

STEEL STEAMER or MOTORSHIP

SEP 12 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 29th August, 1938

Port of Baltimore, Maryland

No. 6600

Survey held at Sparrows Point, Baltimore, Md. Date First Survey November 18, 1937

Last Survey August 8, 1938

19

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) Single Screw S.S. "R. W. GALLAGHER"

Machy Aft

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

State Type of Erections P. B & F

TONNAGE under 7036
Tonnage Deck...

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 most on summer L.W.L. See Sec. 3 (1a) L 442

Launched January 22, 1938 Yard No. 4307

Total

Breadth (greatest moulded) B 64

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

Gross Tonnage 7989

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 4738

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

Breadth

64.2

Do. Long Bridge to top of keel -

Port of Registry Wilmington, Delaware

Depth

35.2

Draught Moulded

If surveyed while building, afloat, or in dry dock

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.
FRAMES, Spacing amidships	Long. framing	See Rpt. 1 *	Bracket Floors, Frame	-	
" " in fore hold	24" x 30"		" " Reversed Frame	-	
" " from 1/2 length amidships to Collision bulkhead	24"		" " Vertical Struts	-	
" " in peaks			Centre Girder, depth and thickness amidships	60 x .50-.46	
SIDE FRAMING.	See Rpt. 1 *		" " Top Angles	welded to T. Top	
Frame Amidships, Angle, [or]	-		" " Bottom Angles	welded to keel	
" " Extends up to	-		Side Girders, No. each side and thickness	2 .44	
Reversed Frame Amidships, Angle	-		Margin Plate depth (excl. of flange) and thickness	-	
" " Extends up to	-		" " Vertical Angle to Tank side	-	
Depth of Framing Girder	-		" " Bracket abaft 1/2 len. from stem	-	
Frames in Uppermost Continuous 'tween Decks, Angle, [or]	-		" " 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	7 4 44		Tank Side Brackets, height above base line at toe of Frame and thickness	-	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	See Rpt. 1 *		INNER BOTTOM PLATING.		
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 in Holds	.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?	-	
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds	-		Uppermost Continuous Deck, amidships in Wells, Angle, [or]	See Rpt. 1 *	
Height of Brackets at side above base line at toe of frame	-		" " in way of Bridge, Angle, [or]	-	
Middle Line Keelson, on Floors, Angles, [or]	-		Spacing	-	
" " Through Plate or Intercoastal Plate	-		Second Deck, amidships, Angle, [or]	-	
" " Foundation Plate on Floors	-		Spacing	-	
" " Flat Plate Keel Angles	-		Third Deck, amidships, Angle, [or]	-	
Side Keelsons, No. each side	-		Spacing	-	
" " thickness of Intercoastal Plate	-		Fourth Deck, amidships, Angle, [or]	-	
" " Angles	-		Spacing	-	
DOUBLE BOTTOM. in Machy Space			Poop Deck, Angle, [or]	See Rpt. 1 *	
Solid Floors, thickness and spacing	.50		Spacing	-	
" " Are Frame and Reversed Frame joggled?	No frames Floors welded		Bridge Deck, Angle, [or]	See Rpt. 1 *	
Bracket Floors, breadth and thickness at middle line	-		Spacing	-	
" " breadth and thickness at margin plate	-		Forecastle Deck, Angle, [or]	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.	
PILLARS, No. of Rows.....		-				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...		-			
" " " " " "		-				If Sheathed, material and thickness		-			
2" longitudinal " " "						Third Deck.					
Center Bulkhead.						Stringer Plate, breadth and thickness.....		-			
Stiffeners and Spacing.....						If Plated, state thickness.....		-			
Plating, thickness of50, .44, 42, 44, 50, .50, .52				Fourth Deck.					
STRINGERS AND DECKS.						Stringer Plate, breadth and thickness.....		-			
Uppermost Continuous Deck.						If Plated, state thickness		-			
Stringer Plate, breadth and thickness in Wells		73 1/2 .68				Poop Deck.					
" " " " in way of Bridge		73 1/2 .84				Stringer Plate, breadth and thickness		21 x .45-.38			
" Angle in Wells		6 x 6 x 26.5				Plating, sheathing, material and thickness30			
Thickness of Plating in way of Wells68 & .54				Bridge Deck.					
Thickness of Plating abreast Deck openings in way of Bridge		-				Stringer Plate, breadth and thickness.....		40 x .44			
Thickness of Plating within line of openings...		-				Plating, sheathing, material and thickness30			
If Sheathed, material and thickness		-				Forecastle Deck.					
Second Deck.						Stringer Plate, breadth and thickness.....		36 x .40			
Stringer Plate, breadth and thickness in Wells...		-				Plating, sheathing, material and thickness36			

SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged? <i>No</i>	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 Water	70	.88	.46	.46		D	1	3 3/4	5	1	3 3/4	Lapped	
UPPER DECK, Sheer- } strake in Bridge ...	-	-	-	-		-	-	-	-	-	-	-	
STRAKE BELOW Sheer- } strake in Water	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	
FOREC'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—

Extending to Upper-Deck (Sec. 3 c).....14 ✓

" Deck next below

As per Rule

FORGINGS and CASTINGS.

Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
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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.
"	Mainpiece at top pintle	C.S. frame		steel
"	" heel ...	double plate		Bethlehem
"	how constructed	stream lined		Steel Co.

double or single plate	Rudder	© 202
coupling, vertical or	Horizontal	
horizontal		

STIFFENERS.

VERTICAL.		HORIZONTAL.	
Scandlings.	Spacing.	Scandlings.	Spacing.
ntre web x 50		36 x 50 with	
th 18 x	$\frac{1}{2}$	6x32 17.4	
ce plate		Nos. 2 & 3 face bars	
vertical		reinforced.	
ites.		Lower.	
		16x4x.45	4x1 $\frac{1}{2}$ face bay
31x22.4	also	18 x 40 x	
34x17.1	fluted	4x3/8	face 6"
35x19.6	31&	8x4x17.2	plate
4x17.2	30	10x31x23.6	L5

MIDSHIP BULKH'D,	Upper deck	
"	Second	"
"	Third	"
"	Holds	"
(in Hold)		"
COLLISION		
AFTER PEAK		1.0 in

STEEL.

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.

Rpt. 1*.

"R. W. GALLAGHER"

PARTICULARS OF LONGITUDINAL FRAMING.

FRAMING.	AMIDSHIPS.			ENDS.			AMIDSHIPS.			ENDS.			Connection of frames to shell		Round bars Continuous Through			
	In Ship.			In Ship.			Per Rule or as approved.			Per Rule or as approved.			Longitudinal Frames.		Rivets in Brackets			
	Ins.	Ins.	& lbs.	Ins.	Ins.	lbs.	Ins.	Ins.	lbs.	Ins.	Ins.	lbs.	Diam.	Speng.	Inches.	Number.	Diameter.	
Framing of <u>L, L or E</u>	5	3 1/2	.38	-			5	3 1/2	38.4	-								
Frames in Bridge 'tween Decks ...	7	3 1/2	17.1	7	3 1/2	17.1									CONTINUOUS			
Frames from Uppermost Continuous Deck	8	3 1/2	18.	8	3 1/2	18.0									WELDING			
" 2	8	3 1/2	18.	8	3 1/2	18.0												
" 3	8	3 1/2	18.	8	3 1/2	18.0												
" 4	8	3 1/2	18.	8	3 1/2	18.0												
" 5	8	3 1/2	20.	8	3 1/2	20.0												
" 6	9	3 1/2	21.6	9	3 1/2	21.6												
" 7	9	3 1/2	21.6	9	3 1/2	21.6									ON			
" 8	9	3 1/2	21.6	9	3 1/2	21.6												
" 9	9	3 1/2	23.5	9	3 1/2	23.5												
" 10	10	3 1/2	24.8	10	3 1/2	24.8												
" 11	10	3 1/2	24.8	10	3 1/2	24.8									BOTH			
" 12	10	3 1/2	24.8	10	3 1/2	24.8												
" 13	10	3 1/2	27.2	10	3 1/2	27.2												
" 14	10	3 1/2	27.2	10	3 1/2	27.2												
2 1/2" half round welded to bulb	10	3 1/2	27.2	10	3 1/2	27.2												
" 15	10	3 1/2	27.2	10	3 1/2	27.2												
" 16	10	3 1/2	27.2	10	3 1/2	27.2									SIDES			
" 24	30																	
Spacing of Longitudinal Frames	Amidships																	
	At Ends																	
Double Bottoms	Tank Top Longitudinals																	
L, L or C	Bottom "																	
Spacing of Longitudinals	Amidships																	
	At Ends...																	
Transverses.																		
In Bridge	Depth and Thickness			18 x .38			18 x .38						Rivets in Lugs to Shell					
'tween Decks	Face Angles plate			4 x 7/16			4 x 7/16						Diam.		Speng.			
	Lugs to Shell*			5/16 Double Weld			5/16 Double Weld						Welded					
To	Depth and Thickness			27 - 39 x .48			27 - 39 x .48											
Uppermost Deck	Face Angles plate			5" x 1/2"			5" x 1/2"											
Side Shell	Lugs to Shell*			5/16 Continuous Weld			both			sides			Welded					
Cr. tanks bottom	Depth and Thickness			44 x .52			44 x .52											
	Face Angles plate			6 x 9/16			6 x 9/16											
Back Bars	Lugs to Shell*			Continuous Weld			both			sides			Welded					
	" " Back Bars ...			8' - 7" 8' - 7" 8' - 7"														
	Brackets																	
Spacing of Transverse Frames	State if joggled or liners.																	
Longitudinal Bridge Deck	5	3	9.8#	-			approved	-				Spacing.	In Ships.	As approved.				
Beams of	6 x 3 1/2 x 17.4	Transverse beams		as	Transverse beams		30 1/2 & 33 1/2	12x3x25#		As fitted								
L, L or C	with 1 1/2" dia. round bars welded on alternate beams.			fitted				24 x .50 plate										
Upper								24x.465 x 5/8										
Second																		
Third																		

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.

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.
12912	1st Bower ...	10050	10050	141680	10045	Stockless	Baldr	Phila. 21/7/37 J.V.C.M.
12909	2nd " ...	10050	10050	141680	10045	"	"	" " "
12913	3rd " ...	8550	8550	128240	8540	"	"	" " "
	Collective weight.	28650	28650		28630			
12916	Stream	3625	3625	68320	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 and size supplied.	Breaking Test of Steel Wire.	Length and size per Table 53.	Length and size supplied.	Breaking Test of Steel Wire.	Length and size per Table 53.	Length and size supplied.	Breaking Test of Steel Wire.	Length and size per Table 53.	Length and size supplied.	Breaking Test of Steel Wire.
521	300 2 1/2	10050	86723	300 2 1/2	CS stud link	National Malleable Steel Castings Co.	Cleveland, October 23, 1937 A. Drummond	TOWLINE...	130 1 3/16	174000	130 1 3/16	2090 8 1/2	174000	2090 8 1/2	2090 7 1/2	174000	2090 7 1/2	2090 7 1/2	174000
	125 1 1/2	126000	-	120 1 1/2	6 x 24 Galv. steel wire	Roeblings Sons & Co.	Amer. Bureau Test	HAWERS & WARPS	2090 7 1/2	174000	2090 7 1/2	2090 7 1/2	174000	2090 7 1/2	2090 7 1/2	174000	2090 7 1/2	2090 7 1/2	174000

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

Steering Chains (Size and Test) - Windlass Steam - American Engineering Co. Boats 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.... £ : : 20/9/38

Travelling Expenses, if any £ : : 20/9/38

State whether the Vessel has been built under Special Survey No

Certificate to be sent to N.Y.R. Date of issue 20.10.38

Fees applied for, August 22, 38

Received by me, 20/9/38

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

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

Committee's Minute

Character assigned 100 A1 Carrying Petroleum in bulk
Fitted for oil fuel 8.38 J.L. above 150°F.
LMC 8.38

Note - Machinery aft
Longitudinal framing
Part electrically welded
Cruiser stern
2 WTB (sp) 450 lb
FD. CL

Lloyd's Register Foundation

W1155-0108 3/4

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)

Sister Vessel - "Esso Baton Rouge" - Baltimore Report No. 6582
Approved plans being retained for sister ships
Nos. 4308 and 4309.

This vessel is the second 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	7000	J.V.C.M.	12912	-	21/7/37
2nd "	7000	J.V.C.M.	12909	-	"
3rd "	5700	J.V.C.M.	12913	-	"

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. 237760 Signal Letters W P K P Extreme Breadth over Belting - Over-all Length 463'

No. and Material of Decks One deck - steel

Parts of 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,	-	-	Fore peak tank,	-	361
Double bottom, under Engines and Boilers,	-	-	After peak tank,	-	180
Double bottom, if under Engines only, F.W.	66.3	63	Deep tank, aft,	-	-
Double bottom, if under Boilers only,	-	-	Deep tank, forward,	24	635
Double bottom, forward,	-	-	Other tanks, if fitted,	-	-
Total length (if continuous) and Capacity	-	-	(If necessary, furnish further information by sketch.)		

Order for Special Survey No. 174

Date 18th August, 1936

Dates of Surveys held while building
1937 - November 18; December 7, 9, 10, 11, 13, 15, 16, 17, 21, 22, 27, 28, 29, 30, 31;
1938 - January 3, 4, 5, 12, 13, 22; March 14, 28; May 9th; July 18; August 8

Lloyd's Register
Foundation

Total No. of Visits 27