

MIL-N-29113B(NU)

11 February 1987

SUPERSEDING

MIL-N-29113A(SA)

8 November 1978

MILITARY SPECIFICATION

NECKTIE WOMAN'S (BOW, BLACK)

This specification is approved for use by the Navy Clothing and Textile Research Facility, Department of the Navy, and is available 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 and size of woman's pre-tied black bow necktie.

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.

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.

AMSC N/A

FSC 8445

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SPECIFICATIONS

FEDERAL

- NN-P-71 - Pallets, Material Handling, Wood, Stringer Construction, 2 Way and 4 Way (Partial)
- DDD-L-20 - Labels; for Clothing, Equipage and Tentage (General Use)

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- MIL-P-15011 - Pallets, Material Handling, Wood Post Construction, 4 Way Entry
- MIL-B-17757 - Box, Shipping Fiberboard (Modular Sizes)
- MIL-C-24910 - Cloth, Tropical; Polyester and Wool
- MIL-T-43548 - Thread, Polyester, Cotton Covered and Rayon Covered

STANDARDS

FEDERAL

- 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

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

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

U.S. POSTAL SERVICE MANUAL

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

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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

(Application 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

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

DEPARTMENT OF DEFENSE STANDARD COLOR CARD
OF OFFICIAL STANDARDIZED SHADES FOR SEWING THREAD

(Application for copies may be obtained from the Color Association of the United States, Inc., 343 Lexington Ave., New York, NY 10016).

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 solely for guidance and information to the contractor (see 6.3). Variations from this specification may appear in the sample in which case this specification shall govern.

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 Basic material. The basic material shall be a tropical polyester and wool blend, 10.0 \pm .5 oz/lin yd cloth, shade Blue 3346, conforming to MIL-C-24910.

*3.3.2 Thread. The thread used for seaming and stitching the tie shall be a covered polyester thread, ticket Nos. 50 and 70, 2 or 3 ply conforming to MIL-T-43548, shade Black AA, C.A. 66043.

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*3.3.2.1 Colorfastness of threads. The dyed threads shall show colorfastness to laundering, wet-dry cleaning, and light equal to or better than the standard sample when tested as specified in MIL-T-43548. When no standard sample is available, the dyed threads shall show good colorfastness to laundering, wet-dry cleaning, and light when tested as specified in MIL-T-43548.

3.3.3 Label

*3.3.3.1 Combination label. Each necktie shall have a label conforming to type VI, class 4 of DDD-L-20, except that the height of the label shall be a maximum of 5/8 inch. The printing shall show fastness to laundering. The label shall bear the following inscription:

NAME OF ITEM: NECKTIE, WOMAN'S (75% POLYESTER/25% WOOL)
 CONTRACT NO: DLA-100-0-00-000 (EXAMPLE)
 STOCK NO: 8445-00-000-0000 (EXAMPLE)
 NAME OF CONTRACTOR:

CLEAN IN ACCORDANCE WITH POLY/WOOL BELTED SKIRT

*3.3.3.2 Hanging label. Each bow tie shall have a commercial type plastic fastening barb (see 6.6) through the loop on the left end of the neckband, attaching a hanging label. The ticket label shall be made of a suitable commercial cardboard and shall be legibly printed with the following information:

NAME OF ITEM: NECKTIE, -WOMEN'S (75% POLYESTER/25% WOOL)
 CONTRACT NO: DLA-100-0-00-000 (EXAMPLE)
 NAME OF CONTRACTOR:

LAUNDERING INSTRUCTIONS
 MACHINE WASH - PERMANENT PRESS CYCLE
 IN WARM WATER (120° MAX)
 DO NOT BLEACH
 TUMBLE DRY MEDIUM HEAT - REMOVE IMMEDIATELY
 MAY ALSO BE DRY CLEANED
 OR
 FOLLOW NAVEDTRA MANUAL, 414-01-45-81 FORMULA III

3.3.4 Hardware

3.3.4.1 Tension slide. The tension slide shall be nickel plated steel, 3/4 inch nominal size conforming to part number 164 of the Waterbury Buckle Company, or a functionally interchangeable equivalent (see 6.4).

3.3.4.2 Eye. The eye shall be nickel plated steel, 3/4 inch nominal size conforming to part number 295 of the Waterbury Buckle Company, or a functionally interchangeable equivalent (see 6.4 and 6.5).

3.3.4.3 Hook. The hook shall be nickel plated steel, 3/4 inch (1.9cm) nominal size conforming to part number 245 of the Waterbury Buckle Company, or a functionally interchangeable equivalent (see 6.4 and 6.5).

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3.4 Design. The necktie shall be a pre-tied bow design with an adjustable neckband (see figure 1).

3.4.1 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.

3.5 Patterns. Standard patterns will be furnished by the Government (see 6.3). The standard patterns shall not be altered in any way and are to be used for cutting the contractor's working patterns. The working patterns shall be identical to the standard patterns.

3.5.1 Pattern parts. The component parts shall be cut from the material specified in 3.3.1 in accordance with the following pattern parts which allow 3/16 to 1/4 inch for all seams except as otherwise indicated in Table I.

| <u>Nomenclature of Pattern Parts</u> | <u>Cut Parts</u> |
|--------------------------------------|------------------|
| Bow | 2 |
| Neckband | 1 |
| Center tie loop | 1 |

3.6 Construction.

3.6.1 Stitch, seam, and stitching types. Stitch, seam, and stitching types specified in Table I shall conform to FED-STD-751. Wherever two or more methods for seam or stitch types are given for the same part of the operation, any one of them may be used. Seam allowances shall be maintained with seams properly sewn so that no raw edges, runoffs, twists, pleats, or open seams will result.

3.6.2 Thread breaks and ends of seams. Ends of all seams and stitchings when not caught in other seams or stitchings shall be backtacked not less than 1/4 inch. Thread breaks (all stitch types) shall be secured by stitching back of the break not less than 1/2 inch. Skipped stitches or 401 stitch type thread breaks may be repaired by using 301 stitch type.

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

3.7 Manufacturing operation requirements. The neckties shall be manufactured in accordance with the operation requirements specified in Table I. The contractor is not required to follow the exact sequence of operations listed provided that the finished neckties are identical to that produced by following the sequence of operations as listed in Table I.

*3.7.1 Shade and size marking. The component parts of the tie shall be marked or ticketed to insure a uniform shade and size throughout the garment. Any method may be used except:

- (a) corrosive metal fastening devices
- (b) sew-on shade tickets
- (c) adhesive type tickets which discolor or adhere to the material upon removal of tickets.

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NOTE: The use of ink pad numbering machine, rubber stamp or pencil is allowed, provided the numbering does not show on the outside of the garment and whenever possible, is covered by the seam allowance.

*3.7.2 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 |
| Brck | - | Bartack |
| Comrc1 | - | Commercial |
| smlr | - | similar |
| Btnhl | - | Buttonhole |
| incl | - | including |
| dbl | - | double |
| chnstch | - | chainstitch |

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TABLE I - CONSTRUCTION OF NECKTIE

| NO. | OPERATION | STCH TYPE | SEAM/ STCH TYPE | STCH IN | THREAD NDL BOB/ LPR | |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|--------------------|------------|---------------------------|--|
| 1. | <u>Cutting.</u> a. Cut the neckties in accordance with patterns which show shape and pleat guides for proper assembly. Patterns shall be cut on the bias direction. b. Cut all component parts out of one piece of material except the neckband which may be cut from ends and shall approximate the shade of the bow. | | | | | |
| 2. | <u>Replacement of defective components.</u> During the spreading, cutting, and manufacturing process, components having material defects or damages that are classified as defects in section 4 of this specification shall be removed from production and replaced with non-defective and properly matched components. | | | | | |
| 3. | <u>Shade marking.</u> a. All parts shall be marked or ticketed to insure a uniform shade and proper assembly throughout the necktie. | | | | | |
| 4. | <u>Bow.</u> a. Stitch together the bow plies, face to face, 3/16 to 1/4 inch from the edges, leaving an opening approximately 1-1/2 inches long at the center of one of the long edges for turning the necktie. b. Trim all points. Turn to finished position and force out all points. c. Turn raw edges in and stitch closed the opening at the long edge. d. Press bow smooth and flat. | 301 or SSa-1 401 | | 12-14 | 50 50 50 70 | |
| | | Hand or 301 | SSc-1 | 12-14 | 50 50 50 | |

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TABLE I - CONSTRUCTION OF NECKTIE

| NO. | OPERATION | STCH TYPE | SEAM/ STCH TYPE | STCH IN | THREAD | |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------|------------|-----------------|----|
| | | | | | NDL BOB/ LPR | |
| | e. Fold two 1/2 inch pleats, in accordance with pleat guides on pattern, at center to form bow and stitch across width of bow. | Hand or 301 | SSv-1 | 12-14 | 50 | 50 |
| | f. Bow shall finish 1-1/4 (+ 1/8) inches wide at center with pleats facing down. | | | | | |
| 5. | <u>Center tie loop.</u> | 301 or 401 | SSa-1 | 12-14 | 50 | 50 |
| | a. Fold center tie loop in half lengthwise, face to face. Stitch 3/16 to 1/4 inch from raw edges along length and one end. | | | | 50 | 70 |
| | b. Trim point. Turn to finished position and force out points. Press. | | | | | |
| | c. Wrap tie loop around center of bow, lapping finished end over raw end 3/8 to 1/2 inch and stitch loop closed. | Hand | LSa-1 | 12-14 | 50 | |
| | d. Tie loop shall finish 1 (+ 1/16) inch wide. | | | | | |
| 6. | <u>Neckband.</u> | | | | | |
| | a. The finished neckband shall measure 5/8 to 7/8 inch wide and 20-3/4 (+ 1) inch long without installed hardware. | | | | | |
| | b. Fold neckband in half in accordance with any of the specified seam types. Stitch 1/16 to 1/8 inch from the folded edges and, when applicable, 3/16 to 1/4 inch from the raw edges. | 301 or 401 | EFs-2 or EFp-1 or EFu-1 | 12-14 | 50 | 50 |
| | NOTE: As an alternate to the above 6b any other method of fabrication (including off the roll) that does not leave visual raw edges, cover-stitching, or too much bulk will be acceptable. | | | | | |
| | c. Press flat. | | | | | |

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TABLE I - CONSTRUCTION OF NECKTIE

| NO. | OPERATION | STCH TYPE | SEAM/ STCH TYPE | STCH IN | THREAD | |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------------|------------|-----------------|----|
| | | | | | NDL BOB/ LPR | |
| *7. | <u>Install hardware on neckband.</u> a. Thread left end (as worn) of neckband through slider, over center bar and back through adjacent slider hole. Fold neckband back 1 (+ 1/2) inch, turn under end approximately 1/4 inch and stitch across width through all plies 1/8 to 3/16 inch from folded edge. b. Thread hook eye through left end (as worn) of neckband. c. Thread remaining end of neckband through slider hole over center bar and back through adjacent slide hole. | 301 | EFb-1 | 12-14 | 50 | 50 |
| | d. Thread right end (as worn) of neckband through hook, so that hook opening is on outside when finished. Fold neckband back 1-1/2 (+ 1/2) inch, turn under approximately 1/4 inch and stitch across width through all plies 1/8 to 3/16 inch from folded edge. | 301 | EFb-1 | 12-14 | 50 | 50 |
| | NOTE: The finished side of neckband to be outer surface when worn. Hook opening to be on the finished side. | | | | | |
| 8. | <u>Attach label.</u> Position label on underside of neckband, 2-1/2 (+ 3/8) inches from hook end of neckband and stitch around all four sides. | 301 | SSa-1 | 12-14 | 50 | 50 |
| 9. | <u>Assemble.</u> a. Slip neckband through center tie loop at back of bow. | | | | | |
| | *b. Tack each side of the loop through neckband to backside of the tie with center of loop positioned approximately 7 inches from back end of hook. Loop shall be positioned on the center of the tie. Stitches shall not be visible on face side of loop. | Hand | LSa-1 | 12-14 | 50 | |

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TABLE I - CONSTRUCTION OF NECKTIE

| NO. | OPERATION | STCH | SEAM/ | STCH | THREAD | |
|------|--------------------------------------------------------------------------------------------------------|------|-----------|------|--------|-------------|
| | | TYPE | STCH TYPE | IN | NDL | BOB/ LPR |
| 10. | <u>Clean.</u> | | | | | |
| | a. Remove all spots, stains and shade tickets. | | | | | |
| | b. Trim and remove all loose threads. | | | | | |
| *11. | <u>Attach hanging label.</u> | | | | | |
| | Attach a hanging label to the left side of the neckband with a commercial type plastic fastening barb. | | | | | |

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*3.8 Measurements. Dimensions of the finished tie shall be as indicated below.

1. Letter A, B, C and D refer to figure 1.
 - A. Center tie loop shall measure 1 (+ 1/16) inch.
 - B. Measurement shall be 3-1/4 (+ 1/16) from side of center tie loop to apex (tip).
 - C. Measurement shall be 3-1/4 (+ 1/16) inch from apex (tip) to apex (tip).
 - D. Measurement shall be 3-1/8 (+ 1/16) inch from apex (tip) to apex (tip).

NOTE: All measurements shall be taken with the tie flat on a table in a relaxed state with bow on the neckband as indicated in figure 1.

3.9 Workmanship. The finished necktie shall conform to the quality of product established by this specification. The occurrence of defects shall not exceed the applicable quality levels.

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.

*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).

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4.3 First article inspection. The first article submitted in accordance with 3.2 shall be inspected as specified in 4.4.2 for compliance with design, construction, workmanship 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.

4.4.2 Examination of the end item. Examination of the end item shall be in accordance with 4.4.2.1 through 4.4.2.2. The applicable inspection levels and acceptable quality levels (AQL's) shall be as indicated in 4.4.2.3. The sample unit shall be one completely fabricated necktie. The lot size shall be expressed in units of neckties.

4.4.2.1 Visual examination. The necktie shall be examined for defects classified in accordance with the list below:

| Defect | Classification | |
|--------------------------------------------------------------------------------------------|----------------|-------|
| | Major | Minor |
| MATERIAL DEFECTS AND WORKMANSHIP DAMAGES | | |
| a. Any hole, needle chew, cut or tear | X | |
| b. Weakening defect such as slub, smash, float | X | |
| c. Any part shaded | | X |
| d. Any mend or burn | X | |
| e. Not material specified | X | |
| CLEANNESS | | |
| a. Any spot or stain on front of tie | X | |
| b. Any spot or stain on back of tie | | X |
| c. More than three thread ends not trimmed to 1/4 inch or less or loose thread not removed | X | |
| d. Shade marking not removed | | X |
| COMPONENTS AND ASSEMBLY | | |
| Any component part or operation omitted (unless otherwise classified herein) | X | |
| Any operation not as specified | X | |
| Any part not as specified | X | |

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| Defect | Classification | |
|------------------------------------------------------------------------------------------------------------------------------|----------------|-------|
| | Major | Minor |
| CUTTING | | |
| Any part not cut in accordance with directional lines indicated on patterns or in accordance with specification requirements | X | |
| PRESSING | | |
| a. Burned or scorched | X | |
| b. Poorly pressed or omitted | | X |
| SEAMS AND STITCHING | | |
| a. Accuracy of seaming | | |
| 1. Seams puckered, twisted, or pleated (unless otherwise classified herein) | | X |
| 2. Ends of all seams and stitchings when not caught in other seams or stitchings backtacked less than 1/4 inch | | X |
| 3. Thread breaks not secured by stitching back of the break a minimum of 1/2 inch | | X |
| b. Open seams or runoffs | | |
| - 1/4 inch or less | | X |
| - more than 1/4 inch | X | |
| NOTE: One or more broken stitches or two or more continuous skipped or runoff stitches constitutes an open seam. | | |
| c. Raw edges more than 1/2 inch | X | |
| d. Not specified seam or stitch type | | X |
| e. Stitch tension | | |
| 1. Loose tension resulting in loose seam | X | |
| 2. Tight tension, i.e., stitches break when normal strain is applied to the seam or stitching | X | |
| f. Stitches per inch more or less than specified | | X |
| g. Color of thread not as specified | X | |
| COMBINATION LABEL | | |
| a. Missing, incorrect, or illegible | | X |
| b. Not positioned as specified | | X |
| c. Not stitched on all four sides | | X |

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| Defect | Classification | |
|--------------------------------------------------------|----------------|-------|
| | Major | Minor |
| HANGING LABEL | | |
| a. Missing, incorrect, or illegible | | X |
| b. Not positioned as specified | | X |
| c. Not securely attached | | X |
| BOW | | |
| a. Triangular ends poorly shaped or twisted | | X |
| b. Sewn pleat omitted or not as specified | X | |
| BAND | | |
| a. Uneven in width | | X |
| b. Not tacked to center loop as specified | | X |
| c. Not constructed as specified | | X |
| d. Not threaded as specified | | X |
| HARDWARE | | |
| a. Tension slide, hook, and eye not material specified | | X |
| b. Not size specified | | X |
| c. Not type specified | | X |
| d. Not positioned as specified | X | |
| CENTER TIE LOOP | | |
| a. Not secured as specified | | X |
| b. Not tacked to bow and band as specified | X | |

4.4.2.2 Dimensional examination. The neckties shall be examined for defects in dimension as specified in 3.8. Any deviation from the dimensions and tolerances specified shall constitute a defect.

4.4.2.3 Inspection levels and acceptable quality levels. The inspection levels and acceptable quality levels (AQL's) expressed as defects per 100 units, shall be as follows:

| | <u>AQL's</u> | <u>Inspection level</u> |
|----------------------------------|--------------|-------------------------|
| For examination in 4.4.2.1: | | |
| Major | 2.5 | II |
| Total (Major and Minor combined) | 6.5 | II |
| For examination in 4.4.2.2: | | |
| One class | 4.0 | S-3 |

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4.4.3 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.

*4.4.4 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. |

5. PACKAGING

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

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*5.1.1 Level A. Each necktie shall be placed flat and inserted into a snug-fitting clear polyethylene film bag of 0.00125 inch thickness (+ 25 percent tolerance). The bag shall be formed with heat sealed seams that are straight, continuous and parallel to each other and the formed edges of the bag. The final closure of the bag shall be heat sealed with the seal made as close as possible to the open end. A 1/4 inch diameter hole shall be made at one corner of the polyethylene bag to allow excess air to escape. Alternatively, the final closure of the polyethylene bag may be accomplished by means of a tuck or reverse flap.

5.1.2 Level C packaging. Neckties shall be packed to afford adequate protection against physical damage during shipment from the supply source to the first receiving activity. The package and the quantity per package shall be the same as that normally used by the supplier for retail distribution.

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

5.2.1 Level A. Ninety (90) neckties packaged as specified in 5.1 shall be packed flat in a fiberboard shipping container assembled, closed and reinforced conforming to type CF, class weather-resistant, variety DW, grade V15C, size 1A of MIL-B-17757. The fiberboard for the box liner shall conform to type CF, class domestic of MIL-B-17757. Each container shall have the contents completely covered on the top and bottom with a sheet of commercial grade kraft paper.

*5.2.2 Level B. Ninety (90) neckties packaged as specified in 5.1, shall be packed flat in a fiberboard shipping container assembled and closed conforming to type CF, class domestic, variety DW, grade 200, size 1A of MIL-B-17757. The fiberboard for the box liner shall conform to type CF, class domestic of MIL-B-17757. Each container shall have the contents completely covered on the top and bottom with a sheet of commercial grade kraft paper.

*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.

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 Polyethylene bagged packages. Polyethylene bagged packages shall have the required identification information listed below, legibly printed or stamped in black directly on the bag across the center face or on a white paper label inserted within the bag so as to permit ready identification.

NOMENCLATURE
STOCK NO.
QUANTITY

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5.4 Palletization. When specified (see 6.2) item packed as specified in 5.2 shall be palletized on a 4-way entry pallet in accordance with load type 1a 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; V Class 1, size; or Type VIII, fabricated from, wood groups 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 neckties covered by this specification are intended for wear by the Navy enlisted and officer's (women personnel).

6.2 Ordering data. Procurement documents should specify the following:

- a. Title, number, and date of this specification
- b. When first article 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, quantity, and testing and approval of the first article.
- c. Selection of applicable levels of packaging and packing (see 5.1 and 5.2).
- d. When palletization is required (see 5.4).

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

6.4 Hardware component specified are available from the Waterbury Buckle Company, 952 South Main Street, Waterbury, Connecticut 06720. This information is furnished only to indicate a possible source of supply. Any manufacturer's item which is equal to the referenced commercial type item will be acceptable.

6.5 Equal item. Prior to the use of an "or equal" item the contractor shall submit the item with supporting data to the contracting officer for subsequent approval or disapproval.

6.6 Commercial type plastic barb. Barbs for attaching tickets (see 3.3.3.2) may be obtained from Dennison Manufacturing Company, Fastener Division, Framingham, MA 01701.

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* 6.7 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.

* 6.8 Subject term (key word) listing.

Bow, tie
Polyester/wool
Tension slide
Woman's

Custodian:

Navy - NU

Preparing Activity:

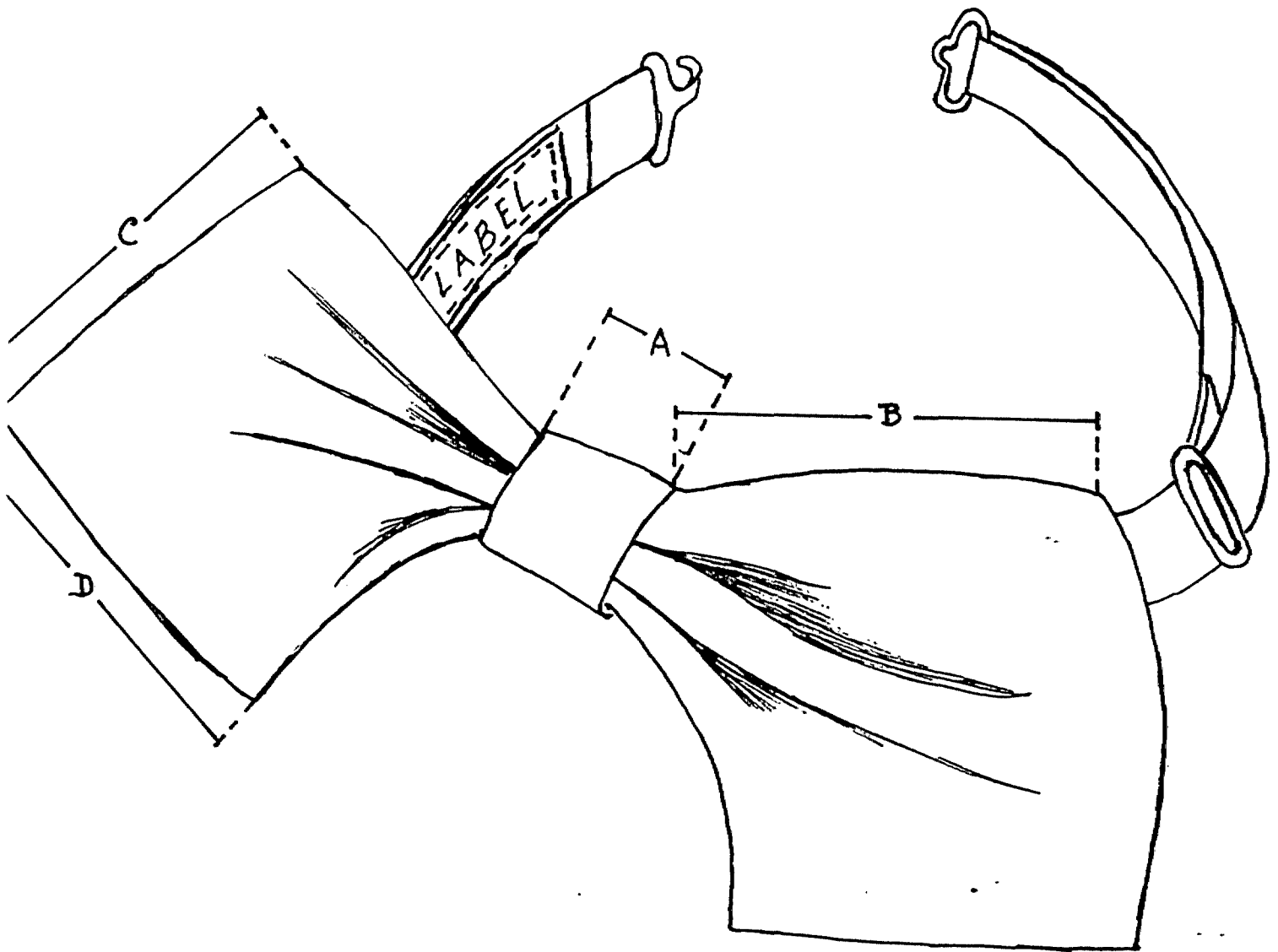
Navy - NU

Review Activity:

DLA - CT

Project No. 8445-N097

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NECKTIE, WOMEN'S (BOW, BLACK)

FIGURE 1