

# Lloyd's Register of Shipping.

## SURVEYS FOR FREEBOARD.—STEAM SHIPS.

Index No. **28817**  
(For London Office only.)

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 Aberdeen  
Date of Survey April 1920  
Name of Surveyor

Ship's Name John Duthie Torry S.B. Co  
No 459-60  
Number in Register Book

Port of Registry and Nationality  
Official Number  
Gross Tonnage  
Date of Build

Particulars of Classification  
100A-1  
Contemplated

| Registered dimensions from Ship's Register. | LENGTH. | BREADTH.      | DEPTH.       | UNDER DECK TONNAGE. |
|---|---------|---------------|--------------|---------------------|
| ON  | 227.5   | 34.1          | 13.96        | 850                 |
| NE.   |         | Frame Depth 6 | Ceiling +.20 | Peak                |
|   |         | Rule .. 4     | Sheer +.72   | Tanks               |
|   |         | = -.33        | Level tank   |                     |
| ED  | 227.5   | 33.77         | 14.88        | 850                 |
| ONS.  |         |               |              |                     |

Moulded Depth as measured..... 16'-0"  
Addition for Keel below base line for draught record..... inches.

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

coefficient of fineness..... .74  
modification necessary  
Para. 4 (a) to (e)\* C. 573  
coefficient as corrected..... .72

CORRECTION FOR LENGTH.

|  |                     |
|--|---------------------|
| Length of Ship on Loadline.....                  | 227.5               |
| Length in Table .....                            | 192.0               |
| Difference .....                                 | 35.5                |
| Correction for 10ft., Table A.....               | 1.0                 |
| × Difference divided by 10 .....                 | 3.55 (if required.) |
| If $\frac{1}{10}$ ths length covered divide by 2 | + $1\frac{3}{4}$    |

at  $\frac{1}{8}$  of the length from Stem 4 1/2 Sternpost 23  
Mean Sheer..... 58.63  
al mean Sheer [Table, Para. 18]..... 32.75  
ard mean Sheer [Table, Para. 18]..... 25.88  
Difference..... 25.88 Correction  $\div 4 = -6\frac{1}{2}$

14746 CORRECTION FOR IRON DECK.  
Proportion covered, if less than  $\frac{1}{10}$ ths length covered .....

in Sheer { At front of bridge house.....  
amidships  
18 (e) } At after end of forecastle .....

CORRECTION FOR ROUND OF BEAM.  
Breadth at Gunwale amidships..... 33-6  
Round of Beam..... 9  
Normal round..... 8 3/8  
Difference..... 5/8  $\div 2 = \dots$   
Proportion of Deck uncovered (Para. 19)..... .152

in Sheer {  
18 (d) }  $\div 2 =$   
uncovered .....

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

ALLOWANCE FOR DECK ERECTIONS:—

|  |            |
|--|------------|
| rd, Table C.....   | 0 .. 8     |
| on for Length, if required (Para. 12, 13, and 14) .....                                      |            |
| rd by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14) ..... | 2 .. 1 1/2 |
| ce .....   | 1" 5 1/2   |
| ge as below..... <u>Par. 12, Scale</u> <u>79.6</u> <u>64.8%</u>                              |            |
| ass A appliances Bridge front <u>13.93</u> <u>11.34</u>                                      |            |
| on for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) .....  | 14" 11 1/4 |
| be for Deck Erections .....  |            |

|  |         |
|--|---------|
| Winter Freeboard .....   | 1 .. 1  |
| Summer Freeboard .....   | 0 .. 11 |
| Indian Summer Freeboard .....  | 0 .. 9  |
| N. A. Winter Freeboard .....   | 1 .. 3  |
| Correction necessary because clearside amidships, measured in accordance with the Statute is not taken at the intersection of the <del>wood</del> iron deck with side. | 1 1/2   |

| Length.                  | Length allowed. | Height. |
|--------------------------|-----------------|---------|
| ouse..... <u>51-0</u>    | 51              | 7-6     |
| Qr. Dk..... <u>142-0</u> | 142             | 7-6     |
| total .....              | <u>193</u>      |         |
| Ship .....               | <u>227.5</u>    |         |

|                                       |             |
|---------------------------------------|-------------|
| Winter Freeboard from deck line ..... | 1 .. 2 1/2  |
| Summer " " " .....                    | 1 .. 0 1/2  |
| Indian Summer " " " .....             | 0 .. 10 1/2 |
| N. A. Winter " " " .....              | 1 .. 4 1/2  |
| (Iron) Deck:— .....                   | 1" 0 1/2"   |
| .....                                 | 3 1/2       |
| .....                                 | 2           |
| .....                                 | 2           |
| .....                                 | 4           |

Percentage of Disc to top of Statutory Deck Line, 64.8 79.6% (Para. 11)  
DARD recommended amidships from centre of Disc to top of Statutory Deck Line, 20  
Fresh Water Line above centre of Disc .....

skin planking, or ceiling are of unusual thickness the breadth of vessel to inside should be reported if possible.

State dimensions of freeing port area on back of this form.  
The Surveyor should state whether the fall in sheer as reported is 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.

Do all the Frames extend to the top height in the Poop? \_\_\_\_\_ Raised Quarter Deck? \_\_\_\_\_ Bridge House? \_\_\_\_\_ Forecastle? \_\_\_\_\_  
 To what height do the Reverse Frames extend? \_\_\_\_\_  
 Has the Poop or Raised Quarter Deck an efficient Iron Bulkhead at the fore end? \_\_\_\_\_  
 Give particulars of the means for closing the openings in Bulkhead \_\_\_\_\_  
 Is the Poop or Raised Quarter Deck connected with the Bridge House? \_\_\_\_\_ Has the Bridge House an efficient Bulkhead at the fore end? \_\_\_\_\_  
 Give particulars of the means for closing the openings in Bulkhead \_\_\_\_\_  
 What is the thickness of the Bridge Front plating? \_\_\_\_\_ and Coaming plate? \_\_\_\_\_  
 Give scantlings and spacing of the Stiffeners \_\_\_\_\_  
 Are bracket plates fitted at each end of the Stiffeners? \_\_\_\_\_ Are hor'l. brackets fitted connecting Bridge Bulk'd. with Bulwarks? \_\_\_\_\_  
 Has the Bridge House an efficient Iron Bulkhead at the after end? \_\_\_\_\_  
 How are the openings closed? \_\_\_\_\_  
 Is the Forecastle at least as high as the main or top-gallant rail? \_\_\_\_\_ Has the Forecastle an efficient Iron or Wood Bulk'd. at after end? \_\_\_\_\_  
 Are the Engine and Boiler openings covered by a Bridge, Poop, Raised Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse? \_\_\_\_\_  
 If the openings are not so protected are the exposed parts of the Casings efficiently constructed? \_\_\_\_\_  
 Give thickness of plating; scantlings and spacing of Stiffeners \_\_\_\_\_  
 What is the height of the exposed Casings? \_\_\_\_\_ Are suitable means provided for closing all openings in them in bad weather? \_\_\_\_\_  
 Are the Weather Deck Hatchways efficiently constructed and at least equal to the requirements of Section 28 of the Rules for 1904-5? Give particulars below:—

| Position and Size.            |                                     | Ship. | Rule. |
|-------------------------------|-------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| COAMING.                      | Height above top of DECK            |       |       |       |       |       |       |       |       |       |       |
|                               | Thickness { Sides.....<br>Ends..... |       |       |       |       |       |       |       |       |       |       |
| SHIFTING BEAMS OR WEB PLATES. | Number .....                        |       |       |       |       |       |       |       |       |       |       |
|                               | Section and Scantlings .....        |       |       |       |       |       |       |       |       |       |       |
|                               | Material .....                      |       |       |       |       |       |       |       |       |       |       |
| * FORE AND AFTERS.            | Number .....                        |       |       |       |       |       |       |       |       |       |       |
|                               | Section and Scantlings .....        |       |       |       |       |       |       |       |       |       |       |
|                               | Material .....                      |       |       |       |       |       |       |       |       |       |       |
| HATCHES                       | Thickness .....                     |       |       |       |       |       |       |       |       |       |       |
|                               | Remarks.....                        |       |       |       |       |       |       |       |       |       |       |

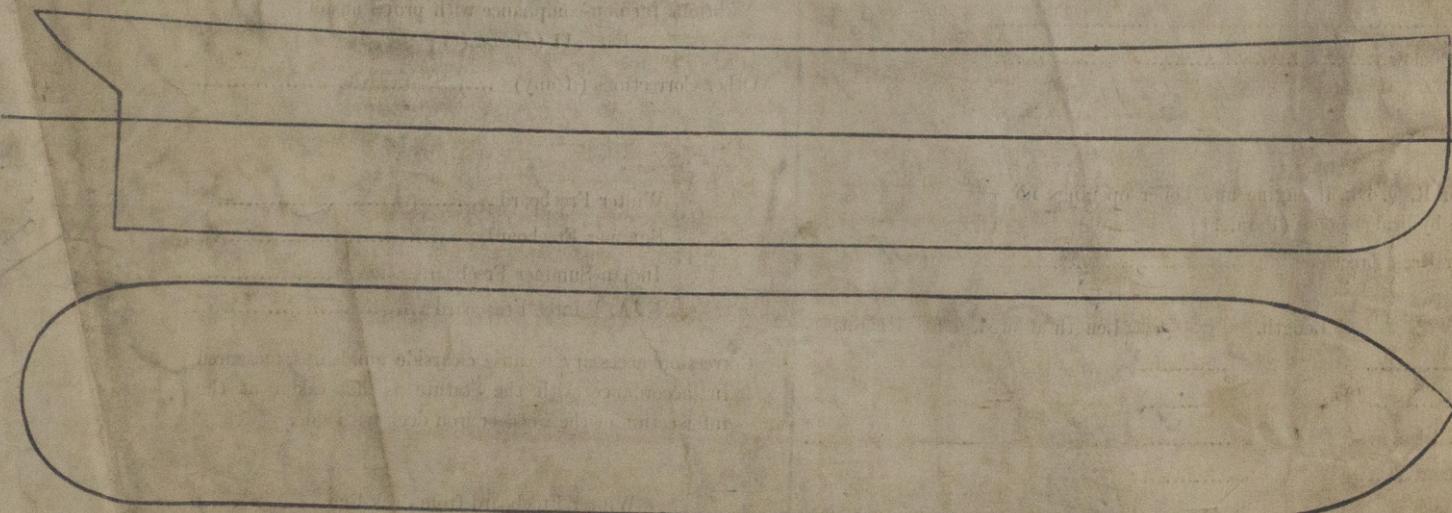
\* The depth of Fore and Afters should be stated from the underside of the hatches in all cases.  
 (If the sill of the lowest side scuttle will be less than 6 inches above the Indian Summer Load Line if assigned under the tables, state vertical distance from top of deck at side amidships to lower edge of lowest side scuttle.)

The following information is to be given in all Cases of vessels dealt with under Paras. 11, 12 (under 15 feet Moulded depth) and under Shelter Deck Rules.

What is the thickness of the Bridge Sheerstrake? \_\_\_\_\_  
 Strake between Main and Bridge Sheerstrakes? \_\_\_\_\_  
 Delete the words { The Crew are, are not, berthed in the bridge house.  
 that do not apply { The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory.

Length of Bulwarks in well \_\_\_\_\_

|   |             |             |                                       |                                       |   |         |   |         |   |   |   |   |  |  |  |  |  |
|---|-------------|-------------|---------------------------------------|---------------------------------------|---|---------|---|---------|---|---|---|---|--|--|--|--|--|
| Area of Freeing Ports required by Para. 11 (e) each side of vessel  | =           | Sq. ft.     |                                       |                                       |   |         |   |         |   |   |   |   |  |  |  |  |  |
| <table> <tr> <td>Ft. Tenths.</td> <td>Ft. Tenths.</td> <td>No.</td> <td rowspan="2">} Freeing Ports (each side of vessel)</td> <td rowspan="2">=</td> <td rowspan="2">Sq. ft.</td> </tr> <tr> <td>×</td> <td>×</td> <td>×</td> </tr> <tr> <td>×</td> <td>×</td> <td>×</td> <td></td> <td></td> <td></td> </tr> </table> | Ft. Tenths. | Ft. Tenths. | No.                                   | } Freeing Ports (each side of vessel) | = | Sq. ft. | × | ×       | × | × | × | × |  |  |  |  |  |
| Ft. Tenths.   | Ft. Tenths. | No.         | } Freeing Ports (each side of vessel) |                                       |   |         | = | Sq. ft. |   |   |   |   |  |  |  |  |  |
| ×   | ×           | ×           |                                       |                                       |   |         |   |         |   |   |   |   |  |  |  |  |  |
| ×   | ×           | ×           |                                       |                                       |   |         |   |         |   |   |   |   |  |  |  |  |  |
| Total deficiency or excess  | =           | Sq. ft.     |                                       |                                       |   |         |   |         |   |   |   |   |  |  |  |  |  |



Show hereon line of Floors or Tank Top with position of any Breaks in same; also height of Peak Tank tops, &c., &c.

State any special features in the construction of the Vessel \_\_\_\_\_

Owners \_\_\_\_\_  
 " Address \_\_\_\_\_  
 Fee £ \_\_\_\_\_

Received by me \_\_\_\_\_

