

MIL-M-27529B(USAF)
16 October 1973

SUPERSEDING
MIL-M-27529A(USAF)
5 March 1971

MILITARY SPECIFICATION

MITTENS, EXTREME COLD WEATHER SURVIVAL, SRU-10/P

1. SCOPE

1.1 Scope. This specification covers the requirements for down-filled, extreme cold weather survival mittens.

1.2 Classification. The mittens shall be of one type and one size and shall be of the following classes, as specified (6.2)

Class 1 - Sage green (3.1.1.1)
Class 2 - Indian orange (3.1.1.1)

2. APPLICABLE DOCUMENTS

- * 2.1 The following documents of the issue in effect on date of invitation for bids or request for proposal form a part of the specification to the extent specified herein.

SPECIFICATIONS

Federal

C-F-160	Feathers, Waterfowl And Down, Waterfowl
B-T-295	Thread, Nylon
KK-L-168	Leather, Deerskin, Chrome Tanned, For Gloves, Garments, And Equipage
DDD-L-20	Labels For Clothing, Equipage And Tentage (General Use)
PPP-B-636	Box, Fiberboard
PPP-F-320	Fiberboard, Corrugated And Solid, Sheet Stock (Container Grade), And Cut Shapes

Military

MIL-W-5664	Webbing, Textile, Elastic, Cotton
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STANDARDS

Federal

FED-STD-191	Textile Test Methods
FED-STD-311	Leather, Methods Of Sampling And Testing
FED-STD-751	Stitches, Seams, And Stitchings

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Military

MIL-STD-105

Sampling Procedures And Tables For
Inspection By Attributes

MIL-STD-129

Marking For Shipment And Storage

DRAWINGS

Air Force

61F4025

Patterns, Extreme Cold Weather Survival,
Mittens

(Copies of specifications, standards, drawings, and publications required by suppliers in connection with specific procurement functions should be obtained from the procuring activity or as directed by the contracting officer.)

3. REQUIREMENTS

3.1 Materials.

- * 3.1.1 Outer shell and inner shell. The material for the inner and outer shells shall be rip-stop nylon cloth. The fabric shall be woven from 30 denier filament nylon in the warp and 60 denier filament nylon in the filling. The basic weave of the fabric shall be plain weave. The warp shall have 18 ends in each repeat with 14 ends weaving plain and 4 ends weaving as two. The fabric shall be heat set, heavily calendered, and treated for water repellency. Nondurable types of water repellents, such as wax or aluminum or zirconium soaps, shall not be used. Finishing agents shall be nontoxic. The finished material shall meet the requirements specified in Table I, when tested as specified in 4.2.1.

3.1.1.1 Color. The color of the finished material used for the inner shell and the outer shell shall be UCAF sage green color shade No. 1511 for class 1 and Indian orange (Color Card Association Cable Number 70072) for class 2.

3.1.1.1.1 Colorfastness. The colorfastness rating of the dyed material to light at the end of 10 hours exposure shall be good when tested as specified in Table IV.

- * 3.1.1.1.2 Matching. The color shall match the standard sample under natural (north sky) daylight or artificial daylight having a color temperature of 7500 degrees Kelvin and shall be a good approximation to the standard sample under incandescent lamplight at 2900 degrees Kelvin. (See 6.3)

3.1.2 Elastic webbing. The elastic webbing used for wrist take-up shall conform to class I, 1/2 inch wide of MIL-W-2004, natural color.

3.1.3 Leather. The leather for the palm, the thumb and the forefinger shall be full grain soft flexible deerskin leather conforming to type I, class 2 of KK-L-168 except for finish stability, colorfastness to crocking, staining, cracking, and elongation.

3.1.3.1 Thickness. The thickness of the leather for the palm, thumb, and forefinger shall be not less than 2 ounces nor more than 3 ounces.

TABLE I

PHYSICAL AND CHEMICAL REQUIREMENTS OF THE FINISHED MATERIAL

Characteristic	Requirement
Weight, oz/sq yard	1.6 ±0.1
Thread count, inch	
Warp	150 minimum
Filling	100 minimum
Breaking strength, pounds	
Warp	65 minimum
Filling	60 minimum
Tear strength, pounds	
Warp	2.5 minimum
Filling	2.5 minimum
Air permeability, cu ft/min/sq ft @ 1/2 inch water pressure differential	3.5 maximum
Water repellency	
Hydrostatic pressure, cm	60 minimum
Spray rating	90 minimum
Nonfibrous materials, percent	2.0 maximum
pH	5.5 - 8.5
Residual shrinkage, percent	
Warp	2.0 maximum
Filling	2.0 maximum
Weave	as specified (3.1.1)

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3.1.3.2 Leather color. The color of the leather shall be natural pearl chrome.

3.1.3.3 Stiffness. Not less than 80 percent of the leather specimens, when tested as specified in 4.2.1.4, shall each have a load scale reading before and after soaking of not more than those specified below

<u>Stiffness test</u>	<u>Load scale reading</u>
Before soaking	10
After soaking	13

3.1.4 Down. The filling for the mitten shall be down conforming to type II, class 2, grade A of C-F-160.

3.1.5 Thread. The thread for all sewing operations shall conform to type I, class I, size B of V-T-295. The color shall approximate the color of the basic material.

3.2 Design. The mitten shall consist of an outer shell and inner shell of water-repellent-treated, lightweight, nylon material and a palm pocket insulated with down. The palm including the thumb and forefinger, shall be reinforced with leather. Elastic webbing shall be sewn across the back of the wrist to assure a snug fit.

3.3 Construction. The mittens shall be constructed in accordance with Table II, but the manufacturer is not required to follow the exact sequence of operations as listed therein.

3.3.1 Stitches, seams, and stitchings. Unless otherwise specified in Table II, stitches, seams, and stitchings shall conform to FED-STD-751. Whenever two or more methods, seams, or stitches are specified for the same operation, any one of them may be used.

3.3.1.1 Stitches per inch. The range of stitches per inch specified in Table II shall be interpreted to mean the minimum and maximum number permitted.

3.3.1.2 Ends of stitches. Unless caught in other seams or stitchings, all ends of stitchings shall be securely backstitched with a continuous stitch for not less than 1/2 inch. All thread ends shall be trimmed.

3.3.1.3 Thread breaks. Thread breaks shall be backstitched not less than 1/2 inch.

3.4 Patterns. The dies or patterns for cutting all parts of the mittens shall be furnished by the contractor and shall be of the proper proportions to provide good fitting. The manufacturer's working patterns shall be identical in size and shape to the patterns shown on Drawing 61F4025. The working patterns shall be duplicates of the Government patterns which show size, directional lines, and notches for proper assembly of all parts.

3.5 Identification of product. Each mitten shall be marked for identification in accordance with DDP-L-20, type IV, class I. The marking shall be on the inside of the mitten, centered in the rear, commencing approximately 1 inch from the edge of the gauntlet. The marking shall contain the following information

TABLE II - SEWING OPERATIONS

No.	Description of Operation	Stitch Type	Seam and Stitching Type	Stitches Per Inch
1.	CUTTING. All component parts of the mittens shall be cut in strict accordance with the patterns which show directional lines, shape and notches for proper assembling of all parts.			
2	SHADE MARKINGS. All parts shall be marked to insure a uniform shade throughout the mittens. Metal fastening device or sewn-on tickets for shade markings shall not be used. Adhesive tickets may be used provided that the adhesive shall not discolor the material and that the adhesive mass shall not adhere to the material after removal of the ticket.			
3.	TRIGGER FINGER. Join the leather trigger finger to the leather palm, grain sides together, with a single row of stitching, 1/8 inch from the edge.	301	SSa-1	8-10
4	WRIST POCKET. Fold pocket on fold line and serge or overedge the edges together on both sides.	503	FSa-1	10-12
5.	PALM POCKET. Join the palm pocket shells at the wrist for approximately 1-1/2 inches with a single row of stitching 1/16 inch from edge on each end. Turn in 3/8 inch.	301	SSc-1	10-12
6	a. Except for the wrist area serge or overedge the shell edges together all around	503	SSa-1	10-12
7	INNER BACK. Shirr a 5-1/2 inch piece of elastic to the inside of inner back, at the wrist notch marks, with a double row of stitching, 1/8 inch from each edge.	301	SSau-2	10-12
7	Join inner and outer backs. Serge or overedge the inner and outer backs together with the elastic to the inside. Leave open at wrist for down filling. Shirr outer shell with small tucks around palm and thumb.	503	SSa-1	10-12
8.	Join the wrist pocket to the leather palm at the notches with a single row of stitching 1/16 inch from the folded edge. Turn folded corner in on one edge approximately 1/4 inch to match width of leather palm at notches.	301	SSa-1	8-10

TABLE II - SEWING OPERATIONS (Cont'd)

	Description of Operation	Stitch Type	Sear and Stitching Type	Stitches Per Inch
10	<p>10.1.1. Position the leather pair, flesh side up, on the work surface. Position the pair pocket on the edge of the leather pair or the notches. With the wrist edge of the leather pair 1/4 inch inside of the back pocket wrist edge, join the two pockets, pair pocket, wrist pocket and the leather pair with a single row of stitching, 1/4 inch from edge. Turn right side out.</p>	301	SSA-1	8-10
11	<p>11.1.1. Fold the pair or include repair the weight of the unfilled back pocket. Turn with flesh to the back pocket, the pair pocket, and the wrist pocket. The total weight of the filling shall be 2.0 ounces, plus or minus 1/16 ounce. The filling shall be distributed so that the proportion of foam in the back pocket shall be approximately 70 percent of the total material weight. The balance of the filling, approximately 1/4 ounce, shall be the foam and the wrist pockets.</p> <p>11.1.2. Turn the pair and close with a single row of stitching along the edge of the wrist pocket, approximately 1-1/8 inch seam on the inside of the pair (see operation 5).</p> <p>11.1.3. Turn the pair to right of collar position on the right tag. The pair shall be turned to remove the right tag.</p>	301	SSA-1	10-12
12	<p>12.1.1. Turn the pair to right of collar position on the right tag. The pair shall be turned to remove the right tag.</p> <p>12.1.2. Turn the pair to right of collar position on the right tag. The pair shall be turned to remove the right tag.</p>	301 301	NIF 3a NIF 3b	10-12 10-12
13	<p>13.1.1. The tolerance for dimensions under 1/2 inch shall be plus 1/16, minus 0 inch, and the tolerance for dimensions 1/2 inch and over shall be plus or minus 1/16 inch.</p>			

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 Order No. *
 Stock No. *
 Manufacturer's Name or Trademark *
 U. S.

* The manufacturer shall insert the applicable information.

3.5.1 Content label. Each mitten shall contain a content label conforming to state requirements for marking garments containing down or feathers.

3.5.2 Finished measurements. Finished measurements shall conform to Table III.

TABLE III

Finished Measurements (Inches)

Measurements ^{1/}	Tolerance	
	Plus	Minus
Overall length 12-1/4	1/4	1/4
Width of gauntlet cuff 5-3/4	1/4	1/4

1/ NOTES

- Overall length shall be measured along a line parallel to the thumb-side seam from the outer cuff edge to the outermost portion of the leather fingertip area.
- The width of the gauntlet cuff shall be measured from folded side to folded side, with the glove flattened, and along the outer edge of cuff.
- All measurements shall be made with the leather palm facing up.

3.6 Workmanship. The finished mittens shall be clean and well made, shall have thread ends trimmed, and shall be free from any defects that might affect appearance or serviceability.

4. QUALITY ASSUPANCE PROVISIONS.

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

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

4.2 Inspection. Sampling for inspection shall be performed in accordance with MIL-STD-105, except where otherwise indicated herein

- * 4.2.1 Component and material testing. Components 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 purchase document. In addition, testing shall be performed on the basic fabric listed in Table IV for characteristics noted. The methods of testing specified in FED-STD-191, wherever applicable, and as listed in Table IV shall be followed. Testing shall also be performed on the component listed in Table V for the characteristic shown. Where the "determinations per samples unit" or "results reported as" are not specified, they shall be as indicated in the applicable test method. All requirements are applicable to the sample unit. All test reports shall contain the individual values used in expressing the final results.

TABLE IV - Testing of Basic Fabrics

Characteristic	Test Method
Weight	5041
Thread count	5050
Breaking strength	5100
Tearing strength	5134
Air permeability	5450
Hydrostatic pressure	5514
Spray rating	5526
Residual shrinkage	5552
ph	2811
Colorfastness to light <u>1/</u>	5660
Nonfibrous material	2611
Weave	Visual <u>2/</u>
Material identification	1530 <u>3/</u>
Finishing agent (durability and toxicity)	<u>3/</u>

1/ Exposure time - 10 hours

2/ One determination shall be made on each sample unit and the result reported as "pass" or "fail."

3/ Unless otherwise specified, a certificate of compliance shall be acceptable for the stated requirements

TABLE V - Leather Testing

Component & Lot Size Expressed in Terms of	Characteristic	Requirement Paragraph	Test Method
Leather (one skin)	Thickness	3.1.3.1	1011*
	Color	3.1.3.2	Visual
	Stiffness	3.1.3.3	4 2.1.4

*FED-STD-311

4.2.1.1 Sampling for testing of fabrics. Unless otherwise specified in a subsidiary specification, the sampling for testing of fabrics shall be in accordance with Table VI. The lot shall be unacceptable if one or more sample units fail to meet any test requirements specified. The lot size shall be expressed in yards. The sample unit for the basic fabric shall be 3-1/2 yards full width.

TABLE VI - Sample Size

Lot Size	Sample Size
800 or less	2
801 to 22,000 inclusive	3
22,001 and up	5

* 4.2.1.2 Sampling for testing of leather. Unless otherwise specified, the sampling procedure and location from which the leather sample unit is to be obtained shall be in accordance with the sampling of nonfabricated leather as defined in sampling and acceptance procedures of FLD-STD-311. The lot shall be rejected if any one of the following conditions exist

a. More than 3 of the test specimens fail to meet the specified requirements for stiffness.

b. More than one test failure occurs for any of the remaining requirements applicable to the sample unit.

* 4.2.1.3 Sampling for testing of other components. Unless otherwise specified in a subsidiary specification, sampling for testing of other components shall be in accordance with inspection level S-1 and an AQL of 6.5 defects per 100 units. Sample units shall be one (1) pound of down, one (1) set snap fasteners and one (1) each label unless otherwise specified.

4.2.1.4 Leather stiffness testing.

* 4.2.1.4.1 Before soaking. The specimen shall be 3 by 4 inches, cut with the long dimension perpendicular to the backbone. The specimen shall be folded in half, grain side out, to form a rectangle 3 by 2 inches (crease parallel to backbone), then carefully folded in half again to form a rectangle approximately 3 by 1 inches, 4 layers thick. The folded specimen shall be secured

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with the staples across the width, 1/4 inch from each end. The ends shall be gripped between thumb and forefinger and the specimens shall be twisted torquewise 40 times back and forth approximating an angle of 180 degrees in each direction. One end of the specimen shall then be fastened in the vise of the tester in such a way that the cut edges on the upper side, 2 inches from the vise. The stiffness of the specimen shall be determined as specified in Method 4211 of FED-STD-311 by bending the specimen 20 degrees using a 1-inch span and a total moment weight equivalent to 0.5 inch pounds. The results shall be recorded in terms of the load scale reading.

- * 4.2.1.4.2 After soaking. The folded and stapled specimens which pass the requirement applicable to 4.2.1.4.1 shall then be immersed in distilled water of 140° ±5° Fahrenheit (F) (60° ±3° Centigrade (C)) for 20 ±2 hours. One liter of water shall be used for 15 specimens. Complete immersion of the specimens shall be accomplished by placing a floating cover on the vessel used for the immersion. The specimen shall be removed, air dried and conditioned for 72 hours in the standard atmosphere as defined in FED-STD-311, and tested for stiffness in folded and stapled condition in accordance with the preparation and test method described in 4.2.1.4.1.

4.2.2 Intermediate inspection. Inspection of the unfilled mittens shall be made to verify the weight of the casings recorded by the supplier on the tag attached to each mitten. This inspection shall be performed prior to filling the mitten with down. The sample unit for these examinations shall be one unfilled mitten. The defects found during these examinations shall be in accordance with 4.2 2.1.

4.2.2.1 Examination for weight of unfilled casing.

Examine	Defect	Classification	
		Major	Minor
NOTE	Utmost care shall be taken to see that scales used to perform this examination are properly calibrated and accurate.		
Weight	In excess of weight indicated on tag -by 1/16 ounce or less -by more than 1/16 ounce		X

4.2.3 Examination of end items. The sample unit shall be one complete mitten. The lot size shall be expressed in units of one mitten.

4.2.3.1 Classification of defects. Defects shall be classified in accordance with the lists in 4.2.2.2 and 4.2.3.3.

- * 4.2.3.2 Defects. Defects shall be classified as follows

Defects	Classification		
	Major	Minor	
		A	B
1. Material Defects and Workmanship Damages			
a. Any smash, multiple float, loose slub, broken or missing yarn	Y		
b. Shade bars, slubs, dye or finishing streaks		Y	
c. Hole, scissor or knife cut, tear, mend, patch, burn or a needle chew.	Y		
d. Ruptured fibers in the line of sewing (usually caused by broken, blunt, or hooked needles).		Y	
2. Shaded Parts			
a. Any outside part shaded.	Y		
3. Cleanness			
a. Spots or stains of a permanent nature	Y		
b. Removable spot or stain, clearly noticeable		Y	
c. Thread ends not trimmed or loose threads not removed.			Y
d. One or more shade tickets not removed.			Y
e. Shade marking of an obvious permanent nature exposed or visible on outside of mittens (score only when conspicuously located so that it is clearly noticeable).		Y	
4. Component and Assembly			
a. Unless otherwise specified herein, any component part or required operation omitted.	Y		
b. Any component part not as specified.	Y		
5. Seams and Stitching			
a. Accuracy of sewing.			
(1) Part of mittens caught in any unrelated operation or stitching.	Y		
(2) Unless specifically classified otherwise, seams twisted, puckered, or pleated.			Y

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Defects	Classification		
	Major	Minor	
		A	B
(3) Thread break(s) or end(s) of stitching (stitch type 301) not backstitched when not caught in other seams or stitching			Y
(4) Thread(s) not same shade or not satisfactorily matching shade of mittens		Y	
b. Unevenly gaged stitching (edge, top, or raise stitching) not within required range, or varies more than 1/16 inch when no range is specified.			Y
c. Open seams. Except on edge or raise stitching, a break in a line of stitching or continuously skipped or run-off stitches constitute an open seam.			
(1) Any open seam (on seams that would allow escape of down from mittens).	Y		
(2) On all other seams including edge stitching. -1/4 inch or less -over 1/4 inch to and including 1/2 inch -over 1/2 inch	X	Y	Y
d. Stitches skipped or broken on raise or edge stitching when seam is seared, turned, and stitched. -1/4 inch to and including 3/4 inch -over 3/4 inch		Y	Y
e. Raw edges. Raw edges not securely caught in stitching shall be classified as an open seam. -1/2 inch to and including 1 inch -over 1 inch		Y	Y
f. Run-offs			
(1) On joining seams, when resulting in an open seam, score as an open seam.	Y		
(2) On raised or topstitching when not resulting in an open seam (outside only). -1/2 to 1 inch inclusive -over 1 inch		Y	Y
g. Seam and stitch types not as specified.		Y	

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Defects	Classification		
	Major	Minor	
		A	B
<p>h. Stitch tension. Puckering is evidence of tight tension. When puckering is evident, seam shall be tested by exerting normal pull in lengthwise direction of seam.</p> <p>(1) Loose tension resulting in a loose seam.</p> <p>(2) Loose tension on raised or edge stitching, resulting in a loosely exposed loops of lower or top thread.</p> <p>(3) Tight tension, i.e., stitches break when normal strain is applied, classify as an open seam.</p> <p>1. Stitches per inch. To be scored only when the condition occurs on the major portion of seam.</p> <p>(1) Less than minimum specified -one stitch -two stitches -three or more stitches</p> <p>(2) Any number of stitches in excess of maximum specified.</p> <p>6. Elastic Tape</p> <p>a. Sewn with one row of stitching</p> <p>b. Not located to the inside of inner back as specified</p> <p>7. Serge or Overedge Stitching.</p> <p>a. Omitted on edges of one or more pockets</p> <p>8. Labels (identification markings and content).</p> <p>a. Missing, incorrect or illegible</p> <p>b. Not located as specified</p> <p>9. Leather</p> <p>a. Not full grain</p> <p>b. Open or badly healed scratch, slaughter or grain cut hole</p> <p>c. Prominent seam or insect damage</p> <p>d. Stained or soiled with any foreign matter</p>	X		
		Y	
		Y	
	X	X	Y
			X
		Y	
		Y	
		Y	
	Y		
		Y	
	Y		
	Y		
	Y		

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4.2.3.3 Examination for weight and dimensions of filled mittens.

Examine	Defect	Classification	
		Major	Minor
Filled mitten for required weight of down	More than 1/16 ounce under the total weight of required down.	Y	
	1/16 ounce or less under the total weight of required down.		X
Finished measurements	Any finished measurement and tolerance deviating from the nominal measurements and tolerances specified in Table III.	X	

NOTE The weight of down shall be as specified.

To determine weight of mixture blown into a mitten deduct the weight of unfilled mitten noted on tag from total weight of filled mitten.

Inspection for weight of filled mitten shall be performed immediately following the closing operation. No sample shall be selected for weight inspection if more than 1-1/2 hours have elapsed between the filling and closing operation.

- * 4.2.3.4 Inspection levels and acceptable quality levels. Inspection levels and acceptable quality levels (AQL's) expressed in defects per hundred units.

	<u>AQL</u>	<u>Inspection Level</u>
For 4.2.2.1		
Major	1.5	I
Minor	6.5	
For 4.2.3.2		
Major	2.5	II
Major, Minor A (combined)	6.5	
Totals (Major, Minor A, and Minor B, combined)	15.0	
For 4.2.3.3.		
Major	1.5	I
Minor	6.5	

4.2.4 Examination of preparation for delivery requirements An examination shall be made to determine that the packaging, packing and marking requirements of Section 5 of this specification are complied with. 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 sealed. Defects of closure listed below shall be examined on shipping containers fully prepared for delivery. The lot size shall be the number of 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. Any component damaged, affecting serviceability.
Workmanship	Inadequate application of components, such as incomplete closure of case liners, container flaps, loose strapping, inadequate stapling, bulging or distortion of containers.
Content	Number of intermediate packages is more or less than required.

4.3 Tests. The method of testing shall be in accordance with FED-STD-191 whenever applicable. All requirements are applicable to the sample unit.

5. PREPARATION FOR DELIVERY.

5.1 Packaging. Packaging shall be levels A or C as specified (see 6.2).

5.1.1 Level A. One right-hand and one left-hand mitten shall be paired, shall be placed palm to palm, and shall be tied around the shorter dimension with cotton tape or twine.

5.1.2 Level C. Mittens shall be packaged in a manner to afford adequate protection from the supply source to the first receiving activity. The contractor may use his commercial practice provided the latter meets the requirements of this level.

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

5.2.1 Level A. Sixteen pairs of mittens packaged as specified in 5.1 shall be packed in fiberboard shipping containers conforming to style 6880-I, class weather-resistant (variety, DW) NCS of FED-STD-600. The fiberboard used in the fabrication of the liner shall conform to type 2F, class weather-resistant, variety, DW, grade W150 of FED-STD-300. Closure and reinforcing requirements shall be in accordance with the standards of the container specification. The arrangement of the mittens in the shipping container shall be two pairs in length, one pair in width, and eight pairs in height.

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5.2.2 Level B. Level B shall be the same as specified in 5.2.1, except the shipping container shall conform to class domestic, grade 275, the liner shall be type CF, class domestic, grade 200, and reinforcing requirements do not apply.

5.2.3 Level C. Mittens shall be packed in a manner that will afford adequate protection at the lowest rate against damage during direct shipment from the supply source to the first receiving activity for immediate use. Containers shall conform to applicable carrier rules and regulations applicable to the mode of transportation.

5.3 Marking. In addition to any special marking required by contract or order (6.2), shipping containers shall be marked in accordance with MIL-STD-129.

6. NOTES.

6.1 Intended use. The mittens covered by this specification are a component part of a cold weather survival clothing assembly that is vacuum packed in survival kits for the use of flight personnel.

6.2 Ordering data. Procurement documents should specify the following

- a. Title, number, and date of this specification.
- b. Classes required (1.2)
- c. Selection of applicable levels of packaging and packing (see 5.1 and 5.2)
- d. Additional marking required (5.3)

6.3 Color samples. Color samples may be obtained from the operating activity or as directed by the contracting officer.

* 6.4 Figures. Figures 1 and 2 show general style and are for information only. Figure 3 shows requirements of sewing operations of No. 11 of Table II.

6.5 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.

Custodian
Air Force - 91

Preparing Activity
Air Force - 92

Review Activity
Air Force - 92

Project No. 9415-F791

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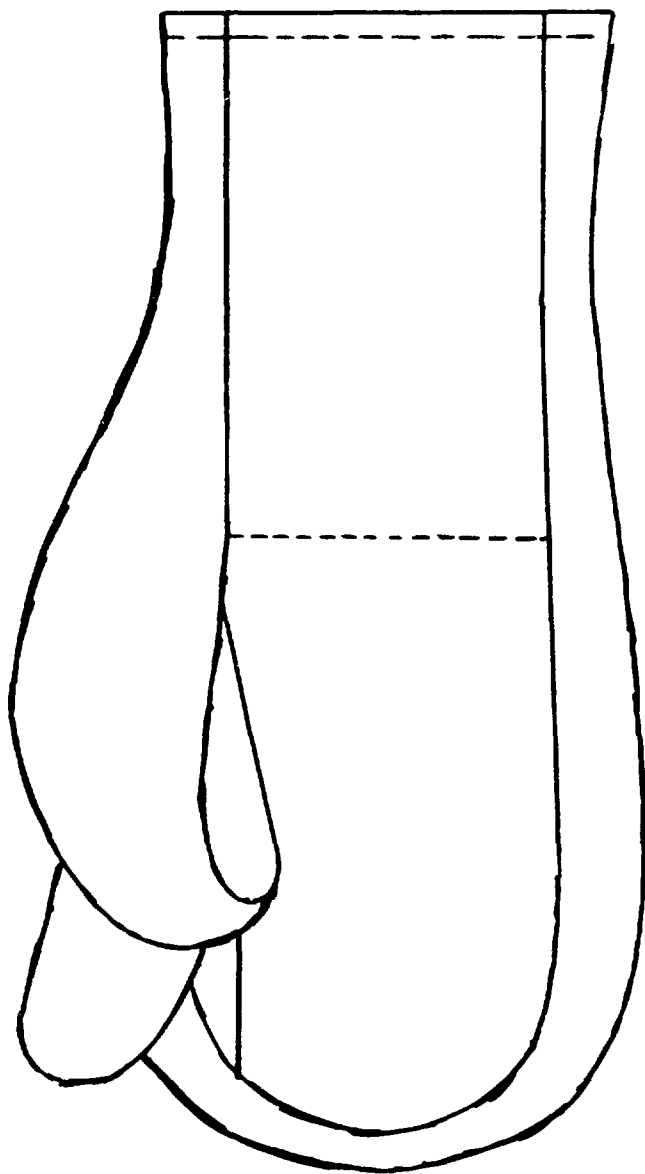


FIGURE 1 MITTEN, FRONT VIEW

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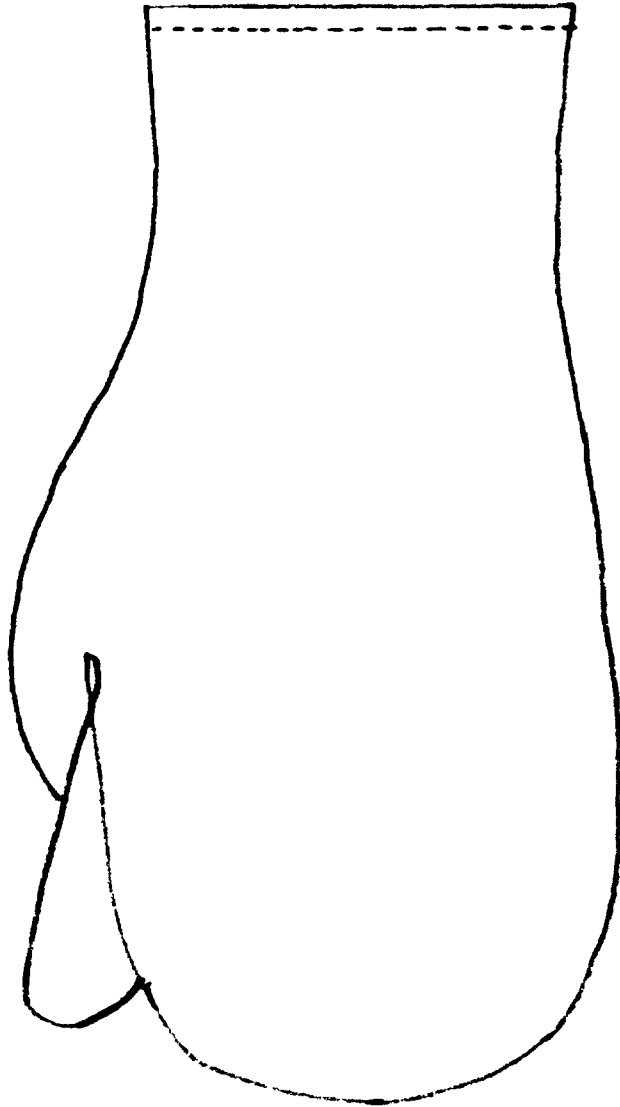
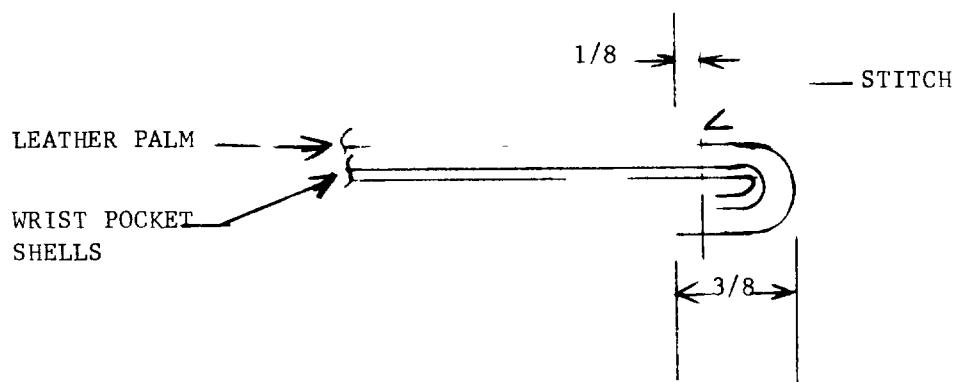
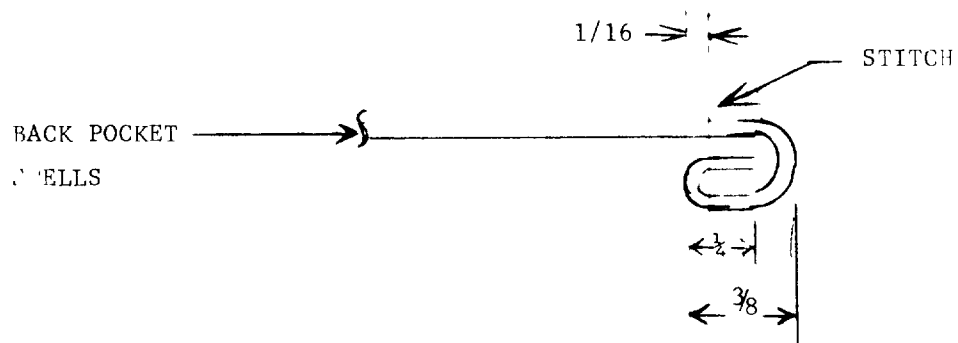


FIG. 1 - MITTENS, BACK VIEW



(a)



(b)

NOTES:

DIMENSIONS ARE IN INCHES

FIGURE 3

SPECIFICATION ANALYSIS SHEET		Form Approved Budget Bureau No 22-R255
<p>INSTRUCTIONS This sheet is to be filled out by personnel, either Government or contractor, involved in the use of the specification in procurement of products for ultimate use by the Department of Defense. This sheet is provided for obtaining information on the use of this specification which will insure that suitable products can be procured with a minimum amount of delay and at the least cost. Comments and the return of this form will be appreciated. Fold on lines on reverse side, staple in corner, and send to preparing activity. Comments and suggestions submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or serve to amend contractual requirements.</p>		
SPECIFICATION		
ORGANIZATION		
CITY AND STATE		CONTRACT NUMBER
MATERIAL PROCURED UNDER A <input type="checkbox"/> DIRECT GOVERNMENT CONTRACT <input type="checkbox"/> SUBCONTRACT		
1. HAS ANY PART OF THE SPECIFICATION CREATED PROBLEMS OR REQUIRED INTERPRETATION IN PROCUREMENT USE? A. GIVE PARAGRAPH NUMBER AND WORDING.		
B. RECOMMENDATIONS FOR CORRECTING THE DEFICIENCIES		
2. COMMENTS ON ANY SPECIFICATION REQUIREMENT CONSIDERED TOO RIGID		
3. IS THE SPECIFICATION RESTRICTIVE? <input type="checkbox"/> YES <input type="checkbox"/> NO (If "yes", in what way?)		
4. REMARKS (Attach any pertinent data which may be of use in improving this specification. If there are additional papers, attach to form and place both in an envelope addressed to preparing activity)		
SUBMITTED BY (Printed or typed name and activity - Optional)		DATE

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