

STEEL STEAMER ~~OF~~ ~~MOTORSHIP~~

Received at London Office 13 AUG 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 16th, 1942

Port of RICHMOND, CALIFORNIA

No. 20

Survey held at RICHMOND, CALIFORNIA

Date First Survey Feb. 17th, 1942

Last Survey May 15th

1942

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) Steel Single Screw Steamer "OCEAN VOLGA"

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) Complete Superstructure, with T.O. closed

State Type of Erections --

TONNAGE under 6734.64
Tonnage Deck...)

CLASS +100 A1 With freeboard, corresponding to a summer mld. draft of 26' 10"

State if with freeboard } Yes
(Condition of Class) FEET.

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

Total --

Breadth (greatest moulded) B 56.90

Gross Tonnage 7174.44

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous } D 37.33
deck. See Sec. 2 (1a)

Register Tonnage 4272.08

Depth to 2nd Deck = 28.58
1st Longitudinal Number (L x D) = 15529

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

REGISTERED DIMENSIONS.
FEET.

Length 425.1

Framing Depth "d," at middle of length. See } 24.96
Sec. 3 (1d)

Breadth 57.0

Proportions—Depth to Length—Uppermost continuous deck to top of keel } 11.14
Do. Long Bridge to top of keel }

Depth 34.85

Draught Moulded 26.83

Built at RICHMOND, CALIFORNIA

Launched April 21, 1942 Yard No. 20

Builders TODD-CALIFORNIA SHIPBUILDING DIVISION
OF THE PERMANENTE METALS CORPORATION

Owners H. M. GOVERNMENT IN THE UNITED KINGDOM

Managers --

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

Residence --

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.
FRAMES, Spacing amidships	30 ✓		Bracket Floors, Frame inv. angle	6 3½ .38 ✓	
" " from ⅓ 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 ✓			" " xxxxxx Welded top....	--	
" " Extends up to	2nd deck ✓		" " xxxxxx & bottom....	--	
Reversed Frame Amidships, Angle	--		Side Girders, No. each side and thickness	one .38	
" " Extends up to...	--		horizontal width		
Depth of Framing Girder.....	12 ✓		Margin Plate depth (incl. of bulge) 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			" " Gussets, spacing and scantling } abaft ½ len. from stem 15 x .44		
" " 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 } from forward ½ len. from stem to Panting Area. No. 1. Hold continuous		
" " No. 2 Hold, as amidships } in Peaks, Angle, [or] 8 3½ .34 ✓			Tank Side Brackets, height above base line } at toe of Frame and thickness } 85.5 x .44		
Diameter and Spacing of Rivets through } Frame and Shell Plating amidships	7/8 @ 6½ dias. ✓		INNER BOTTOM PLATING.		
State if Frame Joggled	No ✓		Breadth and thickness of Middle Line Strake ... 60 x .52		
Are the scantlings and arrangements in the } Panting Area in accordance with the Rules and/or as approved?	Yes ✓		Thickness of remainder in Holds44		
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?	Yes	
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in } Holds	--		Uppermost Continuous Deck, amidships } Inv. Angle ✓ xxxxxx Angle, [or]	7 4 .38 ✓	
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.....	ev. fr.	
" " " Through Plate or } Intercoastal Plate....	--		inv. ✓		
" " " Foundation Plate on } Floors	--		Second Deck, amidships } Angle, [or] xxxxxx	8 4 .43 ✓	
" " " Flat Plate Keel Angles	--		Spacing.....	7 4 .38 ✓	2 beams
Side Keelsons, No. each side	--		Third Deck, amidships, Angle, [or]	--	
" " thickness of Intercoastal Plate...	--		Spacing.....	--	
" " Angles	--		Fourth Deck, amidships, Angle, [or]	--	
DOUBLE BOTTOM.			Spacing.....	--	
Solid Floors, thickness and spacing38 @ 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	--	

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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 twentieth 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 REPORTS

SISTER SHIPS:

Yard No.	1	"	"	"	"	11	"	"	"	"	"
	"	"	"	"	"	12	"	"	"	"	"
	"	"	"	"	"	13	"	"	"	"	"
	"	"	"	"	"	14	"	"	"	"	"
	"	"	"	"	"	15	"	"	"	"	"
	"	"	"	"	"	16	"	"	"	"	"
	"	"	"	"	"	17	"	"	"	"	"
	"	"	"	"	"	18	"	"	"	"	"
	"	"	"	"	"	19	"	"	"	"	"
	"	"	"	"	"	20	"	"	"	"	"

(continued from Page 3)

NUMBER OF CERTIFICATE	DIAMETER	JOINING LINKS		WEIGHT	DATE TESTED	SUPERINTENDENT
		TEST PER CERT.	STATUTORY			
471,473,477	2 5/16	303320 ✓	424630 ✓	162 lbs.	Apr. 28, 1941	F. Osborne
637,8,9 640,1,4,6,9 651,2,5	"	"	"	594 lbs.	June 9, 1941	"
656	"	"	"	54 lbs.	June 12, 1941	"
509,512,3,4 515,6,9,520	2 3/8	319050 ✓	446660 ✓	432 lbs.	Apr. 28, 1941	"
959,961,2,3	"	"	"	216 lbs.	Sept. 18, 1941	A. T. Grimes

Nos. 471, 473, 477, 509, 514, 516, 520, 638, 639, 651, 655, 656, 959, and 963 are spares.

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	5800 lbs.	H. C. 786	January 3rd, 1942
	2nd "	"	"	"	"
	Stream	"	"	"	"
	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. 1703)

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.)		

Continuous attendance between February 17th and May 15th, 1942

Order for Special Survey No. ✓

Date ✓

Dates of Surveys held while building



Lloyd's Register Foundation

Total No. of Visits ✓