

# Lloyd's Register of Shipping.

## SURVEYS FOR FREEBOARD.—STEAM SHIPS. 9350

RELATING TO ALL STEAM SHIPS EITHER FLUSH DECKED, OR WITH FORECASTLES, SHORT POOPS AND BRIDGE HOUSES DISCONNECTED, OR PLANT 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 W. Booth

Name of Ship <u>SS "ETHAN ALLEN"</u>	Port of Registry and Nationality <u>Glocester City, N. J. American</u>	Official Number	Gross Tonnage	Date of Build	Particulars of Classification <u>+100 A. Shelter Deck Building with freeboard. (Contemplated)</u>
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LENGTH <u>439.5</u>	BREADTH <u>60.2</u>	DEPTH <u>33.7 to Shelter Dk</u> <u>24.2 1/2 U.Dk</u>	UNDER DECK TONNAGE <u>7296.55 Shelter</u> <u>5279.56 U.Dk</u>
Registered Length on Loadline <u>439.16</u>	Frame Depth <u>7.75</u>	Ceiling fitted <u>Level tank</u> <u>2.1</u> <u>2.1 x 2 = .35</u>	Peak Tanks <u>Incl in above</u>
CORRECTED DIMENSIONS <u>439.16</u>	Rule <u>59.85</u>	Sheer <u>+1/8</u> <u>Level tank</u> <u>Depth to 2nd Dk 34.25</u> <u>Ceiling fitted</u> <u>Depth to 2nd Dk 34.25</u>	<u>7296.55 Shelter</u> <u>5279.56 U.Dk</u>

Moulded Depth as measured... 36.8 Shelter Dk  
27.8 Upper Dk

Addition for Keel below base line for draught record... 2 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>439.16</u>
Length in Table	<u>440</u>
Difference	<u>.84</u>
Correction for 10ft., Table A.	<u>1.7</u>
× Difference divided by 10	<u>.14</u>
If 1/10ths length covered divide by 2	<u>-1/4</u>

CORRECTION FOR IRON DECK.

Proportion covered, if less than 7/10ths length covered	<u>.503</u>
Thickness of usual wood deck, less stringer	<u>3 1/2</u>
	<u>1 3/4</u>

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships	<u>59.2</u>
Round of Beam	<u>equivalent to 13 1/2</u>
Normal round	<u>14.8</u>
Difference	<u>1.3</u>
Proportion of Deck uncovered (Para. 19)	<u>1.3 ÷ 2 = .65</u>
	<u>.497 + 1/4</u>

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

Freeboard, Table A	<u>10-4 1/4</u>
Correction for Sheer	<u>-1 3/4</u>
	<u>10-2 3/4</u>
Correction for Length	<u>-</u>
Allowance for Deck Erections	<u>10- 1/4</u>
	<u>-1- 1/4</u>
Correction for Round of Beam	<u>9- 2 1/4</u>
Correction for fall in Sheer (if any)	<u>9- 2 1/2</u>
Correction for Iron Deck (if required)	<u>-1 3/4</u>
Additions for non-compliance with provisions of Para. 11 (d) and (e) †	<u>9-0 3/4</u>
Other Corrections (if any)	<u>-</u>
Winter Freeboard	<u>9-0 3/4</u>
Summer Freeboard	<u>8-6</u>
Indian Summer Freeboard	<u>7-11 1/4</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 deck with side

Winter Freeboard from deck line	<u>9-1 1/2</u>
Summer " " " "	<u>8-6 3/4</u>
Indian Summer " " " "	<u>8-0</u>
N.A. Winter " " " "	<u>-</u>
Freeboard above centre of Disc	<u>8-6 1/2</u>
Winter Line	<u>7</u>
North Atlantic Line	<u>6 1/2</u>
	<u>7</u>

Co-efficient of fineness... .806 Shelter Dk  
.02 C.O.B.  
.786 Shelter Dk

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

Co-efficient as corrected

Sheer at stem 123  
at sternpost 38 1/2

Sheer at of the length from Plotted Curve 60.48

Gradual mean Sheer [Table, Para. 18] 53.92

Standard mean Sheer [Table, Para. 18] 6.56 ÷ 4 = -1 3/4

Corrected as Para. 1 10 1/2 - 2

At front of bridge house

At after end of forecastle

Correction

ALLOWANCE FOR DECK ERECTIONS:—

Table C	<u>10-4 1/4 - 3-3</u>	<u>7-1 1/4</u>
Length, if required (Para. 12, 13, and 14)		
Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14)	<u>10-2 3/4</u>	<u>3-1</u>
below	<u>32-24 1/2</u>	

For R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11)

Deck Erections -12

Length.	Length allowed.	Height.
<u>46.375</u>	<u>46.375</u>	<u>8'-0"</u>
Use <u>134.00</u>	<u>134.00</u>	<u>8'-0"</u>
Qr. Dk. <u>40.79</u>	<u>40.79</u>	<u>8'-0"</u>
Total	<u>221.165</u>	<u>503</u>
Length of Ship	<u>439.16</u>	
Corresponding percentage (Para. H, 12, 13, or 14)	<u>32.24%</u>	

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 " " "

North Atlantic Line " " "

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2, 3, 20

† State dimensions of freeing port area in 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, measured relatively to water line the vessel's draft at time of survey, and also the usual load, aft forward and aft should be reported.

Do all the Frames extend to the top height in the Poop? *Yes* *Longitudinal Framing* *Bridge House?* *Yes*  
 To what height do the Reverse Frames extend? *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 *Bolted plates on Channel for Bolts spaced*  
 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 *Bolted plates on Channel for Bolts spaced 5" apart*  
 What is the thickness of the Bridge Front plating? *.40* and Coaming plate? *.44*  
 Give scantlings and spacing of the Stiffeners *9 x 3 1/2 x 23.9 bulb angle with 4 x 3 1/2 x 9.1 Res angles Spaced 3'-0"*  
 Are bracket plates fitted at each end of the Stiffeners? *Yes* Are horn 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? *2 Doors Bolted plates on Channel frames*  
 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? *Yes*  
 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 Bridge*  
 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*

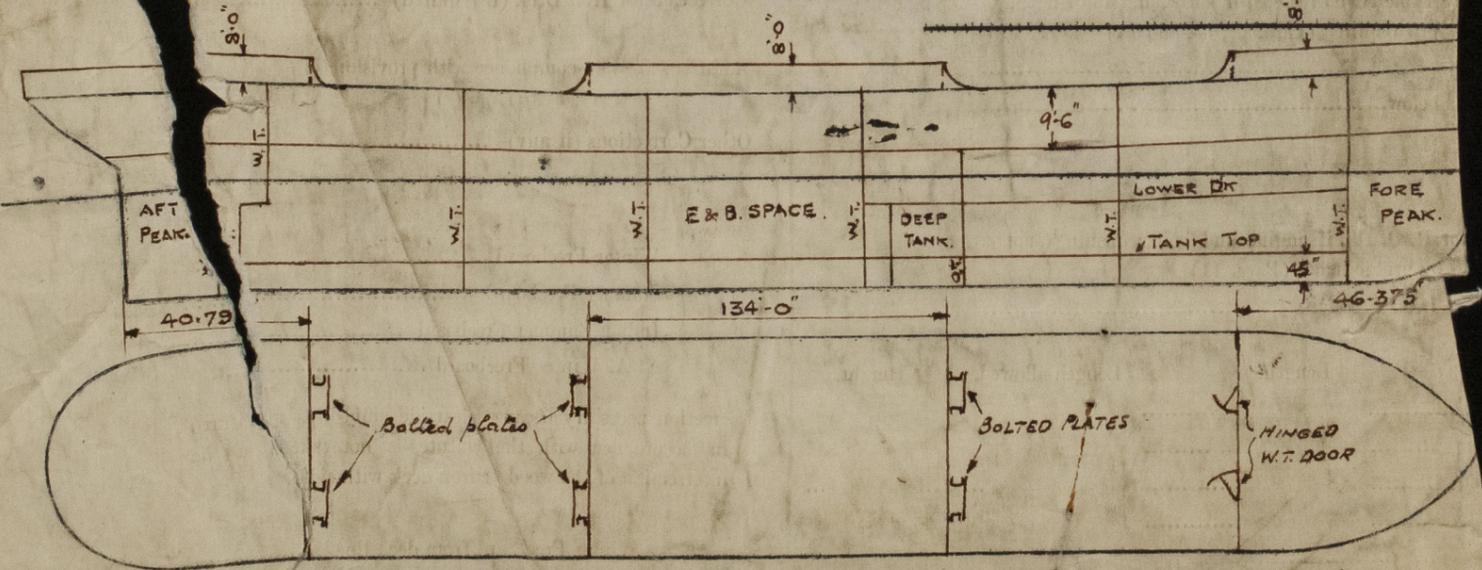
Position and Size.	HATCHES 1, 2 & 5. 36'-0" x 24'-0"		Hatch 3. 28'-0" x 24'-0" ON BRIDGE DECK		Hatch 4. 48'-0" x 24'-0"	
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING						
Height above top of DECK	<i>all hatches 29 1/4" deep @ 2" to 24" at sides.</i>					
Thickness	<i>.40</i>					
	<i>.44</i>					
SHIFTING BEAMS OR WEB PLATES	Hatch #1. 6 Hatch 2 & 5. 7 Section and Scantlings: <i>4 x 3 x 3.44 22" depth</i> Material: <i>40 plate</i> <i>4 x 3 x 3.44</i> <i>Shifting beams for all hatches as per sketch</i>					
FORE AND AFTERS	Number: <i>✓</i> Section and Scantlings: <i>✓</i> Material: <i>✓</i>					
HATCHES Thickness	<i>2 1/2"</i>					
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 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  
 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 =  Sq. ft.  
 (each side of vessel)  
 × × × }  
 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 S.S. "JOHN ADAMS" Philadelphia Rpt 3317, the freeboard being the same as assigned to that vessel. Freeboard form is attached herewith*

OWNERS *Builders Pusey Jones Co*  
 Address *Gloucester N.S.*

Fee of \$50.00 will be received by me  
 Charged with First Entry

