

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

| Ship's Name | Official Number | Nationality and Port of Registry | Gross Tonnage | Date of Build |
|-------------|-----------------|----------------------------------|---------------|---------------|
| ELISABETH | | Dutch Rotterdam | | |

| | |
|---|--|
| Moulded Dimensions: Length 39.4 m ✓ Breadth 6.8 m ✓ Depth 3.60 m ✓ | Port of Survey <u>Rotterdam</u> |
| Moulded displacement at moulded draught = 85 per cent. of moulded depth <u>could not be obtained</u> tons | Date of Survey <u>19th of May</u> |
| Coefficient of fineness for use with Tables <u>could not be obtained assume .70.</u> ✓ | Surveyor's Signature <u>G. J. de Jong</u> |
| | Particulars of Classification <u>100 RI - contemplated</u> |

| DEPTH FOR FREEBOARD (D). | | DEPTH CORRECTION. | | ROUND OF BEAM CORRECTION. | |
|---------------------------|-------------------------|--|---|--|---|
| Moulded depth | <u>3,60m</u> | (a) Where D is greater than Table depth (D-Table depth) R = | <u>8.33(3.608 - 2.627) 9.95 = + 81mm.</u> | Moulded Breadth (B) | <u>6.80 m</u> |
| Stringer plate | ... | (b) Where D is less than Table depth (if allowed) (Table depth-D) R = | <u>9.81</u> | Standard Round of Beam = $\frac{B \times 17}{50}$ | <u>136 mm.</u> |
| Sheathing on exposed deck | ... | | | Ship's Round of Beam | <u>0.07m</u> |
| T ($\frac{L-S}{L}$) = | <u>0.008m = 8.08 mm</u> | | | Difference | <u>- 66 mm.</u> |
| Depth for Freeboard (D) = | <u>3.61m</u> | If restricted by superstructures | | Restricted to | |
| | | | | Correction = $\frac{\text{Diff}^e}{4} \times \left(1 - \frac{S_1}{L}\right)$ | <u>$\frac{66}{4} \times .5711 = + 9mm$</u> |

| | Mean Covered Length (S) | Equivalent Enclosed Length (S ₁) | Height | Height Correction | Effective Length (E) |
|-------------------------|-------------------------|--|--------|-------------------|----------------------|
| Poop enclosed ... | 9.950 | 9.950 | 2.10m | ✓ | 9.950 |
| " overhang ... | 11.20m | | | | |
| R.Q.D. enclosed ... | 1.300 | 1.300 | 1.40m | ✓ | 1.300 |
| " overhang ... | | | | | |
| Bridge enclosed ... | | | | | |
| " overhang aft ... | | | | | |
| " overhang forward ... | 5.650 | 5.650 | 2.10m | ✓ | 5.650 |
| Fore enclosed ... | 5.50m | | | | |
| " overhang ... | | | | | |
| Trunk aft ... | | | | | |
| " forward ... | | | | | |
| Tonnage opening aft ... | | | | | |
| " " forward ... | | | | | |
| Total ... | 16.900 | 16.900 | | | 16.900 |

DEDUCTION FOR SUPERSTRUCTURES.

Standard Height of Superstructure 1.830m ✓

" " R.Q.D.970m

Deduction for complete superstructure 481mm ✓

Percentage covered $\frac{S}{L} =$

" " $\frac{S_1}{L} =$ } 42.89 ✓

" " $\frac{E}{L} =$

Percentage from Table, Line A. 25.95 ✓

(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 = 481 x 25.95 = -125mm ✓

[illegible]

| <p>Deduction for Tropical Freeboard.</p> <p>Addition for Winter and Winter North Atlantic Freeboard.</p> <p>Depth to Freeboard Deck = <u>3608</u></p> <p>Summer freeboard = <u>280</u></p> <p>Moulded draught (d) = <u>3328</u></p> <p>Deduction for Tropical freeboard and addition for Winter freeboard = $\frac{d}{48} = 69.3 = 7 \text{ cm}$</p> <p>Addition for Winter North Atlantic Freeboard (if required) = <u>not assigned</u></p> | <p>Deduction for Fresh Water.</p> <p>Displacement in salt water at summer load water line $\Delta =$</p> <p>Tons per inch immersion at summer load water line $T =$</p> <p>Deduction = $\frac{\Delta}{40 T}$ inches</p> <p>$\frac{d}{48} = 7 \text{ cm}$</p> | <p>TABULAR FREEBOARD corrected for Flush Deck (if required)</p> <p>Correction for coefficient $\frac{.70 + .68}{1.36}$</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>+</th> <th>-</th> </tr> </thead> <tbody> <tr> <td>Depth Correction</td> <td>81</td> <td>-</td> </tr> <tr> <td>Deduction for superstructures</td> <td>-</td> <td>125</td> </tr> <tr> <td>Sheer correction</td> <td>-</td> <td>-</td> </tr> <tr> <td>Round of Beam correction</td> <td>9</td> <td>-</td> </tr> <tr> <td>Correction for Thickness of Deck amidships ...</td> <td>-</td> <td>-</td> </tr> <tr> <td>Other corrections, scantlings, etc.</td> <td>-</td> <td>-</td> </tr> <tr> <td></td> <td>90</td> <td>125</td> </tr> </tbody> </table> <p>Summer Freeboard = <u>299</u></p> | | + | - | Depth Correction | 81 | - | Deduction for superstructures | - | 125 | Sheer correction | - | - | Round of Beam correction | 9 | - | Correction for Thickness of Deck amidships ... | - | - | Other corrections, scantlings, etc. | - | - | | 90 | 125 |
|---|---|--|--|---|---|-------------------------|----|---|--------------------------------------|---|-----|-------------------------|---|---|---------------------------------|---|---|--|---|---|--|---|---|--|----|-----|
| | + | - | | | | | | | | | | | | | | | | | | | | | | | | |
| Depth Correction | 81 | - | | | | | | | | | | | | | | | | | | | | | | | | |
| Deduction for superstructures | - | 125 | | | | | | | | | | | | | | | | | | | | | | | | |
| Sheer correction | - | - | | | | | | | | | | | | | | | | | | | | | | | | |
| Round of Beam correction | 9 | - | | | | | | | | | | | | | | | | | | | | | | | | |
| Correction for Thickness of Deck amidships ... | - | - | | | | | | | | | | | | | | | | | | | | | | | | |
| Other corrections, scantlings, etc. | - | - | | | | | | | | | | | | | | | | | | | | | | | | |
| | 90 | 125 | | | | | | | | | | | | | | | | | | | | | | | | |

| SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, Wood, Stunt , Deck :— | | 28 cm ✓ |
|--|--|---------------------|
| <i>Existing freeboards</i> | Tropical Fresh Water Line above Centre of Disc | <i>not assigned</i> |
| | Fresh Water Line " " | 6 cm ✓ |
| <i>(L) reassigned</i> | Tropical Line " " | <i>not assigned</i> |
| | Winter Line below " " | 4 cm ✓ |
| | Winter North Atlantic Line " " | <i>not assigned</i> |
| | Tropical Fresh Water Freeboard | 22 cm ✓ |
| | Fresh Water " " | 32 cm ✓ |
| | Tropical " " | 32 cm ✓ |
| | Winter " " | 32 cm ✓ |
| | Winter North Atlantic " " | 32 cm ✓ |

Elisabeth.

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.

Freeboard assigned by Dutch Authorities

*Summer 28 1/2 m
Winter 32 1/2 m
freshwater 22 1/2 m.*

Trade of ship *European waters, North-West coast of Africa till 14th degree Northern Latitude, including
Canarian and Cape Verde Isles and the Azores, Mediterranean, Black Sea and Red Sea to Perim.*

Names of sister ships *✓*

Builder's name and yard number

J. Vos en Zoon Groningen

Owners

Mr. A. Telting Groningen

Fee £

fl 85.



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Foundation