

MIL-G-24909A

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Superseding

MIL-G-24909

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MILITARY SPECIFICATION  
GLOVES, MEN'S AND WOMEN'S

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

1. SCOPE

1.1 Scope. This specification covers the requirements for one type of leather, slip-on, fabric lined glove used by men and women.

\* 1.2 Classification. The gloves shall be procured in the following sizes as specified (see 6.2 and 6.6).

1 - 1C - 2 - 2C - 3 - 3C - 4 - 4C - 5 - 5C - 6 - 6C - 7 - 7C - 8 - 9 - 10

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 specification 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.

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Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: Officer in Charge, Navy Clothing and Textile Research Facility, 21 Strathmore Road, Natick, MA 01760-2490 by using the self-addressed Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

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FSC 8440

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## SPECIFICATIONS

## FEDERAL

- R-N-91 - Naphthalene Technical
- V-T-295 - Thread, Nylon
- KK-L-254 - Leather, Sheepskin, Chrome Tanned
- NN-P-71 - Pallets, Material Handling, Wood, Stringer Construction, 2-Way and 4-Way (Partial)
- DDD-L-20 - Label; for Clothing, Equipage, and Tentage (General Use)

## MILITARY

- MIL-P-15011 - Pallets, Material Handling, Wood Post Construction, 4-Way Entry
- MIL-B-17757 - Boxes, Shipping Fiberboard (Modular Sizes)

## STANDARDS

## FEDERAL

- FED-STD-191 - Textile Test Methods
- FED-STD-595 - Colors
- FED-STD-751 - Stitches, Seams, and Stitchings

## MILITARY

- MIL-STD-105 - Sampling Procedures and Tables for Inspection by Attributes
- MIL-STD-129 - Marking for Shipment and Storage
- MIL-STD-147 - Palletized Unit Loads
- MIL-STD-1613 - Provisions for Evaluating Quality of Gloves, Leather, Dress

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 shall be those in effect on the date of the solicitation.

## LAWS AND REGULATIONS

## US POSTAL SERVICE MANUAL

(Copies of the manual may be obtained from the Superintendent of Documents, US Government Printing Office, Washington, DC 20402).

(Copies of specifications, standards, handbooks, drawings, publications, and other Government documents required by contractors in connection with specific acquisition functions should be obtained from the contracting activity or as directed by the contracting activity.)

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\* 2.2 Other publications. The following document(s) form a part of this specification to the extent specified herein. Unless otherwise specified, the issues of the documents which are DOD adopted shall be those listed in the issue of the DODISS specified in the solicitation. Unless otherwise specified, the issues of documents not listed in the DODISS shall be the issue of the nongovernment documents which is current on the date of the solicitation.

NATIONAL MOTOR FREIGHT TRAFFIC ASSOCIATION, INC., AGENT

National Motor Freight Classification

(Applications for copies should be addressed to the American Trucking Association, ATTN: Traffic Department, 1616 P Street, N.W., Washington, DC 20036).

UNIFORM CLASSIFICATION COMMITTEE, AGENT

Uniform Freight Classification

(Applications for copies should be addressed to the Uniform Classification Committee, Room 1106, 222 South Riverside Plaza, Chicago, Illinois 60606).

\* 2.3 Order of precedence. In the event of a conflict between the text of this specification and the references cited herein, the text of this specification shall take precedence. Nothing in this specification, however, shall supersede applicable laws and regulations unless a specific exemption has been obtained.

### 3. REQUIREMENTS

\* 3.1 Guide sample. Samples, when furnished, are for design, construction, appearance, and finish of leather for those specific defects cited in 4.4.3. Variations from this specification may appear in the sample in which case this specification shall govern (see 6.3).

\* 3.2 First article. When specified, the contractor shall furnish sample unit(s) for first article inspection and approval (see 4.3 and 6.2).

### 3.3 Material.

3.3.1 Leather. The trunks (see 6.4) shall be cut from leather conforming to type A, class 2, sub-class b, of KK-L-254. The minimum wet and dry crocking colorfastness shall be Munsell 7.5 (wet) and Munsell 8.5 (dry). The leather shall have a thickness of 1-1/2 ounces (minimum) to 2-1/4 ounces (maximum). Folds or wrinkles more than 1/16 inch wide in the flat are not acceptable. The requirements for total ash, chromic oxide, and ph are not applicable. The leather shall not discolor the water in the shrinkage temperature test.

3.3.1.1 Color. The leather shall be developed dyed black (see 6.5), and shall approximately match shade number 27038 of FED-STD-595. The color shall be uniform throughout, and shall completely penetrate the leather from the grain side through to the flesh side.

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3.3.2 Fabric liner. The liner shall be made from a plain jersey knit 50% polyester/50% wool (+ 5% for each fiber) fabric. The fabric shall have a minimum weight of 6.0 oz per square yard and shall have 13-15 wales per inch and 13-15 courses per inch of a single yarn. The face side of the fabric shall be lightly napped. The color shall be natural or light beige. Recycled, reprocessed, or reused wool or polyester fibers are permitted (see 6.7). Testing shall be as specified in 4.4.1.

\* 3.3.3 Thread. The thread used for stitching the liner shall be Type VI, size 0, 2, or 3 ply of V-T-295. The color shall be natural. As an alternate, a comparable size cotton, polyester, or polyester/cotton thread may be used. The thread used for stitching the leather shell shall be Type I or II, class A or B, sizes A and B, 3 ply; or Type III, sizes A and B of V-T-295. The color shall be black, approximating the color of the leather.

3.4 Label. Each glove shall have a combination identification and size label conforming to Type VI, class 4 of DDD-L-20, except that the label shall have the following inscription and shall show fastness to dry cleaning only:

Gloves, Leather (50% polyester/50% wool liner)  
 Contract No: DLA-000-00-0-0000 (Example)  
 Stock No: 8440-00-000-0000 (Example)  
 Size: 5 (Example) of 5C (Example)  
 Name of Contractor:

\* 3.5 Design. The slip on style glove with sewn in bolton thumb shall have one piece fourchettes, top opening with turned under hem and a cut and sewn liner (see Figure 1).

\* 3.5.1 Figure. Figure 1 is furnished for information purposes only. To the extent of any inconsistencies between the written specification and the figure, the written specification shall govern.

\* 3.6 Patterns. Standard patterns to be used to cut working patterns will be furnished by the Government. The standard patterns shall not be altered in any way. Working patterns or dies shall be identical to the standard patterns (see 6.3).

Pattern parts	Cut parts per pair
<u>Leather:</u>	
Shell, back and palm	2 (1 right, 1 left hand)
Thumb	2 (1 right, 1 left hand)
Fourchette	6
<u>Knit liner:</u>	
Liner, back and palm	2 (1 right, 1 left hand)
Thumb liner	2 (1 right, 1 left hand)

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### 3.7 Construction.

\* 3.7.1 Stitches, seams, and stitching. Stitch, seam, and stitching types specified in Table I shall conform to FED-STD-751. Whenever two or more methods for seam or stitch types are given for the same part of the operation, any one may be used. The use of a trimmer attachment on the sewing machine for trimming leather or for trimming the lining is prohibited. Seam allowances for all leather to leather seaming operations shall be 1/16 to 3/32 inch, except for top opening. For the lining, seaming operations shall be 3/32 to 3/16 inch.

3.7.2 Stitches per inch. The minimum and maximum number of stitches per inch shall be as specified in Table I.

3.7.3 Thread breaks and ends of seams. Ends of all seams and stitching produced with 301 stitch type, when not caught in other seams or stitching, shall be securely tacked or backstitched not less than 3/8 inch. Thread breaks (all stitch types) shall be secured by stitching back of the break not less than 1/2 inch.

\* 3.7.4 Cutting. The gloves may be cut by the Table Cut Method, Pattern Cut Method, or Clicker Cut Method. If Clicker Cut Method is used, the skins shall be dampened and pulled in the width direction and allowed to relax, and pulled in the length direction. The commercial method of pre-measuring and adjusting the stretch of the skin to provide measurements for the cut trunks, thumb, and fourchette will be permitted providing the finished measurements of Table II are maintained. Skins shall not be toggled and set whereby all stretch of the leather is eliminated. Trunks and cut parts shall be matched for color, grain, and weight of the leather.

\* 3.8 Manufacturing operation requirements. The gloves shall be manufactured in accordance with operation requirements specified in Table I. The contractor is not required to follow the exact sequence of operations shown, provided the finished gloves are identical to that produced by following the sequence as shown in Table I, except that operations 9a and 9b must be performed in that sequence and operation 6b performed after the shell is closed.

3.8.1 Marking. The component parts of the gloves shall be marked, ticketed, or bundled to insure a uniform shade and size throughout the pair. Any method may be used except:

- a. Corrosive metal fastening devices
- b. Sew-on shade tickets or metal fastening devices on leather shell
- c. Adhesive type tickets which show discoloration or the adhesive mass adheres to the material upon removal of the tickets.

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3.9 Abbreviations in table of operations. The abbreviations used in table  
I are as follows:

Stch	-	Stitch
in	-	inch
Ndl	-	Needle
Bob	-	Bobbin
Lpr	-	Looper
Mchne	-	Machine
Brtck	-	Bartack
Comrcl	-	Commercial
smlr	-	similar
Btnhl	-	Buttonhole
incl	-	including
dbl	-	double
chnstch	-	chainstitch

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TABLE I - CONSTRUCTION OF GLOVES

NO.	OPERATION	STCH TYPE	SEAM/ STCH TYPE	STCH IN	THREAD NDL BOB/ LPR
1.	<p><u>Cutting.</u></p> <p>a. Before cutting, all skins shall be examined for defects which affect the appearance of the end item. The skins shall be dampened with tap water only, and the lengthwise stretch (from butt end to head end) shall be pulled out before cutting. The skins shall be stretched in the width direction however, sufficient stretch shall remain to prevent constriction or binding across the hand and knuckles in the finished glove when fingers are doubled under to make a fist.</p> <p>b. The length of the glove pattern shall run parallel with the length of the hide.</p> <p>c. Cut liner in accordance with patterns which show directional lines for cutting and notches for proper assembly.</p>				
2.	<p><u>Replacement of defective components.</u></p> <p>During the cutting and manufacturing process, components having material defects or damages that are classified as defects in MIL-STD-1613, shall be removed from production and replaced with non-defective and properly matched components.</p>				
3.	<p><u>Marking.</u></p> <p>Mark, ticket, or bundle all component leather cut parts to insure a uniform shade and size for proper assembly throughout the gloves (see 3.8.1).</p>				

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TABLE I - CONSTRUCTION OF GLOVES

NO.	OPERATION	STCH TYPE	SEAM/ STCH TYPE	STCH IN	THREAD	
					NDL BOB	LPR
4.	<u>Attach thumb to palm.</u> a. The thumb piece shall be inserted into the gouge of the shell on palm side with the fullness evenly distributed. Stitch inseam together grain side to grain side, 3/32 inch from the edge.  b. Turn thumb to finished position.	301	SSa-1	10-12	B	A
5.	<u>Position and attach fourchettes.</u> a. Position the center of the curved side (quirks) of each fourchette at the base of the finger on the back of shell and the tip of the finger at location mark.  b. Stitch curved side of each fourchette to finger on backside of each glove, grain side to flesh side. The back shall overlap the fourchette in the finished glove.	301	LSa-1	10-12	B	A
6.	<u>Closing.</u> a. The glove shall be closed starting at the cuff for the left hand, and at the index finger for the right hand. Join the back of glove with fourchettes to palm, grain sides together. Stitch around fingers catching the center of the straight side of fourchette at the base of fingers and stitch along side of glove.  b. Trim ends of fourchette to match proper seam allowances and to remove excessive material in the finger tip area.  c. The contractor shall inspect the gloves to ensure that the seams are constructed in accordance with requirements and that thread ends are trimmed and loose threads are removed from the gloves. Turn shell to finished position.	301	SSa-1	10-12	B	A



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TABLE I - CONSTRUCTION OF GLOVES

NO.	OPERATION	STCH TYPE	SEAM/ STCH TYPE	STCH IN	THREAD	
					NDL BOB/ LPR	
7.	<u>Shelling.</u> The shell of the glove shall be layed off and formed to proper shape on steam or electrically heated boards. The boards shall be properly sized to match the glove size.					
8.	<u>Assemble liner.</u> All lining parts shall be cut with length of pattern in the wale direction of the knit fabric. Napped side of the fabric shall face the wearer's hand on the finished liner. All seam allowances shall face the inside of the shell and away from the hand as worn.					
	a. With face sides together, close thumb liner.	401	SSa-1	14-16	3,0	C
	b. Position the closed thumb liner seam at the top of the gouge and stitch thumb to palm.	401	SSa-1	14-16	0	0
	c. Close the glove liner by joining face sides of back to fronts at each finger and along side seam starting at the cuff for the left hand and at the index finger for the right hand.	401	SSa-1	14-16	0	0
	NOTE: Care shall be taken in forming crotch for each finger and shall be achieved by stopping at the base of each finger, turning the liner, taking two stitches at base, and resuming stitching of the other side.					
9.	<u>Assemble shell and liner.</u> a. Insert liner evenly within the shell without excessive bulkiness in any area.					

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TABLE I - CONSTRUCTION OF GLOVES

NO.	OPERATION	STCH TYPE	SEAM/ STCH TYPE	STCH IN	THREAD	
					NDL BOB/ LPR	
	b. Stitch the liner finger tips to the shell finger tips over or into existing stitches at the finger tips, with not less than 4 to 6 stitches per finger. The chain portion of the stitching shall be on the inside of the glove.	401	SSv-1		B	A
	NOTE: To achieve this seam type, Singer Model No. 91K5 or 91K6 or equal is required (see 6.8).					
10.	<u>Hem and attach label.</u> a. The top edge of the shell at glove opening shall be turned in, over the liner 3/8 to 1/2 inch, with the label - (see 3.4) inserted between the shell overlap and liner at center back of each glove.  b. Stitch around top opening 5/16 to 7/16 inch from folded edge. The label shall finish face side up with printing clearly visible.	301	SSbc-1	10-12	B	A
11.	<u>Pressing and forming.</u> The gloves shall be dampened, layed off and formed on steam or electrically heated boards to provide proper shape and appearance. The board shall be properly sized to match the glove size.					
12.	<u>Pairing.</u> The glove shall be matched, paired, placed palm to palm and tacked, within the one inch square area bordering the side seam and the top of the hem. Tacking shall be done with not less than two stitches, using a suitable ply cotton thread which will permit the gloves to be separated without tearing the leather.					

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3.10 Measurements. The finished glove shall conform to the dimensions specified in Table II. All measurements and tolerances are expressed in inches. All measurements shall be taken without distorting the finished glove.

Table II - Finished measurements

Size	Overall Length (A)	Thumb Length (B)	Width (C)
1	9-3/4	2-3/8	3-3/8
1C	9-1/2	2-1/8	3-3/8
2	9-7/8	2-1/2	3-1/2
2C	9-5/8	2-1/4	3-1/2
3	10-1/4	2-5/8	3-3/4
3C	9-7/8	2-1/8	3-3/4
4	9-5/8	2-3/8	4
4C	9-3/8	2-1/8	4
5	10	2-1/2	4-1/8
5C	9-3/4	2-3/8	4-1/8
6	10-1/4	2-5/8	4-1/4
6C	10	2-5/8	4-1/4
7	10-1/2	2-3/4	4-1/2
7C	10-1/4	2-1/2	4-1/2
8	10-3/4	2-7/8	4-5/8
9	11	3	4-3/4
10	11-1/4	3-1/8	4-7/8
Tolerance:	+ 1/4	+ 1/8	+ 3/16

NOTE: Refer to Figure 1 for A, B, and C measurements.

A. Overall length. Measurement is taken from the tip of middle finger to the top edge of glove opening.

B. Thumb length. Measurement is taken from the quirk to the tip of thumb.

C. Width. Measurement is taken on the palm side, 1/4 inch below crotch of middle and third finger.

\* 3.11 Workmanship. The finished gloves shall conform to the quality established by this specification. The occurrence of defects shall not exceed the applicable point value specified in MIL-STD-1613.

#### 4. QUALITY ASSURANCE PROVISIONS

4.1 Responsibility for inspection. Unless otherwise specified in the contract, the contractor is responsible for the performance of all inspection requirements as specified herein. Except as otherwise specified in the contract or order, the contractor may use his own or any other facilities suitable for 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 the specification where such inspections are deemed necessary to assure supplies and services conform to prescribed requirements.

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\* 4.1.1 Responsibility for compliance. All items must 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 assuring that all products or supplies submitted to the Government for acceptance comply with all requirements of the contract. Sampling in quality conformance does not authorize submission of known defective material, either indicated or actual, nor does it commit the Government to acceptance of defective material.

4.1.2 Certificate of compliance. Where certificates of compliance are submitted, the Government reserves the right to check test such items to determine the validity of the certification.

\* 4.2 Classification of inspection. The inspection requirements specified herein are classified as follows:

1. First article inspection (see 4.3).
2. Quality conformance inspection (see 4.4).

4.3 First article inspection. The first article submitted in accordance with 3.2, shall be inspected for compliance with design, construction, workmanship, appearance, and dimensional requirements.

4.4 Quality conformance inspection. Sampling for inspection shall be performed in accordance with MIL-STD-105, except where otherwise indicated.

4.4.1 Component and material inspection. In accordance with 4.1 above, components and materials shall be tested in accordance with all the requirements of referenced specifications, drawings, and standards unless otherwise excluded, amended, modified, or qualified in this specification or applicable procurement documents. In addition to testing provisions combined in subsidiary specifications, drawings or standards, testing shall be performed on components listed in Table III for characteristics noted. Unless otherwise indicated, testing shall be conducted in accordance with FED-STD-191. All test reports shall contain the individual values used in expressing the final result. The sample unit of the cloth shall be one continuous yard, full width. The lot shall be unacceptable if one or more sample units fail to meet any of the test requirements specified. The lot size and sample size shall be in accordance with the following:

<u>Lot size</u>	<u>Sample size</u>
800 or less	2
801 to 22,000 inclusive	3
22,001 and over	5

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Table III - Component testing

Component	Characteristic	Requirement paragraph	Test method
Leather	Developed dye	3.3.1,1	<u>1</u> /
Cloth, poly/wool knit (liner)	Material identification	3.3.2	<u>1</u> /
	Type of knit	3.3.2	Visual <u>1</u> /
	Weight	3.3.2	5041
	Wales per inch	3.3.2	5070
	Courses per inch	3.3.2	5070
	Color	3.3.2	Visual <u>1</u> /

1/ Unless otherwise specified, a certificate of compliance is required and will be accepted for the stated requirement.

4.4.2 In-process inspection. Inspection shall be made at any point during any phase of the manufacturing process to determine whether operations or assemblies are performed as specified. The Government reserves the right to exclude from consideration for acceptance any material or service in which in-process inspection has indicated non-conformance.

\* 4.4.2.1 Examination of liner assembly. The liner assembly shall be examined as specified in MIL-STD-1613, before being inserted into the shell of the glove.

\* 4.4.2.2 Intermediate examination of shell. The shell shall be examined in accordance with MIL-STD-1613. All defects applicable to V and VI of Table IV shall be penalized. The sample size shall be based on lot size and acceptance values for 3 and 2 point defects or total (3, 2, and 1 point) defects shall be as specified in Table II. The sample unit shall be one completely fabricated shell. The lot shall be unacceptable if the point values exceed the applicable maximum cited in Table II.

4.4.3 Examination of the end item. The end item examination of the finished gloves shall be as specified in MIL-STD-1613 and in conjunction with the guide sample (see 3.1 and 6.3). The sample reflects the minimum level of acceptability and shall be used when evaluating the following: wrinkles, gauge of stitching, seam allowance, shape of fingers and thumb, or finish resulting from laying off of gloves. Defects shall be classified as 2-points when the severity is greater than the condition in the guide sample. In addition, any sample unit that does not meet the overall finished appearance depicted by the guide sample shall be scored as a 3-point defect.

\* 4.4.4 Dimensional examination. The dimensional examination of the finished gloves shall be as specified in MIL-STD-1613.

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**4.4.5 Examination of packaging requirements.** An examination shall be made to determine that packaging, packing, and marking comply with Section 5 requirements of this specification. Defects shall be scored in accordance with the list below. The sample unit shall be one shipping container fully prepared for delivery with the exception that it need not be closed. Defects of closure listed below shall be examined on shipping containers fully prepared for delivery. The lot size shall be on the number of shipping containers in the end item inspection lot. The inspection level shall be S-2 and the AQL shall be 2.5 defects per hundred units.

<u>Examine</u>	<u>Defect</u>
Marking (exterior and interior)	Omitted, incorrect, illegible, of improper size, location, sequence, or method of application.
Materials	Any component missing, damaged, or not as specified.
Workmanship	Inadequate application of components, such as: incomplete closure of container flaps, loose strapping, improper taping, inadequate stapling, bulged or distorted container.
Content	Number of items per shipping container is more or less than required. Size shown on one or more items not as specified on shipping container. <u>1/</u>

1/ For this defect, one item from each shipping container in sample shall be examined.

\* **4.4.6 Palletization examination.** An examination shall be made to determine that the palletization complies with the section 5 requirements. Defects shall be scored in accordance with the list below. The sample unit shall be one palletized unit load fully packaged. The lot size shall be the number of palletized unit loads in the end item inspected lot. The inspection level shall be S-1 and the AQL, expressed in terms of defects per hundred units, shall be 6.5 in accordance with MIL-STD-105.

<u>Examine</u>	<u>Defect</u>
Finished dimensions	Length, width, or height exceeds specified maximum requirements.
Palletization	Pallet pattern not as specified. Interlocking of loads not as specified. Load not bonded with required straps as specified.
Weight	Exceeds maximum load limits.
Marking	Omitted, incorrect, illegible, of improper size, location, sequence, or method of application.

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## 5. PACKAGING

5.1 Preservation-packaging. Packaging shall be level A or C as specified (see 6.2).

\* 5.1.1 Level A. Ten (10) pairs of properly mated gloves of one size only, shall be neatly stacked in a bundle with every other pair reversed fingertip to cuff. Each bundle shall be loosely bound around the center with any suitable commercial grade kraft paper. The ends of the paper wrapper shall be either pinned, pasted, or secured with gummed paper tape (1 inch minimum width), or pressure sensitive tape.

5.1.2 Level C. Gloves shall be packaged to afford adequate protection against physical damage during shipment from the contractor to the first receiving authority. The package and the quantity per package shall be the same as that normally used by the contractor for retail distribution.

5.2 Packing. Packing shall be level A, B, or C as specified (see 6.2).

5.2.1 Level A. Thirty (30) pairs of gloves, of one size only, packaged as specified in 5.1.1, shall be packed in a fiberboard shipping container assembled, closed, and reinforced conforming to type CF, class weather resistant, grade V15c, variety DW, size 1A, of MIL-B-17757. Level A packages shall be packed flat, three in length, one in width, and one in depth within the shipping container. Two ounces of flaked naphthalene conforming to class B of R-N-91 shall be evenly distributed throughout the pack. Each container shall have the contents completely covered on the top and bottom with a sheet of 30 pound minimum basis weight kraft paper, of any suitable commercial grade. Toward the end of the contract or order, or when there is less than the required amount per container of the same size, mixed sizes may be packed within the same shipping container.

5.2.2 Level B. Thirty (30) pairs of gloves, of one size only, packaged as specified in 5.1.1, shall be packed in a fiberboard shipping container assembled, closed, and reinforced conforming to type CF, class domestic, variety DW, grade 200, size 1A of MIL-B-17757. Level A packages shall be packed flat, three in length, one in width, and one in depth within the shipping container. Two ounces of flaked naphthalene conforming to class 3 of R-N-91 shall be evenly distributed throughout the pack. Each container shall have the contents completely covered on the top and bottom with a sheet of 30 pound minimum basis weight kraft paper, of any suitable commercial grade. Toward the end of the contract or order, or when there is less than the required amount per container of the same size, mixed sizes may be packed within the same shipping container.

5.2.3 Level C. Item packaged, as specified in 5.1, shall be packed in a manner to insure carrier acceptance and safe delivery at destination at the lowest transportation rate for such supplies. The quantity per shipping container shall be the same as that normally used by the contractor for retail distribution. Containers shall comply with the US Postal Service Manual, Uniform Freight Classification Rules or National Motor Freight Classification Rules, as applicable.



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5.3 Marking. In addition to any special marking required by the contract or order, interior packages and shipping containers shall be marked in accordance with MIL-STD-129.

\* 5.3.1 Labels, mixed NSN'S. Each shipping container, packed with mixed sizes only, shall have securely attached to the end and side, directly under the printing or stenciling, a white paper label 4 by 5 inches with the words "Mixed NSN'S" plainly stamped or printed thereon and under these words shall be legibly stamped or printed the correct quantity of NSN'S contained therein.

\* 5.4 Palletization. When specified (see 6.2) item packed as specified shall be palletized on a 4-way entry pallet in accordance with load type Ia of MIL-STD-147. Each prepared load shall be bonded with primary and secondary straps in accordance with bonding means C, K, and L or O or P. Pallet pattern shall be in accordance with the appendix of MIL-STD-147.

The pallet shall be 4-way, Type IV; Type V, Class 1, Size 2; or Type VIII, fabricated from wood group I, II, III or IV, Grade A of NN-P-71, or 4-way, Style 1, Size A, Type I, Class 1, fabricated from wood groups specified of MIL-P-15011. Interlocking of loads shall be effected by reversing the pattern of each course. If the container is of a size which does not conform to any of the patterns specified in MIL-STD-147, the pallet pattern used shall be approved by the contracting officer.

## 6. NOTES

6.1 Intended use. The gloves covered by this specification are intended to be worn by male and female enlisted personnel as a dress or semi-dress glove.

\* 6.2 Ordering data. Procurement documents should specify the following:

- a. Title, number, and date of this specification
- b. Size required (see 1.2)
- c. When first article sample is required, (see 3.2) the item will be tested and should be a first article sample. The contracting officer should include specific instructions in acquisition documents regarding arrangements for examinations, quality, and approval of the first article.
- d. Selection of applicable levels of packaging and packing (see 5.1 and 5.2).
- e. When palletization is required (see 5.2.4).

6.3 Samples and patterns. For access to samples and patterns, address the procuring activity issuing the invitation for bids.

6.4 Trank leather. A trank for the purpose of this specification is the large rectangular leather piece from which the gloves parts are cut.

6.5 Developed-dyed leather. A developed-dyed leather is a skin whose color is obtained by the application of a dye, subsequent application of a suitable nitrite, followed by a developer.



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6.6 Size grade. (See 1.2).

1. Cadet sizes have shorter fingers.

2. All sizes are "Unisex", however, sizes 1 through 3C are graded to accommodate the greatest percentile of women and sizes 4 through 10 are graded to accommodate the greatest percentile of men.

\* 6.7 Recycled material. It is encouraged that recycled material be used when practical as long as it meets the requirements of this specification.\* 6.8 Term "or equal". Prior to the use of an "or equal" (see operation 9b), the contractor shall submit for approval information about the proposed style machine with supporting data to the contracting officer.\* 6.9 Changes from previous issue. The margins of this specification are marked with an asterisk to indicate where changes (additions, modifications, corrections, deletions) from the previous issue were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the last previous issue.6.10 Subject term (key word) listing.

Bolton thumb  
 Fourchette  
 Glove, dress and semi-dress  
 Leather  
 Liner, knitted

## Custodian:

Army - GL  
 Air Force - 11  
 Navy - NU

## Preparing Activity:

Navy - NU

## Review Activity:

Air Force - 82, 99  
 DLA-CT  
 Navy - MC

Project No. 8440-0171

## User Activity:

Air Force - 45  
 Navy - CG  
 DLA - CT

MIL-G-24909A

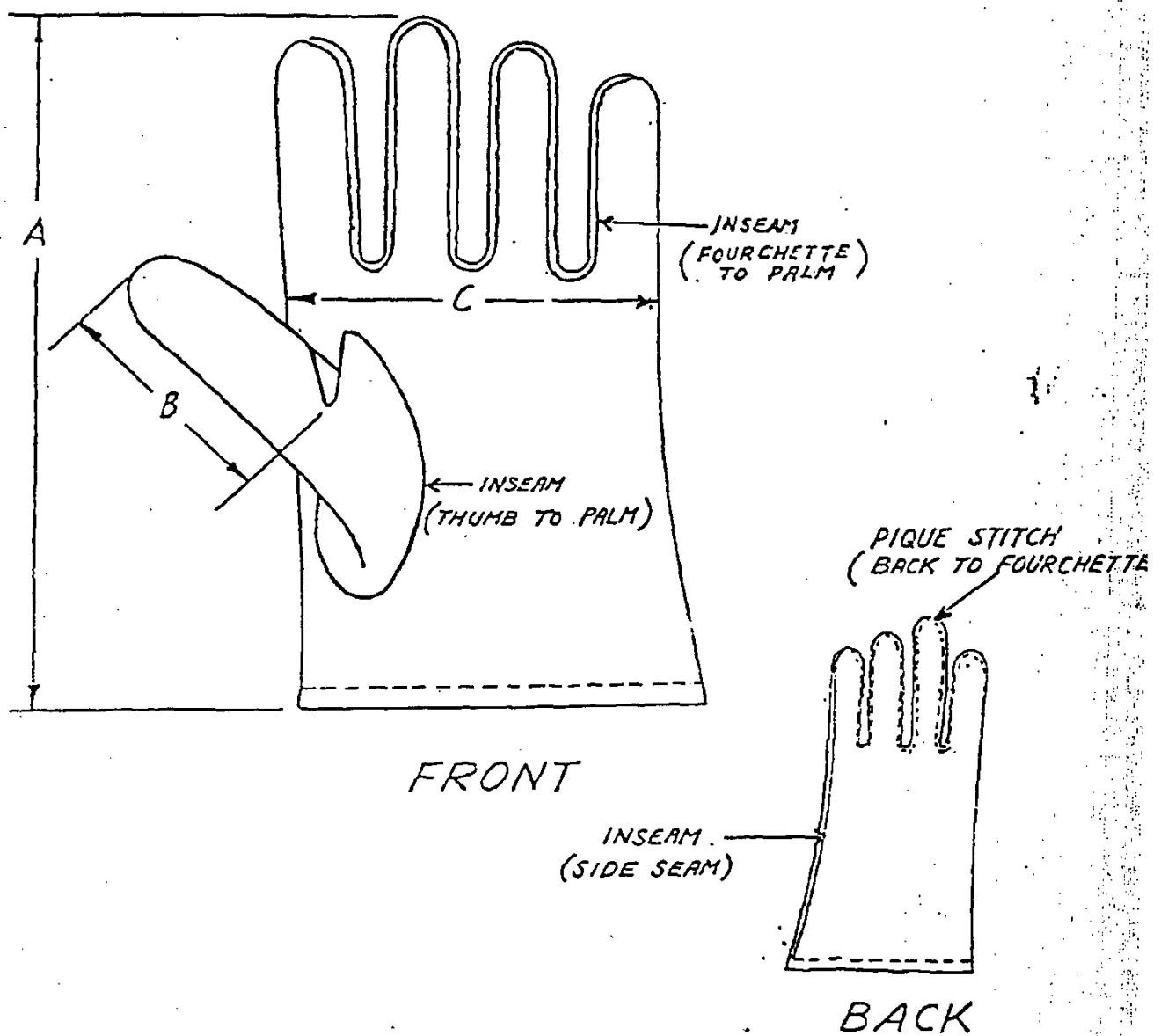


FIGURE 1

GLOVES, MEN'S AND WOMEN'S