

## STEEL STEAMER or MOTORSHIP.

Received at London Office

1 DEC 1928

State if Report has been sent on the Freeboard of the Vessel yesState if Report is sent on the Machinery of the Vessel yesDate of completion of report September 25, 1928 Port of Cleveland, Ohio No. 430Survey held at Lorain, Ohio Date First Survey Nov 1, 1927 Last Survey Sept 16, 1928On the (State if Machinery fitted Aft and Single, Twin or Triple Screw) Motor Tanker "Martha E. Allen" T.W. Sc. Trucking Co.State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) LOCAL For Service on the Great Lakes State Type of ErectionsTONNAGE under Tonnage Deck... 2297.35

CLASS "Carrying Petroleum Bulk" (State if with freeboard as condition of Class)

Built at Lorain, OhioSpace or spaces in Tonnage Dk. 637.67Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) L 334'0"Launched June 9, 1928 Yard No. 803Breadth (greatest moulded) B 51'0"Builders American S.B. CompanyDepth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 18'5"Owners Lake Tankers CorporationTonnage 2935.021st Longitudinal Number (L x D) = 6179

Managers

Tonnage 19942nd Numeral L x (B + D) = 23213

(Where necessary to be entered in Reg. Book.)

REGISTERED DIMENSIONS FEET.

Framing Depth "d" at middle of length. See Sec. 3 (1d) 15.75Residence Chicago, Ill.334.00Proportions—Depth to Length—Uppermost continuous deck to top of keel 1 to 18.05Port of Registry Whiting Ind.51.20Do, Long Bridge to top of keel 1 to 13.31

If surveyed while building, afloat, or in dry dock

18.90Brought Moulded 16'6" of keel to trunk topBoth

## FRAMES, DOUBLE BOTTOM AND BEAMS.

	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
S, Spacing amidships	27 1/2"		Bracket Floors, Frame	✓	
" from 1 length to Collision bulkhead	27"		" " Reversed Frame	✓	
" in peaks	24"		" " Vertical Struts	✓	
FRAMING.			Centre Girder, depth and thickness amidships	49" x 18"	
Amidships, Angle, [ or ]	7 x 3 x 1/4"	✓	" " top Angles DBL	3 1/2" x 3 1/2" x 11.1"	
" Extends up to	main Deck	✓	" " bottom Angles DBL	3 1/2" x 3 1/2" x 11.1"	
Frame Amidships, Angle	✓		Side Girders, No. each side and thickness	22 25.3"	
" Extends up to	✓		Margin Plate depth (excl. of flange) and thickness	✓	
of Framing Girder	✓		" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	✓	
in Uppermost Continuous 'tween Decks, Angle, [ or ]	✓		" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem	✓	
Second 'tween Decks, Angle, [ or ]	✓		" " Gussets, spacing and scantling abaft 1/2 len. from stem	✓	
Third " " " "	✓		" " Gussets, spacing and scantling forward 1/2 len. from stem	✓	
in Peaks, Angle or [	5 1/2" x 3 x 1/4"	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	8 1/4" x 10"	
er and Spacing of Rivets through Frame and Shell Plating amidships	7/8" @ 5 1/4"	✓	In way of engines		
Frame Joggled	✓		INNER BOTTOM PLATING		
ARRANGEMENTS (See 7), state system and particulars	frame forl.		Breadth and thickness of Middle Line Strake	96" x 50"	
STRENGTHENING OF BOTTOM FOR RD. State Particulars	side plating thickened		Thickness of remainder in Holds	✓	
BOTTOM.			Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & B. space and framing in Bunkers and Boiler Room?	✓	
Depth and thickness at mid-line in Holds	49" x 18.8"		BEAMS.		
Height of Brackets at side above base line at toe of frame	54"		Uppermost Continuous Deck, amidships in Wells, Angle, [ or ]	15 x 3.4 x 35.0	
Line Keelson, on Floors, Angles, [ or ]	on flat plate keel		" " in way of Bridge, Angle, [ or ]	✓	
" " Through Plate or Intercoastal Plate	Inter.		Spacing	110"	
" " Foundation Plate on Floors	✓		Second Deck, amidships, Angle, [ or ]	✓	
" " Flat Plate Keel Angles	3 1/2" x 3 1/2" x 11.1" DBL		Spacing	✓	
Side Keelsons, No. each side	20		Third Deck, amidships, Angle, [ or ]	✓	
" thickness of Intercoastal Plate	20		Spacing	✓	
" Angles	3 1/2" x 3 1/2" x 9.8" DBL		Fourth Deck, amidships, Angle, [ or ]	✓	
In way of Engines			Spacing	✓	
DOUBLE BOTTOM.			Peop Deck, Angle, [ or ]	7 x 3 x 16.4"	
Solid Floors, thickness and spacing	18" 30"		Spacing	24" aft.	
" Are Frame and Reversed Frame joggled?	yes		Bridge Deck, Angle, [ or ]	✓	
Bracket Floors, breadth and thickness at middle line	✓		Spacing	10 x 3 1/2" x 24.8"	
" breadth and thickness at margin plate	✓		Forecastle Deck, Angle, [ or ]	24" over peak	
			Spacing	27" aft collision bld.	

## PILLARS AND DECKS.

	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
<b>PILLARS, No. of Rows.....</b>	<i>one E of vessel</i>		Stringer Plate, breadth and thickness in way of Bridge .....	✓	
" " " " " "			Thickness of Plating abreast Deck openings in way of Wells .....	✓	
" " " " " "			Thickness of Plating abreast Deck openings in way of Bridge .....	✓	
" " " " " "			Thickness of Plating within line of openings....	✓	
<b>in 'tween Decks, Size and Spacing.....</b>	✓		If Sheathed, material and thickness .....	✓	
" " " " " "	✓		<b>Third Deck.</b>		
" " " " " "			Stringer Plate, breadth and thickness.....	✓	
<b>in Holds &amp; DBL. " "</b>	<i>8' x 3 1/2' x 22.8"</i>	#	If Plated, state thickness.....	✓	
<i>Side F. &amp; G. " " "</i>	<i>7' x 3' x 15.3"</i>	#	<b>Fourth Deck.</b>		
<b>Centre-Line Bulkhead-S</b>			Stringer Plate, breadth and thickness.....	✓	
Stiffeners and Spacing.....	<i>27 1/2"</i>	-	If Plated, state thickness.....	✓	
Plating, thickness of .....	<i>16" to 20"</i>	#	<b>Paop Deck.</b>		
<b>STRINGERS AND DECKS.</b>			Stringer Plate, breadth and thickness .....	<i>58" x 46" in motor casing of</i>	
<b>Uppermost Continuous Deck.</b>			Plating, Sheathing, material and thickness .....	<i>32 aft to fantail</i>	
Stringer Plate, breadth and thickness in Wells	<i>108" x 18.8"</i>	#	<b>Bridge Deck.</b>		
" " " " " " in way of Bridge	<i>deck plate outside trunk</i>	✓	Stringer Plate, breadth and thickness.....	✓	
" " " " " " " "			Plating, Sheathing, material and thickness ...	✓	
" Angle in Wells .....	<i>6" x 6" x 19.6"</i>	#	<b>Forecastle Deck.</b>		
Thickness of Plating abreast Deck openings } in way of Wells .....			Stringer Plate, breadth and thickness.....	<i>32"</i>	
Thickness of Plating abreast Deck openings } in way of Bridge .....			Plating, Sheathing, material and thickness ..	✓	
Thickness of Plating within line of openings....	✓				
If Sheathed, material and thickness .....	✓				
<b>Second Deck.</b>					
Stringer Plate, breadth and thickness in Wells....	✓				

## SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		SINGLE OR DOUBLE.	RIVETS.		NO. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.			Diam.	Spacing or to cr.		Diam.	Spacing or to cr.	
	Inches.	Inches.	Inches.	Inches.		Inches.	Inches.		Inches.	Inches.		
PLAT PLATE END	55 1/2	.70	.64 to .59	.70	no	Double	7/8	3 1/2	Treble & Double at Ends	7/8	3 1/8	Double Strapped
" Deck (if any)	84 1/2			.50 to .46		Double	7/8	3 1/2	Treble & Double at Ends	7/8	3 1/8	Single Strapped
BOTTOM PLATING, No. of Strakes	72	.52	.60 to .50	.50 to .44		Do	Do	Do	Do	Do	Do	Single Strapped
BILGE PLATING, No. of Strakes	75	.52	.44 to .47	.44 to .47		Do	Do	3 1/8	Do	Do	Do	Single Strapped
SIDE PLATING, No. of Strakes	78	.48	.44 to .47	.44 to .47		Do	Do	Do	Do	Do	Do	Lapped Single
UPPER DECK, Sheer-strake in Wells	78	.48	.44 to .60 at fore.	.44 to .47		Do	Do	Do	Do	Do	Do	Single Strapped
UPPER DECK, Sheer-strake in Bridge				end of poop								
STRAKE BELOW Sheer-strake in Wells												
STRAKE BELOW Sheer-strake in Bridge												
POOP SIDE PLATING	69	.37	.48						Double	3/4	2 5/8	Strapped
BRIDGE SIDE PLATING												
FORE'TLE SIDE PLATING	102	.37				Single	3/4	3	Double	3/4	2 5/8	Strapped

## WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel		2		Water tight	
Extending to Upper Deck (Sec. 3 c)		9		Oil tight	
Deck next below		✓			
As per Rule		approved			

		Plating Thickness	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings	Spacing	Scantlings	Spacing
MIDSHIP BULKHEAD, Upper tween decks		✓				
"	Second "	✓				
"	Third "		31 to 8"x3"	33"	13"x3.6"x45"	
"	Holds	1	39	X17.3"	36"	8.3"x16.3"
COLLISION (No Hold)		1	31 to 9"x3 1/2"	34"	PLT. 6"x4"x20"	
AFTER PEAK		1	31 to 7"x3"	24"	face bar	
			38	X12.9"	24"	

## FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
<b>KEEL, Bar</b> .....	<i>Forged</i>		<i>"American S. B. Co.</i>	
<b>STEM</b> .....	<i>Steel</i>	<i>8" x 2 1/4"</i>	<i>Cleveland Ohio</i>	
<b>STEERN FRAME</b> {	Propeller Post .....	<i>Do. 9" x 2 5/8"</i>	<i>Stock 10" diam.</i>	
	Rudder " .....	<i>Do. main beam 11" to 7 3/4" diam.</i>		
<b>RUDDER—A x D</b> .....		<i>345</i>		
<b>Speed of Vessel</b> .....		<i>10 knots</i>		
<b>RUDDER</b> mainpiece at head ...		<i>11 "</i>		
" " heel ...		<i>7 3/4 "</i>		
" " arms kept &		<i>shrunk on main piece</i>		
<b>how constructed</b> .....				
" double or single plate		<i>single plate</i>		
" coupling, vertical or				
" horizontal .....		<i>Horizontal</i>		

**STEEL.**

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)

Open Hearth. Carnegie Steel Company. Pittsburgh, Pa.

Has the Steel been tested as required by the Rules? Yes



GENERAL REMARKS (The Surveyor should state the Number of Report and Name of any Sister Vessel. Plans showing Vessel as built should be forwarded and a List of Plans should be submitted.)

PILLARS No.

Side 9  
Center Line  
Stiffeners

Plating, t

STRINGER  
Uppermost  
Stringer

Thick  
in w

Thick  
in v

Thick

If Sh

Secan  
Stair

FLAT

Boat  
of  
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Particulars of Drop Test of  
Cast Steel Anchors, viz. :-  
Weight, Surveyor's Initials,  
Number of Certificate, Date  
of Test.

1st Bower 4575 lb. 12277 15/5/28  
2nd " 4400 lb. 11377 24/5/28  
3rd " 2305 lb. 12237 22/12/27

PARTICULARS FOR RECORD in the REGISTER BOOK. Length of Poop 84' 7 1/2 ft., R.Q.D. ft., Bridge ft., Forecastle 52' 2 1/2 ft.  
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated

No. and Material of Decks (this information is to be given as it should appear in the Register Book) "One Steel Deck" "Longitudinal framing at bottom and at deck"  
Official No. 227895 ; Signal Letters

particulars of composition anti-corrosive and anti-fouling paint. Is bottom of Vessel coated with cement. No if not give

PARTICULARS OF WATER BALLAST. Cargo and Misc. Tanks.

C = center tanks W = wing		Where Fitted.		Length.		Water Capacity.	
No.		Feet.		Feet.		Tons	
Double bottom, aft.		36'-8"		18'-6"		64	
Double bottom, under Engines and Boilers.		"		16'-6"		68	
Double bottom, if under Engines only.		"		5'-0"		192.38 gals.	
Double bottom, if under Boilers only.		"		5'-0"		205.18 "	
Double bottom, forward.		"		60'-0"		2512 "	
Total capacity of double bottom		"		"		"	
C 11594.72		"		"		"	
W 427.106		"		"		"	
Total capacity of double bottom		"		"		"	
C 11594.72		"		"		"	
W 427.106		"		"		"	
Total capacity of double bottom		"		"		"	
C 11594.72		"		"		"	
W 427.106		"		"		"	
Total capacity of double bottom		"		"		"	
C 11594.72		"		"		"	
W 427.106		"		"		"	
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Total capacity of double bottom		"		"		"	
C 11594.72		"		"		"	
W 427.106		"		"		"	
Total capacity of double bottom		"		"		"	

# "MARTHA E. ALLEN"

## PARTICULARS OF LONGITUDINAL FRAMING.

FRAMING.	AMIDSHIPS.			ENDS.			AMIDSHIPS.			ENDS.			RIVETING.				
	In Ship.			In Ship.			Per Rule or as approved.			Per Rule or as approved.			Rivets in Longitudinal Frames. Dia. Spacing.	Spacing of Rivets on each side of Transverse and Bulkheads. Inches.	Rivets in Bulkheads to Bulkheads.		
	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.			Number.	Diameter. Inches.	
of L, C or E																	
Bridge between Decks																	
Uppermost Continuous																	
No. 1																	
" 2																	
" 3																	
" 4																	
" 5																	
" 6																	
" 7																	
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" 11																	
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" 13																	
" 14																	
" 15																	
" 16																	
of Longitudinal																	
Amidships																	
At Ends																	
Tank Top Longitudinals																	
Bottom																	
Longitudinals																	
Amidships																	
At Ends																	
Transverses.																	
Bridge																	
Depth and Thickness																	
Face Angles																	
Lugs to Shell																	
In																	
Depth and Thickness																	
Face Angles																	
Lugs to Shell																	
Decks.																	
Depth and Thickness																	
Face Angles																	
Lugs to Shell																	
Hold.																	
Brackets																	
Spacing of Transverse Frames																	
State if Joggled or Bored																	
Longitudinal																	
Beams of																	
L or E																	
Bridge Deck																	
Upper																	
Second																	
Third																	

The particulars of framing in peaks (if ordinary), Floors, Centre Girders, Side Girders and Margin Plate and their angle attachments, etc., to be entered in their respective places provided for on the Report Forms.

NOTE:—This slip to be pasted on the fourth page of the Report, and reference to same to be made under framing, etc., on the first page.