

Plain. 27663

SAT. APR. 24 1920

# Lloyd's Register of Shipping.

## SRVEYS FOR FREEBOARD.—STEAM SHIPS.

ARS RATING TO ALL STEAM SHIPS EITHER FLUSH DECKED, OR WITH  
LANT RECASTLES, SHORT POOPS AND BRIDGE HOUSES DISCONNECTED, OR  
OR CALM FORECASTLES HAVING LONG POOPS, OR RAISED QUARTER DECKS  
CONNECTED WITH BRIDGE HOUSES, OR OTHERWISE.

Messrs G. Connell &amp; L. C. &amp; Co. 376

Port of Survey Glasgow  
Date of Survey While building  
Name of Surveyor Henry Gibbs

| S. Name.   | Port of Registry and Nationality | Official Number. | Gross Tonnage. | Date of Build. | Particulars of Classification. |
|------------|----------------------------------|------------------|----------------|----------------|--------------------------------|
| "MANALORE" | Liverpool British                | 143638           | 8907.56        | 1920           | 100 A1 (contemplated)          |

| Registers dimensions<br>Ship's Register | LENGTH. | BREADTH. | DEPTH. | UNDER DECK<br>TONNAGE. |
|---|---------|----------|--------|------------------------|
| to on<br>LINE.                          | 518.0   | 63.9     | 35.65  | 8907.56                |
|   | 515.66  | 63.9     | 35.65  | 8907.56                |
| SELECTED<br>DIMENSIONS.                 | 515.66  | 63.9     | 36.89  | 8907.56                |

efficient of fineness..... 742  
y modification necessary { Tank rises 52" at margin  
[Para. 4 (a) to (e)]\*  
efficient as corrected ..... 74

|  |     |       |             |      |
|--|-----|-------|-------------|------|
| { Stem.....                                | 129 | { 189 | ÷ 2 = 94.5  | Mean |
| { Sternpost ...                            | 60  |       |             | 91   |
| at $\frac{1}{2}$ of the length from { Stem | 71  | { 104 | ÷ 2 = 52    | Mean |
| Sternpost                                  | 33  |       | 55          |      |
| Individual mean Sheer 94.54 + 94.5         |     | 94.52 | 94.54       |      |
| Standard mean Sheer [Table, Para. 18]      |     | 61.56 | Correction  |      |
| Difference.....                            |     | 32.96 | ÷ 4 = - 8.2 |      |
| allied as Para. 18 (f) .....               |     |       |             |      |

|   |              |
|---|--------------|
| Rise in Sheer { At front of bridge house.....   |              |
| in amidships { At after end of forecastle ..... |              |
| Para. 18 (e)]                                   |              |
| Fall in Sheer {                                 |              |
| Para. 18 (d) {                                  | ÷ 2 =        |
| Length uncovered .....                          | ✓ Correction |

|   |             |
|---|-------------|
| Allowance, Table C.   | 10.94 - 0.2 |
| Correction for Length, if required (Para. 12, 13, and 14) .....                                     | 7.75        |
| Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14) ..... | 10.1        |
| Difference .....  | 2.53/4      |
| Percentage as below .....   | 40%         |

|   |              |
|---|--------------|
| Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11)         |              |
| allowance for Deck Erections .....  | - 10         |
| Length.....   | 41.5         |
| Length allowed.....   | 41.5         |
| Height.....   | 7.0          |
| Recastle.....   | 222.5        |
| Bridge House .....  | 221.4        |
| Height.....   | 7.95         |
| Raised Q. Dk. ....  |              |
| op.....   | 48.75        |
| Total .....   | 46.49        |
| Length of Ship .....  | 309.39       |
| responding percentage {   | 40%.         |
| REEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (Iron) Deck :— | 515.66 = .60 |

|                            |                      |     |     |
|----------------------------|----------------------|-----|-----|
| Fresh Water Line           | above centre of Disc | ... | ... |
| Indian Summer Line         | " " "                | ... | ... |
| Winter Line                | below "              | ... | ... |
| Winter North Atlantic Line | " "                  | ... | ... |

If the frames, skin planking, or ceiling are of unusual thickness the breadth of vessel to inside of ceiling should be reported if possible.  
In vessels obtaining an allowance for deck erections under Para. 11 where the sheer drops abaft amidships the height of the R.Q.D. is to be taken from the level of the top of the amidship beam.  
In flush-decked vessels the total standard mean sheer means the sheer measured at the stem and stern-post. In vessels having poops and forecastles, it means the sheer measured at points distant one-eighth of the vessel's length from stem and stern-post.

T.

Port of Survey Glasgow  
Date of Survey While building  
Name of Surveyor Henry Gibbs

British 9194.67.  
Moulded Depth as measured..... 38.3 3/4"  
Addition for Keel below base line for draught record... 2 1/2..... inches.

CORRECTION FOR LENGTH.  
Length of Ship on Loadline..... 515.66  
Length in Table ..... 459.75  
Difference ..... 55.91  
Correction for 10ft., Table A. .... 1.7 Table C.  
x Difference divided by 10 ..... 9.5 (if required.)  
If  $\frac{1}{10}$ ths length covered divide by 2 + 2 3/4" ✓

CORRECTION FOR IRON DECK.  
Proportion covered, if less than  $\frac{7}{10}$ ths length covered ..... 60  
Thickness of usual wood deck, less stringer ..... 3 1/2  
- 2 1/2" ✓

CORRECTION FOR ROUND OF BEAM.  
Breadth at Gunwale amidships..... 62.0  
Round of Beam ..... 16  
Normal round..... 15.5  
Difference ..... 5 ÷ 2 = ..... 2.5  
Proportion of Deck uncovered (Para. 19) ..... 40 ✓

Freeboard, Table A ..... 10.94  
Correction for Sheer ..... 8 1/2  
Correction for Length ..... + 10.1 3/4  
Allowance for Deck Erections ..... - 1.0  
- 9.5 3/4" ✓

Correction for Round of Beam.....  
Correction for fall in Sheer (if any).....  
Correction for Iron Deck (if required) ..... - 2 1/2  
Additions for non-compliance with provisions of {  
Para. 11 (d) and (e) }  
Other Corrections (if any) .....

Winter Freeboard ..... 9.3 1/2  
Summer Freeboard ..... 8.8 1/2  
Indian Summer Freeboard ..... 8.1 1/2  
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 iron deck with side. 1 3/4"

Winter Freeboard from deck line ..... 9.5 1/2  
Summer " " " ..... 8.1 1/2  
Indian Summer " " " ..... 8.3 1/2  
N. A. Winter " " " ..... 8.1 1/2

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

W432-0251

25.5.20

- Do all the Frames extend to the top height in the Poop? Yes  
 To what height do the Reverse Frames extend? Second Deck  
 Has the Poop or Raised Quarter Deck an efficient Iron Bulkhead at the fore end? Yes  
 Give particulars of the means for closing the openings in Bulkhead Hinged doors.  
 Is the Poop or Raised Quarter Deck connected with the Bridge House? No  
 Give particulars of the means for closing the openings in Bulkhead No openings  
 What is the thickness of the Bridge Front plating? .40 and Coaming plate? .44  
 Give scantlings and spacing of the Stiffeners 9 + 3 1/2 + 6 1/2 spaced 30"  
 Are bracket plates fitted at each end of the Stiffeners? Yes  
 Has the Bridge House an efficient Iron Bulkhead at the after end? Yes  
 How are the openings closed? Storm boards full height in permanent channels  
 Is the Forecastle at least as high as the main or top-gallant rail? Yes  
 Are the Engine and Boiler openings covered by a Bridge, Poop, Raised Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse? Yes  
 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.            | $W^o 147.22 \cdot 6 + 21 \cdot 0$  | $N^o 2.37 \cdot 6 + 21 \cdot 0$ | $Ex 3.15 \cdot 0 + 21 \cdot 0$                        | $W^o 445.17 \cdot 6 + 21 \cdot 0$                                 | $N^o 6.35 \cdot 0 + 21 \cdot 0$                                   |
|-------------------------------|--|---------------------------------|---|---|---|
| Item.                         | Ship.  | Rule.                           | Ship.   | Rule.   | Ship.   |
| COAMING.                      |  |                                 |   |   |   |
| Height above top of DECK      | $W^o 1 = 36"$<br>$W^o 7 = 33"$   |                                 | $36"$   | $30"$   | $30"$   |
| Thickness { Sides.....        | .44  |                                 | .44   | .44   | .44   |
| { Ends.....                   | .44  |                                 | .44   | .44   | .44   |
| SHIFTING BEAMS OR WEB PLATES. | 4 webs   |                                 | 7 webs  | 2 webs  | 3 webs  |
| { Number                      |  |                                 |   |   |   |
| Section and Scantlings        | $W^o 17 \times 36$<br>$L \times 3 \times 44$<br>steel  |                                 | $W^o 17 \times 36$<br>$L \times 3 \times 44$<br>steel | $W^o 13 \frac{1}{2} \times 36$<br>$L \times 3 \times 44$<br>steel | $W^o 12 \frac{1}{2} \times 33$<br>$L \times 3 \times 44$<br>steel |
| Material .....                |  |                                 |   |   |   |
| * FORE AND AFTERS.            | Number   |                                 |   |   |   |
| { Section and Scantlings      | No fore + afters   |                                 |   |   |   |
| Material .....                |  |                                 |   |   |   |
| HATCHES Thickness .....       | 3"   |                                 | 3"  | 3"  | 3"  |
| Remarks.....                  | Bulk angles $7 \times 3 \times 44$ on sides + ends of hatchways<br>Round iron stays fitted on sides + ends of upper deck h |                                 |   |   |   |

\* 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.

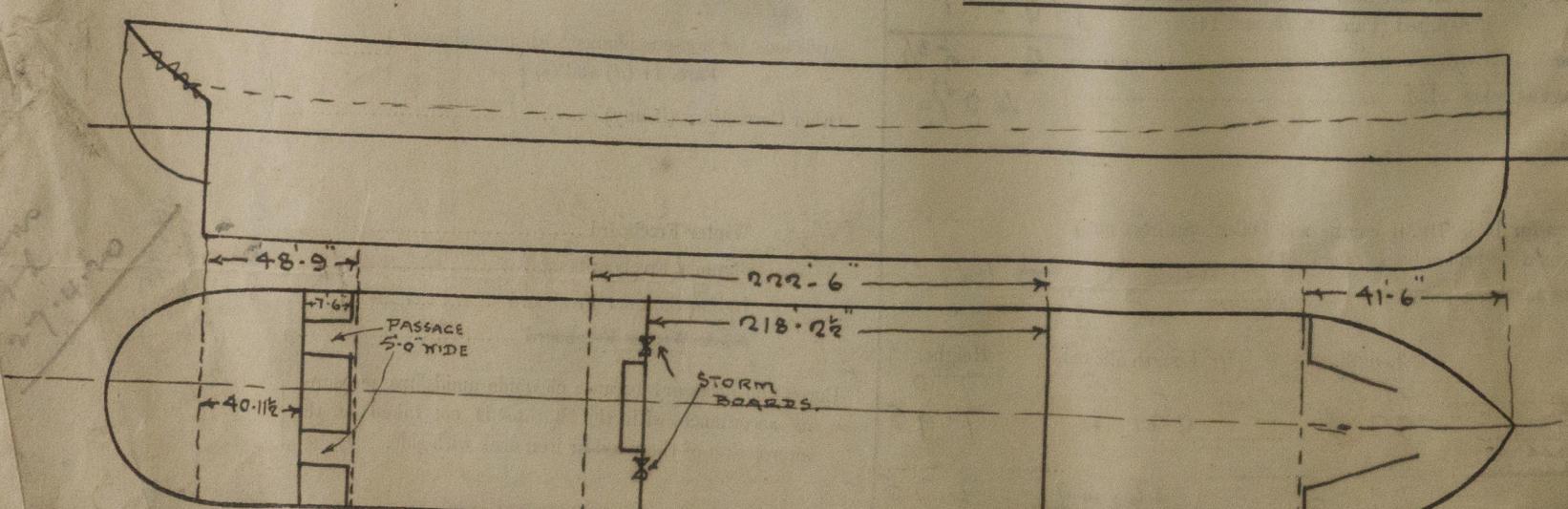
Length of Bulwarks in well

Area of Freeing Ports required by Para. 11 (e) each side of vessel = Sq. ft.

Ft. Tenth. Ft. Tenth. No.

|   |   |  |   |         |
|---|---|--|---|---------|
| x | x | Freeing Ports<br>(each side of vessel) | = | Sq. ft. |
| x | x |  |   |         |

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 *Vessel to be classed 100 A1.*  
*Midship Section & profile enclosed*

Owners Tag Brochlebank.

, Address

Fee £ 8 : 8 : 0

Received by me

15/6/20 P.B.M.



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