

Lloyd's Register of Shipping.
SURVEYS FOR FREEBOARD.—STEAM SHIPS.

N° 93562.

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

Port of Survey *Liverpool*
Date of Survey *Whilst building*
Name of Surveyor *A.R. Howells*Ship's Name.
GRETHFIELDPort of Registry and Nationality.
Liverpool
*British*Official Number.
14948

Gross Tonnage.

Date of Build.

Particulars of Classification.

Number in Register Book

2100 A1 Contemplated.
"Carrying Petroleum in Bulk."

| LENGTH. | BREADTH. | DEPTH. | UNDER DECK TONNAGE. |
|--------------|--------------|--------------|---------------------|
| <i>500.2</i> | <i>67.9</i> | <i>36.9</i> | <i>9515.97</i> |
| <i>498.0</i> | <i>67.98</i> | <i>37.83</i> | <i>9663.77</i> |

X Calculated under deck tonnage to standard floor and frames.
Moulded Depth as measured..... *37' 0"*

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

Addition for Keel below base line for draught record..... inches.

CORRECTION FOR LENGTH.

| | |
|--|----------------------------|
| Length of Ship on Loadline..... | <i>498.0</i> |
| Length in Table | <i>444.0</i> |
| Difference | <i>54.0</i> |
| Correction for 10ft., Table A. | <i>1.4</i> |
| Table C. | <i>.8</i> |
| × Difference divided by 10 | <i>9.18</i> (if required,) |
| If $\frac{1}{10}$ ths length covered divide by 2 | <i>+ 9 1/4</i> ✓ |

CORRECTION FOR IRON DECK.

| | |
|--|----------------|
| Proportion covered, if less than $\frac{1}{10}$ ths length covered | <i>468</i> |
| Thickness of usual wood deck, less stringer | <i>3 1/4</i> ✓ |

CORRECTION FOR ROUND OF BEAM.

| | |
|--|-----------------------------|
| Breadth at Gunwale amidships..... | <i>67.61</i> |
| Round of Beam | <i>16.0</i> |
| Normal round..... | <i>16.90</i> |
| Difference | <i>.90</i> ÷ 2 = <i>.45</i> |
| Proportion of Deck uncovered (Para. 19) | <i>.542</i> |
| Freeboard, Table A | <i>10' 5 1/2</i> |
| Correction for Sheer | <i>- 6 1/4</i> |
| Correction for Length | <i>+ 9 1/4</i> |
| Allowance for Deck Erections | <i>10' 8 1/2</i> |
| Correction for Round of Beam..... | <i>- 11 1/4</i> |
| Correction for fall in Sheer (if any)..... | <i>9' 9 1/4</i> |
| Correction for Steel Deck (if required) | <i>- 1 1/2</i> |
| Additions for non-compliance with provisions of Para. 11 (d) and (e) † | <i>9' 8</i> |
| Other Corrections (if any) | |

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

Efficient of fineness..... *.755*
Modification necessary { *Bottom Longitudinals*
Para. 4 (a) to (e)* { *= .785*
Efficient as corrected *.78* ✓Stem..... *111*
Sternpost..... *57*
Mean Sheer..... *84' ... Mean*
Stem..... *62.25*
Sternpost..... *32.5*
Mean Sheer..... *94.75 ÷ 2 = 47.375. Mean*
Difference..... *25.24 ÷ 4 = 6.31*
Correction..... *- 6 1/4"*In Sheer { At front of bridge house.....
amidships {
Para. 18 (e) { At after end of forecastleIn Sheer {
Para. 18 (d) { ÷ 2 =
Deck uncovered

ALLOWANCE FOR DECK ERECTIONS:—

Table C..... *(10' 5 1/2 - 3' 3)*
Correction for Length, if required (Para. 12, 13, and 14)| Correction by Table A. corrected for sheer, and for length, if required (Para. 12, 13, and 14) | *7' 2 1/2* |
| Correction for Length, if required (Para. 12, 13, and 14) | *+ 4 1/4* |
| Correction by Table A. corrected for sheer, and for length, if required (Para. 12, 13, and 14) | *4' 6 1/4* |
| Correction for Length, if required (Para. 12, 13, and 14) | *10' 8 1/2* |
| Correction by Table A. corrected for sheer, and for length, if required (Para. 12, 13, and 14) | *3' 1 1/4* |
| Correction for Length, if required (Para. 12, 13, and 14) | *29' 7 1/2* |
| Correction by Table A. corrected for sheer, and for length, if required (Para. 12, 13, and 14) | *11.23* |

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

Correction for Deck Erections

| Length. | Length allowed. | Height. |
|---------------|-----------------|--------------|
| <i>48.125</i> | <i>48.125</i> | <i>8' 0"</i> |
| <i>36.125</i> | <i>36.125</i> | <i>8' 0"</i> |
| <i>44.28</i> | <i>41.22</i> | <i>8' 0"</i> |
| <i>143.75</i> | <i>143.75</i> | <i>8' 0"</i> |
| <i>233.09</i> | <i>228.0</i> | <i>.468</i> |
| <i>498.0</i> | | |
| <i>29.76</i> | | |
| <i>29.06%</i> | | |

BOARD 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 " " " | *7"* |
| Winter Line below " " " | *7"* |
| Winter North Atlantic Line " " " | *7"* |

APR 1928

MARKING FOR
8 MAY 1928
RECEIVED

† State dimensions of freeing port area on back of this form.

The Surveyor should state whether the fall in sheer is reported as measured relatively to the straight line of keel or to the water line. If measured relatively to water line the vessel's draft at time of survey, and also the usual load draft forward and aft, should be reported.

Lloyd's Register
Foundation

ARTICULARS
TOP GALLANT
WITH TOP GA

| Messrs | | Sh |
|--|--|----|
| Number in Reg | | |
| Registered nsions from s Register. | | |
| length on ADLINE. | | |

Co-efficient of
Any modification
[Para. 4 (c)]

CHIN &
ARCHITECT
S: CURCHINWAT, F
E. ROYAL 5822.
CODE
HIN, M.I.N.A.
M.I.MAR.E.

Sècretar
yd's Regi
Fenchurc
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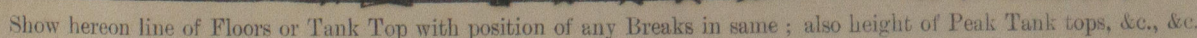
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We
tant forw
h has be
ged.

For Class
Only.

59. ft.

Freeing Ports = 70.875 Sq. ft.
(each side of vessel)

Total deficiency or excess = 11.5 Sq. ft.

Longitudinal Framing at bottom and at decks

Reuss. Cammell Laird & Co. Ltd. Yard N^o 931.

Thos. Hunting & Son

Newcastle-on-Tyne

Received by me