

## STEEL STEAMER or MOTORSHIP.

Received at London Office..... 4 JUN 1942

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 May 8<sup>th</sup> 1942

Port of RICHMOND, CALIFORNIA

No. 12

Survey held at RICHMOND, CALIF.

Date First Survey Oct. 27th, 1941

Last Survey March 9th, 1942

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw)

Steel Single Screw Steamer "OCEAN VENUS"

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

Complete Superstructure, with T. O. closed

State Type of Erections --

TONNAGE under Tonnage Deck... 6734.64

CLASS + 100 A1

State if with freeboard as condition of Class

YES

Built at RICHMOND, CALIF.

Do. of space or spaces between Tonnage Dk. and Upper Dk. --

With freeboard, corresponding to a summer mld, draft of 26'10"

FEET.

Length from fore part of stem to after part of stern most on summer L.W.L. See Sec. 3 (1a)

L 416.00

Launched January 31st, 1942 Yard No. 12

Total --

Breadth (greatest moulded)

B 56.90

Builders TODD-CALIFORNIA SHIPBUILDING DIVISION

of THE PERMANENTE METALS CORPORATION

Owners H.M. GOVERNMENT IN THE UNITED KINGDOM

Gross Tonnage 7174.44

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

D 37.33

Register Tonnage 4272.08

Depth to 2nd Deck = 28.58'

1st Longitudinal Number (L x D) = 15529

Managers --

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

2nd Numeral L x (B + D) = 39200

Residence --

## REGISTERED DIMENSIONS.

FEET.

Length 425.1

Breadth 57.0

Depth 34.85

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

24.96

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

11.14

Do. Long Bridge to top of keel

Draught Moulded 26.83

Port of Registry LONDON

If surveyed while building, afloat, or in dry dock

on stocks, afloat and in dry dock

## 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>	30	✓	<b>Bracket Floors, Frame inv. angle</b>	6 3½ .38	✓
" " from ½ length amidships to Collision bulkhead	27	✓	" " Reversed Frame inv. angle	6 3½ .38	✓
" " in peaks	24	✓	" " Vertical Struts	8x3½x3½x.42/.50	✓
<b>SIDE FRAMING.</b>			<b>Centre Girder, depth and thickness amidships</b>	43.5 x .54	✓
Frame Amidships, Angle	12x4x4x.59/.69	✓	" " top angles welded top	--	
" " Extends up to	2nd deck	✓	" " bottom angles & bottom	--	
<b>Reversed Frame Amidships, Angle</b>	--		<b>Side Girders, No. each side and thickness</b>	one .38	✓
" " Extends up to	--		horizontal width	68 x .54	✓
<b>Depth of Framing Girder</b>	12	✓	<b>Margin Plate</b> (depth x thickness) and thickness	68 x .54	✓
<b>Frames in Uppermost Continuous 'tween Decks, Angle</b>	6x3½x3½x.34/.38	✓	" " Vertical Angle to Tank side Bracket abaft ½ len. from stem	Welded to tank side brackets	
" " <b>Second 'tween Decks, Angle</b> [ or [	--		" " Vertical Angle to Tank side Bracket from forward ½ len. from stem to Panting Area		
" " <b>Third No. 1 Hold (frs. 13-38)</b> [ or [	15x3.37x3.37x.52/.62	✓	" " Gussets, spacing and scantling abaft ½ len. from stem	12 x .44 continuous	
" " <b>from ½ len. for'd. to 15% len. from Stem</b>	--		" " Gussets, spacing and scantling from forward to Panting Area	15 x .44 continuous	✓
" " <b>No. 2 Hold, as amidships in Peaks, Angle</b> [ or [	8 3½ .34	✓	<b>Tank Side Brackets, height above base line at toe of Frame and thickness</b>	85.5 x .44	✓
<b>Diameter and Spacing of Rivets through Frame and Shell Plating amidships</b>	7/8 @ 6½ dias.	✓	<b>INNER BOTTOM PLATING.</b>		
<b>State if Frame Joggled</b>	NO	✓	Breadth and thickness of Middle Line Strake	60 x .52	✓
Are the scantlings and arrangements in the <b>Panting Area</b> in accordance with the Rules and/or as approved?	YES	✓	Thickness of remainder in Holds	.44	✓
Are the scantlings and arrangements in way of the <b>Bottom Forward</b> 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?	YES	✓
<b>SINGLE BOTTOM.</b>			<b>BEAMS.</b>		
<b>Floors, Depth and thickness at mid-line in Holds</b>	--		<b>Uppermost Continuous Deck, amidships Inv. Angle</b>	7 4 .38	✓
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	ev. fr.	✓
" " Through Plate or Intercostal Plate	--		<b>Second Deck, amidships, Angle, [ or [</b>	8 4 .43	✓
" " Foundation Plate on Floors	--		Spacing	7 4 .38	✓
" " Flat Plate Keel Angles	--		<b>Third Deck, amidships, Angle, [ or [</b>	--	
<b>Side Keelsons, No. each side</b>	--		Spacing	--	
" " thickness of Intercostal Plate	--		<b>Fourth Deck, amidships, Angle, [ or [</b>	--	
" " Angles	--		Spacing	--	
<b>DOUBLE BOTTOM.</b>			<b>Poop Deck, Angle, [ or [</b>	--	
<b>Solid Floors, thickness and spacing</b>	.38 @ 10'	✓	Spacing	--	
" " Are Frame and Reversed Frame joggled?	No	✓	<b>Bridge Deck, Angle, [ or [</b>	--	
<b>Bracket Floors, breadth and thickness at middle line</b>	36 x .38	✓	Spacing	--	
" " breadth and thickness at exceeding margin plate	36 x .38	✓	<b>Forecastle Deck, Angle, [ or [</b>	--	
			Spacing	--	



PILLARS AND DECKS.				ANCHORS.			
Reinforced hatch side girders & strong hatch end PILLARS, No. of Rows...One...in...tw...decks only	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.	beams, in accordance with approved plans	Number of Certificate.	Weight of Stockless	Weight of Stock	Where and when tested and Superintendent.
( 6 6 .38 angle			Stringer Plate, breadth and thickness in way of Bridge	767	7740 lbs.	119560 lbs.	Pittsburg, Cal., 9 Dec./41
" in 'tween Decks, Size and Spacing..... ( 5 5 .38			Thickness of Plating abreast Deck openings)	768	7723 "	119280 "	" " 9 Dec./41
" alt. frs. 1			Thickness of Plating abreast Deck openings) in way of Bridge	764	2582 "	52010 "	" " 7 Nov./41
" " " " " "			Thickness of Plating within line of openings...				
" in Holds " " " "			If Sheathed, material and thickness				
Centre Line Bulkhead. (9x7 1/2 x .36/.57 inv. T			Third Deck.				
Stiffeners and Spacing..... (7x4x.38 inv. angle			Stringer Plate, breadth and thickness.....				
Plating, thickness of .30			If Plated, state thickness.....				
STRINGERS AND DECKS.			Fourth Deck.				
Uppermost Continuous Deck.			Stringer Plate, breadth and thickness.....				
Stringer Plate, breadth and thickness 65 x .62			If Plated, state thickness				
" " " " " " " "			Poop Deck.				
" " " " " " " "			Stringer Plate, breadth and thickness				
Thickness of Plating abreast Deck openings) .62			Plating, Sheathing, material and thickness				
Thickness of Plating abreast Deck openings) in way of Bridge			Bridge Deck.				
Thickness of Plating within line of openings... .40			Stringer Plate, breadth and thickness.....				
If Sheathed, material and thickness			Plating, Sheathing, material and thickness				
Second Deck.			Forecastle Deck.				
Stringer Plate, breadth and thickness 108 x .40			Stringer Plate, breadth and thickness.....				
			Plating, Sheathing, material and thickness				

SHELL PLATING.				RIVETING.			
SCANTLINGS.				EDGES.			
STRAKES.	AS IN VESSEL.	ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	State if jogged?	SINGLE OR DOUBLE.	RIVETS.	NO. OF ROWS OF RIVETS.	STRAPPED OR LAPPED.
	AMIDSHIPS.	FORWARD.	AFT.		Diam.	Spacing or to cr.	
Breadth. Thickness. Thickness. Thickness.	Inches. Inches. Inches. Inches.				Inches. Inches.		
FLAT PLATE KEEL	60	.88	.68	.81	Butt welded		Butt welded
" DBLG. (if any)	--	--	.62 @ F.P.		" "		" "
BOTTOM PLATING, No. of Strakes...Two....	--	.64	.67	.54	" "		" "
BILGE PLATING, No. of Strakes...One....	--	.64	.58	.54	" "		" "
SIDE PLATING, No. of Strakes...Three....	--	.64	.58	.46	" "		" "
UPPER DECK, Sheer-strake in Wells....	91	.72	.58	.46	" "		" "
UPPER DECK, Sheer-strake in Bridge ...	--	--	--	--	" "		" "
STRAKE BELOW Sheer-strake in Wells....	--	--	--	--	" "		" "
STRAKE BELOW Sheer-strake in Bridge ...	--	--	--	--	" "		" "
POOP SIDE PLATING	--	--	--	--	" "		" "
BRIDGE SIDE PLATING	--	--	--	--	" "		" "
FORECASTLE SIDE PLATING	--	--	--	--	" "		" "

WATERTIGHT BULKHEADS.				FORGINGS and CASTINGS.			
Total No. of W.T. BULKHEADS in Vessel	Extending to Upper Deck (Sec. 3 c)	Deck next below	As per Rule	KEEL Bar	STEM Rolled Bar	STERN FRAME	RUDDER-Type
ONE (Coll. BHD.) ( 6 Divisional W.T.BHDS.	SEVEN (inc.D.T.Aft. in 'tween Decks BHD.)	SEVEN	SEVEN	Propeller Post	As per approved plan	C.S., Columbia Steel Co. Pittsburg, Calif.	Goldschmidt Patent Streamline constructed by Bethlehem Steel Co., Leetsdale, Pa.
Plating Thickness.	VERTICAL.	HORIZONTAL.	Scantlings. Spacing.	Diam. of head	F.S. 9 1/2"	Newport News S.B.&D.D.	how constructed
Fr. 81	inv. angle	5x3x5/16	30"-31 1/2"	Mainpiece at top pintle	12 3/4"		All welded seamless steel tube with horizontal plate diaphragms
MIDSHIP BULKHEAD, Upper 'tween decks	.26	5x3x5/16	30"-31 1/2"	heel	10"		double coupling, horizontal
" " Second	--	--	--				
" " Third	--	--	--				
" " Holds	.28-.45	9x7 1/2 x .36/.57	30"-31 1/2"				
COLLISION (in Hold)	.30-.52	6x3 1/2 x .38	24"				
AFTER PEAK	.32-.70	6x3 1/2 x .38	24"				
Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)				S. M. Open Hearth			
Bethlehem Steel Co., Columbia Steel Co., Republic Steel Corp., By-Products Steel Corp.				Has the Steel been tested as required by the Rules?			
				Yes			

EQUIPMENT No. 39770				LETTER 244		ANCHORS.	
Number of Certificate.	Weight of Stockless	Weight of Stock	Test, per Certificate.	Weight of Cable	Description of Anchor.	Makers.	Where and when tested and Superintendent.
767	7740 lbs.	119560 lbs.	119560 lbs.	23 3/4"	Baldt Stockless	Columbia	Pittsburg, Cal., 9 Dec./41
768	7723 "	119280 "	119280 "	23 3/4"	"	Steel Co.	" " 9 Dec./41
764	2582 "	52010 "	52010 "	23 3/4"	"	Pittsburg California	" " 7 Nov./41

CHAIN CABLES.				HAWERS AND WARPS.			
Number of Certificate.	Length and size supplied.	Test, per Certificate.	Weight of Cable.	Length and size supplied.	Test, per Certificate.	Weight of Cable.	Length and size supplied.
9813	225 2 5/16	215600 lbs.	70480 lbs.	225 2 5/16	215600 lbs.	70480 lbs.	225 2 5/16
9724	17 2 3/4	1700 lbs.	Joining Shackles	17 2 3/4	1700 lbs.	Joining Shackles	17 2 3/4
9830	12 2 3/4	1200 "	End Shackles	12 2 3/4	1200 "	End Shackles	12 2 3/4
90	5 1/8	118400 "	(6x12)	5 1/8	118400 "	(6x12)	5 1/8

**Steering Gear, Type (Power or hand)** Steam, Summer Iron Works  
**Alternative Means of Steering** Efficient arrangement of blocks and tackles led to after warping winch  
**Steering Chains (Size and Test)** Windlass Steam, Street Bros.  
**Ceiling in Holds, thickness and material** 2 1/2" Pine  
**Cargo Hatchways, (Upper Deck)** Strong steel plate coamings  
**Thickness of Hatches** 2 3/4" Pine  
**Size of Hatchways** No. 1 (Fwd.) 33'9"x20' No. 2 35'x20' No. 3 15'x20' No. 4 29'9"x20' No. 5 35'x20' X. Bkr. 7'6"x20'  
**Number of Shifting Beams** No. 1 - 5 No. 2 - 5 No. 3 - 2 No. 4 - 5 No. 5 - 5 X. Bkr. - 1  
**Builder's Signature** TODD-CALIFORNIA SHIPBUILDING DIVISION  
**of THE PERMANENTE METALS CORPORATION**

**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 No  
 (b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo No  
 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 constructed in accordance with the approved plans, the Secretary's letters of various dates, and in compliance with the Rules and Regulations for the class contemplated.

The workmanship and materials are good.

The double bottom, peak, deep and fresh water tanks, bulkheads, tunnels, W.T. door, steering gear and windlass have been tested and found satisfactory.

The freeboards assigned by the Committee have been marked on the vessel's sides and verified, the vessel being of the shelter deck type, with the tonnage opening permanently closed by riveted plate, and the bulkheads being carried watertight to the upper deck. An endorsement has been issued with the Provisional Load Line Certificate, relating to emergency deeper loading, in accordance with Circular No. 1784. The openings in Tween Deck bulkheads have been closed, in accordance with M.S. Circular 1835.

The equipment of anchors and chain cables is in accordance with the War Emergency Reduction of Equipment Requirements, and it is recommended that a suitable notation be entered on the First Entry Certificate.

The vessel is fitted with Direction Finding Wireless equipment; also with Echo Sounding Device, which does not pierce the shell plating.

The vessel has also been surveyed during construction on behalf of the British Purchasing Commission, in accordance with the requirements of the hull specification, and the specification requirements have been completed to our satisfaction.

The amount of Entry Fee		Fees applied for, IN LONDON	
..... \$ 50.00	19	Received by me,	19
Special Survey Fee.... \$ 2972.50			
Travelling Expenses, if any £			

State whether the Vessel has been built under Special Survey. YES

Certificate sent to Owners London Date of issue 3/2/42

Committee's Minute NEW YORK MAY 13 1942

Character assigned +100A1 With freeboard +LMC-3,42

NOTE - Elec. Welded  
 British Steel - A.C.P.  
 EQUIPT. LTR. - AT-D.F.E.P.D.  
 3 S.B. (Skt) 220 lbs.  
 300 light

Lloyd's Register Foundation  
 W255-0034 2/2



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.)

The vessel is the twelfth of thirty sister ships, Nos. 1 to 30, to be built by the Todd-California Shipbuilding Division of the Permanente Metals Corporation, to the order of H. M. Government in the United Kingdom. The approved plans have been retained for dealing with the sister vessels.

Forwarded herewith:

MIDSHIP SECTION AS BUILT  
COPY OF INTERIM CERTIFICATE B  
THREE CASTINGS AND FORGING REPORT

SISTER SHIPS:

Yard No. 1	"OCEAN VANGUARD", Richmond, Calif.,	Report No. 1
2	" VIGIL	2
3	" VOICE	3
4	" VENTURE	4
5	" VIKING	5
8	" VESTAL	6
6	" VESPER	7
7	" VALLEY	8
9	" VISION	9
10	" VULCAN	10
11	" VALOUR	11

PARTICULARS OF ELECTRIC WELDING (if employed) The vessel is of entirely welded construction, with the exception of the connections of side framing to shell, and rider plates to hatch side girders, and end beams which are riveted. Electrodes, complying with Section 4, paras. 1-9, of the Rules, have been employed for manual welding. Machine welding by the approved "Unionmelt" Process has also been used. The form and location of the various welded joints employed are in accordance with welding details approved by the Committee. The Rules for the application of Electric Arc Welding to Ship Construction have been complied with where applicable.

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

Cruiser Stern; Lloyds A & CP;; D.F., E.S.D.

Electric Welding Notation to be decided by the Committee

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower Weight of head, 5900 lbs., H.C. 767, 9th Dec. 1941
	2nd „ " " " 5880 " " 768, " " "
	Stream „ " " " 1910 " " 764, 7th Nov. 1941
	3rd „ " " " " " " "

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop — ft., R.Q.D. — ft., Bridge — ft., Forecastle — ft.

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

Official No. not yet issued Signal Letters not yet issued Extreme Breadth over Belting No belting Over-all Length 441.5  
(Circ. 1611) (Circ. 1708)

No. and Material of Decks Two—Steel

Parts of Bottom of Vessel coated with cement or approved composition D.B. tanks under machinery spaces coated with 1½" solid cement on bottom, with bitumastic on other surfaces. Remainder of D.B. tanks cement washed only; peaks cemented.

Particulars of composition (if fitted) and of approval Bitumastic enamel and solution

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.)

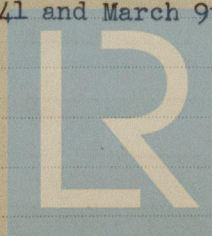
Where Fitted.	Length. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	135	361	Fore peak tank,	22.8	124
Double bottom, under Engines and Boilers,	45	212	After peak tank,	24.9	166
Double bottom, if under Engines only,	—	—	Deep tank, aft,	20.0	734
Double bottom, if under Boilers only,	—	—	Deep tank, forward,	—	—
Double bottom, forward,	188.2	735	Other tanks, if fitted,	—	—
Total length (if continuous) and Capacity	368.2	1308	(If necessary, furnish further information by sketch.)		

Continuous attendance between Oct. 27th, 1941 and March 9th, 1942

Order for Special Survey No.

Date

Dates of Surveys  
held while building



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Lloyd's Register  
Foundation

Total No. of Visits