

## STEEL STEAMER or MOTORSHIP

Received in DO. 8/11/38  
NOV -5 1938  
Received at London Office

State if Report has been sent on the Freeboard of the Vessel No

State if Report is sent on the Machinery of the Vessel Yes

Date of completion of report 4th October, 1938

Port of Baltimore, Maryland

No. 6615

Survey held at Sparrows Point, Baltimore, Md. Date First Survey 3rd February, 1938

Last Survey 16th September 1938

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) Single Screw S.S. "ESSO BALTIMORE"

Machy Aft

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) Full Scantling

State Type of Erections P B &amp; F

TONNAGE under 6995  
Tonnage Deck...

CLASS 100 A1

State if with freeboard as condition of Class No

Built at Baltimore, Maryland

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 442

Launched 4th June, 1938 Yard No. 4308

Total

Breadth (greatest moulded)

B 64

Builders Bethlehem Shipbuilding Corp. Ltd. (Sparrows Point, Md.)

Gross Tonnage 7949

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c)

D 34.83

Owners Standard Oil Company of New Jersey

Register Tonnage 4711

1st Longitudinal Number (L x D) = 15395

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

2nd Numeral L x (B + D) = 43683

Residence New York

## REGISTERED DIMENSIONS.

FEET

Length

445.4

Framing Depth "d," at middle of length. See Sec. 3 (1d)

-

Proportions—Depth to Length—Uppermost continuous deck to top of keel

12.69

Port of Registry Wilmington, Delaware

Breadth

64.2

Do. Long Bridge to top of keel

If surveyed while building, afloat, or in dry dock

Depth

35.2

Braught Moulded

Building

## 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.
<b>FRAMES, Spacing amidships</b>	Long. framing See Rpt. 1		<b>Bracket Floors, Frame</b>	-	
"    "    in fore hold	24" x 30"		"    "    Reversed Frame	-	
"    "    from 1/2 length amidships to Collision bulkhead	24"		"    "    Vertical Struts	-	
"    "    in peaks			<b>Centre Girder, depth and thickness amidships</b>	60x.50 - .48	
<b>SIDE FRAMING.</b>	See Rpt. 1		"    "    welded to T. Top		
<b>Frame Amidships, Angle, [ or ]</b>			"    "    welded to keel		
Extends up to			<b>Side Girders, No. each side and thickness</b>	2 - .44	
<b>Reversed Frame Amidships, Angle</b>			<b>Margin Plate depth (excl. of flange) and thickness</b>	-	
Extends up to			"    "    Vertical Angle to Tank side	-	
<b>Depth of Framing Girder</b>			Bracket abaft 1/2 len. from stem	-	
<b>Frames in Uppermost Continuous 'tween Decks, Angle, [ or ]</b>			"    "    Vertical Angle to Tank side	-	
"    "    Second 'tween Decks, Angle, [ or ]			Bracket from forward 1/2 len. from stem to Panting Area	-	
"    "    Third " " " "			"    "    Gussets, spacing and scantling abaft 1/2 len. from stem	-	
"    "    from 1/2 len. for'd. to 15% len. from Stem			"    "    Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area	-	
"    "    in Peaks, Angle or [	7 4 44		<b>Tank Side Brackets, height above base line at toe of Frame and thickness</b>	-	
<b>Diameter and Spacing of Rivets through Frame and Shell Plating amidships</b>	See Rpt. 1		<b>INNER BOTTOM PLATING.</b>		
State if Frame Joggled	No		Breadth and thickness of Middle Line Strake	.52 Plated athwartships	
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	Yes		Thickness of remainder	.52	
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	Yes		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?	-	
<b>SINGLE BOTTOM.</b>			<b>BEAMS.</b>		
<b>Floors, Depth and thickness at mid-line in Holds</b>	-		<b>Uppermost Continuous Deck, amidships in Wells, Angle, [ or ]</b>	See Rpt. 1	
Height of Brackets at side above base line at toe of frame	-		"    "    in way of Bridge, Angle, [ or ]	-	
<b>Middle Line Keelson, on Floors, Angles, [ or ]</b>	-		Spacing	-	
"    "    Through Plate or Intercoastal Plate	-		<b>Second Deck, amidships, Angle, [ or ]</b>	-	
"    "    Foundation Plate on Floors	-		Spacing	-	
"    "    Flat Plate Keel Angles	-		<b>Third Deck, amidships, Angle, [ or ]</b>	-	
<b>Side Keelsons, No. each side</b>	-		Spacing	-	
"    "    thickness of Intercoastal Plate	-		<b>Fourth Deck, amidships, Angle, [ or ]</b>	-	
"    "    Angles	-		Spacing	-	
<b>DOUBLE BOTTOM. in Machy Space</b>	.50		<b>Popp Deck, Angle, [ or ]</b>	See Rpt. 1	
<b>Solid Floors, thickness and spacing</b>	No frames		Spacing	-	
"    "    Are Frame and Reversed Frame joggled?	Floors welded		<b>Bridge Deck, Angle, [ or ]</b>	See Rpt. 1	
<b>Bracket Floors, breadth and thickness at middle line</b>	-		Spacing	-	
"    "    breadth and thickness at margin plate	-		<b>Forecastle Deck, Angle, [ or ]</b>	7 3 .38	
			Spacing	24	



## 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>	-		Stringer Plate, breadth and thickness in way of Bridge .....	-	
" in 'tween Decks, Size and Spacing.....	-		Thickness of Plating abreast Deck openings in way of Wells .....	-	
" " " " "	-		Thickness of Plating abreast Deck openings in way of Bridge .....	-	
" in Holds	-		Thickness of Plating within line of openings...	-	
2 "longitudinal <del>Transverse Bulkheads</del> Stiffeners and Spacing.....	- plating fluted to form stiffeners ✓		If Sheathed, material and thickness .....	-	
Plating, thickness of .....	.50, .44, .42, .44, .50, .50, .52 ✓		<b>Third Deck.</b>		
<b>STRINGERS AND DECKS.</b>	73½ .68 ✓		Stringer Plate, breadth and thickness.....	-	
<b>Uppermost Continuous Deck.</b>			If Plated, state thickness.....	-	
Stringer Plate, breadth and thickness in Wells	-		<b>Fourth Deck.</b>		
" " " " , in way of Bridge	73½ .84 ✓		Stringer Plate, breadth and thickness.....	-	
" Angle in Wells .....	6 x 6 x 26.5 ✓		If Plated, state thickness .....	-	
Thickness of Plating <del>abreast Deck openings in way of Wells</del> .....	.68 & .54 ✓		<b>Poop Deck.</b>		
Thickness of Plating abreast Deck openings in way of Bridge .....	-		Stringer Plate, breadth and thickness .....	21 x .45 - .38 ✓	
Thickness of Plating within line of openings...	-		Plating, <del>Sheathing, material and thickness</del> ...	.30 ✓	
If Sheathed, material and thickness .....	-		<b>Bridge Deck.</b>		
<b>Second Deck.</b>	-		Stringer Plate, breadth and thickness.....	40 x .44 ✓	
Stringer Plate, breadth and thickness in Wells...	-		Plating, <del>Sheathing, material and thickness</del> ...	.30 ✓	
			<b>Forecastle Deck.</b>		
			Stringer Plate, breadth and thickness.....	36 x .40 ✓	
			Plating, <del>Sheathing, material and thickness</del> ...	.36 ✓	

## SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if jogged?			BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		SINGLE OR DOUBLE.	RIVETS.		No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth. Inches.	Thickness. Inches.	Thickness. Inches.	Thickness. Inches.			Diam. Inches.	Spacing cr. to cr. Inches.		Diam. Inches.	Spacing cr. to cr. Inches.	
FLAT PLATE KEEL .....	51	.81	.81	.81		Double	1	3 5/8	3 3	1	3 1/2	Butt flush, welded with single strap outside.
„ DBLG. (if any)	-	-	-	-		-	-	-	-	-	-	-
BOTTOM PLATING, No. of Strakes .....	3	.70	.64	.58		D	7/8	3 1/2	4	7/8	3	Lapped
BILGE PLATING, No. of Strakes .....	2	.70	.64	.58		D	7/8	3 1/2	4	7/8	3	Lapped
SIDE PLATING, No. of Strakes .....	3	.59	.55	.46		D	7/8	3 1/2	4	7/8	3	Lapped
UPPER DECK, Sheer- strake in Wells .....	70	.88	.46	.46		D	1	3 1/2	5	1	3 3/4	Lapped
UPPER DECK, Sheer- strake in Bridge ...	-	-	-	-		-	-	-	-	-	-	-
STRAKE BELOW Sheer- strake in Wells .....	67 1/2	.75	.46	.46		D	7/8	3 1/2	4	1	3 3/4	Lapped
STRAKE BELOW Sheer- strake in Bridge ...	-	-	-	-		-	-	-	-	-	-	-
POOP SIDE PLATING .....	-	-	-	.38 .54		Single	3/4	3 3/8	2	3/4	3	Lapped
BRIDGE SIDE PLATING ...	-	.52 .44	-	-		One plate - No seam	-	-	2	7/8	3 1/2	Lapped
FORE'TLE SIDE PLATING	-	-	.40	-		One plate - No seam	-	-	2	3/4	3 3/8	Lapped

## WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—				Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.	
Extending to Upper Deck (Sec. 3 c) 14 ✓								
,, Deck next below —								
As per Rule —								
				STIFFENERS.				
				Plating Thickness.	VERTICAL.		HORIZONTAL.	
					Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHD., Upper Deck .50 ✓				.50 ✓	Centre web 66 x .50 with 16 x 1 1/8 face plate & vertical flutes.		36" x .50 with 6x3 1/2 x 17.4 Nos. 2 & 3 face bars reinforced. Lower.	
,, " Second " .46 ✓				.46 ✓			24 x .50 5/8 flange	
,, " Third " .54 ✓				.54 ✓				
,, " Holds " .50 ✓				.50 ✓				
COLLISION (in Hold) .62 ✓				.62 ✓	10x3 1/2 x 22.4 also 18 x .40 & 6x3 1/2 x 17.1 fluted 4x 3/8 face plate			
AFTER PEAK " 1.0 in way shaft					10x3 1/2 x 19.6 31 8 x 4 x 17.2 plate			
					8x4 x 17.2 & 30 10x3 1/2 x 23.6 5"			
KEEL, Bar .....				—				
STEM .....				—	Plate stem		.38 ✓ .81 ✓	
STERN FRAME {				Propeller Post .....	C.S.	Bethlehem ✓		
				Rudder —, .....	C.S.	Steel Co. ✓		
Speed of Vessel.....				13 knots ✓				
RUDDER—Type.....				Contra guide ✓				
,, A x D .....				670 ✓				
,, Diam. of head .....				F.S 12" 80,000 lbs. sq. in steel ✓				
,, Mainpiece at top pintle .....				C.S. frame ✓				
,, " heel .....				double plate ✓			Bethlehem	
,, how constructed .....				stream lined ✓			Steel Co.	
,, double or single plate Rudder .....								
,, coupling, vertical of horizontal.....				Horizontal ✓				

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

Plates and Sections - Bethlehem Steel Co.

Has the Steel been tested as required by the Rules? American Bureau Requirements.



## PARTICULARS OF LONGITUDINAL FRAMING.

FRAMING.		AMIDSHIPS.			ENDS.			AMIDSHIPS.			ENDS.			Connection of frames to shell		Riveting.		Round bars continuous through	
		In Ship.			In Ship.			Per Rule or as approved.			Per Rule or as approved.			Longitudinal Frames.		each side of Transverses and Bulkheads.		Bulkheads.	
		Ins.	Ins.	& lbs	Ins.	Ins.	& lbs	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Diam.	Spang.	Ins.	Ins.	Number.	Diameter.
Framing of <b>L, L or C</b> .....		5	3	10.4	✓	5	3	10.4	✓										
Frames in Bridge 'tween Decks ...		7	3½	17.1	✓	7	3½	17.1	✓										
Frames from Uppermost Continuous Deck	No. 1	8	3½	18.0	✓	8	3½	18.0	✓										
"	2	8	3½	18.0	✓	8	3½	18.0	✓										
"	3	8	3½	18.0	✓	8	3½	18.0	✓										
"	4	8	3½	18.0	✓	8	3½	18.0	✓										
"	5	8	3½	20.0	✓	8	3½	20.0	✓										
"	6	9	3½	21.6	✓	9	3½	21.6	✓										
"	7	9	3½	21.6	✓	9	3½	21.6	✓										
"	8	9	3½	21.6	✓	9	3½	21.6	✓										
"	9	9	3½	23.8	✓	9	3½	23.8	✓										
"	10	10	3½	24.8	✓	10	3½	24.8	✓										
"	11	10	3½	24.8	✓	10	3½	24.8	✓										
"	12	10	3½	24.8	✓	10	3½	24.8	✓										
"	13	10	3½	27.2	✓	10	3½	27.2	✓										
"	14	10	3½	27.2	✓	10	3½	27.2	✓										
"	15	10	3½	27.2	✓	10	3½	27.2	✓										
"	16	15	3.4	35.0	✓	15	3.4	35.0	✓										
Spacing of Longitudinal Frames	Amidships																		
	At Ends																		
Double Bottoms <b>L, L or C</b>	Tank Top Longitudinals	-																	
	Bottom	-																	
Spacing of Longitudinals	Amidships	-																	
	At Ends	-																	
Transverses.		18	x	.38	✓	-				18	x	.38	✓	-					
In Bridge	Depth and Thickness	4	x	7/16	✓	-				4	x	7/16	✓	-					
'tween Decks	Face angles plate.	5/16	Double Weld	Cont.	✓	-				5/16	Double Weld	Cont.	✓	-					
	Lugs to Shell*	27 - 39	x .48	✓	-					27 - 39	x .48	✓	-						
To	Depth and Thickness	5"	x 1/2"	✓	-					5"	x 1/2"	✓	-						
Upper 'tween Decks	Face angles plate	5/16	Continuous Weld	✓	-					both	✓	sides	✓	-					
Side Shell	Lugs to Shell*	44	x .52	✓	-					44	x .52	✓	-						
Cr. tanks	Depth and Thickness	6	x 9/16	✓	-					6	x 9/16	✓	-						
bottom	Face angles plate		Continuous Weld	✓	-					both	✓	sides	✓	-					
and bulk	Lugs to Shell*	-								-									
	" " Back Bars	8' x 7"	8' - 7"	8' - 7"	✓	-													
	Brackets																		
Spacing of Transverse Frames	State if joggled or liners.																		
Longitudinal Beams of <b>L, L or C</b>	Bridge Deck	5	3	9.8	✓	-				approved	-								
	Upper	6 x 3½	x 17.4	Transverse beams	✓	-				as	Transverse beams	✓	-						
	Second	7	3½	21.1	✓	-				fitted									
	Third	alternate																	

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.



EQUIPMENT No				LETTER		ANCHORS.		
Number of Certificate.	Anchor.	WEIGHT, EX. STOCK	WEIGHT OF STOCK	TEST, PER CERTIFICATE	WEIGHT REQUIRED BY TABLE 53.	Description of Anchor.	Makers.	Where and when tested and Superintendent.
12918	1st Bower ...	10250	10250	143090	10045	Stockless	Baldr	Phila. 29/7/37 O.N.
12921	2nd " ...	10250	10250	143090	10045	"	"	" " "
12922	3rd " ...	8600	8600	128000	8540	"	"	" " "
	Collector weight.	29100			28635			" " "
12925	Stream .....	3625	3625	68080	3605			" " "

CHAIN CABLES.				HAWERS AND WARPS.				
Number of Certificate.	Length and size supplied.	Test per Certificate.	WEIGHT OF CHAIN CABLE.	Length and size per Table 53.	Description.	Makers of Cables.	Where and when tested, and Superintendent.	Material.
	Length. Diam.	Statu- Break- ing.	Supplied. Per Rule.	Length. Diam.				Length and size supplied. Length. Cir.
3951	150 2 1/2	287930	44655	300 2 1/2	Di-L8K	Baldr Anchor	Phil., Pa. Feb. 11, 1938	130 1 1/2
3955	150 2 1/2	287930	44655	300 2 1/2	Stud. Link	W.H. Runham Chain and Forge Corp.	Phil., Pa. Feb. 16, 1938	130 1 1/2
			89310			O. Narbeth		20 90 8 1/2
						Williamsport Wire Rope Co.	American Bureau test	20 90 7 1/2
Iron Stream Chain or Steel Wire	120 1 1/2	-	126000	120 1 1/2	Gal zinc wire			

Steering Gear, Type (Power or hand) Telemotor - American Engineering Alternative Means of Steering Wire tackle & steam winch Co.

Steering Chains (Size and Test) Windlass Steel - 4 @ 22' x 7.5 x 3.16

Ceiling in Holds, thickness and material Cargo Battens, thickness, material and spacing

Cargo Hatchways.-(Upper Deck) To Forward Dry Hold 20' x 10' Thickness of Hatches Hinged steel W.T. Cover

Size of Hatchways No. 1 (Fwd.) No. 2 - No. 3 - No. 4 - No. 5 - No. 6 -

Number of Shifting Beams 24 - 4' dia. Circular hatchways with hinged O.T. steel covers

Builder's Signature

GENERAL DECLARATION. It should be stated (a) whether the vessel (if not a motorship) is fitted for the carriage and burning of oil used as fuel Yes  
(b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point (where required to be inserted in the Notation).

This vessel has been built in accordance with the approved plans, Secretary's letters and to the rules of the Society and was surveyed after completion. ✓

The materials and workmanship are good. ✓

The vessel is intended to carry petroleum in bulk, the oil tanks, oil fuel tanks, cofferdams, peak tanks, deep tanks and double bottom tanks have been tested according to the rules and found satisfactory. ✓

The vessel has been surveyed during construction by the Surveyors to the American Bureau of Shipping with a view to it's classification with that Society. ✓

The amount of Entry Fee ..... £ \$1500.00

Special Survey Fee.... £ : : Received by me, 27/10/38

Travelling Expenses, if any £ : : mmh/11

State whether the Vessel has been built under Special Survey No

Certificate to be sent to N.Y.R. Date of issue 2/11/38

(Special notations, where part of class, to be stated.)

I am of opinion the Vessel should be Classed 100 A1  
Carrying petroleum in bulk. ✓

Signature J.G. Brochanan  
Surveyor to Lloyd's Register of Shipping.

Committee's Minute NEW YORK OCT 26 1938

Character assigned 100 A1 Carrying Petroleum in bulk  
Fitted for oil fuel 938 F.P. above 150°F.  
L.M.C 9.38

Note: Machinery aft  
Longitudinal framing  
Part electrically welded ✓  
Cruiser Stern  
2 WTB (Sp) 450 lb  
C.L. F.D.



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 the Plans should be embodied.)

Midship Transverses Nos. 57 - 67 (as built) ✓  
Shell Expansion Amidships (as built) ✓

Upper Deck Plating Amidships (as built) ✓

O.T. Transverse Bulkheads (as built) ✓

Sister Vessels - "Esso-Baton Rouge" - Balt. Rpt. No. 6582 ✓

"R. W. Gallagher" - Balt. Rpt. No. 6600 ✓

Approved plans being retained for sister ship No. 4309. ✓

This vessel is the third of four vessels building by the same Builder for the same Owners.

and in which the end connection of all shell and deck longitudinals consist of round bars passing through the bulkheads, welded thereto and also welded to the ends of the longitudinals known as "Frear Type". ✓

#### PARTICULARS OF ELECTRIC WELDING (if employed)

Electrodes - Lincoln Electric Fleetweld No. 5 ✓

#### SPECIAL NOTATIONS:

—Either as part of the vessel's class or for record in the Register Book

Carrying petroleum in bulk. ✓ Longitudinal framing. ✓

Fitted for oil fuel. ✓ Part electrically welded. ✓

Machy Aft. ✓ Cruiser stern. ✓

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

1st Bower	7300	✓	-O.N.	-	12918	-	29/7/37
2nd "	7300	✓	-O.N.	-	12921	-	29/7/37
3rd "	5700	✓	-O.N.	-	12922	-	29/7/37

#### PARTICULARS FOR RECORD in the REGISTER BOOK.

—Length of Poop 92.1 ft., R.Q.D. - ft., Bridge 35 ft., Forecastle 40.3 ft.

(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated -

Official No. 237867

Signal Letters WPKI

Extreme Breadth over Belting -

Over-all Length 463' ✓

Has No. and Material of Decks

One deck - steel ✓

Bottom of Vessel coated with cement or approved composition -

Particulars of composition (if fitted) and of approval -

#### PARTICULARS OF WATER BALLAST:

(Comprising all tanks which may be used for Water Ballast. (Circ. 1284)  
(Wells are not to be included in the lengths of the tanks, but Cofferdams and Dry Tanks (if tested) are to be included.)

Where Fitted.

Length.  
Feet.

Water Capacity.  
Tons.

Where Fitted.

Length.  
Feet.

Water Capacity.  
Tons.

Double bottom, aft,

Double bottom, under Engines and Boilers,

Double bottom, if under Engines only, F.W.

Double bottom, if under Boilers only,

Double bottom, forward,

Total length (if continuous) and Capacity

Fore peak tank,

After peak tank,

Deep tank, aft,

Deep tank, forward,

Other tanks, if fitted,

(If necessary, furnish further information by sketch.)

Order for Special Survey No. 188

Date 15th June, 1937

Dates of Surveys held while building

1938 - February 3, 16, 18, 21, 24, 25; March 1, 2, 3, 4, 8, 12, 16, 21, 22, 23, 24, 25, 28, 30, 31;  
April 2, 4, 6, 27, 29; June 4; August 8, 16, 19, 26; September 16

Lloyd's Register  
Foundation

Total No. of Visits 32