

Cloud's Register of Shipping. SURVEYS FOR FREEBOARD.—STEAM SHIPS.

28083

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 Philadelphia Pa.
Date of Survey 6th August 1919.
Name of Surveyor James B. Butler

Ship's Name. S.S. "SUNSHINE"
Port of Registry and Nationality. Philadelphia
Official Number. ✓
Gross Tonnage. ✓
Date of Build. Building
Particulars of Classification. +100A1 Carrying petroleum in bulk (contemplated.)

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	<u>429.3</u>	<u>59.23</u>	<u>31.4 to assumed line</u>	<u>6537.17</u>
Length on LOADLINE.	<u>430.0</u>	MEAN Frame Depth 9 Rule " 7 <u>- .33</u> <u>No cargo battens</u> <u>+ .33</u>	No Ceiling + .20 Sheer + .20	Peak Tanks } <u>Dual</u>
CORRECTED DIMENSIONS.	<u>430.0</u>	<u>59.23</u>	<u>31.80</u>	<u>6580.17</u>

Moulded Depth as measured.....33' 3"
Addition for keel below base line for draught record 2.38 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.....	<u>430' 0"</u>	✓
Length in Table	<u>399.0</u>	✓
Difference	<u>31.0</u>	✓
Correction for 10ft., Table A.	<u>1.65</u>	✓
× Difference divided by 10	<u>5.11</u>	✓
If $\frac{1}{10}$ ths length covered divide by 2	<u>+ 5"</u>	✓
	<u>+ 2 1/2"</u>	✓

CORRECTION FOR IRON DECK.

Proportion covered, if less than $\frac{1}{10}$ ths length covered	<u>.488</u>
Thickness of usual wood deck, less stringer	<u>4.69</u>
	<u>3.31</u>

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	<u>59</u>
Round of Beam	<u>14 3/4</u>
Normal round.....	<u>14 3/4</u>
Difference	<u>✓ ÷ 2 =</u>
Proportion of Deck uncovered (Para. 19)	<u>✓</u>

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

Co-efficient of fineness......81 ✓
Any modification necessary {
[Para. 4 (a) to (e)]* }
Co-efficient as corrected81 ✓

Sheer { Stem.....112.57
at { Sternpost ...56.25 } $168.62 \div 2 = 84.31$...Mean
Sheer at $\frac{1}{2}$ of the length from { Stem 33
Sternpost 16 } $49 \div 2 = 24.5$...Mean
Gradual mean SheerPlotted 45.63 ✓
Standard mean Sheer [Table, Para. 18]53 ✓
Difference.....7.37 $\div 4 = 1.84$ ✓
§ If limited as Para. 18 (f).....✓ $+ 1 3/4$
No sheer for 172' amidships = 40'

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

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

ALLOWANCE FOR DECK ERECTIONS :—

Freeboard, Table C.....	<u>5' 9 3/4</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 - 1 1/4</u>
Difference	<u>3 - 7 3/4</u>
Percentage as below.....	<u>31.16%</u>

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) }
Allowance for Deck Erections13 3/4

	Length.	Length allowed.	Height.
Forecastle.....	<u>40.38</u>	<u>40.38</u> ✓	<u>8.0</u>
Bridge House	<u>36.46</u>	<u>36.46</u> ✓	<u>8.0</u>
† Raised Qr. Dk.....	<u>✓</u>	<u>✓</u>	<u>✓</u>
Poop.....	<u>133.0</u>	<u>133.0</u> ✓	<u>8.0</u>
Total	<u>209.84</u>	<u>✓</u>	<u>✓</u>
Length of Ship	<u>430</u>	<u>✓</u>	<u>488</u>

Corresponding percentage {
(Para. 12, 13, and 14) } 31.16% ✓

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

29. 8. 19.	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.

Freeboard, Table A	<u>9' 1 1/4</u>
Correction for Sheer	<u>+ 1 3/4</u>
Correction for Length	<u>9 - 3</u>
Allowance for Deck Erections	<u>1 - 1 1/2</u>
Correction for Round of Beam.....	<u>8 - 6 1/4</u>
Correction for fall in Sheer (if any).....	<u>✓</u>
Correction for Iron Deck (if required)	<u>- 1 1/2</u>
Additions for non-compliance with provisions of { Para. 11 (d) and (e) † }	<u>8 - 5 3/4</u>
Other Corrections (if any)	<u>✓</u>

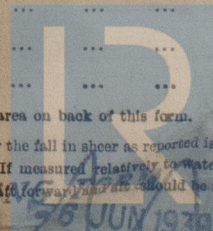
Winter Freeboard	<u>8 - 5 1/4</u>
Summer Freeboard	<u>7 - 10 3/4</u>
Indian Summer Freeboard	<u>7 - 5 3/4</u>
N. A. Winter Freeboard	<u>✓</u>

Correction necessary because clearside amidships, measured in accordance with the Statute is not taken at the intersection of the ~~wood or iron~~ STEEL deck with side. + 1 3/4 ✓

Winter Freeboard from deck line	<u>8 - 6 1/2</u>
Summer " " " "	<u>8 - 0 1/2</u>
Indian Summer " " " "	<u>7 - 6 1/2</u>
N. A. Winter " " " "	<u>✓</u>

Correction necessary because clearside amidships, measured in accordance with the Statute is not taken at the intersection of the ~~wood or iron~~ STEEL deck with side. + 1 3/4 ✓

† 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 draught 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*
 To what height do the Reverse Frames extend? *Longitudinal framing* Bridge House? *yes* Forecastle? *yes*
 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 *Two openings 5' 3" x 8' 1" closed with steel bolted plates*
 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 *No openings*
 What is the thickness of the Bridge Front plating? *.46* and Coaming plate? *.375*
 Give scantlings and spacing of the Stiffeners *10" x 3 1/2" x 3 1/2" 12 1/2" apart* *43" apart in line with deck longitudinal*
 Are bracket plates fitted at each end of the Stiffeners? *yes* Are bow or stern plates connecting Bridge Bulk'd. with Bulwarks? *yes*
 Has the Bridge House an efficient ~~Iron~~ ^{STEEL} Bulkhead at the after end? *yes*
 How are the openings closed? *Two openings 5' 3" x 8' 1" closed with steel bolted plates*
 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? *side houses*
 Are the Engine and Boiler openings covered by a Bridge, Poop, Raised Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse? *Covered by Poop + casing on top of same*
 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:— *yes*

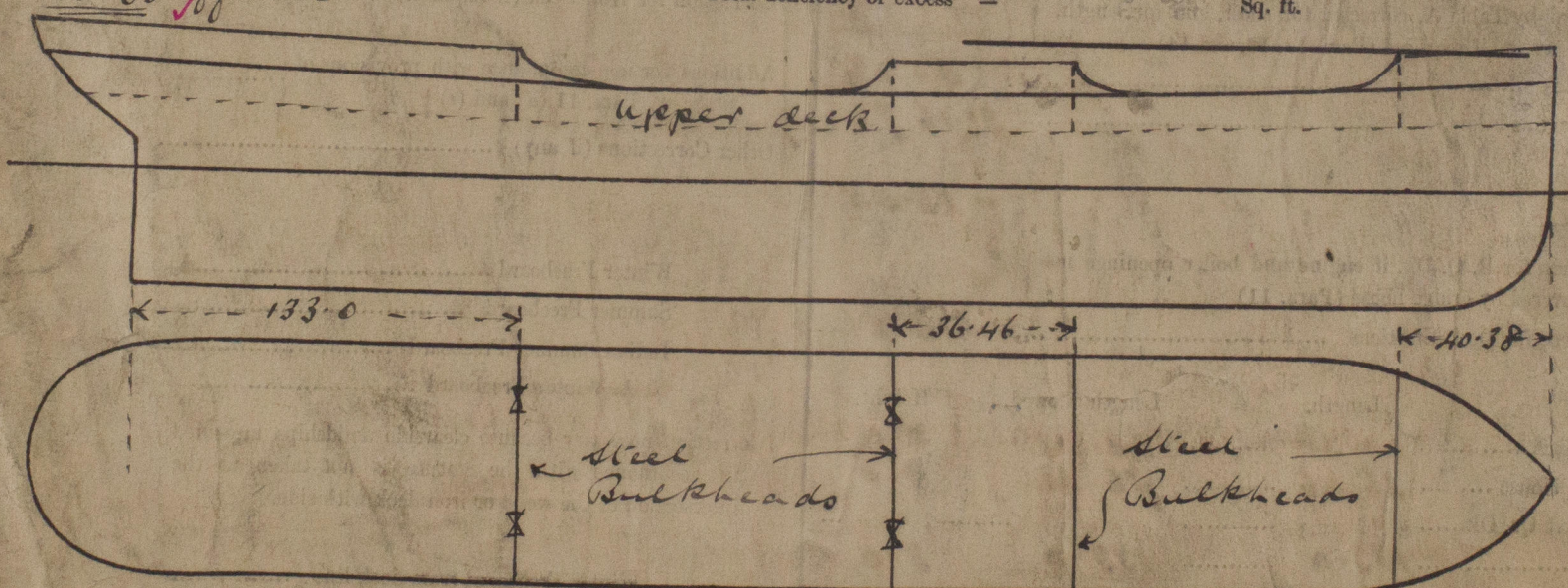
Position and Size.		N°1 - 8'0" x 15'3"		N°2 - 4'4" x 15'3"		N°3 - 6'4" x 15'3"		Coal Hatch on Poop	
Item.		Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING.	Height above top of DECK	30	30	Steel hinged	30	30	30	30	30
	Sides.....	.44	.44	covers fastened	.375	.44	.44	.44	.44
	Ends.....	.44	.44	with drop bolts	.375	.44	.44	.44	.44
SHIFTING BEAMS OR WEB PLATES.	Number			spaced about	15" apart	Steel hinged	Two	16" x .32	
	Section and Scantlings					covers .38 thick		11" x 3 1/2" x .44	
	Material			Covers .38 thick		fastened with drop bolts		Steel	
* FORE AND AFTERS.	Number	3							
	Section and Scantlings	7" x 9" x .50							
	Material	Steel							
HATCHES Thickness		3	3						
Remarks.....									

* The depth of Fore and Afters should be stated from the underside of the hatch covers.
 (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.)

112.37 1 112.37
 13.0 4 132.0
 0 2 0
 0 4 0
 0 2 0
 0 4 0
 0.25 2 0.50
 0 4 64.0
 56.25 1 56.25
 24 365.12
 15.21 Mean end sheer
 45.63 Effective

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 = *13.0* Sq. ft.
 Ft. Tenths. Ft. Tenths. No.
 } Freeing Ports (each side of vessel) = *36.46* Sq. ft.
 Total deficiency or excess = *40.38* 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 ship to the Steamers "Chester Sun", "Sabine Sun" & "Sunbeam" (Rpts N° 2689, 2725 & 3359). Copies of the approved plans are in the London Office. The signed request form, displacement scale & sketch of sheer curve and forwarded herewith.*

Owners

Address

Fee £ 50.00 will be charged with entry
 Received by me