

AMENDED.

Index No. \_\_\_\_\_  
(For London Office only.)

# Lloyd's Register of Shipping.

## SURVEYS FOR FREEBOARD.

(COMPUTATION FOR STEAMER, SAILING SHIP, TANKER.)

Ship's Name <b>KILLARNEY.</b> <b>Ex FRANCIS STOREY.</b>	Official Number <b>145986.</b>	Nationality and Port of Registry <b>IRISH REPUBLIC.</b> <b>CORK.</b>	Gross Tonnage <b>464.</b>	Date of Build <b>1922</b> <b>- 11.</b>	Port of Survey <b>ROSBROOKE.</b>
Moulded Dimensions: Length <b>152.0'</b> Breadth <b>40.0'</b> Depth <b>11.33'</b>				Date of Survey <b>1-10-51.</b>	
Moulded displacement at moulded draught = 85 per cent. of moulded depth _____ tons				Surveyor's Signature <b>W. H. WAGGOTT</b>	
Coefficient of fineness for use with Tables <b>.68.</b>				Particulars of Classification <b>RECLASSIFICATION.</b>	

DEPTH FOR FREEBOARD (D).		DEPTH CORRECTION.		ROUND OF BEAM CORRECTION.	
Moulded depth ... ..	<b>11.33.</b>	(a) Where D is greater than Table depth (D - Table depth) R = <b>(11.61 - 10.13) 1.48 = +1.73.</b>		Moulded Breadth (B)	<b>40.0'</b>
Stringer plate ... ..	<b>.03.</b>	(b) Where D is less than Table depth (if allowed) (Table depth - D) R =		Standard Round of Beam = $\frac{B \times 12}{50}$	<b>= 9.6.</b>
Sheathing on exposed deck $T \left( \frac{L-S}{L} \right) =$	<b>.25.</b>	If restricted by superstructures <input checked="" type="checkbox"/>		Ship's Round of Beam	<b>= 10.</b>
Depth for Freeboard (D) =	<b>11.61.</b>			Difference	<b>.4.</b>
				Restricted to	
				Correction = $\frac{\text{Diff.}}{4} \times \left( 1 - \frac{S_1}{L} \right)$	<b>= <math>\frac{4}{4} = - .1.</math></b>

## DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S <sub>1</sub> )	Height	Height Correction	Effective Length (E)
Poop enclosed ... ..					
" overhang ... ..					
R.Q.D. enclosed ... ..					
" overhang ... ..					
Bridge enclosed ... ..					
" overhang aft ... ..					
" overhang forward ... ..					
Fore 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 fore-castle (if required))

Percentage from Table, Line B.  
(corrected for absence of fore-castle (if required))

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

Deduction = **NIL.**

## SHEER CORRECTION.

Station	Standard Ordinate	S M	Product	Actual Ordinate	Effective Ordinate	S M	Product
A.P. ... ..	<b>25.20.</b>	1	<b>25.20.</b>	<b>30.0.</b>	<b>25.20.</b>	1	<b>25.20.</b>
$\frac{1}{2}L$ from A.P. ... ..	<b>11.215.</b>	4	<b>44.86.</b>	<b>13.25.</b>	<b>11.215.</b>	4	<b>44.86.</b>
$\frac{3}{4}L$ " ... ..	<b>2.77.</b>	2	<b>5.54.</b>	<b>4.80.</b>	<b>2.77.</b>	2	<b>5.54.</b>
Amidships ... ..	<b>✓</b>	4	<b>✓</b>	<b>✓</b>	<b>✓</b>	4	<b>✓</b>
$\frac{1}{2}L$ from F.P. ... ..	<b>5.54.</b>	2	<b>11.08.</b>	<b>.75.</b>	<b>.75.</b>	2	<b>1.50.</b>
$\frac{1}{4}L$ " ... ..	<b>22.43.</b>	4	<b>89.72.</b>	<b>5.50.</b>	<b>5.50.</b>	4	<b>22.00.</b>
F.P. ... ..	<b>50.40.</b>	1	<b>50.40.</b>	<b>12.00.</b>	<b>12.00.</b>	1	<b>12.00.</b>
Total ... ..			<b>226.80.</b>				<b>111.10.</b>

Mean actual sheer aft = **Excess.**

Mean standard sheer aft =

Mean actual sheer forward = **DEFICIENT.**

Mean standard sheer forward =

Length of enclosed superstructure forward of amidships = **NIL.**

" " aft of " = **DEFICIENT SHEER.**

Correction = Difference between sums of products  $\left( \frac{.75 - S}{2L} \right) = \frac{15.70}{18} \times .75 = +4.82.$

If limited on account of midship superstructure.

If limited to maximum allowance of  $1\frac{1}{2}$  ins. per 100 ft.

<p>Deduction for Tropical Freeboard.</p> <p>Addition for Winter and Winter North Atlantic Freeboard.</p> <p>Depth to Freeboard Deck = <b>11.61.</b></p> <p>Summer freeboard = <b>3.10.</b></p> <p>Moulded draught (d) = <b>8.51.</b></p> <p>Deduction for Tropical freeboard and addition for Winter freeboard = <math>\frac{d}{4}</math> inches = <b>2.125 = 2"</b></p> <p>Addition for Winter North Atlantic Freeboard (if required) =</p>	<p>Deduction for Fresh Water.</p> <p>Displacement in salt water at summer load water line</p> <p><math>\Delta =</math></p> <p>Tons per inch immersion at summer load water line</p> <p>T =</p> <p>Deduction = <math>\frac{\Delta}{40 T}</math> inches = <b>2"</b></p> <p>as before. <input checked="" type="checkbox"/></p>	<p><b>15.78 + 2.28.</b></p> <p>TABULAR FREEBOARD corrected for Flush Deck (if required)</p> <p>Correction for coefficient <b>NIL.</b></p> <table border="1"> <tr> <th></th> <th>+</th> <th>-</th> </tr> <tr> <td>Depth Correction</td> <td><b>1.73</b></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>Deduction for superstructures</td> <td><b>4.82</b></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>Sheer correction</td> <td><b>1.10</b></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>Round of Beam correction</td> <td><b>1.10</b></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>Correction for Thickness of Deck amidships</td> <td><b>1.10</b></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>Other corrections, scantlings, etc.</td> <td><b>12.74.</b></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>Summer Freeboard =</td> <td><b>37.25.</b></td> <td></td> </tr> </table>		+	-	Depth Correction	<b>1.73</b>	<input checked="" type="checkbox"/>	Deduction for superstructures	<b>4.82</b>	<input checked="" type="checkbox"/>	Sheer correction	<b>1.10</b>	<input checked="" type="checkbox"/>	Round of Beam correction	<b>1.10</b>	<input checked="" type="checkbox"/>	Correction for Thickness of Deck amidships	<b>1.10</b>	<input checked="" type="checkbox"/>	Other corrections, scantlings, etc.	<b>12.74.</b>	<input checked="" type="checkbox"/>	Summer Freeboard =	<b>37.25.</b>	
	+	-																								
Depth Correction	<b>1.73</b>	<input checked="" type="checkbox"/>																								
Deduction for superstructures	<b>4.82</b>	<input checked="" type="checkbox"/>																								
Sheer correction	<b>1.10</b>	<input checked="" type="checkbox"/>																								
Round of Beam correction	<b>1.10</b>	<input checked="" type="checkbox"/>																								
Correction for Thickness of Deck amidships	<b>1.10</b>	<input checked="" type="checkbox"/>																								
Other corrections, scantlings, etc.	<b>12.74.</b>	<input checked="" type="checkbox"/>																								
Summer Freeboard =	<b>37.25.</b>																									

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

Tropical Fresh Water Line above Centre of Disc	Not Assigned.	Tropical Fresh Water Freeboard	Not Assigned.
Fresh Water Line	2"	Fresh Water	2' 11 1/4"
Tropical Line	Not Assigned.	Tropical	Not Assigned.
Winter Line below	2"	Winter	3' 3 1/4"
Winter North Atlantic Line	Not Assigned.	Winter North Atlantic	Not Assigned.