

REC'D NEW YORK MAY -3 1921

TUE. 17 MAY. 1921

Index No. 29963
(For London Office only.)

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 Philadelphia Pa.
Date of Survey 30th April 1921.
Name of Surveyor James S. Butler

Ship's Name **J. S. AGWIMEX**
Port of Registry and Nationality **New York U.S.A.**
Number in Register Book **4164**

Particulars of Classification **Building + 100 R1 shells dk with fhd. Car. pet. in bulk (cont)**

Registered dimensions from ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	480.5	66.0	36.8	8811.60
Length on TINE.	480.0			
CORRECTED DIMENSIONS.	480.0	65.88	36.89	8912.96

Moulded Depth as measured..... 37'-0"
- 3"
36'-9" ✓

Addition for Keel below base line for draught record. 2.58 inches.

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

Co-efficient of fineness..... 765 ✓
Any modification necessary [Para. 4 (a) to (e)]* ✓
Co-efficient as corrected..... 765 ✓

CORRECTION FOR LENGTH.

Length of Ship on Loadline.....	480
Length in Table	441
Difference	39
Correction for 10ft., Table A.	1.7
× Difference divided by 10	6.63 (if required.)
If $\frac{6}{10}$ ths length covered divide by 2	+ 6 $\frac{3}{4}$

Sheer at Stem..... 121 }
at Sternpost... 61.62 } $182.62 \div 2 = 91.31$ Mean $\frac{36}{106} \cdot 83$

Sheer at $\frac{1}{2}$ of the length from Stem 38.50 }
Sternpost 21.50 } $60.00 \div 2 = 30.00$ Mean

Gradual mean Sheer Plotted..... 54.17 ✓
Standard mean Sheer [Table, Para. 18] 58.00 ✓
Difference..... $3.83 \div 4 = .96$ ✓
Correction + 1" ✓

CORRECTION FOR IRON DECK.
Proportion covered, if less than $\frac{1}{10}$ ths length covered
Thickness of usual wood deck, less stringer

Allowed in reduced moulded depth

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

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	64.75
Round of Beam..... Equivalent 16.66	
Normal round..... equal to 16.19 see sketch	
Difference..... $.47 \div 2 = .23$	
Proportion of Deck uncovered (Para. 19).....	- $\frac{1}{4}$

ALLOWANCE FOR DECK ERECTIONS :-

Freeboard, Table C.....	✓
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	✓
Percentage as below.....	✓
Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) }	✓
Allowance for Deck Erections	✓

Freeboard, Table A	10 - 3 $\frac{1}{2}$
Correction for Sheer	+ 1
Correction for Length	10 - 4 $\frac{1}{2}$
Allowance for Deck Erections	+ 6 $\frac{3}{4}$
Correction for Round of Beam.....	10 - 11 $\frac{1}{4}$
Correction for fall in Sheer (if any).....	- $\frac{1}{4}$
Correction for Iron Deck (if required)	10 - 11
Additions for non-compliance with provisions of Para. 11 (d) and (e) †	✓
Other Corrections (if any)	✓
Winter Freeboard	10 - 11
Summer Freeboard	10 - 4 $\frac{1}{2}$
Indian Summer Freeboard	9 - 10
N. A. Winter Freeboard	✓

	Length.	Length allowed.	Height.
Forecastle.....	43'-8"	✓	7'-6"
Bridge House	✓		
† Raised Qr. Dk.....	✓		
Poop.....	✓		
Total	✓		
Length of Ship	✓		
Corresponding percentage (Para. 11, 12, 13, or 14) }	✓		

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 $\frac{1}{2}$ ✓

Winter Freeboard from deck line	11 - 0 $\frac{1}{2}$
Summer " " " "	10 - 6
Indian Summer " " " "	9 - 11 $\frac{1}{2}$
N. A. Winter " " " "	✓
Shells (Iron) Deck :-	10 - 6
7 $\frac{1}{4}$	
6 $\frac{1}{2}$	
6 $\frac{1}{2}$	

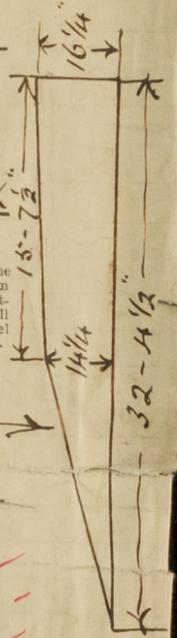
FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (Iron) Deck :-

Fresh Water Line above centre of Disc	✓
Indian Summer Line " " " "	✓
Winter Line below " " " "	✓
Winter North Atlantic Line " " " "	✓

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.

19. T. 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 erection 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 stern-post. In vessels having poops and forecastles, it means the sheer measured at points distant one-tenth of the vessel's length from stem and stern-post.



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Longitudinal framing

Do all the Frames extend to the top height in the Poop? *Longitudinal framing* Raised Quarter Deck? Bridge House? 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?

Give particulars of the means for closing the openings in Bulkhead

Is the Poop or Raised Quarter Deck connected with the Bridge House? Has the Bridge House an efficient Bulkhead at the fore end?

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?

How are the openings closed?

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? *Steel 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 wing houses on Shelter deck*

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 *Plating .30. Stiffeners 7/4" x 3" x .32 spaced 30" apart*

What is the height of the exposed Casings? *8'-0"* 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. 11'-0" x 17'-0"		N-2. 12 Pairs		N-3. 5 Pairs			
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING								
Height above top of DECK	30		30		15			
Thickness								
Sides	.44	✓	.37	✓	.40	✓		
Ends	.44		.37		.40			
SHIFTING BEAMS OR WEB PLATES								
Number								
Section and Scantlings								
Material								
* FORE AND AFTERS								
Number	3							
Section and Scantlings	7/16" Plate 11 x 37		Steel hinged covers fastened with drop bolts spaced about 18" apart		Steel bolted plate covers .40 thick efficiently			
Material	Steel							
HATCHES Thickness	3" spruce		Covers .38 thick		stiffened Bolted spaced 3 3/4" apart			
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.)

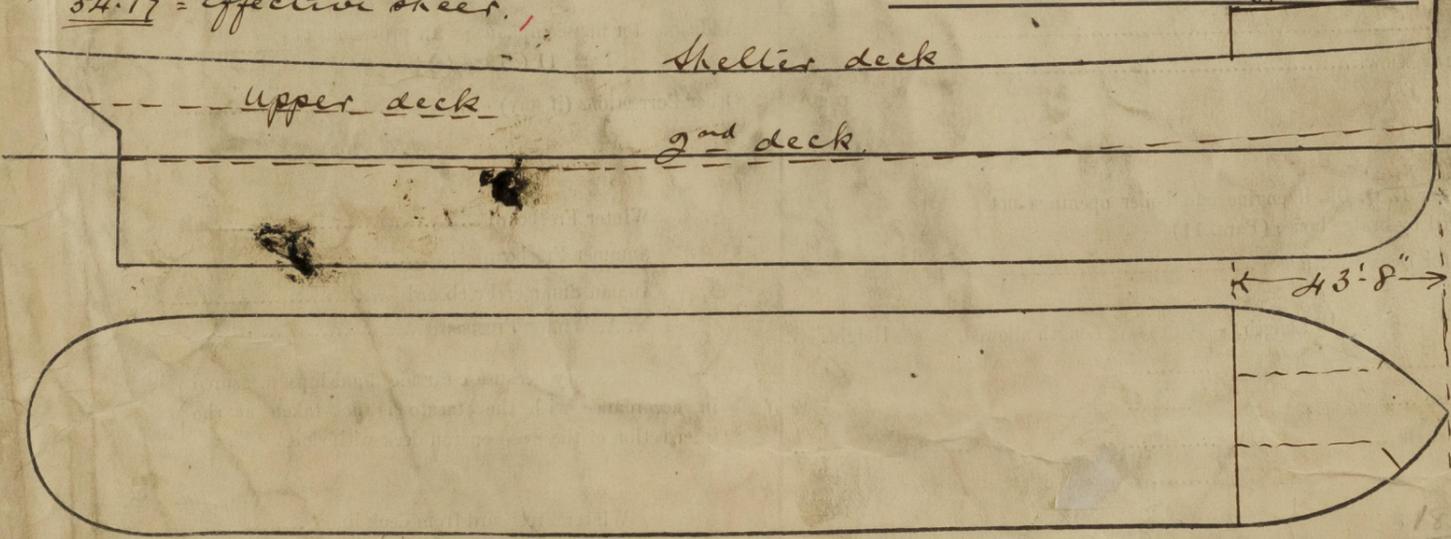
The following information is to be given in all Cases of vessels dealt with under Paras. 11, 12 (under 15 feet Moulded depth) and under Shelter Deck Rules.

Shelter deck sheer

Stem	121.00	1	121.00
1/8"	38.50	4	154.00
1/4"	3.75	2	7.50
3/8"	0	4	0
1/2"	0	2	0
5/8"	0	4	0
3/4"	1.62	2	3.24
7/8"	21.50	4	86.00
Keel	61.62	1	61.62
		8	433.36
			54.17 = Effective sheer.

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

Length of Bulwarks in well _____ Sq. ft.
 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 "Agwachawte" (Report N. 4146) the signed request form and print of Displacement Curves &c. are forwarded herewith.*

Owners _____
 Address _____
 Fee £ _____
 Received by me _____
 Fee will be charged with 10% entry.

