

29857

## Lloyd's Register of Shipping.

SAT. 24 MAR. 1917

25081

## 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

April

Date of Survey

March 23<sup>rd</sup> 1917

Name of Surveyor

W. R. M. Aspinall

Ship's Name.

Ss. Mary Birch

Port of Registry and Nationality.

April

Official Number.

139318

Gross Tonnage.

228

Date of Build.

New

Particulars of Classification.

+100 A.1  
Class contemplated  
(motor waater)

Number in Register Book

Registered dimensions from Ship's Register.

LENGTH

110.0

BREADTH

21.55

DEPTH

8.9

UNDER DECK TONNAGE

172.08

Length on LOADLINE.

110.0

Frame Depth 4

Rule

Ceiling

Sheer

Peak

Tanks

less 1 ton open floor in motor space

9.10

9.49

171.08

NOTED DIMENSIONS.

110.0

21.55

9.49

171.08

Coefficient of fineness

.806.77

Modification necessary

- .02 Cell 2B

Para. 4 (a) to (e)\*

Coefficient as corrected

.774.75

Stem

36

Sternpost

26

At 1/3 of the length from

Stem

Sternpost

Normal mean Sheer

12.6

Hard mean Sheer [Table, Para. 18]

12.6

Difference

6.65

Limited as Para. 18 (f)

- 1.66

Fall in Sheer

At front of bridge house

At amidships

At after end of forecastle

Fall in Sheer

At front of bridge house

At amidships

At after end of forecastle

Fall in Sheer

At front of bridge house

At amidships

At after end of forecastle

Fall in Sheer

At front of bridge house

At amidships

At after end of forecastle

Fall in Sheer

At front of bridge house

At amidships

At after end of forecastle

Fall in Sheer

At front of bridge house

At amidships

At after end of forecastle

Fall in Sheer

At front of bridge house

At amidships

At after end of forecastle

Fall in Sheer

At front of bridge house

At amidships

At after end of forecastle

Fall in Sheer

At front of bridge house

At amidships

At after end of forecastle

Fall in Sheer

At front of bridge house

At amidships

At after end of forecastle

Fall in Sheer

At front of bridge house

At amidships

At after end of forecastle

Fall in Sheer

At front of bridge house

At amidships

At after end of forecastle

Fall in Sheer

At front of bridge house

At amidships

At after end of forecastle

Fall in Sheer

At front of bridge house

At amidships

At after end of forecastle

Fall in Sheer

At front of bridge house

At amidships

At after end of forecastle

Fall in Sheer

At front of bridge house

At amidships

At after end of forecastle

Fall in Sheer

At front of bridge house

At amidships

At after end of forecastle

Fall in Sheer

At front of bridge house

At amidships

At after end of forecastle

Fall in Sheer

At front of bridge house

At amidships

At after end of forecastle

Fall in Sheer

At front of bridge house

At amidships

At after end of forecastle

Fall in Sheer

At front of bridge house

At amidships

At after end of forecastle

Fall in Sheer

At front of bridge house

At amidships

At after end of forecastle

Fall in Sheer

At front of bridge house

At amidships

At after end of forecastle

Fall in Sheer

At front of bridge house

At amidships

At after end of forecastle

Moulded Depth as measured

11.0

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

Keel 1 1/4"

## CORRECTION FOR LENGTH.

Length of Ship on Loadline

110.0

Length in Table

132

Difference

22

Correction for 10ft., Table A

.9

Table C. .5

x Difference divided by 10

1.98

(if required.) 1.10

If 1/10ths length covered divide by 2

- 1/2

- 1/2

## CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered

.72

Thickness of usual wood deck, less stringer

- 2 1/2

## CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships

21.5

Round of Beam

8

Normal round

5.375

Difference

2.625

Proportion of Deck uncovered (Para. 19)

.278

Freeboard, Table A

1.863/4

Correction for Sheer

- 1.83/4

Correction for Length

- .2

Allowance for Deck Erections

- .23/4

Correction for Round of Beam

- 1/4

Correction for fall in Sheer (if any)

11 1/2

Correction for Iron Deck (if required)

- 2 1/2

Additions for non-compliance with provisions of

9 1/2

Para. 11 (d) and (e) †

Other Corrections (if any)

-

Winter Freeboard

9 1/2

Summer Freeboard

8 1/2

Indian Summer Freeboard

-

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.

-

Winter Freeboard from deck line

10 1/2

Summer

9 1/2

Indian Summer

-

N. A. Winter

-

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 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.

Copy to Surveyor 27.3.17

RECEIVED 29 JUN 1925

RECEIVED 9.7.17

010037-010045-0225



Do all the Frames extend to the top height in the Poop? *yes* Raised Quarter Deck? *yes* Bridge House? *yes* Forecastle? *yes* 11b. 85

To what height do the Reverse Frames extend? *none*

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 *no openings*

Is the Poop or Raised Quarter Deck connected with the Bridge House? *yes* Has the Bridge House an efficient Bulkhead at the fore end? *yes*

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

What is the thickness of the Bridge Front plating? *.24"* and Coaming plate? *.34"*

Give scantlings and spacing of the Stiffeners *5 1/2 x 3 x .325 bulk angles 25' apart*

Are bracket plates fitted at each end of the Stiffeners? *yes* Are hor'l. brackets fitted connecting Bridge Bulk'd. with Bulwarks? *yes*

Has the Bridge House an efficient Iron Bulkhead at the after end? *yes*

How are the openings closed? *9" coaming above quarter deck, Linged Oak doors*

Is the Forecastle at least as high as the main or top-gallant rail? *yes* Has the Forecastle an efficient Iron or Wood Bulk'd. at after end? *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* *companion with linged wood doors*

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 *plating .24. angles 2 1/2 x 2 1/2 x .28 @ 30' apart*

What is the height of the exposed Casings? *7.3* Are suitable means provided for closing all openings in them in bad weather? *Linged*

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*

| Position and Size.            | No. 1. 19.3 x 14.6          |                             | No. 2. 19.3 x 14.6          |                             |                             |       |       |       |       |
|-------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-------|-------|-------|-------|
| Item.                         | Ship.                       | Rule.                       | Ship.                       | Rule.                       | Ship.                       | Rule. | Ship. | Rule. | Ship. |
| COAMING.                      | Height above top of DECK    | <i>24"</i>                  | <i>24"</i>                  | <i>24"</i>                  | <i>24"</i>                  |       |       |       |       |
|                               | Sides.....                  | <i>.44</i>                  | <i>.44</i>                  | <i>.44</i>                  | <i>.44</i>                  |       |       |       |       |
|                               | Thickness { Ends.....       | <i>.40</i>                  | <i>.40</i>                  | <i>.40</i>                  | <i>.40</i>                  |       |       |       |       |
| SHIFTING BEAMS OR WEB PLATES. | Number.....                 | <i>one</i>                  | <i>one</i>                  | <i>one</i>                  | <i>one</i>                  |       |       |       |       |
|                               | Section and Scantlings..... | <i>Plate 22 x .40</i>       | <i>Plate 22 x .40</i>       | <i>Plate 22 x .40</i>       | <i>Plate 22 x .40</i>       |       |       |       |       |
|                               | Material.....               | <i>4 angles 3 x 3 x .40</i> | <i>4 angles 3 x 3 x .40</i> | <i>4 angles 3 x 3 x .40</i> | <i>4 angles 3 x 3 x .40</i> |       |       |       |       |
| * FORE AND AFTERS.            | Number.....                 | <i>3</i>                    | <i>3</i>                    | <i>3</i>                    | <i>3</i>                    |       |       |       |       |
|                               | Section and Scantlings..... | <i>Centres 8 x 8</i>        | <i>Centres 8 x 8</i>        | <i>Centres 8 x 8</i>        | <i>Centres 8 x 8</i>        |       |       |       |       |
|                               | Material.....               | <i>sides 7 x 8</i>          | <i>sides 7 x 8</i>          | <i>sides 7 x 8</i>          | <i>sides 7 x 8</i>          |       |       |       |       |
| HATCHES Thickness.....        | <i>2 1/2</i>                | <i>2 1/2</i>                | <i>2 1/2</i>                | <i>2 1/2</i>                |                             |       |       |       |       |
| Remarks.....                  | <i>wood</i>                 | <i>wood</i>                 | <i>wood</i>                 | <i>wood</i>                 |                             |       |       |       |       |

\* When the Fore and Afters are of wood the depth should be stated from the underside of the hatches.

(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.) *no side lights below weather deck.*

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. *Vessel under 150 ft. in length*

that do not apply { The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory.

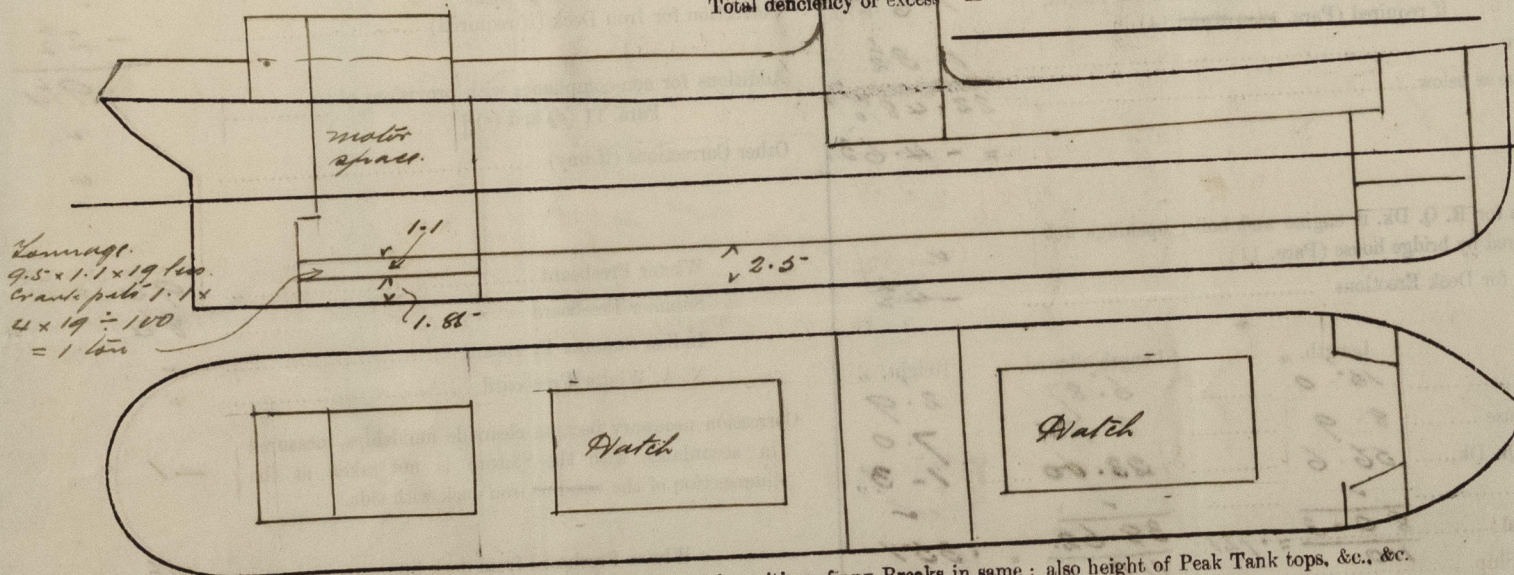
Length of Bulwarks in well *29.9* Sq. ft.

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

Ft. Tenth. Ft. Tenth. No. Freeing Ports (each side of vessel) = *7.83* Sq. ft.

*2.25 x 1.16 x 3*

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 *Cellular double bottom in hold, open in machinery space, ordinary frames, ceiling on tank top, see approved Freeboard Application form forwarded with previous report*

Builder *W. H. Warren*

Address *New Holland. Lines*

Fee £

*New vessel*

Received by me



© 2021

Lloyd's Register Foundation