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TECHNICAL REPORT
TR 76-34-CEMEL

PROTECTIVE CLOTHING AND LIFE SUPPORT EQUIPMENT APPLICABLE TO A DESERT ENVIRONMENT

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June 1976

UNITED STATES ARMY
NATICK RESEARCH and DEVELOPMENT COMMAND
NATICK, MASSACHUSETTS 01760



Clothing, Equipment & Materials Engineering Laboratory
CEMEL-156

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20. ABSTRACT *(Continue on reverse side if necessary and identify by block number)*

The Clothing and Life Support items listed in this report are the only items presently available that are applicable for use in a desert environment. The current Common Table of Allowance (CTA) 50-900, Clothing and Individual Equipment does not currently authorize the use of all these items in the desert environment.

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20. Abstract (Continued)

This report highlights a need for the following: (1) Items applicable to a desert environment of high heat, sand and extreme daily temperature range from warm to cold. (2) Items to suit the requirements of women because of expanded MOS assignments. (3) Utilization of many new materials and fabrics developed in recent years. (4) Re-evaluation of items developed and tested 10-20 years ago. (5) Expansion of Basis of Issue for those items applicable but not authorized for desert environment.

PREFACE

During the period 1963-1968, many new items of clothing and equipment entered the Army system to meet the needs of the soldiers in Southeast Asia. As a result of the urgency of the situation, many of these items were fielded without the benefit of extensive testing, and although there were shortcomings in some of the items, others became highly popular and are still in wide use today.

Another aspect of this is that many of the items introduced for use in Southeast Asia may not be suitable for environments other than hot-wet. Today our attentions are focused on other parts of the world, some of which are characterized by the hot-wet environments similar to Southeast Asia, while still others are typical of hot-dry environments found in the desert areas of the Middle East.

Our own experience in these areas, coupled with lessons learned from other nations which have had to conduct military operations under such conditions, has shown that there is considerable room for improvement in clothing and equipment items for these environments. Two other factors provided stimulus for the preparation of this report. One was the rapid technological changes occuring in industry. These changes are reducing our ability to depend on previous manufacturing technologies as pointed out in an earlier study performed at this Command*. The second is the introduction of many new materials and fabrics in recent years which could be utilized to greater advantage by the Army.

The final factor that prompted this report is the expansion of the MOS assignments for women in our Army. In many areas we have already come to realize the need for new clothing and equipment items to suit the requirements of the women.

The foregoing indicates that it is time for us to take stock of our inventory and determine areas in which opportunities exist to achieve further improvements in clothing and equipment items for the soldiers. We believe that today they are the best equipped in the world, but critical assessment will assure that this will also be the case in the future.

JOHN V. E. HANSEN
DIRECTOR, CLEMEL

* Kennedy, S. J., "The Changing Capability of the Textile Industry to Support National Defense," USANLABS Technical Report 73-50-CE, April 1973.

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PROTECTIVE CLOTHING AND LIFE SUPPORT EQUIPMENT APPLICABLE TO A DESERT ENVIRONMENT

INTRODUCTION

The Clothing and Life Support items listed in this report are the only items presently available that are applicable for use in a desert environment. The current Common Table of Allowance (CTA) 50-900, Clothing and Individual Equipment does not currently authorize the use of all these items in the desert environment.

This report highlights a need for the following:

1. Items applicable to a desert environment of high heat, sand and extreme daily temperature range from warm to cold.

2. Items to suit the requirements of women because of expanded MOS assignments.

3. Utilization of many new materials and fabrics developed in recent years.

4. Re-evaluation of items developed and tested 10-20 years ago.

5. Expansion of Basis of Issue for those items applicable but not authorized for desert environment.

SECTION I

STANDARD COMMON TABLE OF ALLOWANCE ITEMS



Aircrewman/Armored Vehicle Crewman Uniform

ITEM: Aircrewman/Armored Vehicle Crewman Uniform

DESCRIPTION: The shirt is single breasted with a slide fastener closure, a collar provided with nylon tape closure, and welted diagonal breast pockets with slide fasteners. The left sleeve is provided with a cigarette pocket with slide fastener and flap closure and a concealed pocket inside the cigarette pocket. The sleeves are provided with cuffs with nylon tape fasteners. The bottom is shirt-tail style.

The trousers have front hanging pockets and hip patch pockets with flaps, thigh pockets, a hanging knife pocket, an inner pocket for the survival panel (separate item of issue) and shin pockets.

INTENDED USE: The Uniform is intended for use as part of the aviation and armored vehicle crewmen's clothing.

NSN: Shirt: 8415-00-935-4891 Trousers: 8415-00-935-4878

LIN: Shirt: T03002 Trousers: X35980

SPECIFICATION: Shirt: MIL-S-43686(GL) Trousers: MIL-T-43688(GL)

TYPE CLASSIFICATION DATA: AMCTC 3-68 LP (Confidential); AMCTC 1-69 LP to Standard.

TESTING DATA: ACTIV Test Report No. 6576 and use experience in SEA. No further tests were required. (ENSURE 174)

REMARKS:



Bag, Flyers Helmet

ITEM: Bag, Flyer's Helmet

DESCRIPTION: The bag consists of an outside fabric made of nylon, water repellent material, and an inside liner consisting of quilted polyester batting material. The bag has two inside pockets, one at each end of the bag and two outside pockets on the front of the bag. It has matching grip handles on the front and back, with a slide fastener for closing the bag, and nylon tape fastener and snap fasteners for closing the outside pockets.

INTENDED USE: The bag is intended for use by aviation/armored vehicle crewmen personnel and is designed to hold the flyers/armored vehicle crewmen helmet and anciliary equipment.

NSN: 8415-00-782-2989

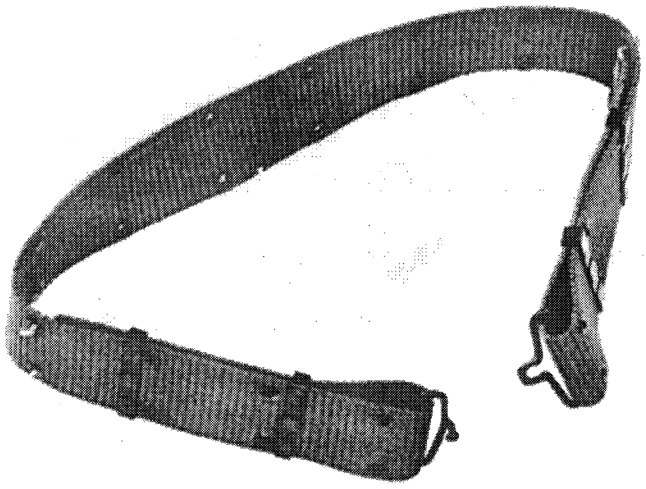
LIN: B14797

SPECIFICATION: MIL-B-43290(GL)

TYPE CLASSIFICATION DATA: AMCTC 7-65

TESTING DATA: Product Improvement Test, USATECOM Project No. 4-4-4335-01, 14 September 1964.

REMARKS:



Belt, Individual Equipment

ITEM: Belt Individual Equipment

DESCRIPTION: The belt is made of nylon webbing, Olive Drab Army Shade 7, with belt fastener and adjusting clinch buckle, 2 1/4 (5.71 cm) inch wide. The item comes in two sizes, medium and large.

INTENDED USE: The belt is worn by military personnel to carry various items of individual equipment, such as the water canteen, intrenching tool and ammunition cases which are suspended on the belt by keepers or are hooked through eyelets along the bottom of the belt. The eyelets along the top of the belt are for attaching the suspenders.

NSN: Large: 8465-00-001-6487 Medium: 8465-00-001-6488

LIN: B59567

SPECIFICATION: MIL-B-43826

TYPE CLASSIFICATION DATA: Approved 17 January 1973 (TROSCOM)

TESTING DATA: Items were tested (EST) by USA Tropic Test Center, Project No. 8-EI-515-LIN-003, and USA Arctic Test Center, Project No. 8-EI-515-LIN-001. USAATC completed testing in May 1972 and USATTC in June 1972.

REMARKS:



Body Armor
(Conventional Munitions/Improved Conventional Munitions)

ITEM: Body Armor, Conventional Munitions/Improved Conventional Munitions

DESCRIPTION: The vest has a 3/4 (1.90 cm) inch collar and is fabricated from a surface resistant treated 14 oz. nylon. Twelve plies of nylon are utilized in a composite form to serve as a filler and also as the inner and outer shell component of the vest. The outer shell has a camouflage print. It has a front closure of nylon loop and pile velcro tape, two grenade hangers and two utility pockets.

INTENDED USE: Intended for use as a protective garment against conventional and improved conventional munitions.

NSN: None assigned to date.

LIN: A92145

SPECIFICATION: LP/P DES 30-73A

TYPE CLASSIFICATION DATA: Approved 19 August 1974 (NDC)

TESTING DATA: Letter Report, STEBC-TE-F, USAIB, December 1973, subject: Feasibility Test of Body Armor, ICM Vest, USATECOM Project No. 8-EI-525-000-012. Letter, AMSTE-BC, USATECOM, 26 July 1974, subject: Customary Test Directive, Tech. Feasibility Test (Durability Phase), Ground Troops Body Armor, ICM Vest, USATECOM Project No. 8-EI-525-000-014.

REMARKS:



Boots, Combat, Leather Black, Direct Molded Sole

ITEM: Boots Combat Leather Black Direct Molded Sole

DESCRIPTION: The boots have a black leather upper, plain toe; nonmarking direct molded transverse chevron cleated rubber heel and sole; full laced and mildew resistant, 10 1/2 (26.67 cm) inch high.

INTENDED USE: For field use in intermediate and upper range of cold climatic conditions.

NSN: 8430-00-186-6826 Series

LIN: C06749

SPECIFICATION: MIL-B-43481C

TYPE CLASSIFICATION DATA: AMCTC 12-66

TESTING DATA: Final Report Check Test, USATECOM Project No. 8-4-6001-01, 28 September 1965.

REMARKS:

Canteen/Cover, Water, Collapsible, 2-Qt.

ITEM: Canteen/Cover, Water: Collapsible 2-Qt. (1.89 L)

DESCRIPTION: The canteen consists of a bladder, cover, and carrying strap. A pocket for water-purification tablets is provided on the front of the cover.

The cover is a nylon duck, water repellent treated material, Olive Green Army Shade 106, with an acrylic fiber lining. It has a latch-type-fastener closure and is attached to the belt with slide keepers, or to the shoulder with a detachable strap.

INTENDED USE: The canteen is intended for use in temperate and tropical environments for carrying drinking water. The cover serves as a protective carrier for the canteen (bladder).

NSN: Canteen: 8465-00-927-7487 Cover: 8465-00-927-7485

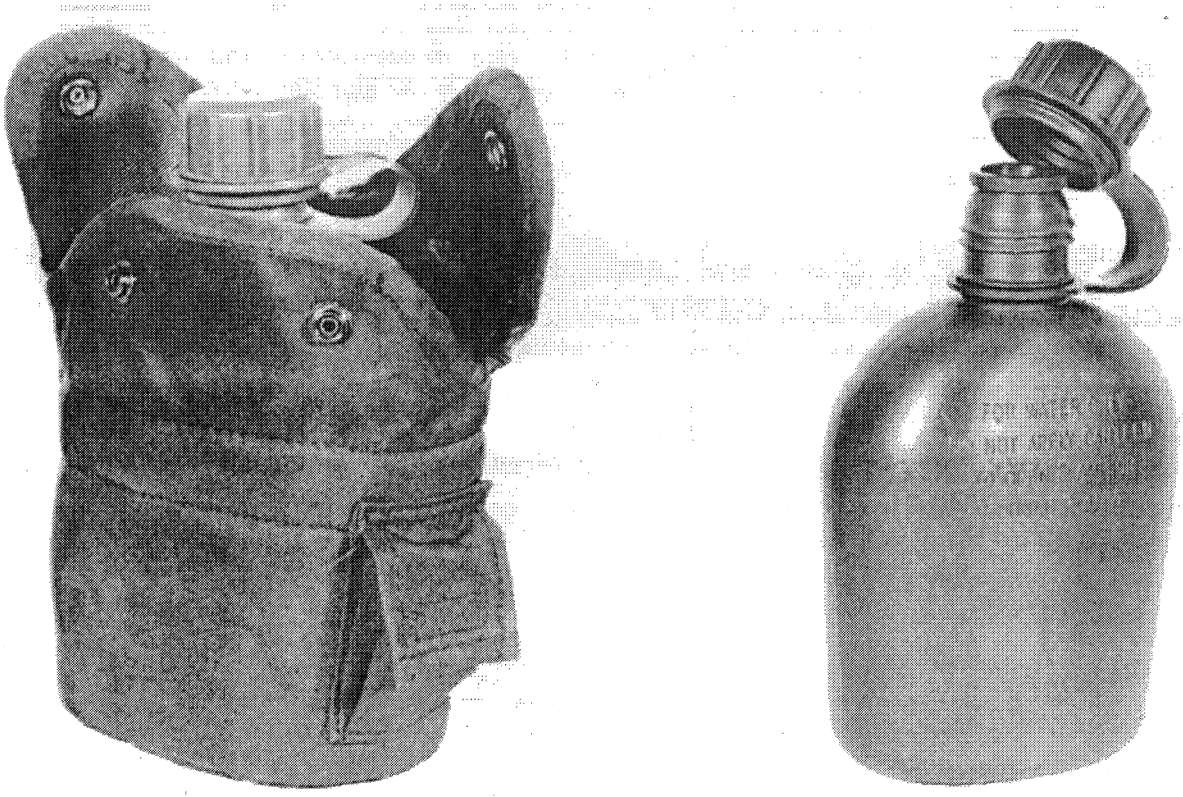
LIN: Canteen: C96399 Cover: F30117

SPECIFICATION: Canteen: MIL-C-43603 Cover: MIL-C-43689

TYPE CLASSIFICATION DATA: AMCTC 5-67 (LP); AMCTC 9-67 from LP to Standard

TESTING DATA: ATC Test, Letter Report of Product Improvement USATECOM Project No. 8-6-7640-01, 7 November 1966.

REMARKS:



Canteen and Cover, Water, Plastic, 1-Qt.

ITEM: Canteen/Cover Water Plastic, 1-Qt. (0.94 L)

DESCRIPTION: The canteen in kidney shaped, and consists of 3 parts; body, cap, and strap. All parts are made of plastic. The cover is made of nylon duck; Olive Green Army Shade 106; water repellent treated. It has an acrylic pile fabric lining with snap fastener closures and is attached to the belt with slide keepers. The cover has a small pocket attached for carrying water purification tablets.

INTENDED USE: The canteen is intended primarily for use in temperate and tropical environments by individual military personnel for carrying drinking water. The cover is intended for use with the Canteen, Water, Plastic, 1-Qt. (0.94 L) and Cup.

NSN: Canteen: 8465-00-889-3744 Cover: 8465-00-860-0256

LIN: Canteen: C96536 Cover: F30391

SPECIFICATION: Canteen: MIL-C-43103 Cover: MIL-C-43742

TYPE CLASSIFICATION DATA: Canteen: QMCTC 5-62 Cover: AMCTC 10-69
LP to Std AMCTC 8-70

TESTING DATA: Canteen: US Army Infantry Board Report, Project 2947, subject: Service Test of Canteen, Water X58A, Plastic (Canadian) 5 December 1961.

Cover: ACTIVE Final Report M-56 nylon lightweight Load Bearing Equipment (ENSURE 148) (ACL 69/57M). USARV Suitability Statement message 65148, subject: Special Procedures for Type Classification and Support of Items to meet urgent operational requirements.

REMARKS: The Cup, Water, Canteen, 1-Qt (0.94 L), which is intended for use with the Canteen, is shown on Page 37.



Cap, Insulating, Helmet Liner

ITEM: Cap, Insulating, Helmet Liner

DESCRIPTION: The cap is cotton warp and nylon filling oxford, water repellent treated, OG 107. It has ear, neck and forehead flaps, a crown lined with plain weave acrylic and a nylon pile tape fastener on overlap of the neck flap.

INTENDED USE: Intended for wear with or without a helmet, to provide environmental protection to the head, neck and sides of face.

NSN: 8415-00-782-2916

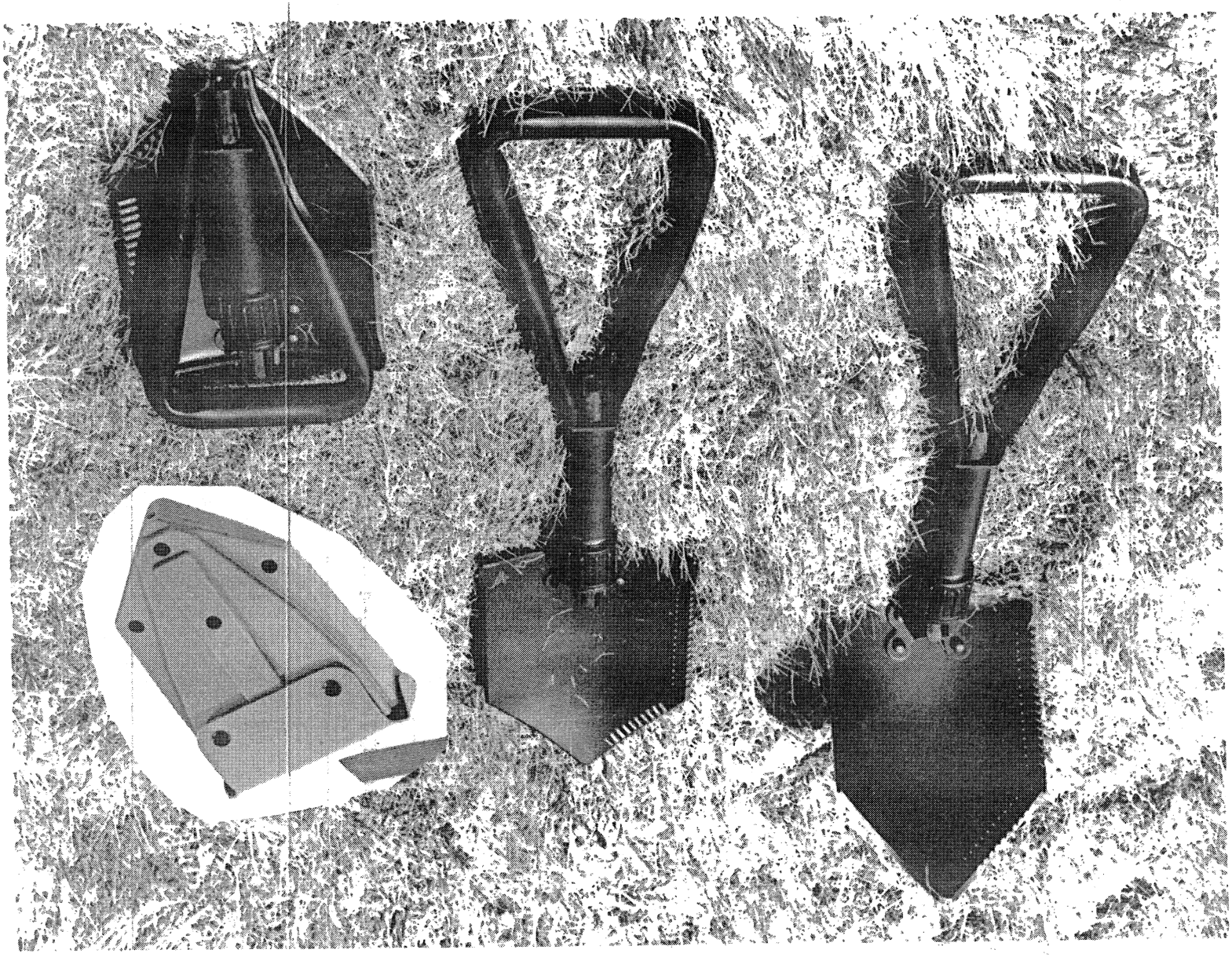
LIN: D01857

SPECIFICATION: MIL-C-43549

TYPE CLASSIFICATION DATA: AMCTC 4-65, AMCTC 7-66

TESTING DATA: Reports of Service Tests, USAIB Project No. 2969 and USAIB Project No. 3-212. Final Confirmatory Test (Type II) USATECOM (USAIB), dated 21 May 1964.

REMARKS: AMCTC 7-66 changed nomenclature from Cap, Cold Weather to present.



Carrier/Intrenching Tool

ITEM: Intrenching Tool/Carrier

DESCRIPTION: The intrenching tool is a folding type tool with a steel blade and aluminum "D" handle. One edge of the blade is serrated for clearing light brush; the other edge is sharpened for use in cutting small trees and roots. The item folds into a compact package approximately 7 inches wide (17.78 cm), 10 inches long (25.4 cm) and 2 inches thick (5.08 cm). The extended length is 23 1/2 inches (59.69 cm).

The carrier is made of plastic, OD color 3.4087.

INTENDED USE: The tool is intended for use in removing earth, severing roots, and clearing light brush.

The carrier is designed to store the Intrenching Tool, Hand, Folding, Lightweight in a folded position and permits attachment to the Belt, Individual.

NSN: Carrier: 8465-00-001-6474 Intrenching Tool: 5120-00-878-5932

LIN: Carrier: D11812 Intrenching Tool: L00210

SPECIFICATION: Carrier: MIL-C-43831 Intrenching Tool: MIL-I-43684

TYPE CLASSIFICATION DATA: Carrier: Approved 17 January 1973 (TROSCOM); Intrenching Tool: AMCTC 1-69.

TESTING DATA: Carrier: Same as Frame Pack with Straps; Intrenching Tool: ET/ST, USATECOM Final Report, Project No. 8-6-6400-05/06/07/08, 17 March 1969.

REMARKS:



Case, Field First Aid Dressing - Unmounted Magnetic Compass

ITEM: Case Field First Aid Dressing - Unmounted Magnetic Compass

DESCRIPTION: The case is made of nylon, Olive Green Army Shade 106, and is water resistant. It has a snap fastener closure and is attached to the belt by an interlocking slide keeper.

INTENDED USE: The case is used to carry a camouflage first aid dressing and a package of sodium chloride-sodium bicarbonate mixture, or an unmounted magnetic compass.

NSN: 8465-00-935-6814

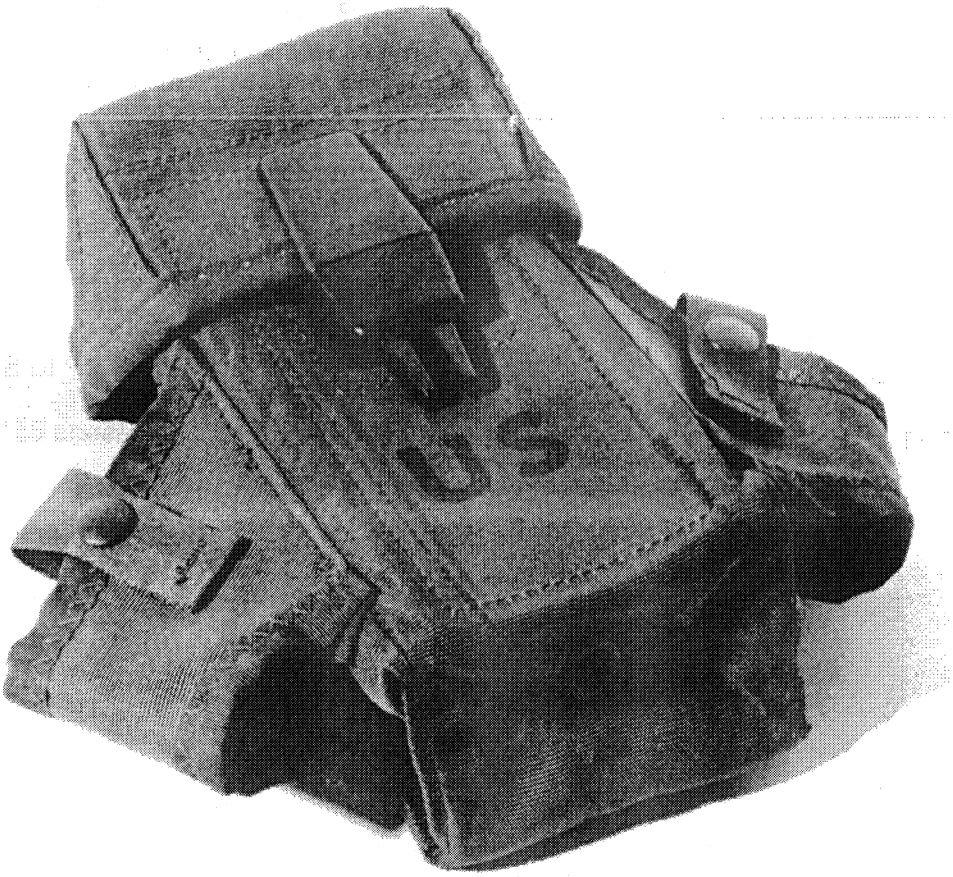
LIN: D64043

SPECIFICATION: MIL-C-43745

TYPE CLASSIFICATION DATA: AMCTC 10-69, (LP); AMCTC 8-70 from LP to Std.

TESTING DATA: ENSURE 148. USARV suitability statement, IFTO message 65148 from AVHGC-DST, dated 030123Z, June 1969.

REMARKS:



Case, Small Arms Ammo, 3-30 Round Magazines (M-16 Rifle)

ITEM: Case Small Arms Ammunition, 3-30 Round Magazines (M-16 Rifles)

DESCRIPTION: The case is fabricated of nylon duck and webbings with polyester sheet stiffeners in the front, rear and lid of the case. Each magazine is held in place by means of 3/4 inch wide (1.90 cm) webbing spacers which cross the top of the case. The lid is closed by means of a plastic latch. Grenade carrying pockets on each side of the case are secured by means of a nylon web strap and metal snap fastener. A tab with a metal eyelet to which the suspenders are attached is located at the top back of the case.

INTENDED USE: The case is designed to enable the soldier to carry 3-30 round ammunition magazines for M-16 rifles.

NSN: 8465-00-001-6482

LIN: D70550

SPECIFICATION: MIL-C-43827

TYPE CLASSIFICATION DATA: Approved 17 January 1973 (TROSCOM)

TESTING DATA: Items were tested (EST) by USA Tropic Test Center, Project No. 8-EI-515-LIN-003, and USA Arctic Test Center, Project No. 8-EI-515-LIN-001. USAATC completed testing on May 1972 and USATTC in June 1972.

REMARKS:



Clothing Outfit, Chemical Protective

ITEM: Clothing Outfit, Chemical Protective

DESCRIPTION: The clothing outfit consists of impregnated chemical protective cotton sateen liner, shirt and liner trousers; gloves; socks and a bag clothing.

INTENDED USE: To provide CB protection for the soldier.

NSN: 8415-00-782-3240

LIN: E40710

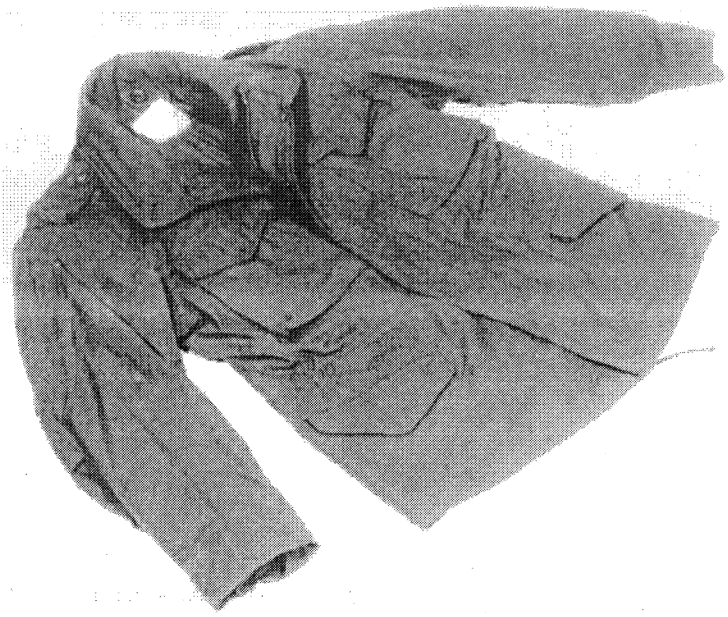
SPECIFICATION: MIL-L-43578, Trousers; MIL-L-43582, Shirt; MIL-B-43587 Bag.

TYPE CLASSIFICATION DATA: AMCTC 6-65

TESTING DATA: Final Report of Service Test of Interim CB Protective System, USATECOM Project No. 8-4-6230-05. Final Report of Engineer Test of Interim CB Protective Systems, USATECOM Project No. 8-4-6230, 22 March 1965.

REMARKS:

CLOTHING OUTFIT, CHEMICAL PROTECTIVE - The two-piece Outfit (consisting of XXCC3 treated liners; shirt and trousers, socks and gloves) will be issued to individual soldiers not issued the overgarment and to air crewmen. The chemical protective liners are worn under the outer layer of standard environmental clothing. Components of the clothing outfit must be re-treated after seven days continuous wear to maintain chemical protective characteristics.



Coat, Cold Weather (Field Jacket)

ITEM: Coat, Cold Weather (Field Jacket)

DESCRIPTION: The coat is a lined hip-length design, having a bi-swing back; convertible stand-up collar with adjustable tab closure, four buttonholes and horizontal slide fastener closure on undercollar (exit for hood); attached hood (concealed between body layers) with drawcord adjustments; two-piece set-in sleeves, adjustment tab cuff closure and hand shield extension; shoulder loops with button closure; slide fastener fly front closure with snap fasteners; two bellows type breast pockets and two lower inside hanging pockets with snap fastener flap closures; waist and hem drawcords; and inside buttons for attachment of insulating liner.

INTENDED USE: Item to be worn in cold dry and cold-wet areas.

NSN: 8415-00-782-2933

LIN: E43851

SPECIFICATION: MIL-C-43455

TYPE CLASSIFICATION DATA: AMCTC 4-65

TESTING DATA: Integrated Combat Uniform, T63-5, Cold Wet, Cold Dry, USATECOM Project No. 8-3-6210-06K, 27 April 1964. Test conductd at US Army Arctic Test Center, Ft. Greely, Alaska.

REMARKS:



Cold Weather Uniform, OG 108

ITEM: Cold Weather Uniform, OG 108

DESCRIPTION: The shirt is made of wool serge, color OG 109; it has a button closure, convertible collar, full length sleeves, one button plain cuff, and two patch pockets located on left and right breast with flap and button closure.

The trousers are made of wool serge, color OG 108; they have a slide fastener fly closure, 2 slit pockets on left and right sides, 1 slit pocket on right hip with button closures.

INTENDED USE: To be worn in cold-dry, cold-wet area. Components of the cold weather field uniform.

NSN: Shirt 8415-00-188-3791 Trousers: 8415-00-231-7199

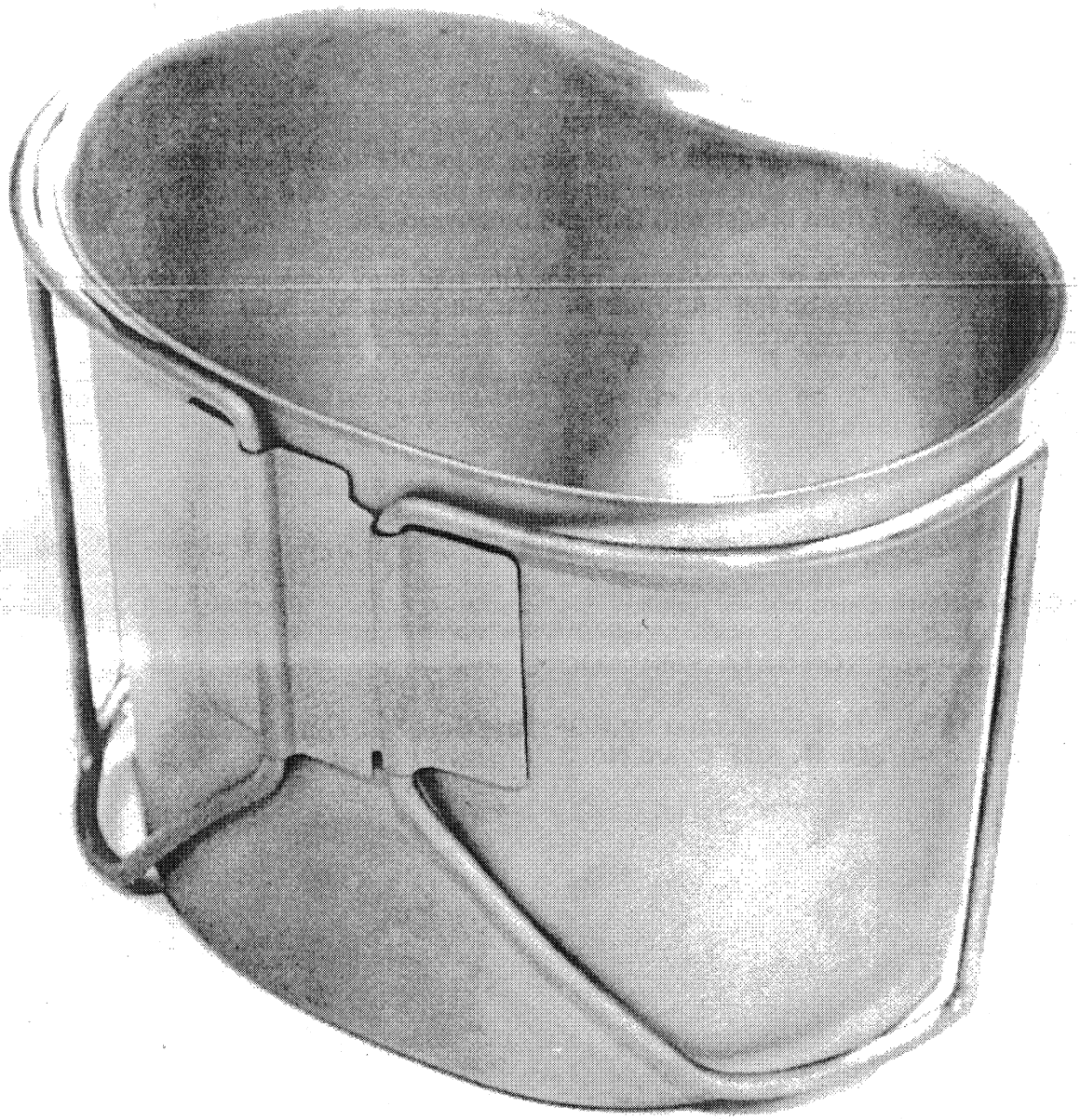
LIN: Shirt: T04205 Trousers: X37180

SPECIFICATION: Shirt: MIL-S-10858 Trousers: MIL-T-1870

TYPE CLASSIFICATION DATA: Shirt: AMCTC 18-50 Trousers: QMCTC 2-62

TESTING DATA: Test conducted by AGF Task Forces Williwain. Frigid and frost during winter of 1946-47, AGF Board No. 3.

REMARKS:



Cup, Water Canteen, 1-Qt.

ITEM: Cup, Water Canteen: 1-Qt. (0.94 l)

DESCRIPTION: The cup is made of corrosion-resisting steel and is 4-31/32 inch long (12.62 cm), 2-15/16 inch wide (7.46 cm), and 3-7/8 inch deep (9.84 cm). It has collapsible wire handles and a rounded lip.

INTENDED USE: Intended for use as field mess cups for consumption of hot and cold liquids, soups, and stews in the field.

NSN: 8465-00-165-6838

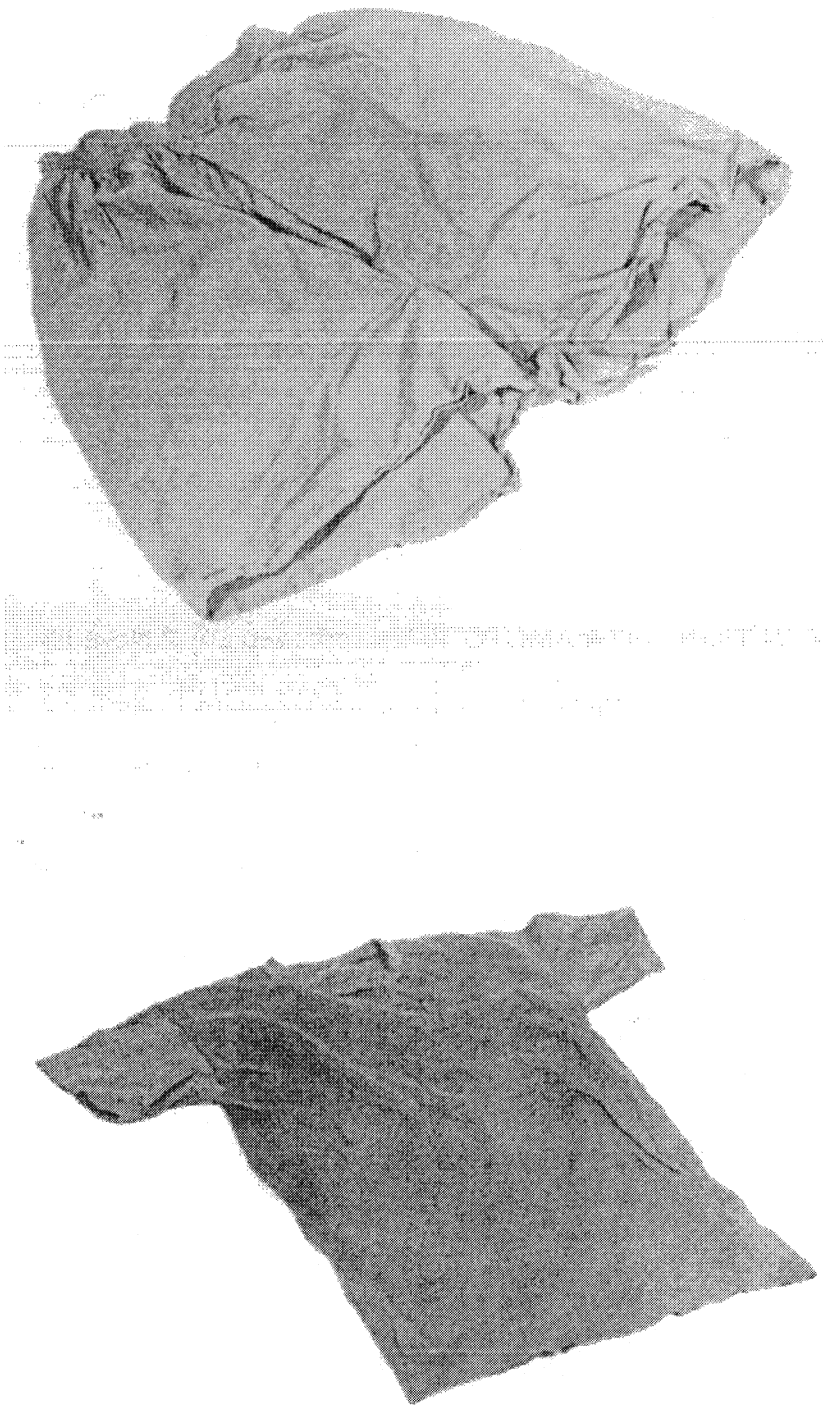
LIN: F54817

SPECIFICATION: MIL-C-43761

TYPE CLASSIFICATION DATA:AMCTC 1072, Approved DA 2 November 1971

TESTING DATA: Product Improvement Test, USATECOM Project No. 8-EI-515-00-013. Item tested by USAIB, Ft. Benning, GA, Mountain Ranger Camp, Dahlonega, GA, and the Florida Ranger Camp, Eglin AFB, 17 April 1971 through 15 June 1971.

REMARKS: The canteen/cover, water, plastic, 1-Qt. which is intended for use with the cup is shown on Page 21.



Drawers/Undershirt, Cotton, OG 109

ITEM: Drawers/Undershirt Cotton, OG 109

DESCRIPTION: The drawers are thigh length, boxer style with rectangular back panel, cut-on fly, and elastic waistband.

The undershirt has a quarter-length sleeve with pullover neck, OG Army Shade 109.

INTENDED USE: The items are intended for use as underwear in warm climates.

NSN: Drawers: 8420-00-164-4146 Series Undershirt: 8420-00-782-6707 Series

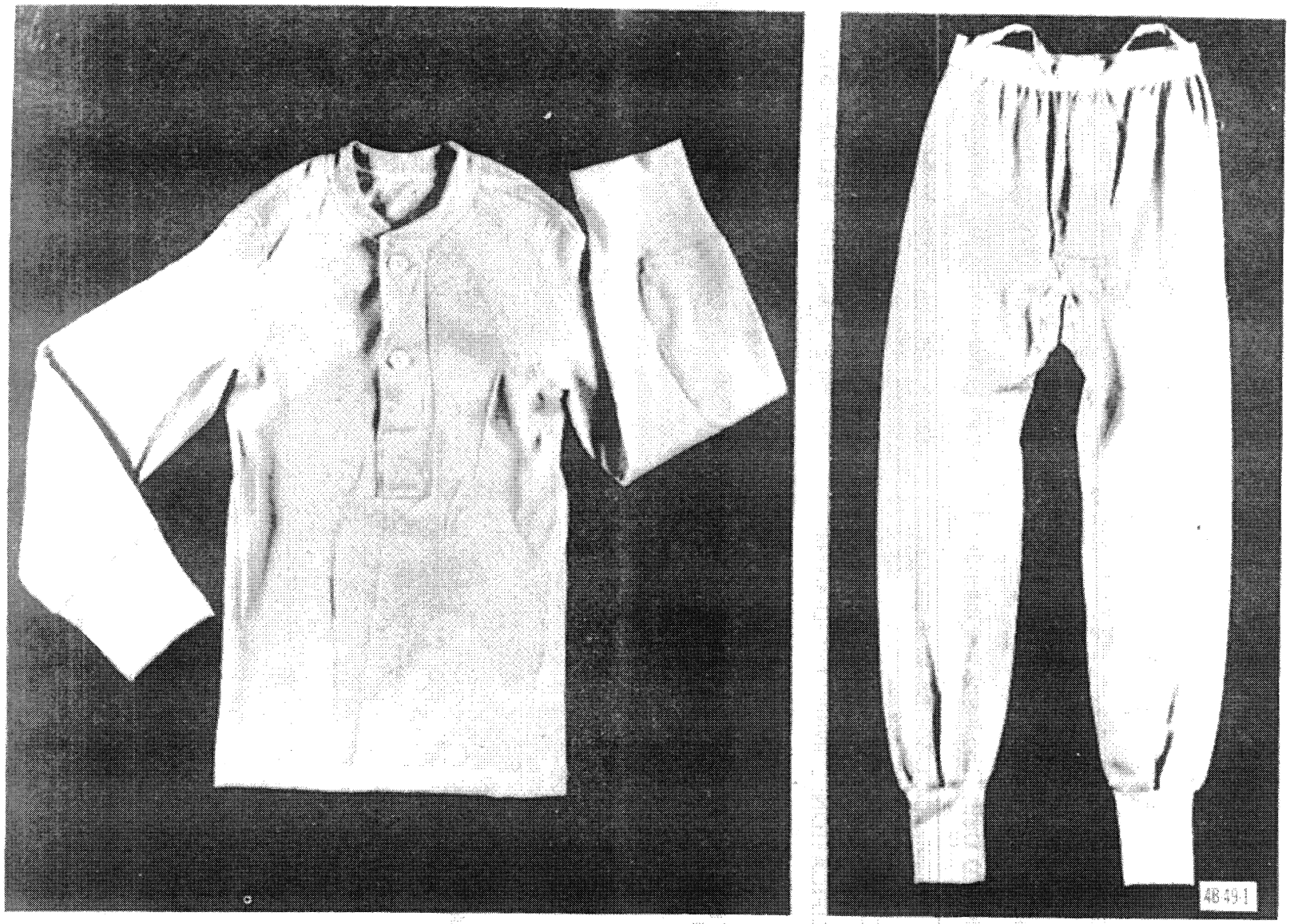
LIN: Drawers: G48802 Undershirt: X86565

SPECIFICATION: Drawers: MIL-D-40099 Undershirt: FED-JJ-U-513

TYPE CLASSIFICATION DATA: QMCTC 3-59

TESTING DATA: QMFEA Report 55059-F, March 1956

REMARKS:



Drawers/Undershirt, Cold Weather

ITEM: Drawers/Undershirt, Cold Weather

DESCRIPTION: The drawers are loose fitting, cotton/wool knitted, flat or ribbed knit, natural color, open fly front with all-around elastic waistband and knitted anklets.

The undershirt is cotton and wool flat or ribbed knit, natural color, pullover style, with knitted collarette and wristlets, and two button front closing.

INTENDED USE: The items are intended for use as underwear in cold climates.

NSN: Drawers: 8415-00-904-5119 Undershirt: 8415-00-904-5134

LIN: Drawers: G49350 Undershirt: X86839

SPECIFICATION: Drawers: MIL-D-43261 Undershirt: MIL-U-43262

TYPE CLASSIFICATION DATA: AMCTC 6-66

TESTING DATA: Final Report of Check Test of Integrated Combat Uniforms, T63-5, Cold-Wet, Cold-Dry, USATECOM Project No. 8-3-6210-06K, 27 April 1964, USAATC, Ft. Greely, Alaska.

REMARKS:



Field Pack, Combat (Medium/Large)

ITEM: Field Pack, Combat, Medium and Large

DESCRIPTION: The large field pack, consisting of a pouch with drawcord closure and three outer pockets, is designed to carry existence loads up to 70 pounds (31.8 kg), which include clothing, personal items and rations. Three smaller pockets are provided for carrying ammunition. Hangers are also provided for carrying individual equipment. The pouch has a separate pocket to accommodate th AN/PRC 25 or 77 radio. The field pack is carried on the soldiers back by attaching to Frame, Pack, Ground Troops. Four waterproof rucksack liner bags, in two sizes, are included with each field pack for use as pouch and pocket liners, or when inflated, for use as flotation bladders.

The medium field pack, consisting of a pouch with drawcord closure and three outside pockets, is designed to carry existence loads up to 50 pounds (22.7 kg), which include clothing, personal items and rations. Hangers are provided for carrying individual equipment and extra ammunition. The pouch has a separate pocket to accommodate the AN/PRC 25 or 77 radio. The field pack is carried on the soldier's back either by attaching to Frame, Pack, Ground Troops, or to the shoulder straps.

INTENDED USE: To permit the soldier to carry the existence loads (medium pack) and larger loads for extended operations (large pack).

NSN: Medium: 8465-00-001-6480 Large: 8465-00-001-6481

LIN: H39835

SPECIFICATION: Medium: MIL-F-43833 Large: MIL-F-43832

TYPE CLASSIFICATION DATA: Approved 17 January 1973 (TROSCOM)

TESTING DATA: Items were tested (EST) by USA Tropic Test Center, Project No. 8-EI-515-LIN-003, and USA Arctic Test Center, Project No. 8-EI-515-LIN-001. USAATC completed testing on May 1972 and USATTC in June 1972.

REMARKS:



Frame Pack, Ground Troops and Shelf Cargo

ITEM: Frame, Pack, Ground Troops and Shelf, Cargo Support

DESCRIPTION: The frame is one type and size and is made of aluminum tubing, riveted, black, Federal Shade 37038. The shelf is one of the same material and color and is 11-3/8 inch wide (28.89 cm), 3 inches deep (7.62 cm).

INTENDED USE: The frame is intended for use as a mount for the medium or large packs which are in turn used by personnel to carry items of clothing and equipment. The frame may be used without the packs and with or without the cargo support shelf for carrying the 5 gallon (18.9 litres) water can and rations.

NSN: Frame: 8465-00-001-6475 Shelf: 8465-00-001-6476

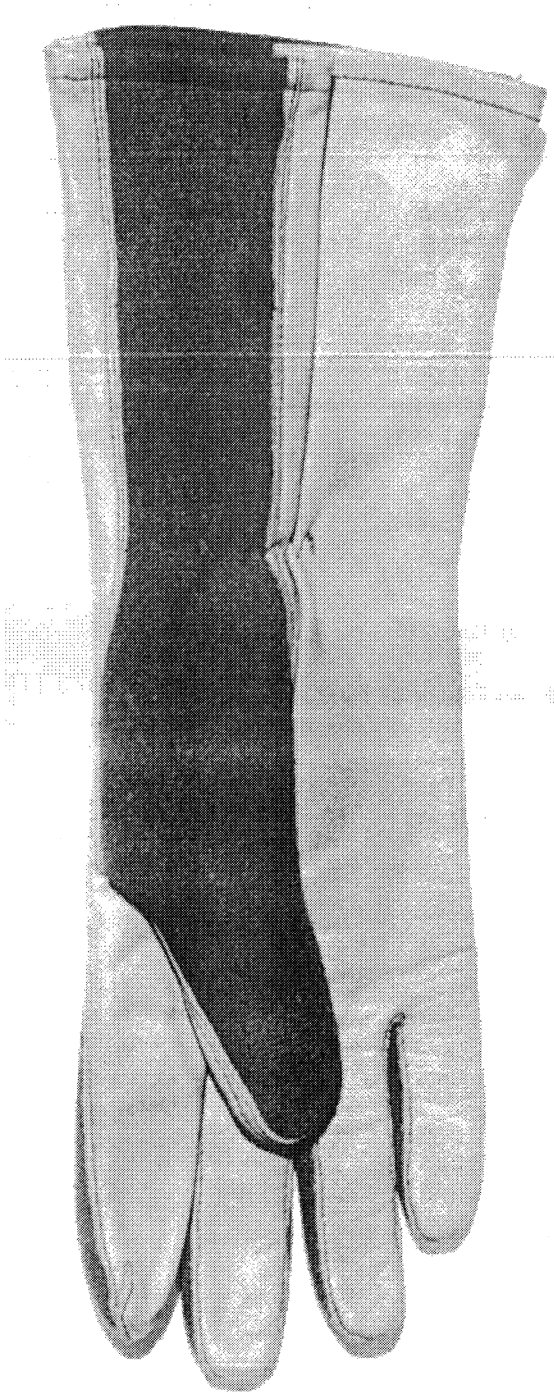
LIN: Frame: H90705 Shelf: S94991

SPECIFICATION: Frame with Shelf: MIL-F-43834

TYPE CLASSIFICATION DATA: Approved 17 January 1973 (TROSCOM)

TESTING DATA: Items were tested (EST) by USA Tropic Test Center, Project No. 8-EI-515-LIN-003, and USA Arctic Test Center, Project No. 8-EI-515-LIN-001. USAATC completed testing on May 1972 and USATTC in June 1972.

REMARKS:



Gloves, Flyers

ITEM: Gloves, Flyers

DESCRIPTION: The back of the glove and thumb, including the base of the thumb and a portion of the gauntlet, and the four finger seamless fourchette (between fingers) are fabricated from a high-temperature-resistant cloth; this polyamide material is simplex knitted and provides protection from fire. The palm, front of the gauntlet, thumb, and fingers of the glove are fabricated from one piece of leather. The gauntlet of the glove contains an elastic webbing takeup.

INTENDED USE: The gloves are intended to be worn by flying personnel in the warm temperate zones. The gloves are also intended to protect the back of the hands in the event of fire in the cockpit of the aircraft.

NSN: 8415-00-139-5408 Series

LIN: J67052

SPECIFICATION: MIL-G-81188 (AS)

TYPE CLASSIFICATION DATA: AMCTC II-72

TESTING DATA: Product Improvement 4-EI-485-AAC-004/005 and 006, 17 December 1969. USAAVNTBD, February through December 1969.

REMARKS:



Glove Inserts

ITEM: Glove Inserts

DESCRIPTION: The inserts are wool-nylon knit, Olive Green Shade 208, with knit cuffs and 5-finger sheaths.

INTENDED USE: To provide added warmth with the Glove Shells, Leather or with the Mitten Shells under cold-wet conditions.

NSN: 8415-00-682-6575

LIN: J62858

SPECIFICATION: MIL-G-835

TYPE CLASSIFICATION DATA: QMCTC 5-43

TESTING DATA: Initial test data unavailable. See Remarks.

REMARKS: Initial Issue Item - AR 700-84

Item was initially introduced into the system in May 1943 (QMCTC 5-43). Several modifications have since been made, the latests being the introduction of an automated method of knitting the glove insert to reduce cost by reduction in labor operations and increase in the base of supply.



Glove Shells, Leather, Black

ITEM: Glove Shells Leather, Black

DESCRIPTION: The glove shell is full inseamed, slip-on style, all leather. It is made of two pieces (separate front and back) in Gunn-cut style glove with a continuous inseamed modified thumb with a leather welt inserted in the seam. The seam at the base of the fingers has a reinforcement leather welt turned up to cover the stitching

INTENDED USE: The glove shells are intended for light work duty and mosquito protection as well as for dress purposes. They may be worn with or without the wool inserts under cold, wet conditions.

NSN: 8413-00-269-5700 Series

LIN: J63269

SPECIFICATION: MIL-C-822

TYPE CLASSIFICATION DATA: QMCTC 5-43 and QMCTC 3-55

TESTING DATA: Initial test data unavailable. See Remarks.

REMARKS: Initial Issue Item - AR 700-84

Item approved as Standard by 1st Indorsement, Hq, Services of Supply, 20 April 1943, subject: Standardization of Cold Climate, Clothing and Equipage.

QMCTC 5-43 recorded changes in material and construction to provide greater warmth and improve the characteristics of the item for combat and labor.

Item was initially introduced into the system in May 1943 (QMCTC 5-43). Several modifications have since been made, the latest in March 1955 (QMCTC 3-55). Testing data referenced is for the current item as presently in the system.



Goggles, Sun, Wind and Dust

ITEM: Goggles, Sun, Wind and Dust

DESCRIPTION: The goggles consist of a rubber-compound frame, two types of interchangeable, single-aperture lens, clear and neutral gray; flexible polyurethane foam around the edge of the frame; and an adjustable headband.

INTENDED USE: To provide eye protection against sun, wind and dust.

NSN: None assigned to date.

LIN: J71304

SPECIFICATION: MIL-C-43914 (GL)

TYPE CLASSIFICATION DATA: Approved 12 November 1974 (TROSCOM)

TESTING DATA: DT II, Temperate, Desert and Arctic Conditions, TECOM Project No. 7-EI-825-000-001/002, 12 June 1974.

REMARKS:



Hat and Insect Net

ITEM: Hat and Insect Net

DESCRIPTION: The hat has a stiff crown with a standard-width quilted stitched brim, chin strap and camouflage band. It is made from cotton warp and nylon filling oxford cloth, OG 107. The insect net is dark green and is attached to the hat by an elastic cord through the top of the net and has two loops at the bottom of the net to fasten to buttons on shirt pocket flaps.

INTENDED USE: The hat and net are intended for use for special purposes and the environment in tropical and semi-tropical areas where the steel helmet or liner are not required.

NSN: Hat: 8415-00-469-2396 Insect Net: 8415-00-935-2914

LIN: Hat: K20163 Insect Net: K85122

SPECIFICATION: Hat: MIL-H-43577 Insect Net: MIL-I-43746

TYPE CLASSIFICATION DATA: AMCTC 2-54 (LP); AMCTC 10-67 Std A; AMCTC 2-75

TESTING DATA: ENSURE. Final Report of Tropical Combat Hats (ACL-84/67). No further testing required when reclassified to standard. Use experience in Vietnam was considered sufficient.

REMARKS: The items under one NSN, were initially Type Classified Standard in 1967 (AMCTC 10-67). In 1972 (AMCTC 2072) USACDC (now TRADOC) agreed that the items should be available for issue as separate end items, since the Net is not generally used. Items were separately type classified at AMCTC 2-72.



Helmet, Armored Vehicle Crewman, DH-132

ITEM: Helmet Armored Vehicle Crewmen DH-132

DESCRIPTION: The DH-132 helmet consists of a rigid outer protective shell which is attached to a separate inner liner by means of snap fasteners at the right and left temple areas and at the center at the back of the head and by velcro tape running from the crown to the forehead area. The inner liner consists of foam energy-absorbing sections enclosed in a nylon-mesh fabric with leather fastener mounts containing the male snap fasteners for attaching the female sections of the snap fasteners of the outer shell and the chin strap. A rigid outer cup with a foam-padded inner seal earphone is inserted into openings in the right rigid earcup; the earphone switch and the upper earphone cord are attached to the left cup. A retractile (coil spring type) cord for plugging into the communications system of the vehicle is attached to the upper cord.

INTENDED USE: For use by armored vehicle crewmen. It provides ballistic and bump protection and communications capability.

NSN: 8415-00-094-2679

LIN: K33400

SPECIFICATION: LP/P DES 23-72

TYPE CLASSIFICATION: DARD Approved 2 November 1972

TESTING DATA: USATECOM Test, Project No. 1-EI-820-132-001/002 and 003. EST - USAARENBD, USAIB, USAFABD, USAATC and USAARL and USAEHA.

REMARKS:



Helmet, Flyers, SPH-4

ITEM: Helmet Flyers SPH-4

DESCRIPTION: The helmet has a fiberglass outer shell; polystyrene lining; acrylic visor; chin strap; radio headset; and microphone with mounting bracket assy (SPH-4). The shell is Olive Green Army Shade 106.

INTENDED USE: For use by aviation personnel to provide acoustic and crash protection, and communications capability.

NSN: 8415-00-144-4981

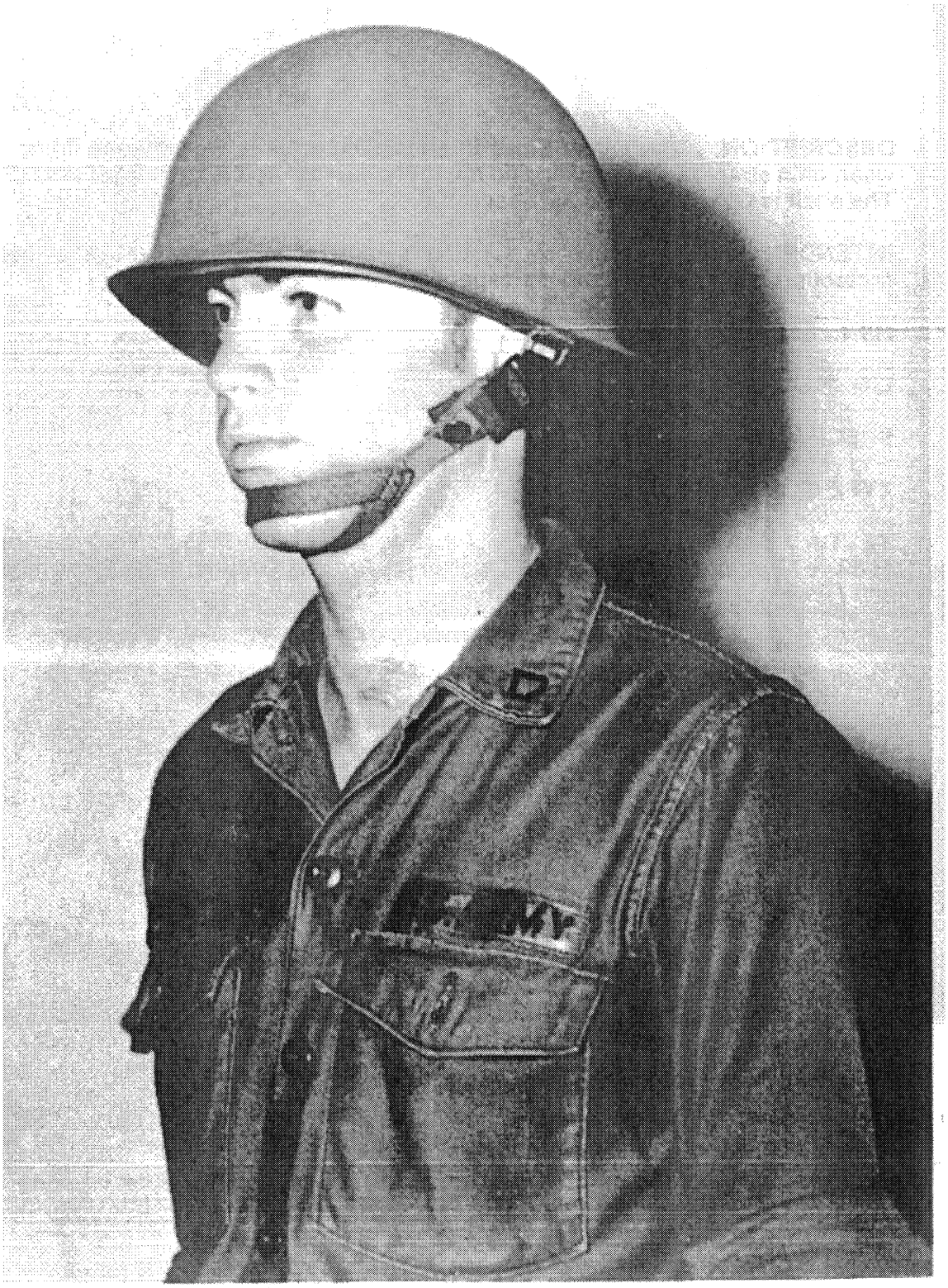
LIN: K34252

SPECIFICATION: LP/P DES 18-69

TYPE CLASSIFICATION DATA: AMCTC 2-70

TESTING DATA: EST, USATECOM Project No. 4-EI-820-PHS-001/002, 13 November 1969. ET conducted by US Army Electronics Proving Ground, July - September 1969.

REMARKS:



Helmet, Ground Troops, Type I

ITEM: Helmet Ground Troops, Type I

DESCRIPTION: The helmet is made of steel, Olive Green Shade 10Y 3/3, with a quick-release chin strap, and clips to permit detaching the strap from the helmet.

INTENDED USE: For use by combat personnel, other than parachutists, to provide ballistic protection to the head and neck.

NSN: 8470-00-255-8579

LIN: K34733

SPECIFICATION: MIL-H-1988, Type I

TYPE CLASSIFICATION DATA: Item approved as Standard, January 1945.

TESTING DATA: Developed in 1941 by USA Ordnance Corps. At that time it was ballistically tested using a 45 cal. pistol. Since NARADCOM assumed responsibility for the Helmets and Armor, the Helmet has been re-evaluated in terms of casualty reduction.

REMARKS:



Helmet, Parachutists, Type II

ITEM: Helmet, Parachutists, Type II

DESCRIPTION: The helmet is identical to the ground troops helmet, except that it is provided with a chin strap and permanently attached addjustable web-chin-strap-suspension-bands and two snap fasteners which a flap on the chin strap may be connected to the helmet to prevent separation of the liner and helmet during descent.

INTENDED USE: For use by parachutists to provide ballistic protection to the head and neck.

NSN: 8470-00-161-9414

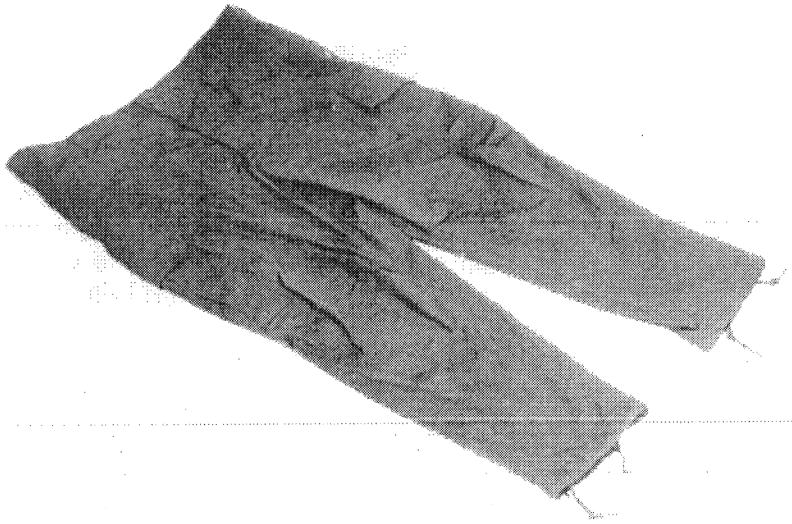
LIN: K34870

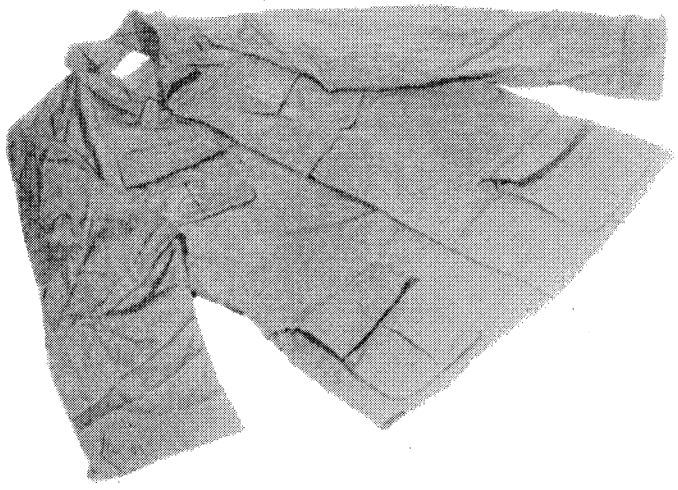
SPECIFICATION: MIL-H-1988, Type II

TYPE CLASSIFICATION DATA: Item approved as Standard, January 1945.

TESTING DATA: Developed in 1941 by USA Ordnance Corps. At that time it was ballistically tested using a 45 cal. pistol. Since NARADCOM assumed responsibility for the Helmets and Armor, the Helmet has been re-evaluated in terms of casualty reduction.

REMARKS:





Hot Weather Uniform (Combat Tropical)

ITEM: Hot Weather Uniform (Combat Tropical)

DESCRIPTION: The coat is a single-breasted coat-style design with back yoke, collar, four patch bellows-type pockets with flaps, a straight cut bottom and cuffed sleeves. The coat is solid Olive Green 107 color.

The trousers have a button and buttonhole fly opening with protective flap, adjustable straps at waist; right and left hip pockets with flaps, side hanging pockets, right and left pleat-type cargo pockets and leg hem drawcords.

INTENDED USE: The uniform is intended to be used for special purposes in tropical and temperate areas.

NSN: Coat: 8415-00-935-4702 Trousers: 8415-00-935-3302

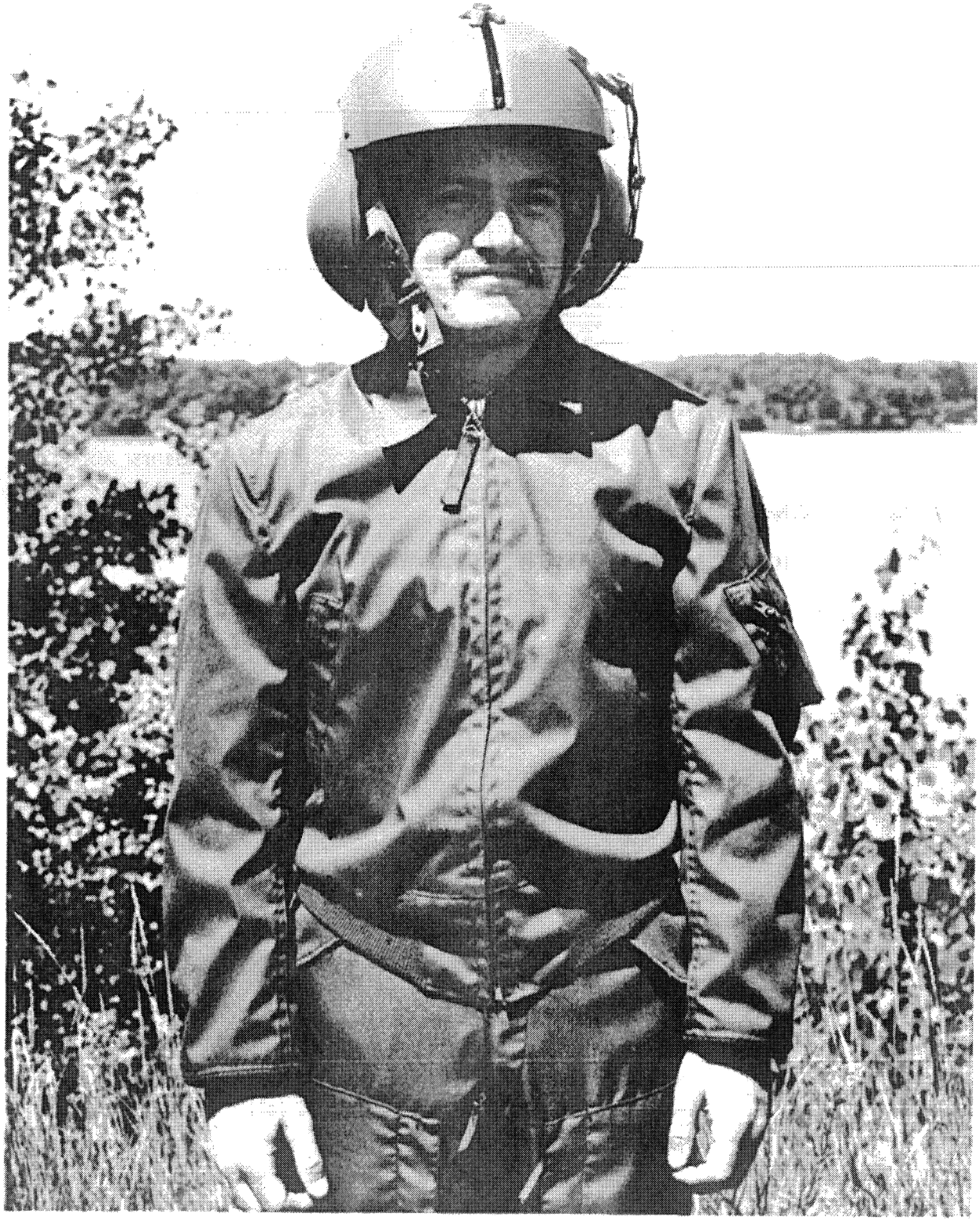
LIN: Coat: E43919 Trousers: X36632

SPECIFICATION: Coat: MIL-C-4702 Trousers: MIL-T-43217

TYPE CLASSIFICATION DATA: AMCTC 13-63, AMCTC 9-68

TESTING DATA: Evaluation report of the rip-stop poplin versus the regular (plain weave) is contained in a memo for record dated 16 January 1967.

REMARKS: Item initially Type Classified in 1963 (AMCTC 13-63) material change to rip-stop in 1968 (AMCTC 9-68).



Jacket, Flyers, Lt. Wt.

ITEM: Jacket, Flyers, Lt. Wt.

DESCRIPTION: The jacket is single breasted with a front slide-fastener closure and is made of high-temperature-resistant material. It has a collar with tab closure and diagonal breast pockets with hood and pile closure. The left sleeve has a cigarette and a pencil pocket. The cuffs and waist band are spandex knit. The jacket is fully self-lined.

INTENDED USE: Intended for wear as part of the aviation crewman's clothing.

NSN: 8415-00-217-7201 Series

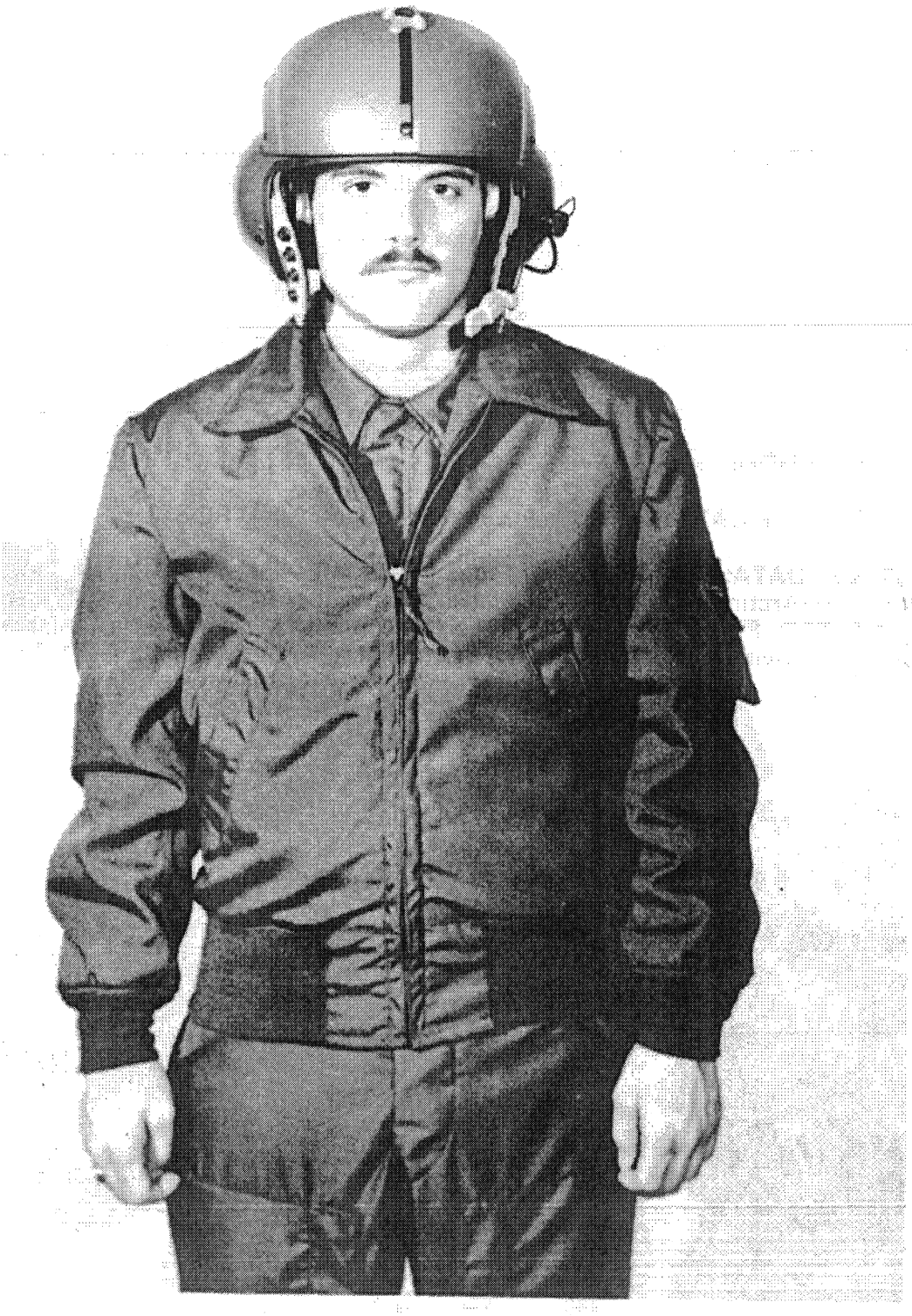
LIN: L14475

SPECIFICATION: LP/P DES 10-73

TYPE CLASSIFICATION DATA: Approved 7 June 1973 (TROSCOM)

TESTING DATA: USATECOM Project No. 4-EI-485-AAC-013/014. USAATC conducted (Arctic) ST at Ft. Greely, Alaska, 1 November 1972 through 19 January 1973. USAAVNTBD, Ft. Rucker conducted the (Temperate) ST at Ft. Rucker, Alabama and Aberdeen Proving Ground, Maryland, November 1972 through January 1973.

REMARKS:



Jacket, Flyers, Med. Wt.

ITEM: Jacket, Flyers, Medium Weight

DESCRIPTION: The jacket is single breasted with a front slide fastener closure and is made of high-temperature-resistant material. It has a collar with tab closure and diagonal breast pockets with hook and pile closure. The left sleeve has a cigarette and a pencil pocket. The cuffs and waistband are spandex knit. The jacket is fully lined, with high-temperature-resistant quilted batting material.

INTENDED USE: Intended for wear as part of the aviation crewman's clothing. To provide comfort to pilot and crewman in a plus 40 degrees Fahrenheit cockpit environment.

NSN: 8415-00-221-8870

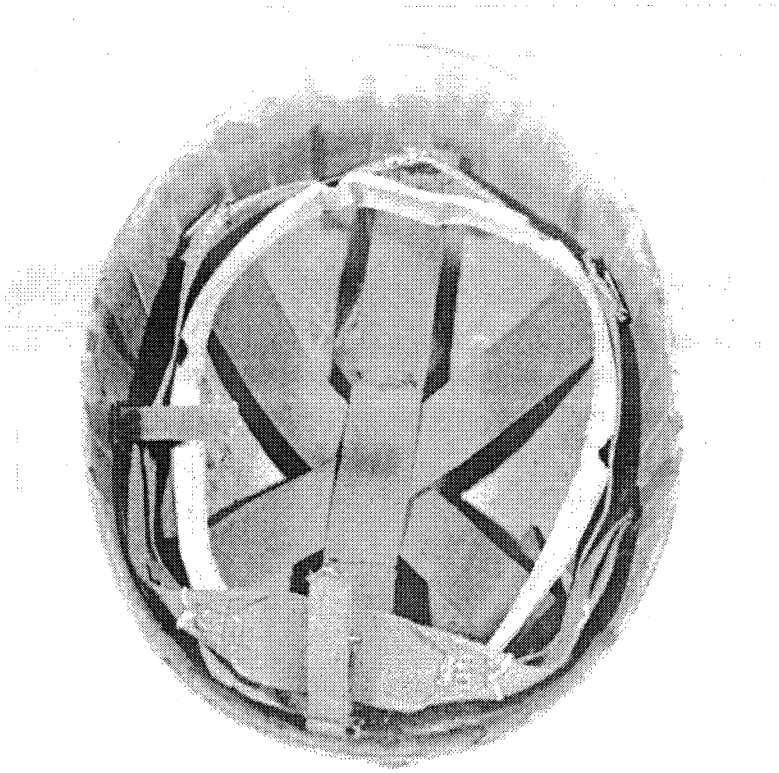
LIN: L14520

TYPE CLASSIFICATION DATA: Approved 7 June 1973 (TROSCOM)

SPECIFICATION: LP/P DES 11-73

TESTING DATA: USATECOM Project No. 4-EI-485-AAC-013/014. USAATC conducted (Arctic) ST at Ft. Greely, Alaska, 1 November 1972 through 19 January 1973. USAAVNTBD, Ft. Rucker conducted the (Temperate) ST at Ft. Rucker, Alabama and Aberdeen Proving Ground, Maryland, November 1972 through January 1973.

REMARKS:



Liner, Ground Troops, Type I

ITEM: Liner Ground Troops Helmet, Type I

DESCRIPTION: The liner is made from a polyvinyl butyral modified phenolformaldehyde resin laminated nylon; ballistic for armor cloth shell, Olive Green Shade 10Y 3/3; 13 1/2 oz (382.7 g). It has a headband, neckband and removable suspension system.

INTENDED USE: The helmet liner, with the liner suspension assembly, headband, and neckband attached, is used with or without the Helmet, Ground Troops M-1, for ballistic protection and as a military head.

NSN: 8470-00-935-6842

LIN: L71200

SPECIFICATION: MIL-L-41800, Type I

TYPE CLASSIFICATION DATA: AMCTC 6-70

TESTING DATA: Product Improvement Test, USAIB, USATECOM Project No. 8-4-6920-04, August 1966. Check Test, USATECOM Project No. 8-4-6929-04, 3 January 1968.

REMARKS:



Liner, Parachutists, Type II

ITEM: Liner, Parachutists Helmet, Type II

DESCRIPTION: The liner is made from a polyvinyl butyral modified phenolformaldehyde resin laminated nylon; ballistic for armor cloth shell, Olive Green Shade 10Y 3/3, 15 1/2 oz. (439.4 g), with chin strap and assembly for chin strap. It has a neckband, chin strap, and a suspension assembly.

INTENDED USE: The helmet liner with the liner suspension assembly, headband, neckband and chin strap, is used with or without the Helmet, Ground Troops, Type II for ballistic protection and as a military head covering.

NSN: 8470-00-935-6844

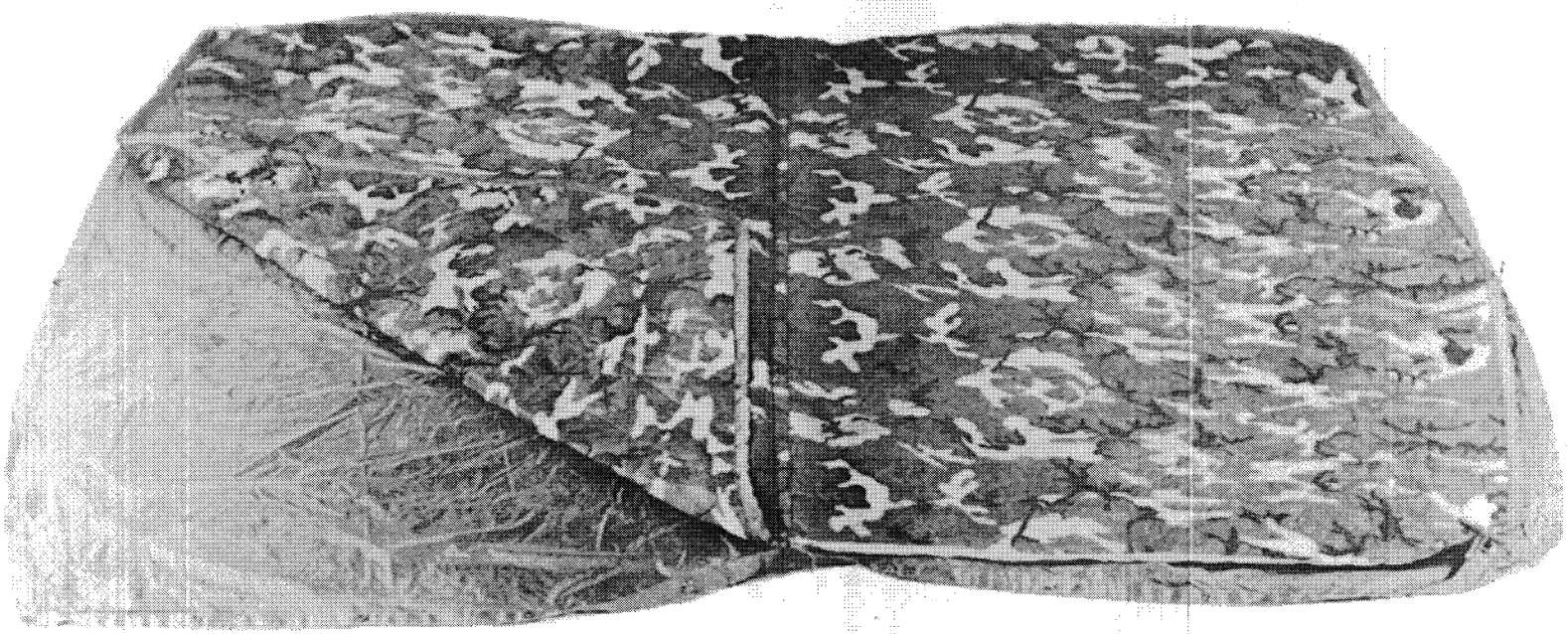
LIN: L71337

SPECIFICATION: MIL-L-41800, Type II

TYPE CLASSIFICATION DATA: AMCTC 6-70

TESTING DATA: Product Improvement Test, USAIB, USATECOM Project No. 8-4-6920-04, August 1966. Check Test, USATECOM Project No. 8-4-6929-04, 3 January 1968.

REMARKS:



Liner, Wet Weather, Poncho, Camouflage Pattern

ITEM: Liner, Wet Weather, Poncho Camouflage Pattern

DESCRIPTION: The poncho liner is camouflage patterned and is made of polyester batting sandwiched between two panels of light 1.1 oz (31.2 g) nylon ripstop fabric. The liner is equipped with eight tie tapes for attaching to the poncho.

INTENDED USE: The liner is intended for use as a blanket or as a hot weather sleeping bag when used with a poncho.

NSN: 8405-00-889-3683

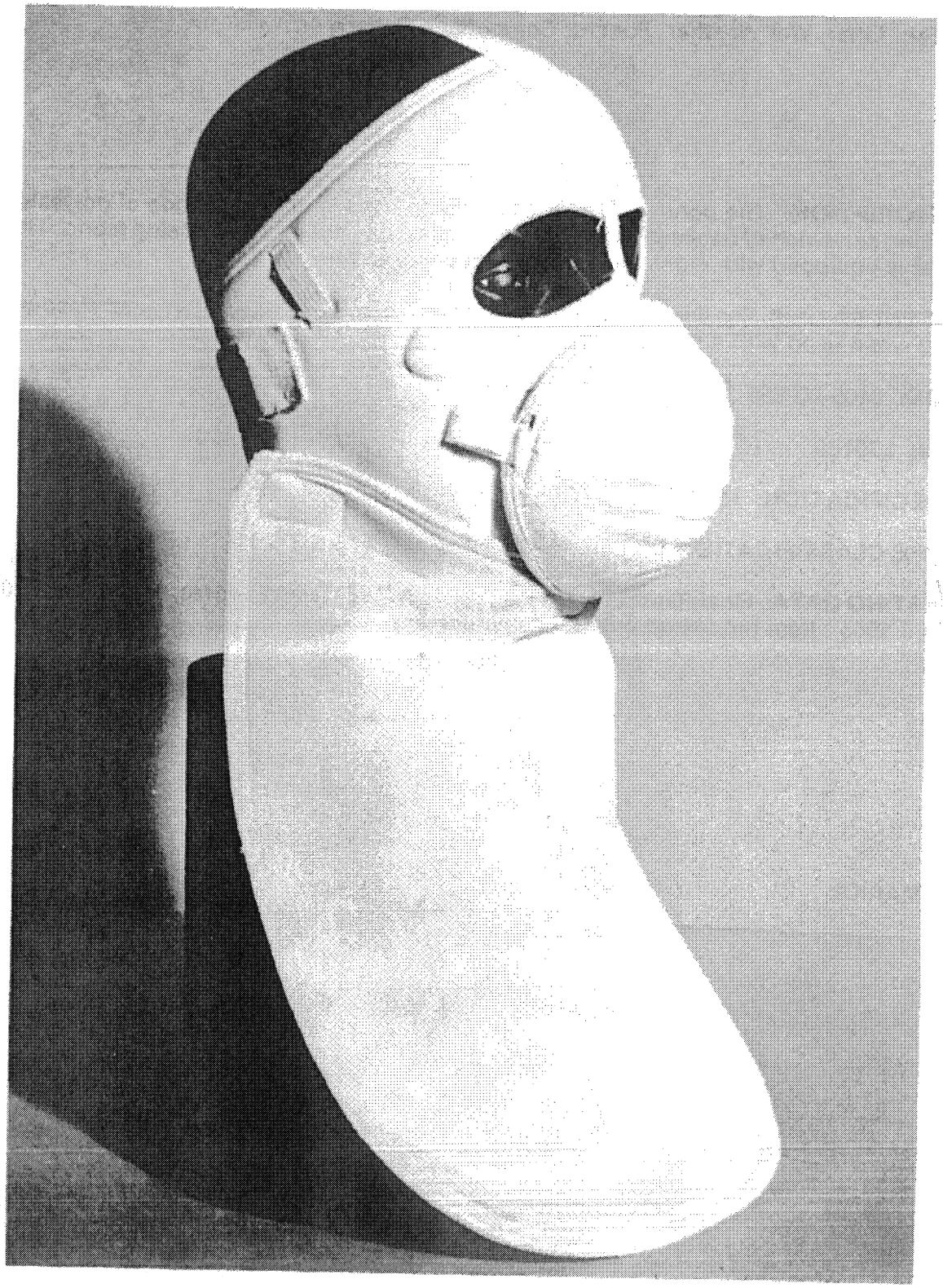
LIN: L70789

SPECIFICATION: MIL-L-43335 (GL)

TYPE CLASSIFICATION DATA: AMCTC 4-62 (LP); AMCTC 11-65 LP to Standard

TESTING DATA: Final Report of Service Test, USATECOM Project No. 8-3-7120-02, 20 April 1965. Item not tested in desert environment.

REMARKS:



Mask, Face, Cold Weather

ITEM: Mask, Face, Cold Weather

DESCRIPTION: The item made, from a laminated foam, is a one-piece close-fitting mask which covers the forehead, cheeks, ears, chin, and nose. Eyeglass holder loops are provided to hold eyeglass stems. A removable oronasal barrier is used to cover the mouth-nose part. A detachable bib is provided to cover the throat area.

INTENDED USE: To be used in conjunction with the cold-dry uniform, to protect the wearer's face against wind, cold, blowing snow, and frostbite.

NSN: 8415-01-006-3468

LIN: Z41698

SPECIFICATION: LP/P DES 29-73

TYPE CLASSIFICATION DATA: N/A - Expendable Item. Item approved for Army use 27 December 1973 (TROSCOM).

TESTING DATA: Development Test II (Service Phase) Under Arctic Winter Conditions and Development Test II (Engineering Phase) USATECOM Project Nos. 8-EI-825-000-009/010, 5 September 1973.

REMARKS:



Neckerchief, OG 109

ITEM: Neckerchief, OG 109

DESCRIPTION: The neckerchief is cotton knit, Olive Green Shade 109, 36 inches long (91.4 cm) by 24 inches wide (60.96 cm). It is designed for tropical combat.

INTENDED USE: Intended to provide protection against the sun and insects and to function as a sweat cloth for face and neck.

NSN: 8440-00-935-6374

LIN: M95975

SPECIFICATION: MIL-N-43741 (GL)

TYPE CLASSIFICATION DATA: AMCTC 1-68

TESTING DATA: ACTIV Test Report (ACL 84/67) 30 December 1966. No further testing was required.

REMARKS:



Poncho, Lt. Wt. OG 207

ITEM: Poncho, Lightweight OG 207

DESCRIPTION: The poncho has sides and ends that are hemmed and equipped with snap fasteners for closing, as well as grommets for attachine test pin lines. The coated side of the cloth is on the outside of the poncho. It has a hood with a drawcord for face opening adjustment and a drawcord for waist adjustment.

INTENDED USE: The poncho is used as a rain garment, ground sheet, blanket, sleeping bag cover, or shelter half.

NSN: 8405-00-935-3257

LIN: L17415

SPECIFICATION: MIL-P-43700

TYPE CLASSIFICATION DATA: 8 November 1967, ACSFOR approved LP Type Classification; AMCTC 12-68 LP to Standard.

TESTING DATA: EST, USATECOM Report No. 8-6-6400-01/02, 14 July 1967. Final Report - Tropical Combat Uniform (Poncho and Groundcloth) ACL 84.4/67 and 84.3/67, 19 June 1967. ENSURE 220.

REMARKS:



Shelter Half

ITEM: Shelter Half Tent: Cotton Duck Olive Green

DESCRIPTION: The shelter half consists of 7.5 oz. (212.6 g) cotton and rayon fabric, mildew-resistant and water-repellent, Olive Green 107. It can be attached to another shelter half with stud snap fasteners. It has a triangular closing flap on both ends, one guy line and 5 footstop lines, 5 pins and 3 poles section.

INTENDED USE: The shelter half may be used by itself as a fly for shade and shelter or, when joined together by its snap fasteners to another shelter half, as a shelter for two men.

NSN: 8340-00-753-6435

LIN: T00150

SPECIFICATION: MIL-S-3725

TYPE CLASSIFICATION DATA: QMCTC 5-60

TESTING DATA: Service Test of Individual Shelters, DA Project No. 7-71-09-010, USAIB, 9 June 1959.

REMARKS:



Shirt Sleeping

ITEM: Shirt, Sleeping

DESCRIPTION: The shirt is made of tricot knit material which is nylon on the outside and a brushed triacetate fiber facing the body. The cloth is 70% triacetate and 30% nylon knit fabric. The item has a convertible collar with a button closure at the neck and full length sleeves with rib knit cuffs.

INTENDED USE: Used as a component of field sleeping gear in hot and cool weather areas.

NSN: 8415-00-890-2099

LIN: T04685

SPECIFICATION: MIL-S-43357

TYPE CLASSIFICATION DATA: AMCTC 4-62 (LP); AMCTC 11-65 LP to Std.

TESTING DATA: Final Report of Service Test, USATECOM Project No. 8-3-7120-02, 20 April 1965. Item not tested in desert environment.

REMARKS:

Sleeping Bags, Intermediate and Extreme Cold

ITEM: Sleeping Bags: Intermediate and Extreme Cold

DESCRIPTION: The intermediate cold sleeping bag is designed in a mummy shaped configuration utilizing quilted constructed channels. Outer fabric is oxford cloth, 50/50 nylon/cotton. Inner fabric is cotton balloon cloth. Two layers of insulating material are used. Front and back outer channels are filled with a mixture of 50% waterfowl feathers and 50% down. A full length slide fastener is the primary closure and includes a free running slide fastener. The face opening has a drawstring closure to restrict the flow of cold air into the bag and the flow of warm air out.

The extreme cold sleeping bag is identical to the intermediate bag except that it has 100% down in the outside channels, and it contains more insulation.

INTENDED USE: The intermediate bag is for use in locations where the mean monthly temperature ranges from plus 45 degrees to plus 10 degrees Fahrenheit. The extreme cold bag is for use in locations where the mean monthly temperatures are below plus 10 degrees Fahrenheit.

NSN: Intermediate: 8465-00-518-2797 (One size) Extreme Cold: 8465-00-518-2804 (One size)

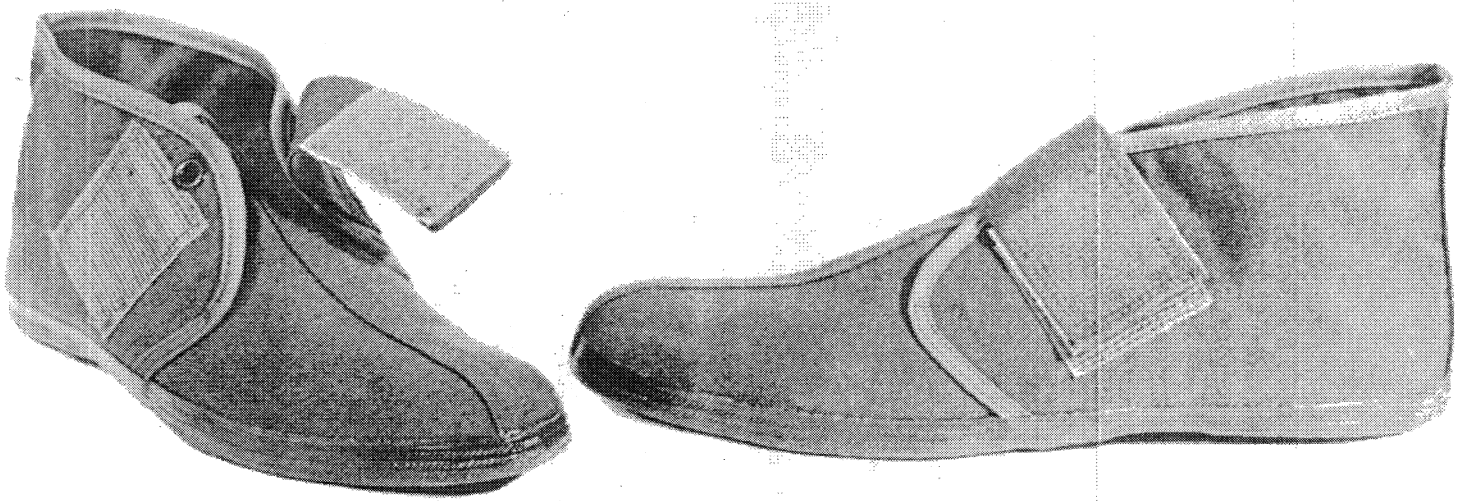
LIN: Intermediate: Z74138 Extreme Cold: Z74116

SPECIFICATION: MIL-S-43880

TYPE CLASSIFICATION DATA: Approved 29 March 1974 (TROSCOM)

TESTING DATA: Evaluation of Sleeping Gear, Cold Weather (LINCLOE), Development Test II (Service Phase) under Arctic Winter Conditions and Development Test II (Engineering Phase) USATECOM Project Nos. 8-EI-515-000-002/006, dated I October 1973.

REMARKS:



Shoes, Comfort

ITEM: Shoes Comfort

DESCRIPTION: The item is a low blucher type shoe, of Olive Green Shade 106, with a nylon duck upper, soft toe, rubber heel and sole, and a tape closure using hook and pile fastener.

INTENDED USE: Items are intended for use in Zones I and II. The shoes are designed for wear in base camp areas while performing fatigue details. They permit exposure of the skin to the air while affording protection from mud, dirt and rough ground.

NSN: 8430-00-459-0449 through 0477

LIN: T06325

SPECIFICATION: MIL-S-43735

TYPE CLASSIFICATION DATA: Approved DA LP-U, 1 October 1969, Approved DA Std, 14 January 1970.

TESTING DATA: ET/ST not conducted for subject item. Items were provided under ENSURE 247.1 for evaluation in RVN. USARV evaluation: USARV message to DA 020518Z JAN 70, subject: Special Footwear Inundated Areas (ENSURE 247.1).

REMARKS:



Suit, Chemical Protective (Coat and Trousers) Used as Overgarment

ITEM: Suit, Chemical Protective: (Coat and Trousers) Used as Overgarment

DESCRIPTION: The suit is a two-layer, two-piece garment consisting of a coat and trousers. The coat has a short stand-up collar, a full length zipper opening covered by a double protective flap, elastic sleeve closures and two outer pockets located at chest level. The trousers have a fly front, adjustable waist tabs, and suspender loops. The outside of each pant leg has a zipper closure covered by a protective flap.

INTENDED USE: The suit is intended for use in combat zones forward of brigade rear boundary, to provide protection against chemical agents.

NSN: 8415-00-177-5007, 5008, 8415-00-407-1060, 1062, 1063, 1064

LIN: U57960

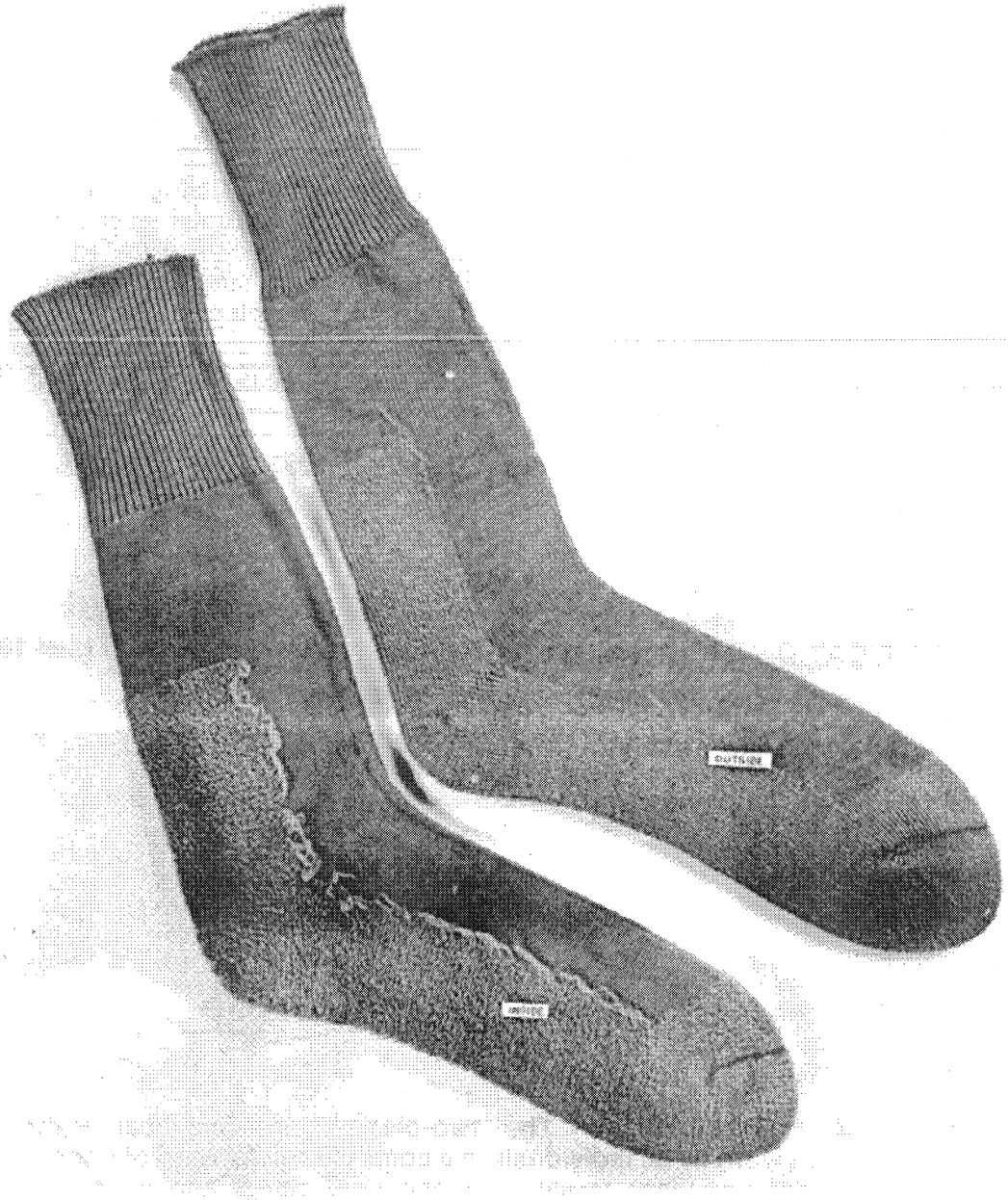
SPECIFICATION: MIL-S-43926

TYPE CLASSIFICATION DATA: AMCTC 11-70, Approved ACSFOR, 24 August 1970.

TESTING DATA: EST, 8-5-6610-04/06/07/08. Check Test, 8-EI-825-000-002. Item not tested for use in desert environment.

REMARKS:

SUIT, CHEMICAL PROTECTIVE - The two-piece Suit, Chemical Protective (Overgarment) is to be worn by all individuals in a combat zone forward of brigade rear boundary, when under imminent threat of a chemical attack and after chemical operations have been initiated. This garment is intended to provide the combat soldier with a single outer layer of clothing and will afford complete protection against percutaneous toxic or incapacitating chemical agents. The item is considered expendable; it will be discarded when contaminated, and requires no maintenance. The protective characteristics of the garment are retained after fourteen (14) days of continuous wear in combat activities.



Socks, Wool, OG 108

ITEM: Socks, Wool, OG 408

DESCRIPTION: The sock has a flat knit body with a ribbed knit top and a cushion sole. The cushioned and reinforced areas incorporate terry stitching in the high heel, heel sole, toe and ring toe and sole. It is treated for shrink resistance.

INTENDED USE: The item is intended for wear with field combat footwear.

NSN: 8440-00-782-2171

LIN: T93335

SPECIFICATION: MIL-S-48

TYPE CLASSIFICATION DATA: AMCTC 6-65; QMCTC 2-53

TESTING DATA: Test conducted at QM Board, QMB Test Report, QMBT 5225, Socks, Wool, Cushion Sole.

REMARKS: Item initially Type Classified 1953 (AMCTC 2-53). Color change from black in 1965 (AMCTC 6-65).



Suspenders, Individual Equipment Belt

ITEM: Suspenders, Individual Equipment Belt

DESCRIPTION: The suspenders are made of nylon cloth and webbing, Olive Drab Army Shade 7, "Y" shaped with three adjusting straps, and four snaps for attachment to the belt and ammunition cases.

INTENDED USE: The suspenders are designed for use with the individual equipment belt on which are suspended items of field equipment such as the water canteen, intrenching tool, ammunition cases and other items required by the soldier in the field. The suspenders come in one size only and are adjustable to fit individuals of all size ranges.

NSN: 8465-00-001-6471

LIN: U73325

SPECIFICATION: MIL-S-43829

TYPE CLASSIFICATION DATA: Approved 17 January 1973 (TROSCOM)

TESTING DATA: Items were tested (EST) by USA Tropic Test Center, Project No. 8-EI-515-LIN-003, and USA Arctic Test Center, Project No. 8-EI-515-LIN-001. USAATC completed testing on May 1972 and USATTC in June 1972.

REMARKS:



Tent, Mountain, 2-Man

ITEM: Tent, Mountain, 2-Man

DESCRIPTION: The tent is made from wind-resistant twill, which is also fire, mildew and water resistant. The material is Olive Drab Army Shade 7 on one side and white on the other side, so that the color which blends best with the terrain can be faced out. The tent has cloth flooring and uses 12 single section poles, 2 pole adapters and six 9-inch aluminum tent pins.

INTENDED USE: This reversible tent is intended for use in mountainous and Arctic regions.

NSN: 8340-00-254-9017

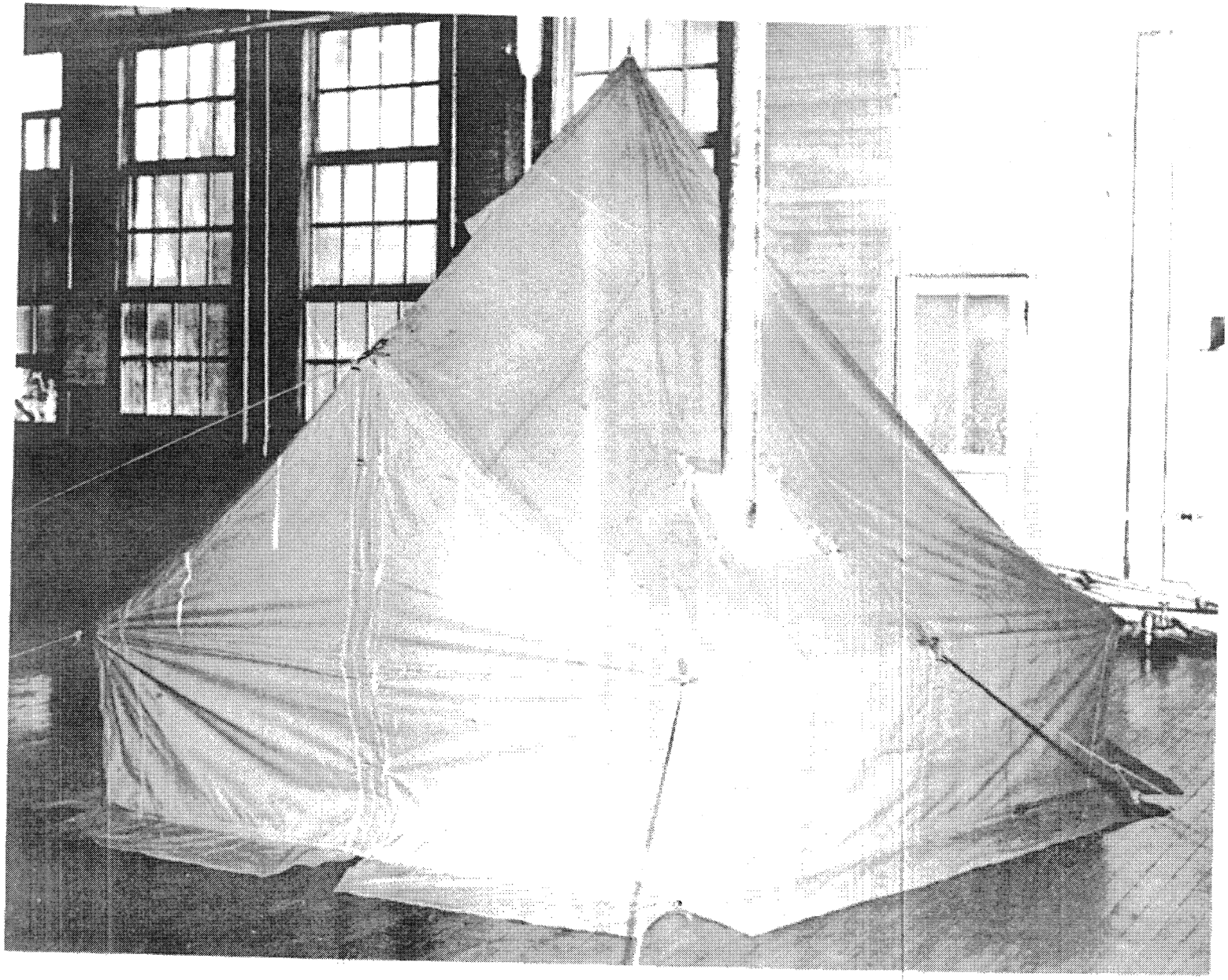
LIN: V50359

SPECIFICATION: MIL-T-1926

TYPE CLASSIFICATION DATA: QMCTC 10-43

TESTING DATA: Not available.

REMARKS:



Tent, Hexagonal, Lt, Wt. 5-Man

ITEM: Tent Hexagonal, Lightweight, 5-Man

DESCRIPTION: The tent is made of 9 oz. (255.2 g) wind-resistant cotton sateen, which is also fire, mildew, water, and weather resistant, Olive Green Army Shade 107. It has a detachable, white, non-flammable liner and a triangular-shaped tunnel entrance with a nylon netting insert screen attached.

INTENDED USE: The tent with liner is used to provide a lightweight, warm and windproof shelter for troops operating in a cold environment. The tent normally will accommodate five men and their duffel.

NSN: 8340-00-269-1374

LIN: V49537

SPECIFICATION: MIL-T-10035

TYPE CLASSIFICATION DATA: QMCTC 7-50

TESTING DATA: Test conducted by US Army Arctic Test Center, Ft. Greely, Alaska during winter of 1948-49. As a result of test findings, item was classified Standard.

REMARKS:



Trousers, Cold Weather (Field)

ITEM: Trousers, Cold Weather (Field)

DESCRIPTION: The trousers are designed for use with removable liners and incorporate these features: a slide fastener fly closure; leg bottoms secured with drawcords through tunnel hems; two front hip pockets with flaps and snap fastener closures; and two bellows-cargo pockets on left side and right side of legs with flaps and snap fastener closures.

INTENDED USE: To be worn in cold-wet and cold-dry areas.

NSN: 8415-00-782-2948

LIN: X36109

SPECIFICATION: MIL-T-43497

TYPE CLASSIFICATION DATA: AMCTC 4-65

TESTING DATA: Integrated Combat Uniform, T63-5, Cold Wet, Cold Dry, USATECOM Project No. 8-3-6210-06K, 27 April 1964. Test conducted at US Army Arctic Test Center, Ft. Greely, Alaska.

REMARKS:



Vest, Grenade Carrying, M-79/M-203 Grenade Launchers

ITEM: Vest, Grenade Carrying; for M-79 and M-203 Grenade Launchers

DESCRIPTION: The vest comes in three sizes and has a waist adjustment strap. The front of the vest and pockets are nylon cloth duck, OG-106; the back is made of a nylon raschel knit cloth. The front closure of the vest has a hook and pile fastener tape, reinforced with three snap fasteners. Four individual longer compartments are at the top of the vest for carrying 40 mm pyrotechnic type cartridges, and 20 individual compartments carrying 40 mm high explosive ammunition.

INTENDED USE: The vest is intended as an outer garment for carrying twenty 40 mm high explosive grenades for the M-79 and M-203 (Adapter for M-16 Rifle) Grenade Launchers and four pyrotechnic cartridges also of 40 mm caliber.

NSN: 8415-00-146-1667 - Small (Chest 38 inches and under)
8415-00-146-1668 - Medium (Chest 39 inches and up to 43 inches)
8415-00-146-1669 - Large (Chest 43 inches and up)

LIN: Y00790

SPECIFICATION: MIL-V-43707

TYPE CLASSIFICATION DATA: AMCTC 12-68 (LP); AMCTC 4-72 LP to Standard

TESTING DATA: ENSURE 151/USARV suitability statement, February 1971.

REMARKS:

SECTION II

DEVELOPMENT ITEMS



Desert Uniform

ITEM: Desert Uniform consisting of Coat; Trousers, Night; Trousers; Parka, Night, with liner; Cover, Helmet; Neckerchief; Hat with Headnet; and Cover, Field Pack

DESCRIPTION: The coat is a single breasted coat style design dyed in the 6-color descriptive camouflage pattern. It has a back yoke lining, a collar, four patch bellows-type pockets with flaps, a straight cut bottom, elbow patches, sleeve tabs, and long sleeves that can be rolled up.

The trousers in a 6-color descriptive camouflage pattern have a slide fastener fly, right and left hip pockets with flaps, side hanging pockets, right and left pleat type cargo pockets with flaps; all of the flaps have hook and pile fastener tape closure.

The parka is a single breasted outer garment incorporating a hood; button front closure; two slit-type hand openings with flap and button closures; elasticized cuffs, drawcords at neck, hood, waist, and hemline; and buttons on the inside for attachment of a liner.

The helmet cover is identical to the standard Cover, Helmet, Camouflage, except that it is dyed in the 6-color descriptive camouflage pattern.

The neckerchief is a highly absorbent knitted cotton fabric dyed in the 6-color descriptive camouflage pattern, and measures 36 x 24 inches (91.4 x 61.0 cm).

The hat is made from the same material and in the same 6-color camouflage pattern as the Coat and Trousers Desert Uniform. It has a low-slope crown with a semi-rigid interlined brim, adjustable chin strap and screened eyelets on each side of the crown. A headnet is included.

The field pack cover is identical except for color pattern to the Arctic white field cover; it has an elastic hem to hold the cover in position, and is fabricated of the same material and in the same camouflage pattern as the coat and trousers.

INTENDED USE: The uniform is for wear in a desert environment. Some components are for daytime wear, and others for nighttime.

SPECIFICATION: Coat LP/P DES 19-73A; Trousers, Night LP/P DES 10-74; Trousers LP/P DES 20-73A; Parka LP/P DES 25-73; Helmet LP/P DES 1-74; Hat, LP/P DES 40-71; Cover, Field Pack LP/P DES 21-73.

TYPE CLASSIFICATION DATA: See Remarks.

TESTING DATA: DT II (EST) USATECOM Project No. 8-EI-485-000-36, test conducted by USAIB from 1 Aug 72 to 27 Jul 73, at Ft. Benning, GA; Ft. Bliss and Ft. Hood, TX; Yuma Proving Ground, AZ and Aberdeen Proving Ground, MD. Item has been tested for use in desert operations.

REMARKS: The uniform has not been type classified Standard to date. Reference letter dated 29 March 1974, ACSFOR, DAFD-DOS, subject: Deletion of SDR 149b (06). This letter terminated further development action and recommended that a technical data package be made available in the event it is required in the future.