

REC'D NEW YORK MAY -3 1921

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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 30<sup>th</sup> April 1921  
Name of Surveyor James S. Butler

Ship's Name S. S. AGWIMEX  
Port of Registry and Nationality New York U.S.A.  
Official Number ✓  
Gross Tonnage ✓  
Date of Build Building  
Particulars of Classification + 100 A1 shells dk with fbd. Car. pet. in bulk (cont)

Registered dimensions from ship's Register.  
LENGTH. 480.5  
BREADTH. 66.0  
DEPTH. 36.8  
UNDER DECK TONNAGE. 8811.60

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

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

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

Length on TNE. 480.0  
MEAN Frame Depth 10.7  
Rule 8  
No sparring + 33  
Peak 30 aft + 73.36  
Tanks 303 ford + 28.0

CORRECTED DIMENSIONS. 480.0 65.88 36.89 8912.96

Co-efficient of fineness..... .765

Any modification necessary [Para. 4 (a) to (e)]\* ✓

Co-efficient as corrected..... .765

Sheer { Stem..... 121 } 182.62 ÷ 2 = 91.31 Mean 36 3.83  
at { Sternpost..... 61.62 } .106

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

Gradual mean Sheer..... Plotted 54.17  
Standard mean Sheer [Table, Para. 18]..... 58.00

Difference..... 3.83 ÷ 4 = .96  
§ If limited as Para. 18 (f)..... ✓

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

Fall in Sheer { Para. 18 (d) } ÷ 2 =

Length uncovered..... ✓ Correction

### 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..... ✓

Forecastle..... 43'-8" Length allowed..... ✓ Height..... 7'-6"

Bridge House..... ✓

† Raised Qr. Dk..... ✓

Poop..... ✓

Total..... ✓

Length of Ship..... ✓

Corresponding percentage { Para. 11, 12, 13, or 14 }..... ✓

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 " " "..... ✓

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

3. 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.

4. 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.

2.19. T.

### CORRECTION FOR LENGTH.

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

### CORRECTION FOR IRON DECK.

Proportion covered, if less than  $\frac{7}{10}$ ths length covered.....

Thickness of usual wood deck, less stringer.....

Allowed in reduced moulded depth

### 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 ÷ 2 = 23  
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..... 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)..... ✓

Correction for Iron Deck (if required)..... ✓

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..... ✓

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 " " "..... 10 - 6

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 " " "..... 10 - 6

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  $\frac{1}{2}$

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N. A. Winter " " "..... 10 - 6

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  $\frac{1}{2}$



*Longitudinal framing*

Do all the Frames extend to the top height in the Poop? ☒ 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 1/4" 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			
	Sides	44	✓	37	✓	40	✓		
	Ends	44		37		40			
SHIFTING BEAMS OR WEB PLATES.	Number								
	Section and Scantlings	✓		✓		✓		✓	
	Material								
* FORE AND AFTERS.	Number	3		Steel hinged covers fastened		Steel bolted plate covers			
	Section and Scantlings	7 1/2" Plate 11 x 37 1 1/2" Angles 3 x 3 x 38		with drop bolts spaced about 18" apart		40 thick efficiently			
	Material	Steel							
HATCHES Thickness		3" Spruce		Covers 38 thick		stiffened Bolt spaced 3 3/4" apart			
Remarks		✓							

\* The depth of Fore and Afters should be stated from the underside of the hatches in all cases.

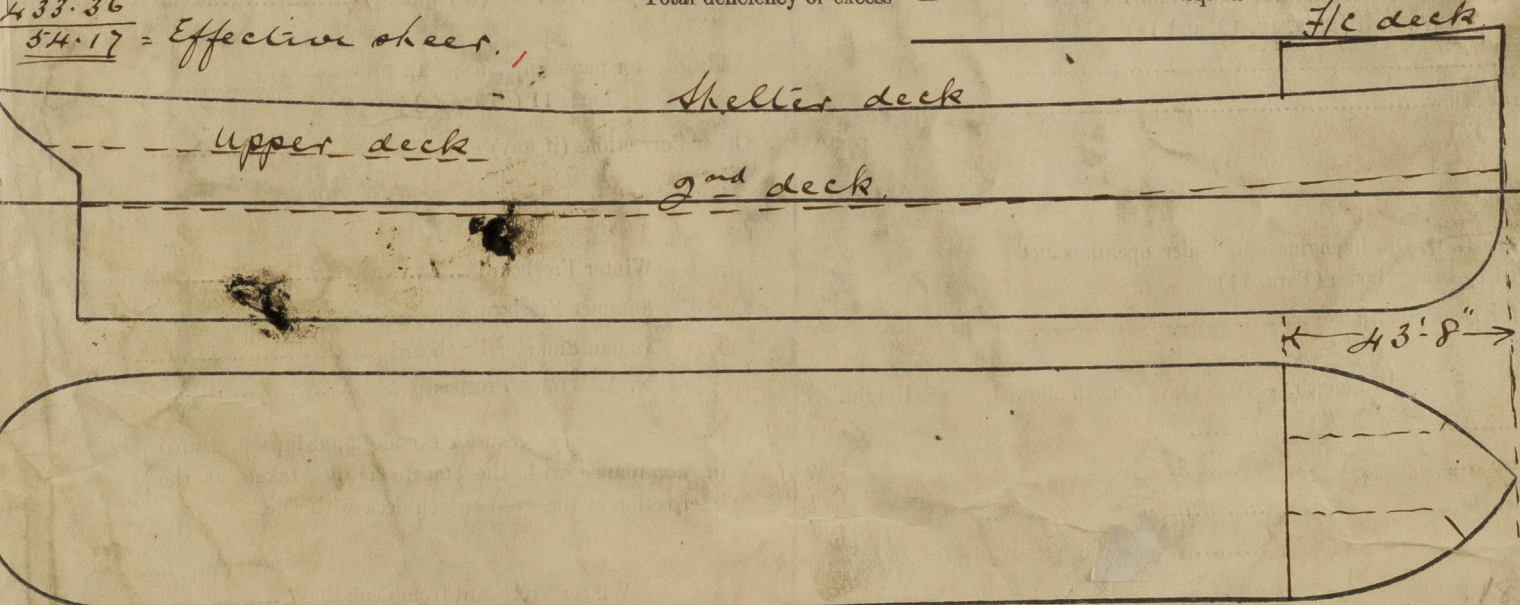
(If the sill of the lowest side scuttle will be less than 6 inches above the Indian Summer Load Line if assigned under the tables, state vertical distance from top of deck at side amidships to lower edge of lowest side scuttle.)

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.

What is the thickness of the Bridge Sheerstrake? ☒ Strake between Main and Bridge Sheerstrakes? ☒

*Shelter deck sheer*

Stem	121.00	1	121.00	Delete the words <i>The Crew</i> and <i>are</i> , berthed in the bridge house.	
1/8	38.50	4	154.00	that do not apply <i>The arrangements to enable them to get backwards and forwards from their quarters are, satisfactory.</i>	
1/4	3.75	2	7.50	Length of Bulwarks in well	
3/8	0	4	0	Area of Freeing Ports required by Para. 11 (e) each side of vessel =	
1/2	0	2	0	Sq. ft.	
3/4	0	4	0	Ft. Tenth. Ft. Tenth. No.	
1	1.62	2	3.24	Freeing Ports (each side of vessel) =	
1 1/8	21.50	4	86.00	Sq. ft.	
1 1/4	61.62	1	61.62	Total deficiency or excess =	
1 1/2		8	433.36	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 "Agurhavre" (Report N° 4146) The signed request form and print of Displacement Curves &c. are forwarded herewith.*

Owners

Address

Fee £

*Fee will be charged with 1st entry.*

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