

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.—STEAM SHIPS.

PARTICULARS RELATING TO ALL STEAM SHIPS EITHER FLUSH DECKED, OR WITH TOP GALLANT FORECASTLES, SHORT POOPS AND BRIDGE HOUSES DISCONNECTED, OR WITH TOP GALLANT FORECASTLES HAVING LONG POOPS, OR RAISED QUARTER DECKS CONNECTED WITH BRIDGE HOUSES, OR OTHERWISE.

Port of Survey Newport Mon
Date of Survey 12/8/32
Name of Surveyor

MIAA AIDA LAURO

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|---------------------------------------|---|-----------------------------------|-------------------------------|---------------------------------|---|
| Ship's Name. <u>ELLINGWORTH</u> | Port of Registry and Nationality. <u>Newcastle</u> | Official Number. <u>145472</u> | Gross Tonnage. <u>6067</u> | Date of Build. <u>1922-1</u> | Particulars of Classification. <u>+100A1</u> |
| Number in Register Book <u>Stalin</u> | | | | | |

| | | | | |
|---|-------------------------|--|---|---------------------------------------|
| Registered dimensions from Ship's Register. | LENGTH. <u>430.4</u> | BREADTH. <u>55.85</u> | DEPTH. <u>29.20</u> | UNDER DECK TONNAGE. <u>5709.42</u> |
| Length on LOADLINE. | <u>429.5</u> | Frame Depth Rule <u>6 1/2</u> <u>4 1/2</u> <u>2 x 4 1/2 = .75</u> | Ceiling Sheer <u>1.3</u> <u>Drop in tank</u> <u>2 ÷ 2 = 1 + .08</u> | Peak Tanks } <u>above</u> |
| CORRECTED DIMENSIONS. | <u>429.5</u> | <u>55.10</u> | <u>30.65</u> | <u>5709.42</u> |

Moulded Depth as measured..... 31.10 1/2
Addition for Keel below base line for draught record..... 2 1/4 inches.

NOTE.— If the depth is measured when vessel is afloat, the details of measurement should be reported.

Coefficient of fineness..... .788
Any modification necessary [Para. 4 (a) to (e)]* } .02 CAB
Coefficient as corrected768

CORRECTION FOR LENGTH.

| | |
|---------------------------------------|----------------------------|
| Length of Ship on Loadline..... | <u>429.5</u> |
| Length in Table | <u>382.5</u> |
| Difference | <u>47</u> |
| Correction for 10ft., Table A. | <u>1.6</u> |
| Table C. | <u>.8</u> |
| × Difference divided by 10 | <u>7.52</u> (if required.) |
| If 1/10ths length covered divide by 2 | <u>3.76</u> |
| | <u>+ 3.74</u> |

Sheer { Stem..... 133 } 199.375 ÷ 2 = 99.69 ...Mean
at { Sternpost ... 66 3/8 } 36 1/2
49.43
1.37

Sheer at 1/8 of the length from { Stem 74 3/4 } 112.63 ÷ 2 = 56.31 ...Mean
{ Sternpost 37 7/8 } 55.5 = 102.58

Gradual mean Sheer 101.03
Standard mean Sheer [Table, Para. 18] 52.95 Correction
Difference..... 48.08 ÷ 4 = 12.02
If limited as Para. 18 (f) - 12

CORRECTION FOR IRON DECK.

| | |
|---|--------------|
| Proportion covered, if less than 1/10ths length covered | <u>.6078</u> |
| Thickness of usual wood deck, less stringer | <u>3 1/2</u> |
| | <u>- 2</u> |

Rise in Sheer from amidships [Para. 18 (e)] { At front of bridge house..... }
{ At after end of forecastle }

Fall in Sheer [Para. 18 (d)] { Nil } ÷ 2 =
Length uncovered Correction

CORRECTION FOR ROUND OF BEAM.

| | |
|---|--|
| Breadth at Gunwale amidships..... | <u>54-5/8</u> |
| Round of Beam | <u>1-2 5/8</u> |
| Normal round..... | <u>1-1 5/8</u> |
| Difference | <u>1</u> ÷ 2 = <u>1/2</u> |
| Proportion of Deck uncovered (Para. 19) | <u>39 1/2</u> <u>- 1/4</u> <u>195</u> |

NOTE.— The round of beam should be reported on the full breadth of vessel at the gunwale.

ALLOWANCE FOR DECK ERECTIONS:—

| | |
|---|--------------|
| Freeboard, Table C..... | <u>5-2</u> |
| Correction for Length, if required (Para. 12, 13, and 14) | <u>-</u> |
| Freeboard by Table A, corrected for sheer, and for length, if required (Para. 11, 12, 13, and 14) } | <u>7-4</u> |
| Difference | <u>2-2</u> |
| Percentage as below..... | <u>40.89</u> |
| | <u>10.63</u> |

| | |
|--|-----------------|
| Freeboard, Table A | <u>8-4</u> |
| Correction for Sheer | <u>- 1.0</u> |
| | <u>4-4</u> |
| Correction for Length | <u>+ 3 3/4</u> |
| | <u>7.7 3/4</u> |
| Allowance for Deck Erections | <u>- 10 3/4</u> |
| | <u>6-9</u> |
| Correction for Round of Beam..... | <u>- 1/4</u> |
| | <u>6-8 3/4</u> |
| Correction for fall in Sheer (if any)..... | <u>✓</u> |
| Correction for Steel Deck (if required) | <u>- 2</u> |
| | <u>6-6 3/4</u> |
| Additions for non-compliance with provisions of Para. 11 (d) and (e) † | <u>✓</u> |
| Other Corrections (if any) | <u>✓</u> |

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) } ✓

Allowance for Deck Erections - 10 3/4

| | | |
|--|-----------------|---------------|
| Length. | Length allowed. | Height. |
| Forecastle..... <u>40.02</u> | <u>40.04</u> | <u>8.0</u> |
| Bridge House <u>184-6 + 3 1/2 overhang</u> | <u>184.86</u> | |
| † Raised Qr. Dk..... | <u>✓</u> | |
| Poop..... <u>36-6 + 3 1/2 overhang</u> | <u>36.64</u> | |
| Total | <u>261.54</u> | <u>= 6089</u> |
| Length of Ship | <u>429.50</u> | |
| Corresponding percentage (Para. 11, 12, 13, or 14) } | <u>40.89</u> | |

Winter Freeboard 6-6 3/4
Summer Freeboard - 2 6-0 3/4
Indian Summer Freeboard 5-6 3/4
N.A. Winter Freeboard ✓

Correction necessary because clearside amidships, measured in accordance with the Statute is not taken at the intersection of the wood or steel deck with side.

| | |
|---------------------------------------|--|
| Winter Freeboard from deck line | |
| Summer " " " " | |
| Indian Summer " " " " | |
| N.A. Winter " " " " | |

W1330-0248

S.P.B.
12/8/32

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

| | | | | |
|---|---------------|------------------------------------|------------------------|-----------------------|
| SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, Wood, Steel, Deck:— | | | | <u>6-0 3/4 = 1848</u> |
| Tropical Fresh Water Line above Centre of Disc ... | <u>330.13</u> | Tropical Fresh Water Freeboard ... | <u>4.11 3/4 = 1518</u> | |
| Fresh Water Line | <u>178.7</u> | Fresh Water | <u>5-5 3/4 = 1670</u> | |
| Tropical Line | <u>152.6</u> | Tropical | <u>5-6 3/4 = 1696</u> | |
| Winter Line below | <u>152.6</u> | Winter | <u>6-6 3/4 = 2000</u> | |
| Winter North Atlantic Line | | Winter North Atlantic | | |

18 AUG 1932

F.W. 13540
40 x 47.7 = 7.1

MARKING FORM RECEIVED 14 AUG 1932
MARKING FORM RECEIVED 15 OCT 1932