

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.—STEAM SHIPS.

FRI. JAN. 26 1923

N^o 16042A
30780

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 *London*
Date of Survey *July 25, 1923*
Name of Surveyor *W. H. R. R. R.*

"ALGBURTH"

Ship's Name. *FEDERLAND*
Number in Register Book *59572*
Port of Registry and Nationality. *London*

Official Number.

Gross Tonnage.

Date of Build.

Particulars of Classification.

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	<i>220.0</i>	<i>35.1</i>	<i>13.8</i>	<i>854</i>
Length on LOADLINE.	<i>220.0</i>	Frame/Depth <i>6.3</i> Rule " <i>4</i> <i>-38</i> <i>Shaving fitted.</i>	Ceiling <i>fitted</i> Sheer <i>+65</i> <i>Level tank</i>	Peak Tanks <i>Incl.</i>
CORRECTED DIMENSIONS.	<i>220</i>	<i>34.72</i>	<i>14.45</i>	<i>854</i>

Moulded Depth as measured..... *15.10*

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

Co-efficient of fineness..... *.77*
Any modification necessary [Para. 4 (a) to (e)]* *COR.*
Co-efficient as corrected *.75*

Sheer { Stem..... *73*
at { Sternpost ... *34* } $\div 2 = 107$... Mean *53.5*

Sheer at $\frac{1}{3}$ of the length from { Stem *40*
Sternpost *21* } $\div 2 = 30.5$... Mean

Gradual mean Sheer *53.5 + 55.45*
Standard mean Sheer [Table, Para. 18] *54.47* $\div 55 = 55.45$

Difference..... *32.0* Correction
§ If limited as Para. 18 (f)..... *22.47* $\div 4 = 5.62$ *

$55.45 - 32.0 = 23.45 \div 36 = .65$
 -5.62

Rise in Sheer { At front of bridge house..... *4"*
from amidships { At after end of forecastle *44"*
[Para. 18 (e)]

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

Correction

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C.....
Correction for Length, if required (Para. 12, 13, and 14) *0'-8"*

Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14) *2-2 3/4*
Difference *1-6 3/4*
Percentage as below..... *50.8%*

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) *9.52*
Allowance for Deck Erections *-9 1/2"*

	Length.	Length allowed.	Height.
Forecastle.....	<i>23.0</i>	<i>23.0</i>	<i>7.0</i>
Bridge House.....	<i>54.0</i>	<i>54.0</i>	<i>7.0</i>
† Raised Qr. Dk.....	<i>77.0</i> $\times \frac{3.5}{3.8}$	<i>70.92</i>	<i>3.6</i>
Poop.....	<i>77.0</i>	<i>70.92</i>	<i>3.6</i>
Total.....	<i>154.0</i>	<i>147.92</i>	

Length of Ship *220* $= \frac{147.92}{220} = .672$

Corresponding percentage {
(Para. 11, 12, 13, or 14) } *50.8%*

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (Iron) Deck:—
Fresh Water Line above centre of Disc
Indian Summer Line " " "
Winter Line below " " "
Winter North Atlantic Line " " "

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Winter Freeboard *1'-3 3/4"*
Summer Freeboard *1-2*
Indian Summer Freeboard *1-0 1/4*
N. A. Winter Freeboard *1-6 3/4*

Correction necessary because clearside amidships, measured in accordance with the Statute is not taken at the intersection of the wood (iron) deck with side. *1 1/2"*

Winter Freeboard from deck line *1-5 1/4*
Summer " " " *1-3 1/2*
Indian Summer " " " *1-1 3/4*
N. A. Winter " " " *1-8 1/4*

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 draft forward and aft, should be reported.

MARKING FORM
RECEIVED 8 FEB 1923

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~~ 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~~ 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.		No 1 23.0 x 15.0		No 2 21.9 x 15.0		No 3 19.2 x 15.0		No 4 17.3 x 15.0			
Item.		Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING.	Height above top of DECK	3' side		9' side		9' side		9' side			
	Thickness	3/4 inch		7/8 inch		7/8 inch		7/8 inch			
	Ends	44		44		44		44			
SHIFTING BEAMS OR WEB PLATES.	Number	4		4		3		3			
	Section and scantlings	3 1/2 x 3		4 x 3		4 x 3		4 x 3		15 deep	
	Material	42		40		40		40		for hatch ends	
* FORE AND AFTERS.	Number	None		None		None		None			
	Section and scantlings										
	Material										
HATCHES	Thickness	2 1/2		2 1/2		2 1/2		2 1/2		2 1/2	
	Remarks	Coaming supported by side rails		Coaming supported by side rails		Coaming supported by side rails		Coaming supported by side rails		Coaming supported by side rails	

* 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.

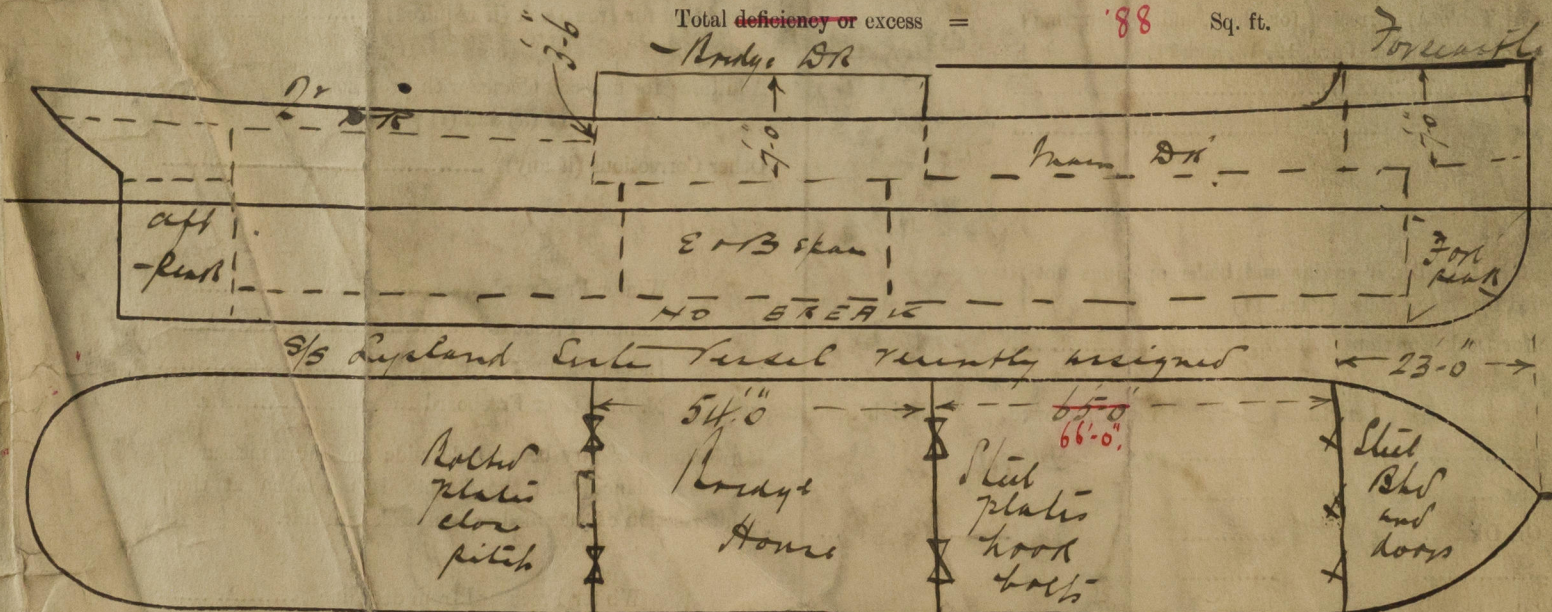
that do not apply { The arrangements to enable them to get backwards and forwards from their quarters are, ~~are not~~ satisfactory.

Length of Bulwarks in well 66'-0"

Area of Freeing Ports required by Para. 11 (e) each side of vessel = 13.2 Sq. ft.

Ft. Tenth. Ft. Tenth. No. } Freeing Ports (each side of vessel) = 14.08 Sq. ft.

Total deficiency or excess = 88 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 5 : 0 : 0

Received by me

5/2/23



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