u>	4	<u>✓</u>
3/4 L from F.P. ...	<u>4.78</u>	2	<u>9.56</u>	<u>3.00</u>	<u>3.00</u>	2	<u>6.00</u>
1/4 L " ...	<u>19.335</u>	4	<u>77.34</u>	<u>12.00</u>	<u>12.00</u>	4	<u>48.00</u>
F.P. ...	<u>43.45</u>	1	<u>43.45</u>	<u>24.00</u>	<u>24.00</u>	1	<u>24.00</u>
Total ...			<u>195.54</u>				<u>143.19</u>

Correction = $\frac{\text{Difference between sums of products}}{18} \left(.75 - \frac{S}{2L} \right) =$ ✓ $\frac{52.35 \times .75}{18} =$ + 2.18
 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.

8.03
1.27
6.74
0.88

Depth to Freeboard Deck = 8.03
 Summer freeboard = 1.40
 Moulded draught (d) = 6.63
 Keel allowance = _____
 Extreme draught = _____
 Deduction for Tropical freeboard and addition for _____
 Winter freeboard = d 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 $\frac{80 \times .68}{1.36} = \frac{1.48}{1.36}$

	+	-
Depth Correction ...	<u>.19</u>	<u>✓</u>
Deduction for superstructures ...	<u>✓</u>	<u>✓</u>
Sheer correction ...	<u>2.18</u>	<u>✓</u>
Round of Beam correction ...	<u>✓</u>	<u>.27</u>
Correction for Thickness of Deck amidships ...	<u>✓</u>	<u>✓</u>
Other corrections, scantlings, etc. ...	<u>✓</u>	<u>✓</u>
Summer Freeboard	<u>16.78</u>	<u>✓</u>

13.49
14.68
16.78

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 " " ...

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.

6-1 $\frac{1}{2}$
26-3
5-0
14-1 $\frac{1}{2}$
14-1 $\frac{1}{2}$
12-4 $\frac{1}{2}$
12-4 $\frac{1}{2}$
10-6
10-6
5-10 $\frac{1}{2}$ 3

117 3 3

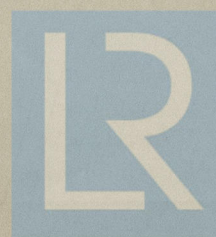
Trade of ship _____

Names of sister ships _____

Builder's name and yard number _____

Owners _____

Fee £ _____



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