

INCH-POUND

MIL-C-20534B

25 June 1989

SUPERSEDING

MIL-C-0020534A (BUMED)

29 June 1962

MILITARY SPECIFICATION

COMMODE

This specification is approved for use by all Departments and Agencies of the Department of Defense.

1. SCOPE

1.1 This specification covers one type of commode, suitable for use in the field.

2. APPLICABLE DOCUMENTS

2.1 Government documents.

2.1.1 Specifications, standards, and handbooks. The following specifications, standards, and handbooks form a part of this document to the extent specified herein. Unless otherwise specified, the issues of these documents shall be those listed in the issue of the Department of Defense Index of Specifications and Standards (DODISS) and supplement thereto, cited in the solicitation (see 6.2).

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: Headquarters, Defense Personnel Support Center, ATTN: Directorate of Medical Materiel DPSC-RST, 2800 South 20th Street, Philadelphia, PA 19101, by using the self-addressed Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

AMSC/NA

FSC 4510

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MIL-C-20534B

SPECIFICATIONS

Federal

RR-P-35	Pails, Utility Metal (Zinc-Coated)
TT-E-527	Enamel, Alkyd, Lusterless
PPP-B-566	Box, Folding, Paperboard
PPP-B-585	Boxes, Wood, Wirebound
PPP-B-601	Boxes, Wood, Cleated-Plywood
PPP-B-621	Boxes, Wood, Nailed and Lock-Corner
PPP-B-636	Box, Shipping, Fiberboard
PPP-B-676	Boxes, Setup

Military

MIL-L-10547	Liners, Case, and Sheet, Overwrap; Water-Vaporproof or Waterproof, Flexible
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STANDARDS

Federal

FED-STD-595	Colors
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Military

MIL-STD-105	Sampling Procedures and Tables for Inspection by Attributes
MIL-STD-129	Marking for Shipment and Storage
MIL-STD-794	Part and Equipment, Procedures for Packaging and Packing of

(Unless otherwise indicated, copies of federal and military specifications, standards, and handbooks are available from the Naval Publications and Forms Center, (ATTN: NPODS), 5801 Tabor Avenue, Philadelphia, PA 19120-5099).

2.1.2 Other Government documents, drawings, and publications.
The following other Government documents, drawings, and publications form a part of this specification to the extent specified herein. Unless otherwise specified, the issues are those cited in the solicitation.

MIL-C-20534B

2.2 Non-Government publications. The following documents form a part of this document to the extent specified herein. Unless otherwise specified, the issues of the documents which are DOD adopted are those listed in the issue of the DODISS cited in the solicitation. Unless otherwise specified, the issues of documents not listed in the DODISS are the issues of the documents cited in the solicitation (see 6.2).

American Society for Testing and Materials

ASTM D83, Standard Specification for
Red Lead

(Application for copies should be addressed to the American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103).

(Nongovernment standards and other publications are normally available from the organizations that prepare or distribute the documents. These documents also may be available in or through libraries or other informational services.)

2.3 Order of precedence. In the event of a conflict between the text of this document and the references cited herein, (except for related associated detail specifications, specification sheets, or MS standards) the text of this document shall take precedence. Nothing in this document, however, supersedes applicable laws and regulations unless a specific exemption has been obtained.

3. REQUIREMENTS

3.1 Material.

3.1.1 Metal. All metal parts shall be steel, zinc-coated (galvanized), with not less than 2 ounces per square foot on both sides. In lieu of zinc coated (galvanized) steel, the seat section may be made of stainless steel, Type 304.

3.1.2 Gasket. Gasket shall be made of neoprene.

MIL-C-20534B

3.2 Construction. The commode shall consist of a bucket with a bail, a removable seat section, and a gasketed cover with a handhold. Design shall be as shown on figure 1.

3.2.1 Body. The body shall be in accordance with the applicable paragraphs for the body, type II, class B pail, of RR-P-35.

3.2.2 Bottom. The bottom shall be in accordance with the applicable paragraphs for the bottom, type II, class A or class B pail, of RR-P-35.

3.2.3 Bail. The bail shall be a 5/16-inch-diameter, medium-carbon-steel rod, bent into a semicircle of such size that when the bail is placed in the down position, it shall clear the top rim and rest against the side. The ends of the bail shall be formed into loops to engage the ears, the loops being of such size and shape as to permit the bail to move freely without binding or catching. Bail shall have a wooden handhold in its center, firmly attached.

3.2.4 Ears. Ears shall be one piece forgings or stamped split ears (butterfly type). Overall thickness of metal of forged ears shall be not less than 0.107 inch. Stamped split ears shall be made from metal not less than 0.0598 inches thick. Ears shall be attached to the outside of the pail at diametrically opposite points, and shall permit the loops of the bail to swing freely. The ears shall be located vertically so that the axis about which the bail swings shall be not less than 1 inch nor more than 1-3/4 inches below the top of the pail. Each ear shall be held securely in place by at least two rivets or four welds.

3.2.5 Seat section. The seat section shall be removable. The seat shall consist of a tapered section, circular in cross section, 3-1/4 plus or minus 1/8 inches high, with the diameter at the top 10 plus or minus 1/4 inches and at the bottom 11-1/4 plus or minus 1/4 inches. The top shall be provided with a circular opening 8 plus or minus 1/4 inches in diameter and a rim 1 inch wide which shall completely encircle the opening. The side wall, 1 inch from the bottom edge, shall be provided with a continuous shoulder, 3/4 inch wide. The shoulder shall not have a beaded edge and shall act as a stop and support when the seat section is inserted into the top of the bucket. The walls from the top edge to the shoulder support shall be well tapered to accept the gasketed cover. The seat shall be fabricated of zinc coated (galvanized) steel or stainless steel, type 304.

MIL-C-20534B

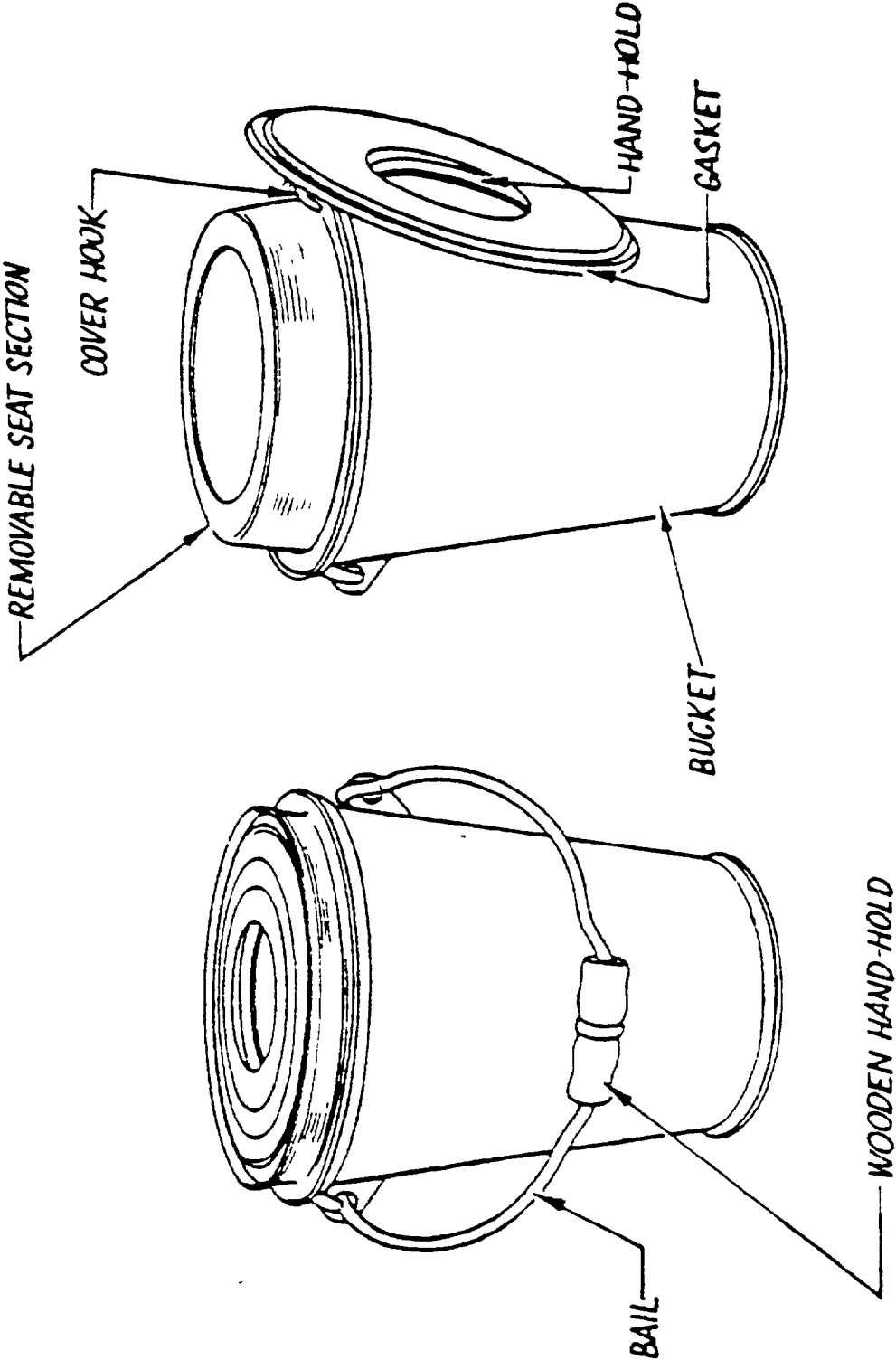


FIGURE 1. Commode

MIL-C-20534B

3.2.6 Cover. The cover shall be provided with a handhold in the center of the top. The cover shall consist of an outer shell and an inner shell symmetrically shaped and riveted together. Along the exposed edge and held tightly by the two shells there shall be a gasket, bent over a continuous strip of 1/16-inch-thick galvanized iron, which shall act as a core. The gasket thus formed shall project 3/8 inch from the two shells which hold it. The gasket shall have an overall thickness of 5/64 inch. The cover shall have a tight friction fit. A suitably shaped hook shall be provided inside the wall of the cover for hanging the cover to the side of the bucket.

3.3 Finish. All external surfaces of the bucket and cover shall be coated with enamel conforming to TT-E-527, and to color X34087 (see 6.2) of Federal Standard No. 595. The bottom of the cover shall be painted with red lead conforming to ASTM D83. The bottom shall then be finished with enamel, color X34087 of TT-E-527.

3.4 Labeling. The following legend shall be stenciled, using a waterproof paint, in black block letters 1/2 inch high on the external surface of the cover:

WHEN NOT IN USE HANG
COVER AT SIDE

3.5 Identification marking. Each bucket shall have stenciled on its side wall, in a black waterproof paint, the letters "U.S." 1 inch in height. In addition, the name or registered trademark of the manufacturer shall be stenciled on. Markings secured by adhesives shall not be used.

3.6 Workmanship. The commodes shall be free from defects which detract from their appearance or which may impair their serviceability.

4. QUALITY ASSURANCE PROVISIONS

4.1 Responsibility for inspection. Unless otherwise specified in the contract or purchase order, the contractor is responsible for the performance of all inspection requirements (examinations and tests) as specified herein. Except as otherwise specified in the contract or purchase order, the contractor may use his own or any facilities suitable for the performance of the inspection requirements specified herein, unless disapproved by the Government. The Government reserves the right to perform any of the inspections set forth in this specification where such inspections are deemed necessary to ensure supplies and services conform to prescribed requirements.

MIL-C-20534B

4.1.1 Responsibility for compliance. All items shall meet all requirements of sections 3 and 5. The inspection set forth in this specification shall become a part of the contractor's overall inspection system or quality program. The absence of any inspection requirements in the specification shall not relieve the contractor of the responsibility of ensuring that all products or supplies submitted to the Government for acceptance comply with all requirements of the contract. Sampling inspection, as part of manufacturing operations, is an acceptable practice to ascertain conformance to requirements, however, this does not authorize submission of known defective material, either indicated or actual, nor does it commit the Government to accept defective material.

4.2 Supplier responsibilities for inspection. The supplier is responsible for the performance of all inspection, requirements as specified herein. Except as otherwise specified, the supplier may utilize his own or any other inspection facilities and services acceptable to the Government. Inspection records of the examination and tests shall be kept complete and available to the Government as specified in the contract or order. The Government reserves the right to perform any of the inspections set forth in the specification where such inspections are deemed necessary to assure supplies and services conform to prescribed requirements.

4.2.1 Inspection. Inspection, as used in this specification, is defined as both examination (such as visual, auditory, etc., investigation without the use of special laboratory appliances or procedures) and testing (determination by technical means of physical and chemical properties) of the item.

4.2.2 Certificates of quality. When available, certificates of quality, supplied by the manufacturer of the component or material, listing the specified test method and test results obtained, may be furnished in lieu of actual performance of such testing by the contractor.

4.3 Sampling.

4.3.1 For examination. Sampling for examination shall be conducted in accordance with Standard MIL-STD-105. Inspection level for dimensional examination shall be S-3 with an AQL of 2.5 defects per hundred units.

4.3.2 For tests. Sampling for tests shall be conducted in accordance with Standard MIL-STD-105.

MIL-C-20534B

4.4 Examination. The commodes shall be examined to determine compliance with all requirements contained in this specification.

4.4.1 Dimensional examination. The commodes shall be examined for defects in dimensions. Any dimension not within the tolerances specified herein shall be classified as a defect.

4.5 Tests. Tests shall be conducted, as necessary, to determine compliance with specification requirements.

4.6 Inspection of packaging. The sampling and inspection of the packing and marking for shipment and storage shall be in accordance with the quality assurance provisions of the applicable container specification and the marking requirements of MIL-STD-129.

5. PACKAGING

5.1 Preservation. Preservation shall be level A or C, as specified (see 6.1).

5.1.1 Level A.

5.1.1.1 Unit package. Each commode shall be clean, dry, and wrapped in kraft paper or other suitable material. Each wrapped commode shall be further packaged in a box conforming to PPP-B-566, PPP-B-636, class domestic or PPP-B-676. Closure shall be as specified in the applicable box specification.

5.1.2 Level C.

5.1.2.1 Unit package. Preservation for the commode shall conform to the requirements of MIL-STD-794 for level C.

5.2 Packing. Packing shall be level A, B or C, as specified (see 6.1).

5.2.1 Level A. Four individual packaged commodes shall be packed in an exterior container designed for a type 2 load and conforming to PPP-B-601, overseas type, PPP-B-621, class 2, or PPP-B-636, class weather-resistant. Closure and strapping shall be as specified in the applicable box specification.

MIL-C-20534B

5.2.1.1 Case liner. Each level A wood box shall be lined with a waterproof case liner conforming to MIL-L-10547. Closure and sealing shall be as specified in the liner specification. Case liner shall not be required for fiberboard boxes. Each fiberboard box shall be waterproofed as specified in PPP-B-636.

5.2.2 Level B. Four individual packaged commodes shall be packed in an exterior container designed for a type 2 load and conforming to PPP-B-601, domestic type, PPP-B-621, class 1, or PPP-B-636, class domestic. Closure shall be as specified in the applicable box specification.

5.2.3 Level C. The level C packaging for the commode shall be packed in accordance with the requirements of MIL-STD-794 for level C.

5.2.4 Packing variation permitted. If the required number of units to be shipped is less than the number of units specified to be overpacked in an exterior container, such units shall be packed in an exterior container of suitable size and design, acceptable to a common carrier, which will insure safe delivery to destination.

5.2.5 Unitized loads. Unitized loads, commensurate with the level of packing specified in the contract or order, shall be used whenever total quantities for shipment to one destination exceed 250 pounds or 20 cubic feet. Loads shall be unitized on pallets conforming to MIL-STD-147. Quantities less than 20 cubic feet need not be unitized. Pallet loads including the pallet shall not exceed 43 inches in length, 52 inches in width, and 54 inches in height. Pallet shall conform to Type IV or Type V.

5.2.5.1 Levels A and B. The commode packed as specified in 5.2.1 and 5.2.2 shall be unitized on pallets as specified in 5.2.5.

5.2.5.2 Level C. The commode packed as specified in 5.2.3 shall be unitized as specified in MIL-STD-794.

5.3 Marking.

5.3.1 Levels A, B and C. Each unit pack, intermediate package, exterior container and unitized load shall be marked as specified in MIL-STD-129.

MIL-C-20534B

5.4 General.

5.4.1 Exterior container. Exterior container (see 5.2.1, 5.2.2, and 5.2.3) shall be of minimum tare and cube consistent with the protection required and shall contain equal quantities of identical stock numbered items to the greatest extent practicable.

5.4.2 Packaging inspection. The inspection of these packaging requirements shall be in accordance with 4.5.

6. NOTES

(This section contains information of a general or explanatory nature that may be helpful, but is not mandatory.)

6.1 Intended use. The commode is intended for use in the field.

6.2 Acquisition requirements.

- a. Title, number, and date of the specification.
- b. Issue of DODISS to be cited in the solicitation and if required, the specific issue of individual documents referenced (see 2.1 and 2.2).
- c. Selection of applicable levels of packaging (see 5.1 and 5.2).

6.3 Availability of color standards. The color standards referenced in 3.3 are available from:

Commanding General
Aberdeen Proving Ground, Maryland
Attn: Coating and Chemical Laboratory

6.4 This specification does not include all types, classes, grades, sizes, etc., of the commodity indicated by the title of this specification, or which are commercially available, but is intended to cover the types, etc., which are normally procured to meet military requirements.

MIL-C-20534B

6.5 This specification covers the following item listed in the Federal Supply Catalog:

National Stock Number	Item Identification
4510-00-775-6000	Commode, Field

6.6 Subject term (key word) listing.

Chamber pot
Toilet
Waste pot
Pail

Custodians:

Army - MD
Navy - MS
Air Force - 03

Preparing activity:

DOD - MB

Review activities:

DLA-DM

Agent:

DLA-DM

User activities:

Army - TS
Navy - MC

Project No. 4510-0225

Location:
MILSP/COMMODE/H1A-34