

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

MON. MAR. 23 1924

PARTICULARS RELATING TO ~~THE~~ STEAM SHIP ~~ENTERED HERE~~ 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 Middlesbrough  
Date of Survey while building.  
Name of Surveyor R. Fairley  
Revised RulesShip's Name. MARTINHOE  
Port of Registry and Nationality. British  
Official Number. 147614  
Gross Tonnage. ✓  
Date of Build. 1924  
Particulars of Classification. 100A1. (Contemplated)

| Registered dimensions from Ship's Register. | LENGTH.      | BREADTH.  | DEPTH.   | UNDER DECK TONNAGE. |
|---|--------------|---|--|---------------------|
|   | <u>245.4</u> | <u>38.65</u>  | <u>15.5</u>  | <u>1140.24</u>      |
| Length on LOADLINE.                         | <u>245</u>   | Frame Depth 8<br>Rule " <u>1 1/2</u><br>2x <u>3 1/2</u><br>no change + 33<br>Rise of floor = 1"<br>Rise of floor = 1"<br>Rise of floor = 1" | Ceiling + 20<br>Sheer - 27<br>Peak } Inc<br>Tanks } above. |                     |
| CORRECTED DIMENSIONS.                       | <u>245</u>   | <u>38.40</u>  | <u>15.43</u>   | <u>1140.24</u>      |

Co-efficient of fineness..... .78.79 .786  
Any modification necessary } -.02 for ell. at bottom  
[Para. 4 (a) to (e)]\* }  
Co-efficient as corrected ..... .76.77Sheer { Stem..... 46" } 69 ÷ 2 = 34.5" ...Mean 27 34.5  
at { Sternpost ... 23" }  
Sheer at 1/2 of the length from { Stem 20" } 30" ÷ 2 = 15" ...Mean 15  
Sternpost 10" }  
Gradual mean Sheer ..... Plotted sheer 27.27 24.72  
Standard mean Sheer [Table, Para. 18] ..... 34.50 Correction 7.23 9.78  
Difference..... 34.5 9.78 ÷ 4 = 2.44  
§ If limited as Para. 18 (f) ..... Para 18 @ 24.75 9.78 ÷ 4 = 2.44  
+ 2.44Rise in Sheer { At front of bridge house..... deficit of well = 8" = +1"  
from amidships {  
[Para. 18 (e)] { At after end of forecastle .....Fall in Sheer {  
Para. 18 (d) } ÷ 2 =  
Length uncovered ..... Correction

## ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C..... 0.10 1/2 3/4  
Correction for Length, if required (Para. 12, 13, and 14) .....  
Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14) } 3'-4 1/4  
if required (Para. 12, 13, and 14) } 2'-5 1/2  
Difference ..... 81% 81.3%  
Percentage as below..... -2.0  
-23.98Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) } + 1 1/2  
Allowance for Deck Erections ..... 22.48  
= 1'-10 1/2

|                      | Length.                          | Length allowed. | Height.      |
|----------------------|----------------------------------|-----------------|--------------|
| Forecastle.....      | <u>25'-10"</u> <u>5' onhang.</u> | <u>23.83</u>    | <u>7'-6"</u> |
| Bridge House .....   | <u>✓</u>                         | <u>137.50</u>   |              |
| † Raised Qr. Dk..... | <u>187.50</u>                    | <u>211.38</u>   | <u>4'-3"</u> |
| Poop.....            | <u>✓</u>                         | <u>245</u>      | <u>.863</u>  |
| Total .....          |                                  |                 |              |

Length of Ship .....  
Corresponding percentage { 81% 81.3%  
(Para. 11, 12, 13, or 14) }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 | "                    | "   | "   | "   | "   | "   | "   | "   | "   |

© 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 amidships beam.  
§ In flush-decked vessels the total standard mean sheer means the sheer measured at the stem and sternpost. In vessels having poops and forecastles, it means the sheer measured at points distant one-eighth of the vessel's length from stem and sternpost.Moulded Depth as measured..... 21'-9" Raised Quarter 4'-3" up to R.Q.D. 17'-6" to upper deck. 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..... 1 1/2 inches.

## CORRECTION FOR LENGTH.

Length of Ship on Loadline..... 245  
Length in Table ..... 210  
Difference ..... 35  
Correction for 10ft., Table A. .... 1.1 Table C. .5  
× Difference divided by 10 ..... 3.85 (if required.) 1.75  
If 1/10ths length covered divide by 2 1.92 .875  
+ 2" + 1"

## CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered .....  
Thickness of usual wood deck, less stringer ..... 3 1/2" - 3 1/2"

## CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... 38'-6" NOTE.—The round of beam should be reported on the full breadth of vessel at the gunwale.  
Round of Beam ..... 9 1/2"  
Normal round..... 9 3/8"  
Difference ..... 8 ÷ 2 = 4"  
Proportion of Deck uncovered (Para. 19) .....Freeboard, Table A ..... 3'-1 1/2 3/4  
Correction for Sheer ..... + 2 1/2  
3'-4 1/4  
Correction for Length ..... + 2"  
3'-6 1/4  
Allowance for Deck Erections ..... - 2'-0 1/2 10/12  
1'-6 1/2 7/8  
Correction for Round of Beam.....  
Correction for fall in Sheer (if any).....  
Correction for Iron Deck (if required) ..... - 3 1/2  
1'-3 1/2 4 1/4  
Additions for non-compliance with provisions of }  
Para. 11 (d) and (e) }  
Other Corrections (if any) ..... Height of Raised Quarter Deck + 4" 3  
5" 7 1/4Winter Freeboard ..... 11 3 1/2 5 1/4 7 1/4  
Summer Freeboard ..... 2 1/2 2 1/4 11-1 1/4 5-4 3/4  
Indian Summer Freeboard ..... 4" 5-2 1/4  
N. A. Winter Freeboard ..... 11-5 1/2 5-9 1/4  
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. 1 1/2"Winter Freeboard from deck line ..... 1 1/2" 5" 8 3/4  
Summer " " " ..... 1 1/2" 5" 6 1/4  
Indian Summer " " " ..... 1 1/2" 5" 3 3/4  
N. A. Winter " " " ..... 1 1/2" 5" 11 1/4RAISED QUARTER DECK (C.D.)  
N.A. Winter (Steel) Deck:—

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

† 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? ☒ Yes

To what height do the Reverse Frames extend? 8 ft. frames

Has the ~~Pooper~~ Raised Quarter Deck an efficient Steel Bulkhead at the fore end? ☒ Yes

Give particulars of the means for closing the openings in Bulkhead no openings

Is the Poop or Raised Quarter Deck connected with the Bridge House? no Bridge House

Give particulars of the means for closing the openings in Bulkhead no Bridge House

What is the thickness of the Bridge Front plating? ☒ Yes

Give scantlings and spacing of the Stiffeners ☒ Yes

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? ☒ Yes

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? ☒ Yes

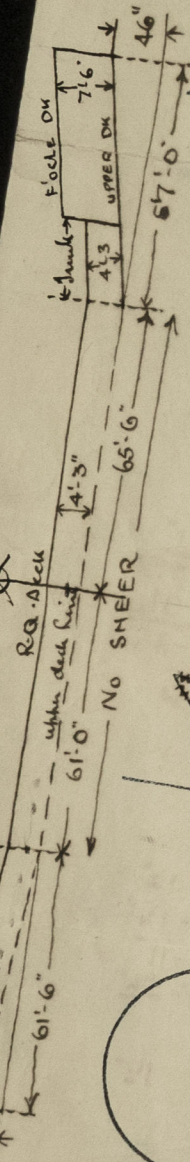
Give thickness of plating; scantlings and spacing of Stiffeners ☒ Yes

What is the height of the exposed Casings? ☒ Yes

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: ☒ Yes

Are suitable means provided for closing all openings in them in bad weather? ☒ Yes

| Position and Size.           |  | Item.             |  | Ship.             |  | Rule.             |  | Ship.             |  | Rule.             |  | Ship.             |  | Rule.             |  | Ship.             |  | Rule.             |  |
|------------------------------|--|-------------------|--|-------------------|--|-------------------|--|-------------------|--|-------------------|--|-------------------|--|-------------------|--|-------------------|--|-------------------|--|
| Height above top of DECK     |  | No. 1             |  | No. 2             |  | No. 3             |  | No. 4             |  | No. 5             |  | No. 6             |  | No. 7             |  | No. 8             |  | No. 9             |  |
| Thickness                    |  | 29'-2" x 45'-0"   |  | 34'-7" x 25'-6"   |  | 29'-3" x 25'-6"   |  | 29'-3" x 25'-6"   |  | 29'-3" x 25'-6"   |  | 29'-3" x 25'-6"   |  | 29'-3" x 25'-6"   |  | 29'-3" x 25'-6"   |  | 29'-3" x 25'-6"   |  |
| Sides                        |  | 5'-1"             |  | 2'-7"             |  | 2'-7"             |  | 2'-7"             |  | 2'-7"             |  | 2'-7"             |  | 2'-7"             |  | 2'-7"             |  | 2'-7"             |  |
| Ends                         |  | .44               |  | .44               |  | .44               |  | .44               |  | .44               |  | .44               |  | .44               |  | .44               |  | .44               |  |
| SHIFTING BEAMS OR WEB PLATES |  | 5                 |  | 6                 |  | 5                 |  | 5                 |  | 5                 |  | 5                 |  | 5                 |  | 5                 |  | 5                 |  |
| Section and Scantlings       |  | As per J.I. Steel |  | As per J.I. Steel |  | As per J.I. Steel |  | As per J.I. Steel |  | As per J.I. Steel |  | As per J.I. Steel |  | As per J.I. Steel |  | As per J.I. Steel |  | As per J.I. Steel |  |
| Material                     |  | Steel             |  | Steel             |  | Steel             |  | Steel             |  | Steel             |  | Steel             |  | Steel             |  | Steel             |  | Steel             |  |
| * FORE AND AFTERS            |  | Number            |  | Number            |  | Number            |  | Number            |  | Number            |  | Number            |  | Number            |  | Number            |  | Number            |  |
| Section and Scantlings       |  | As per J.I. Steel |  | As per J.I. Steel |  | As per J.I. Steel |  | As per J.I. Steel |  | As per J.I. Steel |  | As per J.I. Steel |  | As per J.I. Steel |  | As per J.I. Steel |  | As per J.I. Steel |  |
| Material                     |  | Steel             |  | Steel             |  | Steel             |  | Steel             |  | Steel             |  | Steel             |  | Steel             |  | Steel             |  | Steel             |  |
| HATCHES Thickness            |  | 3"                |  | 3"                |  | 3"                |  | 3"                |  | 3"                |  | 3"                |  | 3"                |  | 3"                |  | 3"                |  |
| 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? 3"

Strake between Main and Bridge Sheerstrakes? and under upper deck

Delete the words that do not apply { The Crew are, not, berthed in the bridge house. and under upper deck } ☒ Yes

Length of Bulwarks in well 33'-0" x 4'-5" = 148.5 sq ft

Area of Freeing Ports required by Rule 14.85 (each side of vessel) 14.85

Ft. Tenth. 3'-6 1/2" x 18 1/2" = 14.85

No. 3 x 3 = 14.85

Freeing Ports (each side of vessel) = 14.85

Total deficiency or excess = 5.05 sq. ft.

Sq. ft. in Free Well = 14.85

Excess = 3 sq. ft.

3 sq. ft. excess in R.B.S. each side.

