

STEEL STEAMER or MOTORSHIP.

Received at London Office... 4 MAY 1925

State if Report has been sent on the Freeboard of the Vessel YES.State if Report is sent on the Machinery of the Vessel YES.Date of completion of report 8TH APRIL, 1925.Port of PHILADELPHIA.No. 4980Survey held at CHESTER, PA.Date First Survey 29TH JANUARYLast Survey 31ST MARCH 1925.On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) STEEL SINGLE SCREW STEAMER "BETTERTON" MACHINERY AFT.State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) FULL SCANTLING.State Type of Erections P.B. & F. DISCONNECTED.TONNAGE under Tonnage Deck... 6592.62.CLASS 100 A1.State if with freeboard as condition of Class No.Built at BALTIMORE, MD.Do. of space or spaces between Tonnage Dk. and Upper Dk. ✓Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) L 430.0.Launched ✓ Yard No. 109Total 6592.62.Breadth (greatest moulded) B 59.0.Builders BALTIMORE D.D. & S.B. Co.Gross Tonnage 7366.77Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 33.33.Owners ASSOCIATED OIL Co.Register Tonnage 4504.1st Longitudinal Number (L x D) 9233 = 14331.9.Managers ✓
(Where necessary to be entered in Reg. Book.)2nd Numeral L x (B + D) = 39701.9.Residence SAN FRANCISCO. CAL.

REGISTERED DIMENSIONS.

FEET.

Length 431.0.Breadth 59.2.Depth 31.4.Framing Depth "d," at middle of length. See Sec. 3 (1d) 21.08.Proportions—Depth to Length—Uppermost continuous deck to top of keel 12.9Port of Registry SAN FRANCISCO.

If surveyed while building, afloat, or in dry dock

YES.

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.
FRAMES, Spacing amidships	LONGITUDINAL FRAMING.		Bracket Floors, Frame		
" " from 1 length to Collision bulkhead			" " Reversed Frame		
" " in peaks	24		" " Vertical Struts		
FRAME FRAMING.			Centre Girder, depth and thickness amidships	76	.60
Frame Amidships, Angle, [or]			" " top Angles	3.5 3.5	.50
" " Extends up to			" " bottom Angles	6 6	.62
Reversed Frame Amidships, Angle			Side Girders, No. each side and thickness	Two	.50
" " Extends up to			Margin Plate depth (excl. of flange) and thickness	LEVEL .60-.52	
Depth of Framing Girder	SEE PAGE 4.		" " Vertical Angle to Tank side Bracket abaft 1 len. from stem		
Frames in Uppermost Continuous 'tween Decks, Angle, [or]			" " Vertical Angle to Tank side Bracket forward 1 len. from stem		
" " Second 'tween Decks, Angle, [or]			" " Gussets, spacing and scantling abaft 1 len. from stem		
" " Third " " " "			" " Gussets, spacing and scantling forward 1 len. from stem		
Framing in Peaks, Angle or [8 3.5 .46		Tank Side Brackets, height above base line at toe of Frame and thickness		
Diameter and Spacing of Rivets through Shell Plating			INNER BOTTOM PLATING. IN E & B. ROOMS ONLY.		
State if Frame Joggled			Breadth and thickness of Middle Line Strake	49	.60
FRAMING ARRANGEMENTS (Sec. 7), state system and particulars	3 SIDE STRINGERS IN F. PEAK. 30" x 44". ANGLES 3.5 x 3.5 x 44". BEAMS ON ALT. FR. 8 x 3.5 x 45 B.A. SEE PAGE 4, LONG. FRAMING.		Thickness of remainder in Holds	.60	TO .52.
STRENGTHENING OF BOTTOM FORWARD. State Particulars			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?	YES.	
DOUBLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds			Uppermost Continuous Deck, amidships in Walls, Angle, [or]	8 3.5 .45	
Height of Brackets at side above base line at toe of frame			" " in way of Bridge, Angle, [or]		
Middle Line Keelson, on Floor, Angle, [or]	LOWER PLATE OF M.L. BULKHEAD		Spacing	24	
" " Through Plate or Intercoastal Plate	.52		Second Deck, amidships, Angle, [or]	8 3.5 .45	
" " Foundation Plate on Floor			Spacing	24	
" " Flat Plate Keel Angles	6 6 .62.		Third Deck, amidships, Angle, [or]		
Side Keelsons, No. each side	ONE.		Spacing		
" " thickness of Intercoastal Plate	49" x .44.		Fourth Deck, amidships, Angle, [or]		
" " Angles	TOP 3.5 3.5 .44 DOUBLE. BOTTOM 4 3.5 .50 SINGLE.		Spacing		
DOUBLE BOTTOM. IN E & B. ROOMS ONLY.			Poop Deck, Angle, [or]	LONGITUDINAL FRAMING.	
Solid Floors, thickness and spacing	.50 27		Spacing		
" " Are Frame and Reversed Frame joggled?	No.		Bridge Deck, Angle, [or]	LONGITUDINAL FRAMING.	
Bracket Floors, breadth and thickness at middle line			Spacing		
" " breadth and thickness at margin plate			Forecastle Deck, Angle, [or]	7 3.5 .35	
			Spacing	24	

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FRAMING.

RIVETING.

Spacing of Rivets on each side of Transverses and Bulkheads.
Inches.

Rivets in Brackets to Bulkheads.
Number. Diameter. Inches.

7 7/8 ✓

2ND DECK.

8 7/8

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

1st Bower 6200. E.I.E. 12018. 30.3.25.
2nd „ 6475. A.B.S. 27364. 29.5.24.
3rd „ 5030. A.B.S. 24205. 3.7.19.

STREAM:- 2195. A.B.S. 24114. 24.6.19.
KEDGE. 1140. A.B.S. 24204. 3.7.19.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 104.75 ft. R.Q.D. ✓ ft., Bridge 36.66 ft., Forecastle 38.5 ft.
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated

No. and Material of Decks and No. of tiers of Beams (this information is to be given as it should appear in the Register Book) 2 DKS (STL) & WEB FRAMES
LONGITUDINAL FRAMING.

Official No. 219637 ; Signal Letters LVRO.

If bottom of Vessel has been coated Inside

particulars of composition CEMENT IN D.B. F.P. & A.P. TANKS.

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,			Fore peak tank, WATER BALLAST		232.
Double bottom, under Engines and Boilers, FRESH WATER. 54.0		262.	After peak tank, WATER BALLAST OR FRESH WATER		117.
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward, WATER BALLAST OR OIL FUEL. 40.0.		456.
Double bottom, forward,			Other tanks, if fitted,		
		Total capacity of double bottom 262. ✓	(If necessary, furnish further information by sketch.)		

* The wells are not to be included in the lengths of the tanks.

Order for Special Survey No. ✓

N. Y. K. LETTER.

Date 9TH FEB, 1925.

Dates of Surveys held while building

1925 :- JAN. 29, FEB. 6, 10, 13, 14, 18, 20, 25, MAR. 19, 26, 27, 28, 31.

PARTICULARS OF LONGITUDINAL FRAMING.

GENE

FRAMING.		AMIDSHIPS.			ENDS FORWARD			AMIDSHIPS.			ENDS AFT			RIVETING.						
		In Ship.			In Ship. % AS APPROVED.			Per Rule or as approved.			Per Rule or as approved. % IN SHIP.			Rivets in Longitudinal Frames.		Spacing of Rivets on each side of Transverses and Bulkheads.		Rivets in Brackets to Bulkheads.		
		Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Diam.	Spang.	Inches.	Number.	Diameter. Inches.	
Framing of \angle , \square or \square		6	3	40				6	3	40				3/4	4 1/2					
Frames in Bridge 'tween Decks ...		7	3.5	40	7	3.5	35	7	3.5	40	7	3.5	35	7	8	5 1/4	5 1/4	7	7/8	
Frames from Uppermost Continuous Deck		No. 1	7	3.5	40	7	3.5	35	7	3.5	40	7	3.5	35	"	"	5 1/4	"	"	
		" 2	7	3.5	40	7	3.5	35	7	3.5	40	7	3.5	35	"	"	5 1/4	"	"	
		" 3	2 ND DECK.		2 ND DECK.			2 ND DECK.			2 ND DECK.			-	-			2 ND DECK.		
		" 4	8	3.5	425	8	3.5	40	8	3.5	425	8	3.5	40	7/8	6 1/4	3/8 FOR 12x10 RIVETS.	8	7/8	
		" 5	8	3.5	475	8	3.5	425	8	3.5	475	8	3.5	425	"	"	"	"	"	
		" 6	9	3.5	425	9	3.5	40	9	3.5	425	9	3.5	40	"	"	"	"	"	
		" 7	9	3.5	475	9	3.5	425	9	3.5	475	9	3.5	425	"	"	"	"	"	
		" 8	10	3.5	475	9	3.5	475	10	3.5	475	9	3.5	475	"	"	"	"	"	
		" 9	10	3.5	475	9	3.5	525	10	3.5	475	9	3.5	525	"	"	"	"	"	
		" 10	10	3.5	525	DEEP TANK.			10	3.5	525	10	3.5	475	"	"	"	"	"	
		" 11	10	3.5	575	10	3.5	525	10	3.5	575	10	3.5	525	"	"	"	"	"	
		" 12	13	4.12	50	13	4.12	50	13	4.12	50	D.B. TANK			"	"	3/8 FOR 15x13 RIVETS.	16	"	
		" 13	"	"	"	"	"	"	"	"	"	TRANSFRAMING			"	"	"	"	"	
		" 14	GIRDER		49x.44			GIRDER		49x.44			"	"	"	"	"	"	"	
		" 15	13	4.12	50	13	4.12	50	13	4.12	50	"	"	"	"	"	"	13	7/8	
		" 16	LONGITUDINALS ON FLAT OF BOTTOM FORWARD FITTED WITH BACK BARS 3 1/2 x 3 1/2 x .44.																	
Spacing of Longitudinal Frames		28 1/8			28 1/8 TO 21			28 1/8			28 1/8 TO 24									
Double Bottoms \angle , \square or \square		Tank Top Longitudinals			TRANSVERSE FRAMING IN DOUBLE BOTTOM			UNDER ENGINES & BOILERS.												
Bottom																				
Spacing of Longitudinals		Amidships																		
		At Ends...																		
Transverses.														Rivets in Lugs to Shell						
In Bridge 'tween Decks		Depth and Thickness			15			15	38		15	38								
		Face Angles			4			4	3.5	38	4	3.5	38							
		Lugs to Shell			JOGGLED 4			4	3.5	38	4	3.5	38	3/4		3 3/4				
In Awning, Shelter or Upper 'tween Decks.		Depth and Thickness			18			18	40		18	40								
		Face Angles			4			4	3.5	44	4	3.5	44	4	3.5	44	4	3.5	44	
		Lugs to Shell			JOGGLED 4			4	4	50	4	4	50	4	4	50	7/8	4		
		Depth and Thickness			32			32	46		32	46								
					2 ND T.D.K. 27x.40			2 ND T.D.K. 42x.46												
In Hold.		Face Angles			6			6	4	68	6	4	68	6	4	68	7/8	4		
		Lugs to Shell			JOGGLED 6			6	6	50	6	6	50	6	6	50	7/8	4		
		Brackets			ONE .44			TWO .44			ONE .44			TWO .44						
Spacing of Transverse Frames		110			96			110			108									
State if joggled or liners.																				
Longitudinal Beams of \angle , \square or \square		Bridge Deck			6			6	3	3 1/5	6			Spacing.	43		BRIDGE DK.		In Ships. AND	
		Awg. or Shldr. Dk.																Plate. Angles.		
		Upper			7			7	3.5	3 1/5	7	3.5	3 1/5	7	3.5	3 1/5	30 1/2 - 28 3/8	UPPER DK.		
		Second			8			8	3.5	40	8	3.5	40	8	3.5	40	30 - 28 3/8	TRANSVERSE BEAMS.		
		Third																2 ND DK.		
																		24x.40.6x.6x.44		

The particulars of framing in peaks (if ordinary), Floors, Centre Girder, 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.

3rd "

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