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Spl. 217-33

Index No. 12473
(For London Office only.)

MON. 30 APR. 1923

Lloyd's Register of Shipping.
SURVEYS FOR FREEBOARD.—STEAM SHIPS.PARTICULARS RELATING TO ALL STEAM SHIPS ~~WITH FLUSH DECKS OR WITH TOP GALLANT FORECASTLES, SHORT POOPS AND BRIDGE HOUSES DISCONNECTED, OR WITH GALLANT FORECASTLES HAVING LONG POOPS, OR RAISED QUARTER DECKS, OR WITH BRIDGE HOUSES, OR OTHERWISE.~~Port of Survey *Antwerp*
Date of Survey *27 April 23*
Name of Surveyor *J. T. Hubert*Ship's Name.
ROTENFELS
71663Port of Registry and Nationality.
London
*British*Official Number.
*139045*Gross Tonnage.
*5589*Date of Build.
*1906.11*Particulars of Classification.
+ 100 A.1.
Sp. dk
S/S fls in 3.4.20

| Registered dimensions from Ship's Register. | LENGTH. | BREADTH. | DEPTH. | UNDER DECK TONNAGE. |
|---|--------------|--|--|---------------------------------|
| | <i>420.0</i> | <i>55.1</i> | <i>28.38</i> | <i>5379</i> |
| Length on LOADLINE. | <i>420.0</i> | Frame Depth 7 Rule " <i>6</i> <i>x 2 = 1.17</i> | Ceiling <i>filled</i> Sheer <i>4.43</i> <i>To Tank Top</i> <i>28.54</i> | Peak } <i>1 inch</i> Tanks } |
| CORRECTED DIMENSIONS. | <i>420.0</i> | <i>54.93</i> | <i>28.97</i> | <i>5379</i> |

Co-efficient of fineness..... *.80*
Any modification necessary }
[Para. 4 (a) to (e)]* }
Co-efficient as corrected *.78*Sheer { Stem..... *116.0*
at { Sternpost *43.5* } $159.5 \div 2 = 79.75$...Mean
Sheer at $\frac{1}{2}$ of the length from { Stem *57.5*
Sternpost *16.75* } $74.25 \div 2 = 37.12$...Mean
Gradual mean Sheer *67.5*
Standard mean Sheer [Table, Para. 18] *52.0* Correction
Difference..... $15.5 \div 4 = 3.875$
§ If limited as Para. 18 (f) *- 3 3/4*Rise in Sheer { At front of bridge house.....
from amidships { At after end of forecastleFall in Sheer {
Para. 18 (d) } $\div 2 =$
Length uncovered Correction

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C..... *4" 10 3/4*
Correction for Length, if required (Para. 12, 13, and 14) *+ 3 3/4*
Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14) *8" 4 3/4*
Difference *3" 2 1/4*
Percentage as below..... *34.4%*
*13.15*Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) *1" 1/4*
Allowance for Deck Erections

| | Length. | Length allowed. | Height. |
|---|--------------|-----------------|--------------|
| Forecastle..... | <i>51.25</i> | <i>51.25</i> | <i>7-3</i> |
| Bridge House | <i>112.5</i> | <i>112.50</i> | <i>"</i> |
| † Raised Qr. Dk..... | <i>"</i> | <i>"</i> | <i>"</i> |
| Poop..... | <i>58.33</i> | <i>58.33</i> | <i>"</i> |
| Total | | <i>222.08</i> | <i>= .53</i> |
| Length of Ship | | <i>420.0</i> | |
| Corresponding percentage { (Para. 11, 12, 13, or 14) } | <i>34.4%</i> | | |

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, ~~and~~ (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 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.

2m, 9.22. r.

009161-009169-0105

Moulded Depth as measured..... *31-2*

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

CORRECTION FOR LENGTH.

Length of Ship on Loadline..... *420.0*
Length in Table *374.0*
Difference *46.0*
Correction for 10ft., Table A. *1.6* Table C. *.8*
 \times Difference divided by 10 *7.36* (if required.) *3.68*
If $\frac{1}{10}$ ths length covered divide by 2 *+ 7 1/4* *+ 3 3/4*

CORRECTION FOR IRON DECK.

Proportion covered, if less than $\frac{1}{10}$ ths length covered *.53*
Thickness of usual wood deck, less stringer *3 1/2*
3" Plank Sheathing fitted clear of erection - 1/4"

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... *55.0*
Round of Beam *14.0*
Normal round..... *18.75*
Difference $25 \div 2 = 12.5$ *.12*
Proportion of Deck uncovered (Para. 19) *.47*Freeboard, Table A *8" 1 1/4*Correction for Sheer *- 3 3/4*Correction for Length *+ 4 1/4*Allowance for Deck Erections *8" 4 3/4*Correction for Round of Beam..... *- 1" 1 1/4*Correction for fall in Sheer (if any)..... *4" 3 1/4*Correction for *3" Sheathing on Steel* (if required) *- 1/4*Additions for non-compliance with provisions of Para. 11 (d) and (e) † *4" 3 1/4*Other Corrections (if any) *- 3*..... *4" 0 1/4*Winter Freeboard *4" 0 1/4*Summer Freeboard *5 1/2*Indian Summer Freeboard *6" 0 1/4*N.A. Winter Freeboard *6" 0 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. *2"*Winter Freeboard from dec. line *4" 2 1/4*Summer " " " *6" 8 3/4*Indian Summer " " " *6" 2 1/4*N.A. Winter " " " *6" 9"*..... *6"*..... *5 1/2*..... *5 1/2*

† 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.

MARKING FORM

RECEIVED 27 JAN 1927

MARKING FORM

RECEIVED 14 MAY 1923

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Lloyd's Register

E014 MAY 1923

Do all the Frames extend to the top height in the Poop? *Yes* Raised Quarter Deck? *Yes* Bridge House? *Yes* Forecastle? *Yes*
To what height do the Reverse Frames extend? *Bull Rung Frames.*
Has the Poop ~~on Raised Quarter Deck~~ an efficient Iron Bulkhead at the fore end? *Yes.*
Give particulars of the means for closing the openings in Bulkhead *Hinged wooden doors 3" fitted in channels riveted to bulkhead*
Is the Poop ~~Raised Quarter Deck~~ connected with the Bridge House? *No* Has the Bridge House an efficient Bulkhead at the fore end? *Yes.*
Give particulars of the means for closing the openings in Bulkhead *Hinged steel doors secured by dogs.*
What is the thickness of the Bridge Front plating? *.40* and Coaming plate? *.45.*
Give scantlings and spacing of the Stiffeners *Bull Rung 8x3 1/2 x .46 Spaced 30" 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? *Wood boards full height fitted in channels riveted to bulkhead*
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.*
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? *7-2 above highest* Are suitable means provided for closing all openings in them in bad weather? *Yes.*

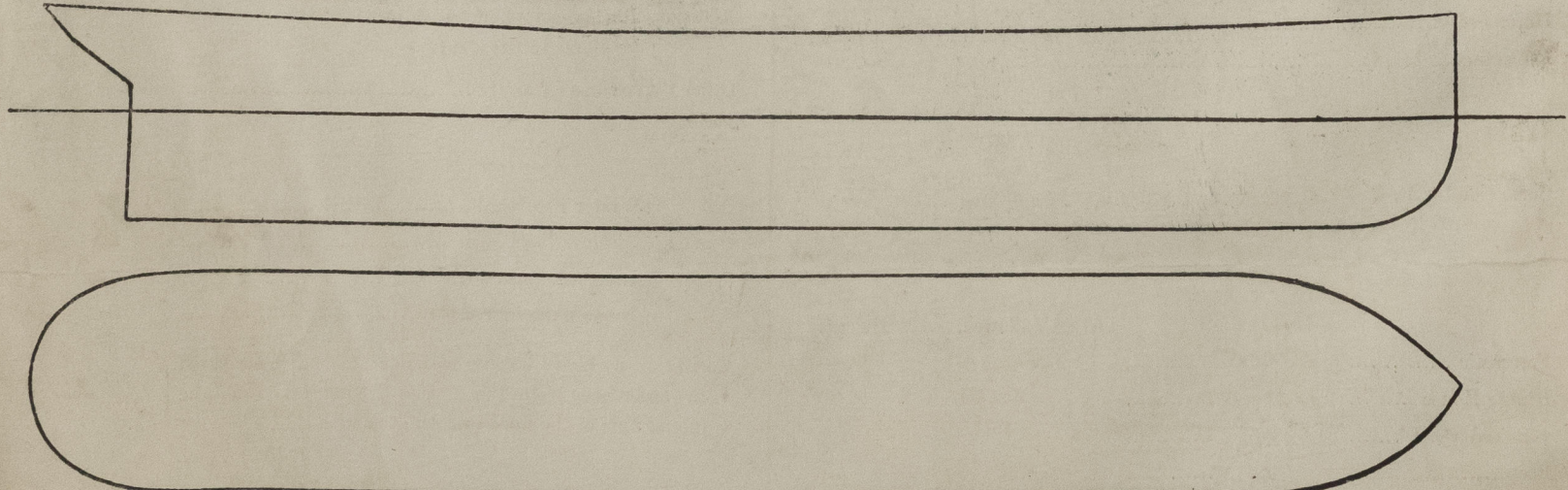
Are the Weather Deck Hatchways efficiently constructed and at least equal to the requirements of Section 28 of the Rules for 1904-5? Give particulars below:—

| Position and Size. | | No. 1. 20-8 x 14-0 | | No. 2 29-0 x 14-0 | | No. 3 10-0 x 8-4 | | No. 4. 24-10 x 14-0 | | No. 5 20-8 x 14-0 | |
|--------------------------|-----------------------------|---|---------|-------------------|----------------|------------------|-------|--------------------------------|----------------|-------------------|----------------|
| Item. | | Ship. | Rule. | Ship. | Rule. | Ship. | Rule. | Ship. | Rule. | Ship. | Rule. |
| COAMING. | Height above top of DECK | 2-9 | 24 | 2-9 | 24 | 2-7 | 18 | 2-9 | 24 | 2-9 | 24 |
| | Thickness { Sides..... | .45 | .45 | .45 | .45 | .40 | .35 | .45 | .45 | .45 | .45 |
| | Thickness { Ends..... | .40 | .40 | .40 | .40 | .40 | .35 | .40 | .40 | .40 | .40 |
| WEATHER DECK WEB PLATES. | Number..... | One web + Division 24 ft. 2 | 2 | 2 | 3 | None | None | 2 webs + one Division 24 ft. 3 | 3 | 1 | 2 |
| | Section and Scantlings..... | Fore End. 45 | .40 | .45 | .40 | None | None | 45 | .40 | Same as No. 1. | .40 |
| | Material..... | 100 ang. d. 3x3x40 Bulkhead Same as No. 1. 3x3x40 | 3x3x40 | 3x3x40 | 3x3x40 | None | None | Same as No. 1. | 3x3x40 | Same as No. 1. | 3x3x40 |
| * FORE AND AFTERS. | Number..... | 3 | 3 | 3 | Same as No. 1. | 1 | 1 | 3 | 3 | 3 | 3 |
| | Section and Scantlings..... | Outboard 9x7 1/2 10 | 7x7 1/2 | Same as No. 1. | No. 1. | wood 8x8 | 5 | Same as No. 1. | Same as No. 1. | Same as No. 1. | Same as No. 1. |
| | Material..... | Center wood 3x3x40 Side Steel Bulkhead | 3x3x40 | 3x3x40 | 3x3x40 | ppine | wood | Same as No. 1. | Same as No. 1. | Same as No. 1. | Same as No. 1. |
| HATCHES Thickness..... | | 2 7/8 | 2 1/2 | 2 7/8 | 2 1/2 | 2 7/8 | 2 1/2 | 2 7/8 | 2 1/2 | 2 7/8 | 2 1/2 |
| Remarks..... | | Good. | | Good | | Good | | Good | | Good | |

In Nos 1 & 4 hatches there is a compartment 2-0 ft. from the fore end of plate + angle plates .40 thick.
* 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 Rules, 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? *2.5. 7/8* Strake between Main and Bridge Sheerstrakes? *Beam to keelson at 6" Coaming*

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. 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

Builder's name and yard number *Vessel is expected to sail from Antwerp 5th May 23*

Names of sister vessels

Owners *Secretary of State for India in Council.*

Address *London*

Fee £ *19 : 5 : 0.* Received by me
applied for 28/4/23