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# Lloyd's Register of Shipping.

## SURVEYS FOR FREEBOARD STEAM SHIPS.

Index No. **32974**  
(For London Office only.)

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.

American Shipbuilding Co. No 803

Port of Survey Cleveland Ohio  
Date of Survey While building  
Name of Surveyor E. Drummond

Ship's Name. ERTHA E. ALLEN Port of Registry and Nationality Whiting Ind. Official Number 2935 Gross Tonnage 1928 Date of Build 1928 Particulars of Classification For service on the Great Lakes. Carrying Petroleum in bulk. (Class contemplated)

Number in Register Book ✓ American ✓

LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
<u>334' 0"</u>	<u>51' 08"</u>	<u>18' 5"</u>	<u>2247</u>
<u>334' 0"</u>	Frame Depth <u>7</u> Rule <u>5 1/2</u>	Ceiling <u>+20</u> Sheer <u>NIL</u>	Peak <u>+34</u> Tanks <u>50.5 space +57</u>
<u>334' 0"</u>	<u>51' 16"</u>	<u>18' 7"</u>	<u>2447</u>

Moulded Depth as measured 18' 6"Addition for Keel below base line for draught record 1' 3/4" 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 334' 0"Length in Table 222Difference 112Correction for 10ft., Table A. 1.1× Difference divided by 10 12.3If 1/10ths length covered divide by 2 6.15 say + 6 1/4

Table C.

(if required.)

## CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered over 1/10 coveredThickness of usual wood deck, less stringer -3 1/2"

## CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships 51' 0"Round of Beam 12 3/4"Normal round 12 3/4"Difference ✓ ÷ 2 = ✓Proportion of Deck uncovered (Para. 19) ✓

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

Percentage of fineness .765  
Modification necessary ✓  
Para. 4 (a) to (e) \* Bottom Longitudinals  
Percentage as corrected .78

Stem 66 Sternpost 30 } 96 ÷ 2 = 48 ... Mean  
1/10 of the length from Stem 36 Sternpost 12 } 48 ÷ 2 = 24 ... Mean  
Mean Sheer 43.63 Correction ÷ 4 = 4.06  
Mean Sheer [Table, Para. 18] 43.40  
Difference .23 NIL  
As Para. 18 (f) NIL

At front of bridge house ✓  
At after end of forecastle ✓

At front of bridge house ✓  
At after end of forecastle ✓  
Correction ✓

## ALLOWANCE FOR DECK ERECTIONS:—

Table C. 1.0 1/2  
Correction for Length, if required (Para. 12, 13, and 14) ✓  
Correction by Table A. corrected for sheer, and for length, if required (Para. 12, 13, and 14) 3' 5 1/2"  
Correction 2' 4 1/2"  
As below 50.8%  
14.48

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) 1' 4 1/2"  
Correction for Deck Erections ✓

Length.	Length allowed.	Height.
<u>52' 25"</u>	<u>52' 25"</u>	<u>4' 6"</u>
<u>202' 0"</u>	<u>104' 60"</u>	<u>6' 0"</u>
<u>49' 45"</u>	<u>49' 45"</u>	<u>4' 5"</u>
<u>334' 0"</u>	<u>236' 6"</u>	<u>4' 08"</u>

Percentage 50.8%  
Correction 56.2%

DARD 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 2' 4 1/2"  
Summer Freeboard (2-3) 2 1/4"  
Indian Summer Freeboard ✓  
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 3/4"

Winter Freeboard from deck line 2' 7 1/2"  
Summer " " " 2' 3 1/4"  
Indian Summer " " " ✓  
N. A. Winter " " " ✓

For all seasons 2' 0"  
Correction 2' 4 1/2"

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.

RECEIVED

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Do all the Frames extend to the top height in the Poop? *Yes* Raised Quarter Deck? *✓* Bridge House? *✓* Forecastle? *Yes*

To what height do the Reverse Frames extend? *✓*

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 *Bulkhead oil tight - No openings*

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 *Trunk connected to Poop & Forecastle*

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? *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 Poop Deck*

If the openings are not so protected are the exposed parts of the Casings efficiently constructed? *✓*

Give thickness of plating; scantlings and spacing of Stiffeners *✓*

What is the height of the exposed casings? *✓* Are suitable means provided for closing all openings in them in bad weather? *✓*

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. Hatchways all on 6'-0" trunk*

Position and Size.		Center Tank Hatch		Wing Tank Hatch		Fore Cargo Hatch		Pump room Hatch		Banker Hatch	
Item.		Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING	Height above top of Deck	9" <i>#</i>		12" <i>#</i>		30" <i>#</i>		9" <i>#</i>		9" <i>#</i>	
	Sides	9x3 1/2 x 23/8		14 1/2" plate		4 1/2" plate		9x3 1/2 x 23/8		9x3 1/2 x 23/8	
	Ends	Bulk angle						Bulk angle		Bulk angle	
SHIFTING BEAMS OR WEB PLATES	Number										
	Section and Scantlings	✓		✓		✓		✓		✓	
	Material										
* FORE AND AFTERS	Number					4 <i>#</i>					
	Section and Scantlings	✓		✓		3x5x9.8 angle		✓		✓	
	Material										
HATCHES Thickness		63" plate		63" plate		63" plate		63" plate		63" plate	
Remarks		6'-0" x 4'-0" Oil hatch		5'-0" x 3'-0" Oil hatch		10'-0" x 9'-0"		3'-6" x 3'-6"		2'-9" x 2'-0"	

\* 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. *✓*

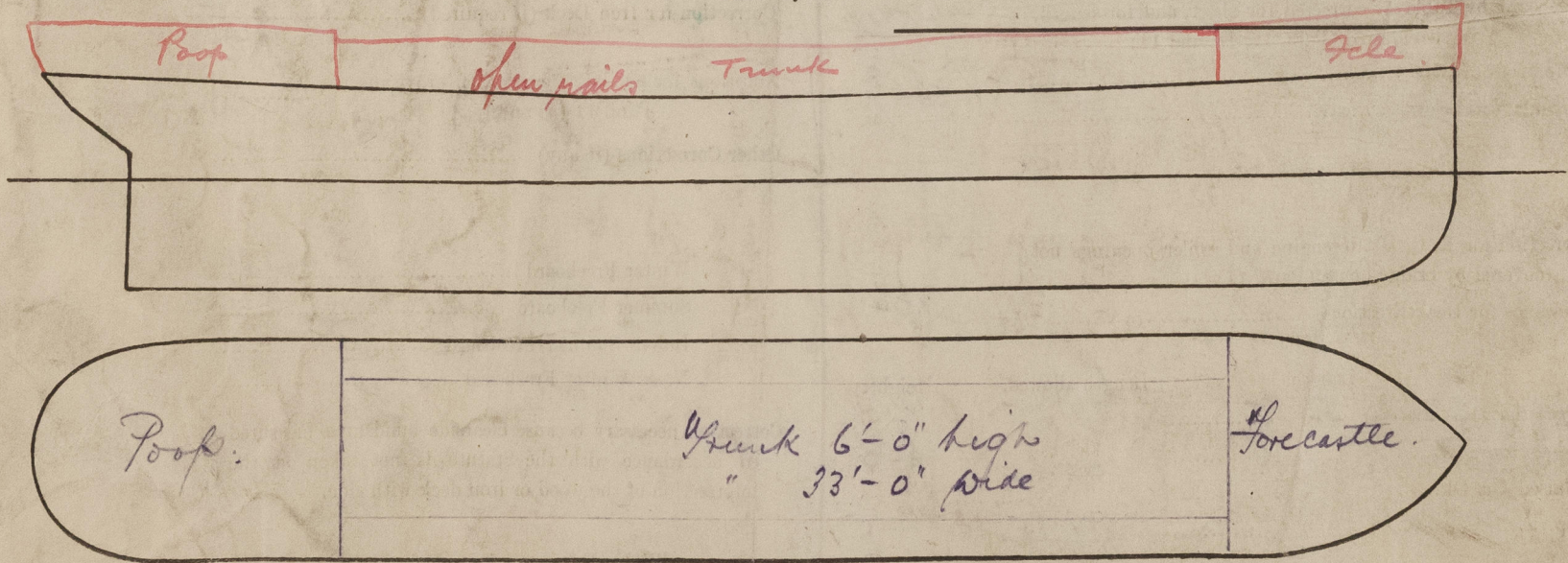
that do not apply { The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory.

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 (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 *The trunk on deck extends continuously from Forecastle to Poop. This vessel will trade exclusively on the Great Lakes.*

Owners *Lake Tankers Corp., Chicago, Ill.*

Address

Fee \$ *50.00*

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