

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD-STEAMERS.

Index No. 33816
(For London Office only.)

Port of Survey

Date of Survey 12-1-31

Name of Surveyor

| | | | | | |
|----------------------------------|-----------------------------------|------------------|----------------|-------------------------------|---|
| Ship's Name. <u>BARBARIGO</u> | Port of Registry and Nationality. | Official Number. | Gross Tonnage. | Date of Build. <u>1930</u> | Particulars of Classification. <u>+100 A1 with freeboard</u> |
| Number in Register Book | | | | | |

Moulded dimensions 420 × 56 × 27.17

Moulded displacement at a moulded draught of 85 per cent. of moulded depth

Coefficient of fineness for use with tables

CORRECTION FOR LENGTH.

(a) When D is greater than $\frac{L}{15}$

$$(D - \frac{L}{15}) \times R = \dots$$

(b) When D is less than $\frac{L}{15}$ (if allowed).

$$(\frac{L}{15} - D) \times R = \dots$$

If restricted by height of superstructures

DEPTH FOR FREEBOARD.

Moulded depth 27.17Stringer plate04Sheathing in wells $T(\frac{L-S}{L}) = \dots$ Depth $D = \dots$ 27.21

SUPERSTRUCTURES.

| | Mean Covered Length S. | Equivalent Enclosed Length S ₁ . | Height. | Correction for Height. | Effective Length. |
|---------------------------|------------------------|---|-----------|------------------------|-------------------|
| Poop enclosed | <u>25.17</u> | <u>25.17</u> | <u>9'</u> | <u>-</u> | <u>25.17</u> |
| " overhang | <u>.36</u> | <u>.18</u> | | | <u>.18</u> |
| R.Q.D. enclosed | | | | | |
| " overhang | | | | | |
| Bridge enclosed | | | | | |
| " overhang aft | | | | | |
| " overhang forward | <u>390.00</u> | <u>390.00</u> | <u>9'</u> | <u>-</u> | <u>390.00</u> |
| F'cle enclosed | | | | | |
| " overhang | <u>.35</u> | <u>.27</u> | | | <u>.27</u> |
| Trunks forward | | | | | |
| " aft | | | | | |
| Tonnage opening | <u>4.12</u> | <u>2.19</u> | <u>9'</u> | <u>-</u> | <u>2.19</u> |

TOTAL = 420.00 417.81Length of ship (L) = 420 420% Covered ... = 100 99.48

Corresponding %, corrected for absence of forecastle if required } A =

Allowance ... =

42 × .9936B = 99.36Correction for Bridge less than $\frac{1}{2}L$ if required }

C. 55.

= -41.73"

Standard height of Superstructure = 7'6"
Actual do. = 9'0"
Difference to add } = 1'6"
to sheers at ends (= 18")

SHEER.

| Station. | Actual Sheer. | Standard Sheer. | Allowed Sheer. | S. M. | Products. |
|----------|---------------|-----------------|----------------|----------|---------------|
| A.P. 1 | <u>36.5</u> | <u>52</u> | <u>52</u> | <u>1</u> | <u>52.</u> |
| 2 | <u>= 54.5</u> | | <u>23.10</u> | <u>4</u> | <u>92.4</u> |
| 3 | | | <u>5.77</u> | <u>2</u> | <u>11.54</u> |
| 4 | | | <u>-</u> | <u>4</u> | <u>-</u> |
| 5 | | | <u>10.19</u> | <u>2</u> | <u>20.38</u> |
| 6 | | | <u>40.77</u> | <u>4</u> | <u>163.08</u> |
| F.P. 7 | <u>73.75</u> | <u>104</u> | <u>91.75</u> | <u>1</u> | <u>91.75</u> |

Mean effective sheer = 23.95Standard sheer $\cdot 05L + 5 =$ = 26.00Difference (Df) = .2.05Allowance = $Df \times (\cdot 75 - \frac{S}{2L}) = 2.05(\cdot 75 - \cdot 50) =$ = + 0.51"

If limited on account of amidship superstructure =

If limited on account of excess sheer ($1\frac{1}{2}$ in. per 100 ft.) =

If excess sheer forward and deficient sheer aft :-

Actual sheer aft = ExcessActual sheer forward = Deficient.

Length of enclosed superstructure

Forward of amidships = } C. 55.

Aft of amidships = }

ROUND OF BEAM.

| | |
|--|------------------------------------|
| Standard | <u>13.44</u> |
| Ship | <u>0.00</u> |
| Difference | <u>13.44</u> |
| Restricted to | |
| Allowance = $\frac{\text{Difference}}{4} \times (1 - \frac{S}{L}) =$ | <u>3.36 \times .0052 = + 0.02"</u> |

TABULAR FREEBOARD (corrected for flush deck if required) =

Corrected for Coefficient $\frac{+ \cdot 68}{1.36} =$

Correction for Length

" Superstructures

" Sheer

" Round of beam

" Thickness of deck

" Scantlings, etc.

" Statutory deck line

| + | - |
|-------------|--------------|
| | <u>2.37</u> |
| | <u>41.73</u> |
| <u>0.51</u> | |
| <u>0.02</u> | |
| | |
| | |
| <u>0.53</u> | <u>44.10</u> |

Summer Freeboard =

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (Steel) Deck :-

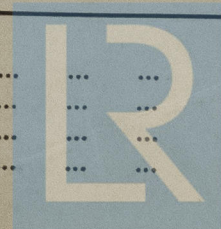
Fresh Water Line above centre of Disc

Indian Summer Line " " " " " " " " " " " "

Winter Line below " " " " " " " " " " " "

Winter North Atlantic Line " " " " " " " " " " " "

Present f'boards { S 3' 3 3/4"
W 3' 8 3/4"



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