

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.—STEAM SHIPS.

No 2419.
24784
WED. 16. AUG. 1916

ARTICULARS 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 PHILADELPHIA.
Date of Survey While building.
Name of Surveyor A. Harbert

Ship's Name. <u>DANZIGER (Whampoa No 428)</u>	Port of Registry and Nationality. <u>Los Angeles</u> <u>USA.</u>	Official Number. <u>✓</u>	Gross Tonnage. <u>6487.</u>	Date of Build. <u>1916.</u>	Particulars of Classification. <u>+100 A 1. Carrying Deck in bulk.</u> <u>Longitudinal framing.</u>
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Registered Dimensions from Register.	LENGTH. <u>430.0</u>	BREADTH. <u>58.2</u>	DEPTH. <u>33.3</u> <i>meas.</i>	UNDER DECK TONNAGE. <u>5784.19</u>
Length on LOADLINE.	<u>430.</u>	Frame Depth Rule <u>58.2</u>	Depth <u>30.0</u> <i>to 30' depth.</i>	Peak Tanks <u>✓</u>
CORRECTED DIMENSIONS.	<u>430</u>	<u>58.23</u>	<u>30.33</u>	<u>5784.19</u>

Moulded Depth as measured..... 33:4
Draft marks are measured from a point 1.68 below Baseline
Buttstraps .70 thick are below this

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

33-4
1-2
34-6
2-6
32-0

CORRECTION FOR LENGTH.

Length of Ship on Loadline.....	<u>430</u>
Length in Table	<u>400</u>
Difference	<u>30</u>
Correction for 10ft., Table A.	<u>1.67</u>
× Difference divided by 10	<u>+5</u>
If $\frac{1}{10}$ ths length covered divide by 2	<u>✓</u>

CORRECTION FOR IRON DECK.

Proportion covered, if less than $\frac{1}{10}$ ths length covered591
Thickness of usual wood deck, less stringer 4.64 = 3.36
-2

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....
Round of Beam 14.2 *in 58 ft.*
Normal round.....
Difference ÷ 2 = ✓
Proportion of Deck uncovered (Para. 19)

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

Freeboard, Table A	<u>8. 10 3/4</u> ✓
Correction for Sheer	<u>✓</u>
Correction for Length	<u>+5</u>
Allowance for Deck Erections	<u>9. 3 3/4</u> ✓
Correction for Round of Beam.....	<u>-11 1/2</u> ✓
Correction for fall in Sheer (if any).....	<u>8. 4 1/2</u> ✓
Correction for Iron Deck (if required)	<u>-2</u>
Additions for non-compliance with provisions of Para. 11 (d) and (e) †	<u>8. 2 1/2</u> ✓
Other Corrections (if any)	<u>✓</u>
Winter Freeboard	<u>8. 2 1/2</u> ✓
Summer Freeboard	<u>7. 8 1/2</u> ✓
Indian Summer Freeboard	<u>7. 2 1/2</u> ✓
N.A. Winter Freeboard	<u>✓</u>

Correction necessary because clearside amidships, measured in accordance with the Statute is not taken at the intersection of the wood of iron deck with side. +13 1/4

Winter Freeboard from deck line	<u>8. 4 1/4</u> ✓
Summer " " "	<u>7. 10 1/4</u> ✓
Indian Summer " " "	<u>7. 4 1/4</u> ✓
N.A. Winter " " "	<u>✓</u>

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.

Efficient of fineness..... .76
Any modification necessary [Para. 4 (a) to (e)]*
Efficient as corrected76

Mean Sheer at Stem..... 7. 5
Mean Sheer at Sternpost..... 2. 8 3/4
 $10.13 \div 2 = 6.87$ Mean 36
Mean Sheer at 1/2 of the length from Stem..... 4. 1 1/2
Mean Sheer at 1/2 of the length from Sternpost..... 1. 2
 $5.32 \div 2 = 3.175$ Mean
Standard mean Sheer 31.75
Standard mean Sheer [Table, Para. 18] 31.8
Difference..... .05 ÷ 4 = ✓
If limited as Para. 18 (f)..... ✓

Rise in Sheer from amidships }
At front of bridge house.....
At after end of forecastle.....
Fall in Sheer }
Para. 18 (d) } $1/2 \div 2 = 3/4$
Length uncovered 11.75
Correction + 1/4

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C.....	<u>5. 9 1/4</u> ✓
Correction for Length, if required (Para. 12, 13, and 14)	<u>+ 2 1/2</u>
Freeboard by Table A. corrected for sheer, and for length, if required (Para. 12, 13, and 14)	<u>9. 3 3/4</u> ✓
Difference	<u>3. 4</u>
Percentage as below.....	<u>28.85%</u>
Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11)	<u>✓</u>
Allowance for Deck Erections	<u>-11 1/2</u>

Length.	Length allowed.	Height.
Forecastle..... <u>49.25</u>	<u>49.25</u> ✓	<u>8.0</u>
Large House..... <u>5.14</u>	<u>5.14</u> ✓	<u>3.0</u>
Raised Qr. Dk..... <u>18.0</u>	<u>18.0</u> ✓	<u>8.0</u>
Other..... <u>20.0</u>	<u>20.0</u> ✓	<u>3.0</u>
Total..... <u>103.25</u>	<u>103.25</u> ✓	<u>8.0</u>
Length of Ship	<u>195.64</u>	<u>455</u>

Corresponding percentage (Para. 11, 12, 13, or 14) 28.85%

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	" " "

18 AUG 1916

the frames, skin planking, or ceiling are of unusual thickness the breadth of vessel to inside of ceiling should be reported if possible.
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.
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.

Do all the Frames extend to the top height in the Poop? *Yes* Raised Quarter Deck? *✓* Bridge House? *Yes* Forecastle? *Yes*
 To what height do the Reverse Frames extend? *Longitudinal Bracing*
 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 *Closed*
 Is the Poop or Raised Quarter Deck connected with the Bridge House? *No* Has the Bridge House an efficient Bulkhead at the fore end? *No*
 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? *No*
 How are the openings closed? *✓*
 Is the Forecastle at least as high as the main or top-gullant rail? *Yes* Has the Forecastle an efficient Iron or Wood Bulk'd. at after end? *Yes except at the*
 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? *✓*
 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:— *Yes*

Position and Size.	Fore Hatch 8'x15' 6"		Old Cargo Hatches 5'x6' (10 pairs)		Summer Hatches 5'x6' (5 pairs)		Coal Hatch on Poop 6'x14'		Ship.	Rule.
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING. Height above top of DECK	24	24	42	24	24	24	18	18		
	Thickness { Sides..... } 44 { Ends..... } 44		6x3 1/2 x 40 angle on frame 1/2 sides 1/40 top		} 38 { 38		} 44 { 44			
SHIFTING BEAMS OR WEB PLATES.	Number									
	Section and Scantlings	None	None	None	None	None	None	None		
	Material									
* FORE AND AFTERS.	Number									
	Section and Scantlings	None	None	None	None	None	None	None		
	Material									
HATCHES Thickness	all steel covers suitably stiffened									
Remarks.....	✓									

* 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? _____

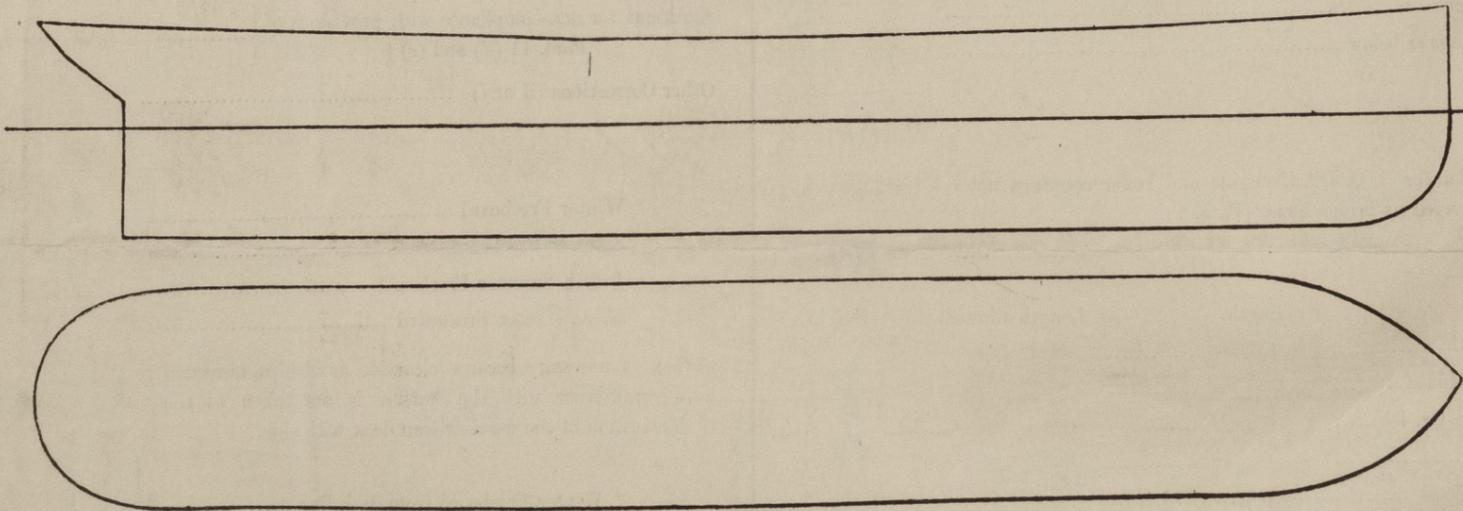
Delete the words { The Crew are, are not, berthed in the bridge house. that do not apply { The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory.

Length of Bulwarks in well _____

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

Ft.	Tenths.	Ft.	Tenths.	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 similar to the same Builders nos 431-2 which were provisionally assigned a freeboard of 7.10 1/2 ft. See Ltr 10 Feb 16 (1) Reg No 2336. Approved plans of this vessel are in London Office. Request is enclosed. It is requested that freeboards approved be transmitted by cable.*
W. Cramp & Sons 5 & 6 Bldg.

Address **PHILADELPHIA.**

Fee £ _____

Received by me _____

Octavius Barber
 Lloyd's Register
 4 Aug 1916