



VC2-S-AP3 Cargo Ship reference plans, 1907-1976, bulk 1943-1944

HDC 1308
SAFR 21367
SAFR-0001/ GOGA 796
DACS Reference Code us - CSfMM -21367

Creator

California Shipbuilding Corporation
George G. Sharp (Design Agent)
Long Beach Naval Shipyard
Norfolk Naval Shipyard (U.S.)

Extent

9 11-3/4" x 17"Boxes, (approximately 3 LF)

Repository

San Francisco Maritime National Historical Park
Historic Documents Collection
Fort Mason, Building E
San Francisco, California, 94123

Scope and Content

Collection is open for use.

The bulk of this collection consists of blueprints and diazotypes of Reference Plans for VC2-S-AP3 Cargo, or Victory, Ships used during World War II.

There are a number of other record types in this collection. They include charts, tables, diagrams, booklets of general plans, news clippings, notes, correspondence, periodicals, pamphlets and assembly instructions.

Boxes 1-7 are Reference Plans that show arrangement and details of, as well as Bills of Materials for, various parts and fittings of these cargo ships. There are also lists, diagrams, plans, tables and notes. These include arrangements and details of Throttle Valve Support and Operating Gear, Westinghouse Turbines, Drains, Safety Valves, Easing Gear, Moorings, Shafting, Bilge systems, Tanks, Heating coils, Steam Pipes, Valves and Flanges, Steam Fittings, Ballast Flow, Firemains and Sprinkling Systems, Ammunition Handling and Stowage, Gun Control Systems, Voice Tubes and the S.P. Battle Telephone System. There are bills of material for Electrical, Sound and Radio Systems, Sounding Tubes and Air Escapes, the Steam Smothering System and Plumbing Drains; lists of Lighting Circuits, Power and Control Cables, Spare Parts, Gauges, Machinery and Alterations; diagrams of Degaussing systems; Docking Plans; Conversion Tables; and General Notes.

Most of the ships were built for the United States Maritime Commission (USMC) by the California Shipbuilding Corporation. George G. Sharp of New York was the Design Agent. Other creators include Westinghouse Electric; Pelham Electrical Manufacturing Corp.; and the Paragon Electric Company; Bethlehem Pacific Coast Steel Corporation, Shipbuilding Division, San Pedro Yard, Terminal Island, California; Foster Design Agency for Long Beach Naval Shipyard, Long Beach, California; Norfolk Naval Shipyard; United States Coastguard; and the United States Navy.

Box 8 includes blueprints and miscellaneous materials from Victory ships and other USMC vessels. Box 9 includes some blueprints related to USMC vessels but also has an assortment of miscellaneous documents related to maritime history. The Container List for each box is listed below, along with some notes regarding conservation issues. .

History/ Biography

Victory ships were produced in large numbers during World War II. They were designed to replace shipping losses caused by German submarines; they were faster and had stronger hulls than Liberty ships. AP3-type Victory ships had 8,000 horsepower engines. North American shipyards built 141 of this type ship during the war.

Most of the reference plans are for AP3-type Victory ships more generally. However, the collection does include blueprints and diazotypes that were produced by specific shipyards or corporations for specific ships. Information on those ships and yards provided in the Container lists; so researchers can pursue those particular histories independently.

Arrangement and associated lists:

Original order was maintained. Container lists for Boxes 8 and 9 only. Please note use conditions for particular items.

Box 8 Container List:

Bow Wrapper Plate – Bearding Line and Sight Edges of Sketch Plates A-1 and A-1A, undated

Tanks Tables – Fuel Oil Settling Tank, Port and Starboard, Undated. *Condition: this item is tearing and covered in tape that is disintegrating. Do not handle or reproduce.*

Instructions for Halide Leak Detector Outfit, Undated

Assembly Instructions for CR HC Model C Room Fan Coil Unit, 1966 (2 copies)

Freon Piping Arrangement in Messing Spaces, Victory Class, Pacific Ship Repair (Diazotype), 1967

V1663-S29-1-4 Tank Tables, General Notes, Undated. *Condition: photocopy, partially illegible.*

Controller Wiring Diagram, Right Hand Winch Assembly, Designed by Westinghouse, 1944

T V. Battery Charging Panel, Built for the United States Maritime Commission by Pelham Electrical Manufacturing Corp. (Blueprint), Circa 1943-1944

Booklet of Tables and Measurements [possibly for a Victory ship], pages 11-104, (Blueprint), Undated.

Calibration Chart, Radio Direction Finder, SS NAVAJO VICTORY, 1944

Prints Issued, Plan No. V-1663-S29-1-4 [for Victory ship], 1944. *Condition: torn and stained; handle and reproduction at the discretion of processing archivist.*

Installations – Mivec Drawing No. WO-1905-6-6-52, SS NAVAJO VICTORY, 1952 June 5

Booklet of Hold Loft Offsets, Lines Offsets on Frames – ECS-S-AP1 Cargo Vessels, California Shipbuilding Corporation, 1943, June 20

Marine Boiler Water Sample Cooler – Dimensional Details and Material List (Diazotypes), 1943. *Condition: 2 drawings, one stained with what looks like mud.*

#6 Steering Column Assembly for USMC type VC-2-5-AP5 Vessels (Diazotype), 1943, 1951

Booklet of Tank Tables, Double Bottom Tanks, V-1663-S29-1-4 [for Victory ship] (Blueprint), Circa 1944 (torn, folded stained)

Longitudinal Assembly Drawings, by Westinghouse Electric (Blueprint), 1943

Booklet of General Plans, ARV(E) 3-4 (Blueprint), Undated

Booklet of General Plans, AO-142, Prepared by Bethlehem Pacific Coast Steel Corporation, Shipbuilding Division, San Pedro Yard, Terminal Island, California (Blueprint), 1951

Booklet of General Plans, Scheme “F” (LSM (R) 501-536) Modified Bow (Diazotype), Undated

Booklet of General Plans, LSM (R) 536, Prepared by Foster Design Agency for Long Beach Naval Shipyard, Long Beach, California (Diazotype), 1955

United States Coast Guard, Stability Test Data – USAT HOPE (Photocopy), 1976

Booklet of General Plans, T-AO-142 – USNS SHAWNEE TRAIL, Prepared by Bethlehem Pacific Coast Steel Corporation, Shipbuilding Division, San Pedro Yard, Terminal Island, California (Blueprint), 1953

LSM(R)501 CLASS DOCKING PLAN, Norfolk Naval Shipyard (Blueprint),
1948

Box 9 Container List:

Booklet of General Plans, Prepared by Foster Design Agency, Terminal Island, California for the Long Beach Naval Shipyard in Longbeach, California, 1953 February 4, Diazotype.

Charts, Tables and Diagrams for T2 –SE – AD Tanker, Undated

Damage Control Diagrams Prepared by Norfolk Naval Shipyard for the Bureau of Ships, 1955 July

Booklet of General Plans for the USNS MISSION SAN LUIS OBISPO, Department of the Navy, Military Sea Transportation Service, Technical Section, 1954

Capacity Plan from the S.S. JULESBURG, 1954 May 12

“Old Ironsides: The Glorious Career of the U.S.S. Constitution,” by Dorothy E. Richard. *Note: The J. Porter Shaw library owns a circulating copy of this book, which should be used by researchers.*

Engineers Signal & Alarm Panel, Drawing No. A-237 Revision #2, Built for U.S. Maritime Commission by Paragon Electric Co., 1943

Diagrams of B.U. Ships No. LST 1122-S0103-1213719, Undated. *Condition: poor, these items can be used and reproduced only at the discretion of archival staff.*

LSD 16 Damage Control Diagram, 2 Subdivision Main Deck and Below, Prepared by Long Beach Naval Shipyard for Bureau of Ships, 1959, 1968, 1975

Surveyor: Quarterly Publication of the American Bureau of Shipping, 1973 February

Dimensions of International Code Flags and Pennants, 1933

Specification of Lumber for Rock Barge, Undated. *Condition note: This item is torn at the folds, and can only be reproduced at eth discretion of archival staff.*

News Clipping, “Romance of Hardwood,” 1926

Piece of paper that says “McNairn’s Interviews,” Undated

Photocopies of [Excerpts from] a Conversation with Fred Klebingat, 1965

Notes for Preparation of Inclining Experiments, Norfolk Navy Yard, and a Memo Regarding that data for the USS CHLORIS, 1955. *Condition note: needs foldering.*

“Sixty Years at Sea,” by Captain John K. Bray, Undated (2 copies)

Correspondence from Moulton H. Farnham of Boating magazine to Karl Kortum Regarding an issue featuring the BALCLUTHA and the San Francisco Maritime Museum, 1971

Outboard Profile, Bureau Ships Hull No. ARVE(E)3, undated.

News Clipping of the “Maritime Day ‘Queens’” at Maritime Museum, undated (this needs to be photocopied)

Sketch of an elevator (with a note) from Hendry & Blue, Mechanical Engineers, 1907. *Condition note: this item is on tissue-thin paper, is very wrinkled, and cannot be handled or reproduced without permission of archives staff.*

BL-19868, “Vessel Spare Parts List ‘B,’ Contract No. NOrd L/I 5557, [marked confidential], Radar Equipment (Bell telephone Laboratories), Undated

News Clipping of articles about Captains Charles Porta and R.M. Olsen and the vessels the MOKIHANA and the HENRY KNOX)

Pamphlet about Whaling by Conlan Creative Lithographers, 1968

Provenance and Acquisition

This collection was transferred from Golden Gate National Recreational Area to San Francisco Maritime National Historical Park in 1988. According to Park records, this accession was a gift, received March 1, 1985.

Language

English

Preferred citation

VC2-S-AP3 Cargo Ship reference plans. San Francisco Maritime National Historical Park.

Related collections

The San Francisco Maritime National Historic Park has numerous collections related to Victory ships. A few of these are listed below, but researchers will find more if they search the Park’s web catalog.

NAVAJO VICTORY Logbooks, 1967-1968. San Francisco Maritime National Historical Park. (SAFR 18647, HDC 0566).

AP2 and AP3 plans, engineering specifications and outfitting drawings, Circa 1944. San Francisco Maritime National Historical Park.(SAFR-1, HDC 1306).

Lidgerwood Manufacturing Company instructions booklet, 1944, for Victory ship electro-hydraulic steering gear. San Francisco Maritime National Historical Park. (SAFR 7839, HDC 0673).

SS FORDHAM VICTORY test records, 1945. San Francisco Maritime National Historical Park. (SAFR 7840, HDC 0674).

U.S. Maritime Service Training School papers, 1944-1981. San Francisco Maritime National Historical Park. (SAFR 8136, HDC 0730).

John Kinney-Ed Parker papers, 1943-1944. San Francisco Maritime National Historical Park. (SAFR 14672, HDC 1095). Papers related to fitting Liberty and Victory ships at Kaiser Shipyard #2.

Dolores H. Burns photo collection, 1943-1945. San Francisco Maritime National Historical Park. (SAFR 17652, PHOCOLL P88-011). Group portrait at Kaiser Shipyard #2

Reference Terms

Shipbuilding industry--Military aspects--United States (LOOC)

United States. Maritime Commission. (LOOC)

United States. Navy.(LOOC)

Victory ships (LOOC)

World War, 1939-1945--Naval Operations--American (LOOC)

Index terms

Architectural drawings--Marine (TGM/LOOC)

Blueprints (TGM)

Diazotypes (TGM)

Naval architecture drawings (TGM/LOOC)

Condition

Poor to Good. The blueprints and diazos are folded, and there is some wear along the folds. Some drawings have been taped where they have torn on folds. There is some wear around the edges; some prints are fading and many have holes. There is also some water staining and discoloration. See the Container Lists for Boxes 8 and 9 for more details regarding condition and preservation issues for particular items.

Cataloguer

Marjorie Bryer, Archives Specialist, San Francisco Maritime National Historical Park, August 2007.