

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.—STEAM SHIPS.

PARTICULARS RELATING TO ~~THE~~ STEAM SHIP ~~ENTERED~~ ~~OR~~ WITH
TOP GALLANT FORECASTLE, SHORT POOP AND BRIDGE HOUSE DISCONNECTED, ~~OR~~
~~WITH TOP GALLANT FORECASTLE, SHORT POOP AND BRIDGE HOUSE DISCONNECTED, OR~~

Port of Survey Cleveland OhioDate of Survey 12 July 1917Name of Surveyor Frank Edwards

Ship's Name. "KIOWA" Port of Registry and Nationality. New York American Official Number. 203942 Gross Tonnage. 1917 Date of Build. 1917 Particulars of Classification. Hood A. Contemplated.

LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
251-0	43-5	20-0 ^{hull} 18-0 ^{hull}	1678.78
Length on LOADLINE. 251-0	Frame Depth 8 Rule " 5/8 3x5 = .50 no cargo battens + .33	Ceiling none + .20 Sheer + .61 3 drops in cambr + .12	Peak } Tanks } included
CORRECTED DIMENSIONS. 251-0	43-33	18-88 93	1678-78

Co-efficient of fineness..... .826
Any modification necessary }
[Para. 4 (a) to (e)]* } -.02 Cell D.B.
Co-efficient as corrected80

Sheer { Stem..... 72 1/2
at { Sternpost 41 1/4 } $113.75 \div 2 = 56.87$ Mean
Sheer at 1/8 of the length from { Stem 44 5/8
Sternpost 18 8 } $62.75 \div 2 = 31.37$ Mean
Gradual mean Sheer 57.05695 = 57.04
Standard mean Sheer [Table, Para. 18] 35.01 Correction
Difference..... 22.0 $\div 4 = 5.5$
§ If limited as Para. 18 (f)..... 21.85 = -5 1/2 ✓

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

¶ Fall in Sheer } 2 1/2 $\div 2 = 1 1/4$
Para. 18 (d) }
Length uncovered (Bridge House filled) Correction ✓

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C..... 1.5 3/4
Correction for Length, if required (Para. 12, 13, and 14) + 1/2
Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14) 3-8 7/8
Difference 2-1 3/4
Percentage as below..... 29.34%
 $\frac{29.34}{100} \times 25.75 = 7.55 = -7 1/2$ ✓

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

Allowance for Deck Erections -7 1/2 ✓

Length.	Length allowed.	Height.
Forecastle..... <u>26.0</u>	<u>26.0</u> ✓	<u>7-0</u>
Bridge House <u>64.0</u>	<u>64.0</u> ✓	<u>7-0</u>
Raised Q. Dk. <u>(25.0 closed)</u>	<u>-</u>	<u>-</u>
Poop..... <u>27.0</u>	<u>26.0</u> ✓	<u>7-0</u>
Total <u>117-0</u>	<u>116.0</u> ✓	<u>7-0</u>
Length of Ship <u>251-0</u>	<u>251.0</u> ✓	<u>466</u>

Corresponding percentage }
(Para. 11, 12, 13, and 14) } 29.34% ✓

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

17. T.

Moulded Depth as measured..... 20-0
Rise above lowest point of sheer + 2 1/2
Addition for Keel below base line 20-2 1/2
for draught record..... inches.

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

CORRECTION FOR LENGTH.

Length of Ship on Loadline..... 251.0
Length in Table 242.5
Difference 8.5
Correction for 10ft., Table A. 1.2 Table C. .6
× Difference divided by 10 10.20 (if required.) .51
If 1/10ths length covered divide by 2 1.02
+ 1 ✓ = + 1 1/2 ✓

CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered466
Thickness of usual wood deck, less stringer 3 1/2
= -1 1/2 ✓

CORRECTION FOR ROUND OF BEAM.

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

Breadth at Gunwale amidships..... 43.5
Round of Beam 12
Normal round..... 10 7/8
Difference 1 1/8 $\div 2 =$ - 1/2
Proportion of Deck uncovered (Para. 19) 534
- 1/4 -538

Freeboard, Table A 4-0 1/4
Correction for Sheer - 5 1/2
Correction for Length 3-8 7/8
Allowance for Deck Erections 7 1/2
Correction for Round of Beam..... - 1 1/4
Correction for fall in Sheer (if any)..... ✓
Correction for Iron Deck (if required) 1 1/2
Additions for non-compliance with provisions of }
Para. 11 (d) and (e) ‡ }
Other Corrections (if any) 2-10 1/2 ✓

Winter Freeboard 2-10 1/2
Summer Freeboard 2-7 1/2
Indian Summer Freeboard 2-4 1/2
N. A. Winter Freeboard 3-0 1/2

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. } + 1 3/4

Winter Freeboard from deck line 3-0 1/4
Summer " " " 2-9 1/4
Indian Summer " " " 2-6 1/4
N. A. Winter " " " 3-2 1/4

Winter Freeboard from deck line 2-9

Summer " " " 4 1/2

Indian Summer " " " 3

N. A. Winter " " " 3

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, vessel's draft at time of survey, and also the usual load draft forward and aft should be reported.

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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? *Alternate channel frames to Bridge out.*
 Has the Poop ~~Raised Quarter~~ Deck an efficient Iron Bulkhead at the fore end? *yes*
 Give particulars of the means for closing the openings in Bulkhead *yes closed*
 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 watertight door, with turnbuckles.*
 What is the thickness of the Bridge Front plating? *.34* and Coaming plate? *.38*
 Give scantlings and spacing of the Stiffeners *30" centres 7x15" channels*
 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? *bolted flats made watertight (bolts spaced 5" and 4 1/2" apart)*
 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?
 Are the Engine and Boiler openings covered by a Bridge, Poop, Raised *yes*
~~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? *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?
 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.		<i>Two hatches on After deck and Two hatches on Forward D. all 28'-0" x 18'-0"</i>									
Item.		Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING.	Height above top of DECK	<i>3'-6"</i>	<i>2'-0"</i>								
	Thickness { Sides.....	<i>.50</i>	<i>.50</i>								
	{ Ends.....	<i>.50</i>	<i>.50</i>								
SHIFTING BEAMS OR WEB PLATES.	Number <i>2</i>	<i>angles all 4x3x98</i>									
	Section and Scantlings <i>5</i>	<i>7 1/2 x 24</i>									
	Material <i>Steel</i>	<i>11 L x 1</i>									
* FORE AND AFTERS.	Number <i>5</i>	<i>8x7 1/2 centre</i>									
	Section and Scantlings	<i>7 1/2 x 6 1/2 at sides</i>									
	Material <i>Pine wood</i>										
HATCHES Thickness		<i>3</i>									
Remarks		<i>good</i>									

* 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?*

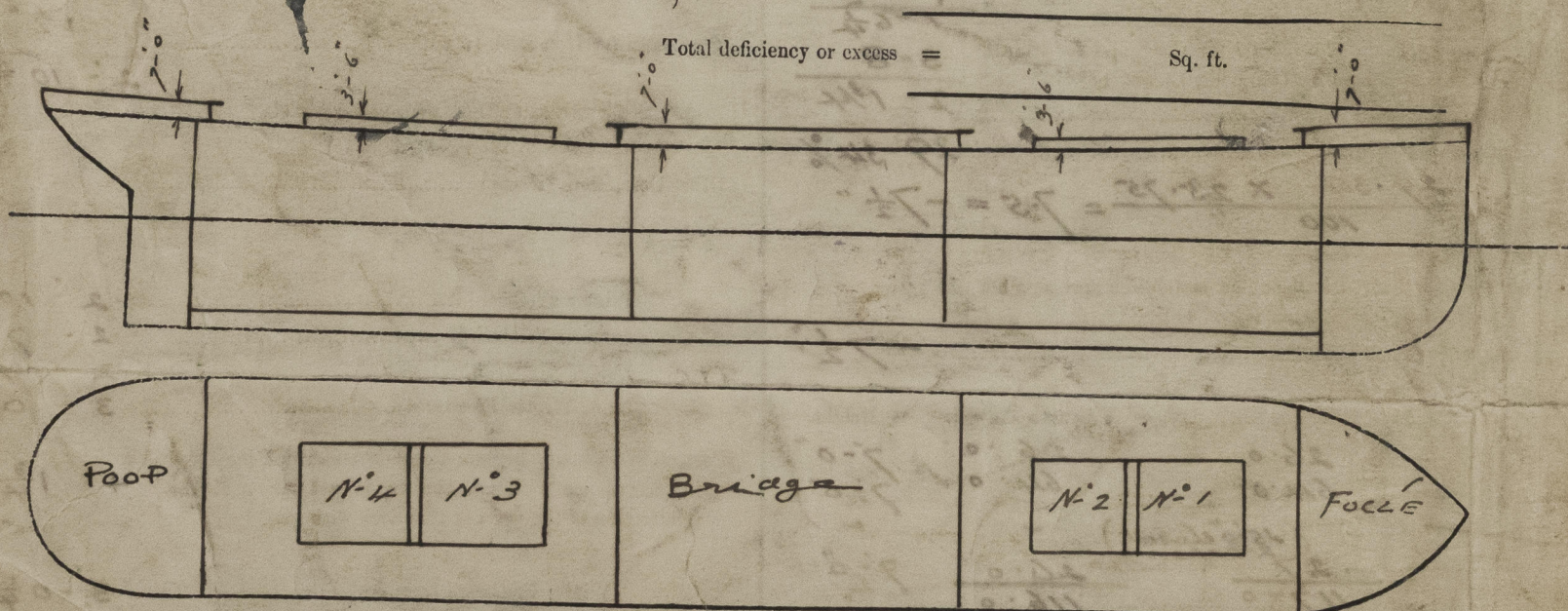
Delete the words { The Crew are, are not, berthed in the bridge house.
 that do not apply { The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory.

Length of Bulwarks in well

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

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

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 *This Vessel is a Sister Vessel to SS "CARMEN" recently constructed by the American Shipbuilding Co. their shipyard N°465. Other Sister Vessels are N°s 459, 460, 461, 462, 463, 464 recently constructed by American Mfg. Co. approved plans of the firm of Sister Vessels are in the office of the Lloyd's Register with First Entry Report.*

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