

# Lloyd's Register of Shipping.

## 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 New YorkDate of Survey 5th. Nov. 1918.Name of Surveyor Robt. Cheetham.

Ship's Name.

**"FEDERAL"**

Port of Registry and Nationality.

U.S.A.

Official Number.

✓

Gross Tonnage.

✓

Date of Build.

1918

Particulars of Classification.

+100 A1. Shelter Dk. with Freeboard.

Number in Register Book

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE
	<u>395.5</u>	<u>55.0</u> <u>55.2</u> Ext.	<u>31.4</u>	<u>Incl. Peaks.</u> <u>5894</u>
Length on LOADLINE.	<u>395.16</u>	Frame Depth <u>8.3</u> Rule <u>7.0</u> <u>2 x 1.3 = 2.6</u>	Ceiling <u>4 1/2</u> Sheer <u>2 1/2</u> Depth to Bank <u>31.62</u> Bank rises to <u>6</u> at Margue.	Peak Tanks <u>less for oil fuel</u> <u>189.</u>
CORRECTED DIMENSIONS.	<u>395.16</u>	<u>54.98</u>	<u>31.38</u>	<u>5705</u>

Co-efficient of fineness.....

.838

Any modification necessary

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

Co-efficient as corrected .....

.81

Sheer correction for

604.10.59  
36 = .29

No Sheer for 1884. amidships.  
Sheer { Stem..... 7.6 }  
at { Sternpost 3.14 } 127.75 ÷ 2 = 63.875 Mean

Sheer at 1/2 of the length from { Stem 2.6 }  
{ Sternpost 1.14 } 44 ÷ 2 = 22 Mean

Gradual mean Sheer Plotted 38.93

Standard mean Sheer [Table, Para. 18] 49.52

Difference..... 10.59 ÷ 4 = 2.65

§ If limited as Para. 18 (f) ..... + 2.34

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

Fall in Sheer {  
Para. 18 (d) { ÷ 2 =

Length uncovered ..... Correction

## ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C. 9.94 - 3.3

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) .....

Difference ..... 3.35Percentage as below..... 31.05%

Correction for B. Q. Dk. if engine and boiler openings not  
covered by bridge house (Para. 11) .....

Allowance for Deck Erections ..... 12.4

	Length.	Length allowed.	Height.
Forecastle.....	<u>38.0</u>	<u>38.0</u>	<u>7.11</u>
Bridge House .....	<u>109.6</u>	<u>109.5</u>	<u>7.11</u>
† Raised Qr. Dk.....	<u>44.9</u>	<u>44.75</u>	<u>7.11</u>
Poop.....	<u>44.9</u>	<u>44.75</u>	<u>7.11</u>
Total .....	<u>192.3</u>	<u>192.25</u>	
Length of Ship .....	<u>395.16</u>	<u>395.16</u>	= <u>.4865</u>

Corresponding percentage {  
(Para. 11, 12, 13, and 14) 31.05%

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, (Iron) Deck:—

22-11-18	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 B.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.

Moulded Depth as measured... 34.1135.11  
4.3  
31.78

Addition for Keel below base line  
for draught record..... 2 inches.

## CORRECTION FOR LENGTH.

Length of Ship on Loadline..... 395.16Length in Table..... 419.00Difference..... 23.84Correction for 10ft., Table A. \*..... 1.7× Difference divided by 10..... 4.05If 1/10ths length covered divide by 2..... -4Table C. .8(if required.) 1.907-2

## CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered..... 4865Thickness of usual wood deck, less stringer..... 3 1/2

## CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... 55.0Round of Beam..... 12 Equivalent 10.89 (See back.)Normal round..... 13.75Difference..... 2.86 ÷ 2 = 1.43Proportion of Deck uncovered (Para. 19)..... 5135 + 3/4

NOTE.—The round of beam should be reported on the full breadth of vessel at the gunwale.

Freeboard, Table A..... 9.94Correction for Sheer..... + 2.34Correction for Length..... - 4Allowance for Deck Erections..... - 1.04Correction for Round of Beam..... + 3.4

Correction for fall in Sheer (if any)..... ✓

Correction for Iron Deck (if required)..... - 1.34

Additions for non-compliance with provisions of

Para. 11 (d) and (e) †

Other Corrections (if any)..... ✓

Winter Freeboard..... 8.74Summer Freeboard..... 8.04Indian Summer Freeboard..... 7.64

N.A. Winter Freeboard..... ✓

Correction necessary because clearside amidships, measured

in accordance with the Statute is not taken at the

intersection of the iron deck with side..... + 1Winter Freeboard from deck line..... 8.84Summer " " "..... 8.14Indian Summer " " "..... 7.74

N.A. Winter " " "..... ✓

Shelter

Winter Freeboard..... 8.14Summer " " "..... 7.64

Indian Summer " " "..... ✓

N.A. Winter " " "..... ✓

Shelter

Winter Freeboard..... 8.14Summer " " "..... 7.64

Indian Summer " " "..... ✓

N.A. Winter " " "..... ✓

Shelter

Winter Freeboard..... 8.14Summer " " "..... 7.64

Indian Summer " " "..... ✓

N.A. Winter " " "..... ✓

Shelter

Winter Freeboard..... 8.14Summer " " "..... 7.64

Indian Summer " " "..... ✓

N.A. Winter " " "..... ✓

Shelter

Winter Freeboard..... 8.14Summer " " "..... 7.64

Indian Summer " " "..... ✓

N.A. Winter " " "..... ✓

† 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.

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MARKING REPORT  
RECEIVED 22.11.18

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Do all the Frames extend to the top height in the Poop? *Long frames* Raised Quarter Deck? *Yes* Bridge House? *Long frames* Forecastle? *Long frames*  
 To what height do the Reverse Frames extend? *Long framing*  
 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 *2 hinged W.T. doors 4'-9" x 2'-2" clear opening*  
 Is the Poop ~~or 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 *2 hinged W.T. doors 5'-6" x 4'-0" clear opening*  
 What is the thickness of the Bridge Front plating? *.40* and Coaming plate? *.44*  
 Give scantlings and spacing of the Stiffeners *10" x 3-3/8 x .375 channels at each long beam*  
 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? *2 hinged W.T. doors 4'-8" x 2'-2" clear opening*  
 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? *Iron Bulk*  
 Are the Engine and Boiler openings covered by a Bridge, Poop, Raised Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse? *By steel deck house P. & S.*  
 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  
 What is the height of the exposed Casings? *Yes* 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. 31-6 x 17-8	No. 2. 31-6 x 17-8	No. 3. 10-6 x 17-8	No. 4. 31-6 x 17-8	No. 5. 31-6 x 17-8
Item.	Ship.	Rule.	Ship.	Rule.	Ship.
Height above top of Deck	2'-6"	20-4	2'-6"	2'-6"	2'-6"
Thickness	.50	.44	.50	.50	.50
SHIFTING BEAMS OR WEB PLATES	6	Same as No. 1.	2	Same as No. 1.	6
Material	Steel.	Steel.	Steel.	Steel.	Steel.
* FORE AND AFTERS	None.	None.	None.	None.	None.
HATCHES Thickness	2 3/4"	2 3/4"	2 3/4"	2 3/4"	2 3/4"
Remarks					

\* The depth of Fore and Afters should be stated from the underside of the hatches in all cases.

#### Sheer Particulars.

1	90.0	1	90.00
2	30.5	4	122.00
3	2.0	2	4.00
4	0	4	0
5	0	2	0
6	0	4	0
7	1.87	2	3.74
8	13.5	4	54.00
9 aft	37.75	1	37.75
		8	311.49
			38.93

(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.)

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.  
 Is the thickness of the Bridge Sheerstrake? *.60* Strake between Main and Bridge Sheerstrakes? *.60*

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.

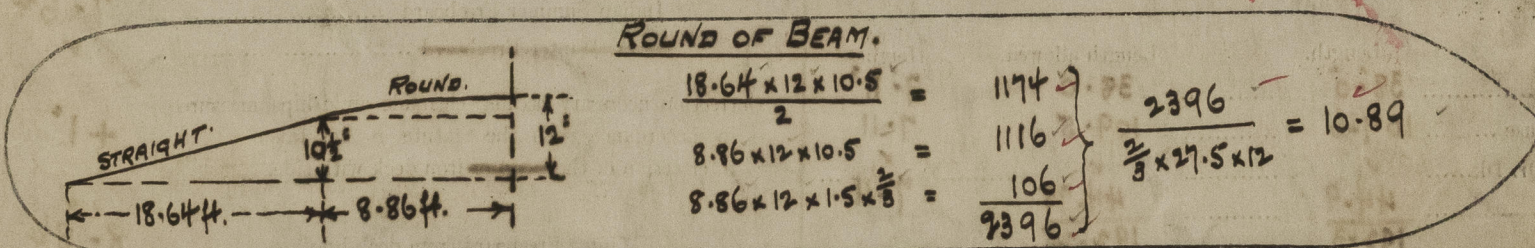
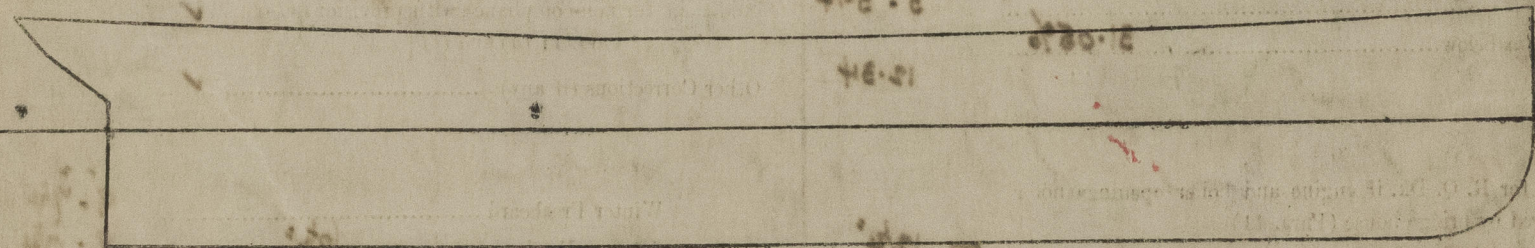
Length of Bulwarks in well

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

Ft. Tenths. Ft. Tenths. No.

Freeing Ports (each side of vessel)

Total deficiency or excess



Show hereon line of Floors or Tank Top with position of any Breaks in same; also height of Peak Tank tops, &c., &c.

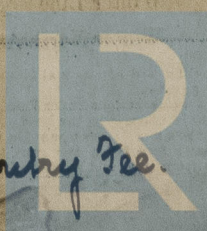
State any special features in the construction of the Vessel.

Owners

Address

Fee \$50

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