

# Lloyd's Register of Shipping

## SURVEYS FOR FREEBOARD-STEAM SHIPS.

29595

4011

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 24<sup>th</sup> November 1920  
Name of Surveyor James B. Butler

Ship's Name S.S. AGWIMARS Port of Registry New York Official Number U.S.A. Gross Tonnage 6776.33 Date of Build Building Particulars of Classification +10001 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>33.2</u>	<u>6776.33</u>
Length on LOADLINE.	<u>430.0</u>	MEAN Frame Depth <u>9</u> Rule <u>" 7/2 "</u>	Ceiling <u>+20</u> Sheer <u>-20</u>	Peak Tanks <u>incl</u>
CORRECTED DIMENSIONS.	<u>430.0</u>	<u>59.23</u>	<u>33.2</u>	<u>6852.58</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..... 430.0  
Length in Table ..... 399.0  
Difference ..... 31.0  
Correction for 10ft., Table A. .... 1.65 Table C. .8  
× Difference divided by 10 ..... 5.11 (if required.) 2.48  
If 1/10ths length covered divide by 2 +5" +2 1/2"

### CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered ..... .488  
Thickness of usual wood deck, less stringer 4.69 = 3.31 -1 1/2"

### CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... 58  
Round of Beam 14.38 equal to say 13.47  
Normal round..... 14.5  
Difference ..... 1.03 ÷ 2 = ..... .51  
Proportion of Deck uncovered (Para. 19) ..... .512 +1/4"

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

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

### ALLOWANCE FOR DECK ERECTIONS :-

Freeboard, Table C..... 5 - 9 3/4"  
Correction for Length, if required (Para. 12, 13, and 14) ..... +2 1/2"  
Freeboard by Table A. corrected for sheer, and for length, if required (Para. 12, 13, and 14) ..... 6 - 6 1/4"  
Difference ..... 9 - 8"  
Percentage as below..... 31.16%  
= -13.63

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) ..... -13 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>209.84</u>	<u>24.0</u>
Length of Ship.....	<u>430</u>	<u>430</u>	<u>488</u>

Corresponding percentage (Para. 11, 12, 13, or 14) 31.16%

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

Winter Freeboard from deck line ..... 8 - 6 1/4"  
Summer " " " ..... 8 - 0 1/4"  
Indian Summer " " " ..... 7 - 6 1/4"  
N. A. Winter " " " ..... 8 - 0"

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 1/4"

‡ If the frames, skin planking, or ceiling are of unusual thickness the breadth of vessel to include of ceiling should be reported if possible.  
† In vessels obtaining an allowance for deck erections under Para. 11 where the height of the R. Q. D. is to be taken from the level of the top of the amidships, the height of the R. Q. D. is to be taken from the level of the top of the amidships.  
§ In flush-decked vessels the total standard mean sheer means the sheer measured at the stem and stern post. In vessels having poops and forecastles, it means the sheer measured at points distant one eighth of the vessel's length from stem and stern post.

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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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? *Longitudinal 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 *Two openings 5'-3" x 3'-1 1/8" closed with steel bolted plates. Bolts 3/8" apart thro' bulkhead plates + doors made w.t.*  
 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? *4/16* and Coaming plate? *5/16*  
 Give scantlings and spacing of the Stiffeners *10 x 3 1/2 x 32.2 lbs channel*  
 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? *Two openings 5'-3" x 3'-1 1/8" closed with steel bolted plates. Bolts 3/8" apart thro' bulkhead plates + door made watertight.*  
 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 *yes*  
 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.		No. 1. 9'-9" x 15'-3"		10 Pairs Oil Hatches 6' x 4'		5 Pairs Oil Hatches 6' x 4'		Coal Hatch on Poop 12'-0" x 14'-0"			
Item.		Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING.	Height above top of DECK	36		30		30		30			
	Sides	4/16		3/8		3/8		4/16			
	Ends	4/16		3/8		3/8		4/16			
SHIFTING BEAMS OR WEB PLATES.	Number			Steel hinged covers fastened with drop covers with drop bolts spaced about 12" apart		Steel hinged covers fastened with drop bolts spaced about 12" apart		Plating 10 x 3/8 angles 3 x 3 x 3/8			
	Section and Scantlings										
	Material			Steel		Steel		Steel			
* FORE AND AFTERS.	Number	3		about 12" apart		12" apart					
	Section and Scantlings	3/16 Plate 9 x 3/8 angles 3 x 3 x 3/8		Covers .38 thick		Covers .38 thick					
	Material	Steel									
HATCHES Thickness		3" spruce						3" spruce			
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.

Stem 12.37 1 112.37  
 1/8 33.0 4 132.0  
 1/4 0 2 0  
 3/8 0 4 0  
 1/2 0 2 0  
 3/4 0 4 0  
 1 25 2 50  
 1 16.0 4 64.0  
 Stem 56.25 1 56.25  
 24 365.12  
 15.21 = Mean end shear  
 45.63 = Effect of x

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.  
 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 ship to the steamer "Agwisum" (Report N° 3829) The signed request form and print of displacement curves re are forwarded herewith.*

Owners

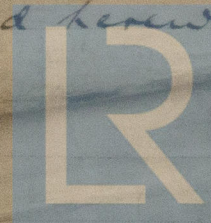
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