

STEEL STEAMER OF MOTORSHIP.

Received at London Office... 7 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 8th 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) Complete Superstructure, with T. O. closed State Type of Erections --

TONNAGE under Tonnage Deck... 6734.64 CLASS + 100 A1 (State if with freeboard) **YES** Built at RICHMOND, CALIF.

Do. of space or spaces between Tonnage Dk. and Upper Dk. -- Length from fore part of stem to after part of stern } **L** 416.00 Launched January 31st, 1942 Yard No. 12

Total -- Breadth (greatest moulded) **B** 56.90 Builders TODD-CALIFORNIA SHIPBUILDING DIVISION

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 Owners H.M. GOVERNMENT IN THE UNITED KINGDOM

Register Tonnage 4272.08 Depth to 2nd Deck = 28.58 1st Longitudinal Number (L x D) = 15529 Managers --

REGISTERED DIMENSIONS. FEET. Framing Depth "d," at middle of length. See Sec. 3 (1d) 24.96 Residence --

Length 425.1 Proportions—Depth to Length—Uppermost continuous deck to top of keel 11.14 Port of Registry LONDON

Breadth 57.0 Do. Long Bridge to top of keel -- If surveyed while building, afloat, or in dry dock

Depth 34.85 Draught Moulded 26.83 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.	
FRAMES, Spacing amidships	30	✓			Bracket Floors, Frame inv. angle	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			✓
SIDE FRAMING.					Centre Girder, depth and thickness amidships	43.5	x	.54	✓
Frame Amidships, Angle [or [	[ 12x4x4x.59/.69			✓	" " top welded top	--			✓
" " Extends up to	2nd deck			✓	" " bottom angles & bottom	--			✓
Reversed Frame Amidships, Angle	--				Side Girders, No. each side and thickness	one	.38		✓
" " Extends up to...	--				horizontal width	68 x .54			✓
Depth of Framing Girder.....	12			✓	Margin Plate (depth, thickness and thickness)	68 x .54			✓
Frames in Uppermost Continuous 'tween } Decks, Angle [or [	6x3½x3½x.34/.38			✓	" " Vertical Angle to Tank side } Bracket abaft ½ len. from } stem	Welded to } tank side } brackets			✓
" " Second 'tween Decks, Angle [or [	--				" " Vertical Angle to Tank side } Bracket from forward ½ len. } from stem to Panting Area }	12 x .44			✓
" " Third } No. 1 Hold (frs. 13-38) } from ½ len. for'd. to 15% len. from } Stem.....	[15x3.37x3.37x.52/.62			✓	" " Gussets, spacing and scantling } abaft ½ len. from stem.....	15 x .44			✓
" " No. 2 Hold, as amidships } in Peaks, Angle [or [	8 3½ .34			✓	" " Gussets, spacing and scantling } from forward part of stem } to Panting Area. No. 1 Hold }	15 x .44			✓
Diameter and Spacing of Rivets through } Frame and Shell Plating amid- } ships	7/8 @ 6½ dias.			✓	Tank Side Brackets, height above base line } at toe of Frame and thickness }	85.5 x .44			✓
State if Frame Joggled	NO			✓	INNER BOTTOM PLATING.				
Are the scantlings and arrangements in the } Panting Area in accordance with the Rules } and/or as approved?	YES			✓	Breadth and thickness of Middle Line Strake ...	60	x	.52	✓
Are the scantlings and arrangements in way } of the Bottom Forward in accordance with } the Rules and/or as approved?	YES			✓	Thickness of remainder in Holds .....	.44			✓
SINGLE 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?	YES			✓
Floors, Depth and thickness at mid-line in } Holds	--				BEAMS.				
Height of Brackets at side above } base line at toe of frame	--				Uppermost Continuous Deck, amidships } Inv. Angle in Webs Angle Deck	7	4	.38	✓
Middle Line Keelson, on Floors, Angles, } [or [.....	--				" " in way of Bridge, Angle, }	--			✓
" " Through Plate or } Intercostal Plate... }	--				Spacing	ev. fr.			✓
" " Foundation Plate on } Floors	--				Second Deck, amidships, Angle, [or [.....	8	4	.43	✓
" " Flat Plate Keel Angles	--				Spacing.....	7	4	.38	✓
Side Keelsons, No. each side	--				Third Deck, amidships, Angle, [or [.....	--			✓
" " thickness of Intercostal Plate...	--				Spacing.....	--			✓
" " Angles	--				Fourth Deck, amidships, Angle, [or [.....	--			✓
DOUBLE BOTTOM.					Spacing.....	--			✓
Solid Floors, thickness and spacing .....	.38 @ 10'			✓	Poop Deck, Angle, [or [.....	--			✓
" " Are Frame and Reversed Frame } joggled?	No			✓	Spacing.....	--			✓
Bracket Floors, breadth and thickness at } middle line..... }	36 x .38			✓	Bridge Deck, Angle, [or [.....	--			✓
" " breadth and thickness at } margin plate..... }	36 x .38			✓	Spacing	--			✓
					Forecastle Deck, Angle, [or [.....	--			✓
					Spacing	--			✓

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.
Reinforced hatch side girders & strong hatch end beams, in accordance with approved plans					
PILLARS, No. of Rows... One, in tw. decks only					
in 'tween Decks, Size and Spacing.....	(6 5 .38 angle)			.40	Thickness of Plating abreast Deck openings)
" " " " " "	(5 5 .38 alt. frs.)				Thickness of Plating abreast Deck openings) in way of Bridge
" " " " " "					Thickness of Plating within line of openings...
" " " " " "					If Sheathed, material and thickness
Centre Line Bulkhead.	(9x7 1/2 x .36/.57 inv. T angle)				Third Deck.
Stiffeners and Spacing.....	(7x4x.38 inv. on alt. frames)				Stringer Plate, breadth and thickness.....
Plating, thickness of	.30				If Plated, state thickness.....
STRINGS AND DECKS.					Fourth Deck.
Uppermost Continuous Deck.					Stringer Plate, breadth and thickness.....
Stringer Plate, breadth and thickness.....	65 x .62				If Plated, state thickness
" " " " " " in way of Bridge					Poop Deck.
" " " " " " Welded to shearstrake					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.

STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.		BUTTS.			
	AMIDSHIPS.		FORWARD.			State if Joggled?	RIVETS.	NO. OF ROWS OF RIVETS.		RIVETS.	STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.				SINGLE OR DOUBLE.	Diam.			Spacing cr. to cr.	Diam.	Spacing cr. to cr.
FLAT PLATE KEEL	60	.88	.68	.81		Butt welded			Butt welded		
" DBLG. (if any)											
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.

Total No. of W.T. BULKHEADS in Vessel	Extending to Upper Deck (Sec. 3 c)	Deck next below	As per Rule
ONE (Coll. BHD.) (6 Divisional W.T. BHDs.)	SEVEN (inc. D.T. Aft. in 'tween Decks BHD.)	SEVEN	SEVEN

FORGINGS and CASTINGS.

Item	Material	Dimensions	Notes
KEEL Bar			
STEM Rolled Bar		10" x 2 1/2"	
STERN FRAME	Propeller Post		As per approved plan
Speed of Vessel	C.S., Columbia Steel Co. Pittsburg, Calif.		Not exceeding 12 knots
RUDDER-Type	Goldschmidt Patent Streamline constructed by Bethlehem Steel Co., Leetsdale, Pa.		
" A x D		299	
" Diam. of head	F.S.	9 1/2"	Newport News S.B. & D.D.
" Mainpiece at top pintle		12 3/4"	
" " heel		10"	
" how constructed	All welded seamless steel tube with horizontal plate diaphragms		
" double coupling			
" horizontal			Horizontal

STEEEL	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)	Has the Steel been tested as required by the Rules?
	Bethlehem Steel Co., Columbia Steel Co., Republic Steel Corp., By-Products Steel Corp.	Yes

EQUIPMENT No. 39770		LETTER A +		ANCHORS.	
Number of Certificate.	767	Weight of Stockless	7740 lbs.	Test, per Certificate	119560 lbs.
Anchors	1st Bower	Weight of Stock	7723 "	Weight Required by Table B.	119280 "
	2nd "				
	3rd "				
	Collective weight		15463 "		194 1/2 "
	Stream		2582 "		23 3/4 "

CHAIN CABLES.		HAWERS AND WARPS.	
Number of Certificate.	9813	Length and size supplied.	225 2 5/16 - 301840
	9724 a	Test per Certificate.	215600 lbs.
	9830	Weight of Chain Cable.	70480 lbs.
	90	Length and Size per Table B.	720 3/4 270 2 5/16 S.L.

Steering Gear, Type (Power or hand) Steam, Summer Iron Works Everett, Wash. Alternative Means of Steering Efficient arrangement of blocks and tackles led to after warping winch

Steering Chains (Size and Test) Windlass Steam, Street Bros. Chatanooga, Tenn. Boats 2 @ 20 x 6.75 x 2.6 1 @ 26 x 8 x 3.25 1 @ 27 x 8.25 x 3.4--Motor

Ceiling in Holds, thickness and material 2 1/2" Pine Cargo Battens, thickness, material and spacing 1 3/4" Pine, 9" Clear

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.

Item	Amount	Received by me	Signature
The amount of Entry Fee	\$ 50.00		
Special Survey Fee	\$ 2972.50		
Travelling Expenses, if any £			

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

Certificate to be sent to Bureau Larkin 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. (Ckt) 220 lbs. Blue 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.	Ship Name	Location	Report No.
1	"OCEAN VANGUARD"	Richmond, Calif.	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

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.)

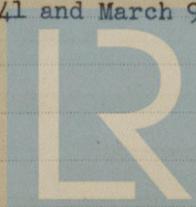
Where Fitted.	Length.	Water Capacity.	Where Fitted.	Length.	Water Capacity.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft,	135	361	Fore peak tank,	22.8	124
Double bottom, under Engines and Boilers,	45	212	After peak tank,	24.9	166
Double bottom, if under Engines only,	--	--	Deep tank, aft,	20.0	734
Double 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.)		

Order for Special Survey No. _____

Date _____

Dates of Surveys held while building

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



Lloyd's Register Foundation
Total No. of Visits ✓