

CLASS 223, APPAREL APPARATUS**SECTION I - CLASS DEFINITION**

This class is the generic class for machines and machine methods of making, repairing, and maintaining in proper condition articles of apparel and analogous articles except as provided for in other classes.

It also includes certain devices and methods of plaiting, folding, turning, etc., applied to table linen, bed linen, curtains, bags and like articles not apparel, because of their similarity to apparel-treating devices.

The group of trimming making also includes devices and methods of making trimmings not necessarily used with garments but which may be so used and are analogous to those which are so used as e.g., making tassels for curtains are here since their making is like that of muff or garment tassels.

SECTION II - LINES WITH OTHER CLASSES AND WITHIN THIS CLASS

For apparel articles and article processes, see Class 2, Apparel, which is the broad class for articles of apparel and article processes not coming under this class or the classes noted below.

For dyeing and fluid treatment of fabrics see Class 8, Bleaching and Dyeing; Fluid Treatment and Chemical Modification of Textiles and Fibers, for apparatus for dyeing and fluid treatment of textiles and fabrics, see Class 68, Textiles: Fluid Treating Apparatus.

For making shoes, see Class 12, Boot and Shoe Making.

For brushing and general cleaning, see Class 15, Brushing, Scrubbing, and General Cleaning.

For the Treatment, finishing, and ornamentation of cloth, see Class 26, Textiles: Cloth Finishing.

See Class 34, Drying and Gas or Vapor Contact With Solids, for garment drying apparatus and processes of general utility, not claiming features of a form to fit or hold a garment, or process steps correspondingly limited. The mere naming of the garment in a process, or the recitation of a garment form generally or for a particular garment (e.g., by reciting forms, flat forms, garment forms, boards, stocking forms, etc.) will not exclude the case from Class 34.

For boots and shoes, see Class 36, Boots, Shoes, and Leggings.

For the manufacture of garments by knitting, weaving or sewing, see Class 66, Textiles: Knitting; Class 139, Textiles: Weaving; and Class 112, Sewing, respectively.

For washing garments and for dry cleaning thereof, see Class 68, Textiles: Fluid Treating Apparatus. For ironing and smoothing garments, see Class 38, Textiles: Ironing or Smoothing.

For coating or impregnating, per se, search Class 427, Coating Processes, and Class 118, Coating Apparatus.

For making of garments, etc., by braiding, netting, or lace making, see Class 87, Textiles: Braiding, Netting, and Lace Making.

For making sanitary pads or garment pads by depositing a fibrous pad on a cloth base and folding the base around the pad see Class 19, Textiles: Fiber Preparation, subclass 147. For processes and apparatus for laminating in general and for forming a pad by a Class 19 operation combined with a laminating step see Class 156, Adhesive Bonding and Miscellaneous Chemical Manufacture, appropriate subclasses.

SECTION III - REFERENCES TO OTHER CLASSES**SEE OR SEARCH CLASS:**

- 53, Package Making, appropriate subclasses, for a method of an apparatus for packaging stockings which includes some significant packaging operation beyond the mere insertion of a form in the stocking (e.g., banding, wrapping, etc.).
- 623, Prosthesis (i.e., Artificial Body Members), Parts Thereof, or Aids and Accessories Therefor, appropriate subclass for body forms, frames or structures used to replace portions of a living human body.

SUBCLASSES

- 1 Inventions coming under the definition of the class, but not under any subclass below.

- 1.1** This subclass is indented under the class definition. Devices including means to cut the lower end of a garment so as to fix the height of the hem above the ground when worn.
- (1) Note. This art grouping includes the combination of marking and cutting means.
- SEE OR SEARCH CLASS:
 33, Geometrical Instruments, subclasses 2+ for garment marking, per se.
 82, Turning, subclasses 46+ for severing of tubular material by turning.
- 2** Machines, tools and processes for performing various manufacturing operations on a collar, cuff, or the bosom of a shirt. Cutting, pressing, embossing and folding, and combinations of these acts, restricted to collar, cuffs, and bosoms, are here.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
 37, 38, for folding, per se.
 61+, for stretching, per se.
- SEE OR SEARCH CLASS:
 53, Package Making, subclasses 428+ for methods and subclasses 117+ for apparatus to form a package including means to fold or roll up sheet material or garments.
 83, Cutting, for cutting and punching, per se; also for cutting button-holes see appropriate subclasses, particularly subclass 905.
 118, Coating Apparatus, for coating or impregnating, per se.
 225, Severing by Tearing or Breaking, for tearing, per se .
 226, Advancing Material of Indeterminate Length, for web feeding,
 242, Winding, Tensioning, or Guiding, for web feeding.
 270, Sheet-Material Associating, for sheet folding in general, see Class .
 271, Sheet Feeding or Delivering, for sheet feeding.
 427, Coating Processes, for coating or impregnating, per se.
- 3** This subclass is indented under subclass 2. Devices and methods for pasting, folding and drying, and combinations of these acts.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
 37,
- SEE OR SEARCH CLASS:
 118, Coating Apparatus, for coating apparatus and processes, especially subclass 32 for coating apparatus combined with means to fold the work, and subclasses 58+ for coating apparatus combined with means to dry the work.
 270, Sheet-Material Associating, for sheet folding.
 427, Coating Processes, for coating apparatus and processes.
- 4** Devices for and methods of applying a reinforce around the button holes of a collar, cuff, or bosom.
- SEE OR SEARCH CLASS:
 2, Apparel, subclasses 118+, 122, 123+, 127, 129+, 136, and 241.
- 6** Devices for forming hoop skirts.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
 52, 53, 68, and indented subclasses.
- SEE OR SEARCH CLASS:
 140, Wireworking, subclass 90, 92.1, and indented subclass.
 72, Metal Deforming, subclasses 138+ for a method of or means for making a conical spring.
- 7** This subclass is indented under the class definition. Devices for and processes of making and renovating hats coming not provided for below or in other classes.
- (1) Note. Combinations of methods or devices falling in Classes 19, Textiles: Fiber Preparation; 26, Textiles: Cloth Finishing; 28, Textiles: Manufacturing, with a device or method falling in this

class are placed here and cross-referenced into the other classes.

- (2) Note. Devices and methods for compacting, dipping, sizing, pinning, clearing, napping, clipping, pouncing, pressing, shaping, stretching, steaming, or otherwise operating on a formed hat or hat body are in this class, with this exception that if adapted for general application to textiles the device goes to Class 26, Textiles: Cloth Finishing, or Class 28, Textiles: Manufacturing; e.g., devices for operating on a hat body in flattened, rolled up, folded or similar condition, are in Classes 26 or 28; the hat in such case being regarded as a stock fabric.

SEE OR SEARCH THIS CLASS, SUBCLASS:

51, for heating and steaming hats.

SEE OR SEARCH CLASS:

- 2, Apparel, subclasses 171+ for a hat structure.
- 19, Textiles: Fiber Preparation, for devices and processes directed to assembling fur or other fibers into a cone or blank.
- 26, Textiles: Cloth Finishing, subclasses 3 through 6 for singeing.
- 28, Textiles: Manufacturing, subclass 239, for singeing.
- 112, Sewing, subclasses 12+ for a hat sewing machine, and subclass 475.11 for a method of sewing hats.
- 156, Adhesive Bonding and Miscellaneous Chemical Manufacture, for methods and apparatus for forming rubber bathing caps by a laminating operation.

- 8** Devices and methods for forming wire frames for hats.

SEE OR SEARCH THIS CLASS, SUBCLASS:

25, for adjustable blocks.

SEE OR SEARCH CLASS:

- 140, Wireworking, subclass 71, 77, 92.1, and indented subclass.

- 10** Means for wetting or sizing hat bodies by dipping, brushing, or in other ways.

SEE OR SEARCH CLASS:

- 28, Textiles: Manufacturing, subclass 116 for felting apparatus of general utility.
- 118, Coating Apparatus, appropriate subclasses for coating apparatus of general application.
- 427, Coating Processes, for coating processes in general.

- 11** Devices for removing excess water or size from hat bodies after felting or sizing, usually by roll-pressing or brushing.

SEE OR SEARCH CLASS:

- 28, Textiles: Manufacturing, subclass 116 and indented subclasses.

- 12** Includes devices and methods for blocking, pressing, molding, stretching, and otherwise permanently shaping a hat or hat part.

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 8, 21.
- 51, for heaters, per se.

SEE OR SEARCH CLASS:

- 28, Textiles: Manufacturing, subclasses 116+ and especially subclass 124 for processes of an apparatus for felting hats or hat blanks where no specific step of or mechanism for forming hat structure, e.g., a brim is present. There mere felting of a parabolic, conical or cylindrical blank will not exclude a patent from Class 28.
- 100, Presses, appropriate subclasses for presses not elsewhere provided for.
- 264, Plastic and Nonmetallic Article Shaping or Treating: Processes, appropriate subclasses for processes for molding or shaping plastic materials within the class definition, see for example subclass 292 pertaining to processes which include the step of stretching or stretch drawing over a form and subclass 296 for plural sequential shaping processes wherein one step reshapes only a portion of an article.

- 425, Plastic Article or Earthenware Shaping or Treating: Apparatus, subclasses 383+ for a molding machine comprising preform reshaping or resizing means, or vulcanizing means with a conforming preform support.
- 13** This subclass is indented under subclass 12. Devices in which the pressure is applied through fluid means.
- 14** This subclass is indented under subclass 12. Devices coming peculiarly designed to shape the brim.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
51, for brim heaters.
- 15** Devices for stretching or for shaping a hat including stretching.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
12, 25, and indented subclasses.
- 16** Devices for trimming the brim of a hat to its proper contour.
- SEE OR SEARCH CLASS:
83, Cutting, for severing sheets in general.
- 17** Devices for wiring a brim or binding the brim edge.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
22,
- SEE OR SEARCH CLASS:
2, Apparel, subclasses 175.3+ for a hat including an edge binding; and subclass 274 for an edge binding for garments not specifically provided for elsewhere.
29, Metal Working, subclasses 243.57+ for a device for adding a binding or covering of metal to an article by overedge assembly therewith.
36, Boots, Shoes, and Leggings, subclass 78.
- 18** Devices and methods for raising the nap on a hat, usually by the use of brushes.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
20, 23.
- SEE OR SEARCH CLASS:
19, Textiles: Fiber Preparation, for carding.
26, Textiles: Cloth Finishing, subclass 29, and indented subclasses, for napping fabrics in general.
- 19** Devices and methods for clipping, shaving, and cutting a nap or for pulling out the long or rough fibers of the nap.
- SEE OR SEARCH CLASS:
26, Textiles: Cloth Finishing. for singeing, also see subclass 7 and indented subclasses.
30, Cutlery, for cutters in general.
83, Cutting, for cutters in general
69, Leather Manufactures, subclasses 24+ for the removal of coarse or water hairs from a fur skin.
- 20** Devices and methods for smoothing or polishing the nap of a hat by abrading, rubbing, brushing, or the like operation. The use of a sand-papering device or a polishing and coating device is here.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
21,
- SEE OR SEARCH CLASS:
451, Abrading, for abrading in general.
- 21** Machines, implements, and processes for ironing hats, caps, etc.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
20,
35, 36, for fluting irons.

- SEE OR SEARCH CLASS:
38, Textiles: Ironing or Smoothing, appropriate subclasses.or ironing or smoothing machines and implements in general.
- 22** Devices and methods for preparing bands, bindings and linings, and applying them to a hat, not provided for in other classes.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
16, 17.
- SEE OR SEARCH CLASS:
2, Apparel, subclasses 181+ for a liner for a head covering, a head covering having a liner, a method of making a liner for a head covering, or a method of making a head covering having a liner and subclass 175.3 for an exterior band for a hat, a hat having an exterior band, a method of making an exterior band for a hat, or a method of making a hat having an exterior band.
- 23** Miscellaneous devices and methods of cleaning hats during manufacture or to renovate them.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
20,
- SEE OR SEARCH CLASS:
15, Brushing, Scrubbing, and General Cleaning, for brushing devices in general, also for rubbing and beating to clean,
26, Textiles: Cloth Finishing.or rubbing and beating to clean.
- 24** Devices of hat form to hold the hat in shape for pouncing and other operations and to impart a definite shape in forming.
- SEE OR SEARCH CLASS:
211, Supports: Racks, subclass 30, and indented subclasses.
- 25** This subclass is indented under subclass 24. Devices adjustable to the size of the hat or to stretch the same.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
15,
- 26** This subclass is indented under subclass 25. Devices having heating means.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
51, for heaters, per se.
- 27** Devices and methods for making and attaching garment stiffeners; including many devices for making corset parts.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
53, for molding and shaping corsets.
- SEE OR SEARCH CLASS:
2, Apparel, subclasses 255+ for garment stiffeners.
29, Metal Working, subclasses 33.5+ for apparatus for binding or covering and cutting residually, and subclasses 243.57+ for binding or covering.
140, Wireworking, subclass 91 for making wire garment stays.
156, Adhesive Bonding and Miscellaneous Chemical Manufacture, appropriate subclasses for methods and apparatus for making laminated articles.
450, Foundation Garments, subclasses 41+ and 143+ for brassieres and corsets, respectively, with stays.
- 28** Devices for plaiting, fluting, or shirring fabrics in the manufacture of garments, ornaments therefor, and similar material.
- SEE OR SEARCH CLASS:
26, Textiles: Cloth Finishing, subclass 21.
100, Presses, appropriate subclasses for presses not elsewhere provided for.
112, Sewing, subclass 25, and indented subclasses; 144, and indented subclasses; for rufflers or gatherers, subclass 132, and indented subclasses.

- 156, Adhesive Bonding and Miscellaneous Chemical Manufacturing, subclasses 339+ for methods for deforming or reshaping paper or paper like materials.
- 383, Flexible Bags, subclasses 72+ for bags having drawstrings.
- 425, Plastic Article or Earthenware Shaping or Treating: Apparatus, subclasses 363+ for a press reshaping means including an endless surface and subclasses 383+ for a preform reshaping means for nonmetallic materials not provided for elsewhere.
- 493, Manufacturing Container or Tube From Paper; or Other Manufacturing From a Sheet or Web, subclasses 395+.
- 29** This subclass is indented under subclass 28. Devices and having additional means to crease or flatten across previously made plaits.
- 30** Devices making plaits by means of one or more reciprocating blades operating generally against a slotted bed or between rolls or other plaiting elements.
- SEE OR SEARCH THIS CLASS, SUBCLASS:
33,
- 31** The blades operate against a series of slots in a bed.
- 32** Devices forming plaits by passing the fabric through rolls, bands, or other elements having intermeshing teeth, which form the plaits or flutes.
- SEE OR SEARCH CLASS:
156, Adhesive Bonding and Miscellaneous Chemical Manufacture, subclasses 339+ for methods for deforming or reshaping paper or paper like materials.
- 425, Plastic Article or Earthenware Shaping or Treating: Apparatus, subclasses 369+ for a preform corrugating means comprising opposed endless shaping means.
- 33** This subclass is indented under subclass 28. Devices and methods having a boardlike form having means in the form of rods or projections on which the material is plaited. In some instances the board serves merely to hold the material which is plaited by a hand implement or by a pattern element.
- SEE OR SEARCH THIS CLASS, SUBCLASS:
28, for boards in which the surface is made up by adjustable blocks.
36,
- 34** Fixed guides for producing (usually) longitudinal plaits in a strip of material by a relative motion of the material guide.
- SEE OR SEARCH THIS CLASS, SUBCLASS:
37,
- SEE OR SEARCH CLASS:
112, Sewing, subclasses 136+.
- 35** Hand implements for fluting or crimping material.
- SEE OR SEARCH CLASS:
132, Toilet, subclass 31 and indented subclasses.
- 36** This subclass is indented under subclass 35. Hand implements . These include combined sad and fluting irons, and hand irons, having teeth intermeshing with a bed.
- 37** Devices and methods for folding garments and the like or parts thereof. Devices for folding collars and cuff blanks, for folding selvage edges, cuffs, or borders, on stockings, pants, and the like, are here.
- SEE OR SEARCH THIS CLASS, SUBCLASS:
2, 3, 27, 28+, 35.
- SEE OR SEARCH CLASS:
53, Package Making, subclasses 428+ for methods and subclasses 117+ for apparatus to form a package including means to fold or roll up sheet material or garments.

- 112, Sewing, subclass 136, and indented subclasses or folders in connection with sewing machines.
- 156, Adhesive Bonding and Miscellaneous Chemical Manufacturing, appropriate subclasses for processes and apparatus for laminating combined with a shaping step and see especially subclasses 339+.
- 270, Sheet-Material Associating. for the general folding art.
- 493, Manufacturing Container or Tube From Paper; or Other Manufacturing From a Sheet or Web, subclasses 405+ for folding a nonmetal sheet or web, generally.
- 38** This subclass is indented under subclass 37. Machines, implements, and processes for folding coming , and having a templet over which the edge of the material is folded by movable folder blades.
- SEE OR SEARCH CLASS:
112, Sewing, subclass 120.
- 39** Devices and methods of turning inside out and reversing garments, bags, and tubular fabric material.
- SEE OR SEARCH THIS CLASS, SUBCLASS:
37, for devices for turning a cuff or sleeve partly over on trousers bottom, or stocking top, or the like.
- SEE OR SEARCH CLASS:
12, Boot and Shoe Making, subclasses 57+ for apparatus for turning boots and shoes or the uppers or upper parts.
- 40** This subclass is indented under subclass 39. Devices coming having opposed members telescopically related, one passing within or between the opposing member or members.
- 41** This subclass is indented under subclass 39. Devices coming and having supports arranged end to end in abutting relation, the article being pulled from one to the other and thereby reversed.
- 42** The devices have a rod on one end of which is an article engaging clamp.
- 43** Devices which effect the turning operation by fluid pressure impressed directly on the article.
- SEE OR SEARCH CLASS:
15, Brushing, Scrubbing, and General Cleaning, subclass 304 for similar devices having additional cleaning means.
- 44** This is the general subclass for making and attaching trimmings to apparel, table ware and similar objects unless provided in other classes as noted below.
- (1) Note. For making ornamentations by sewing, weaving, knitting, dyeing, or other processes provided for in the textile classes, see the appropriate class.
- (2) Note. Button setters not provided for in another class are placed in this subclass, except for hooked-needle or eyed-needle types, for which see Search This Class, Subclass notes below.
- SEE OR SEARCH THIS CLASS, SUBCLASS:
28, for plaiting, shirring and fluting.
102, for hooked-needle or eyed-needle types.
- SEE OR SEARCH CLASS:
2, Apparel, subclasses 244+ for trimmings and for ornamental articles of apparel and similar ornamental articles; subclasses 265+ for other means or for methods of attaching a button to apparel,
26, Textiles: Cloth Finishing, subclass 16, 30 and 69 for methods of ornamenting cloth.
66, Textiles: Knitting, for ornamentation of fabrics or articles while being woven or knit.
101, Printing. for embossing methods and machines in general.
112, Sewing, appropriate subclasses for sewn trimming stock material; subclasses 104+ and 265.1 for means or methods of attaching a button by using a sewing machine.

- 139, Textiles: Weaving, for ornamentation of fabrics or articles while being woven or knit.
- 156, Adhesive Bonding and Miscellaneous Chemical Manufacture, appropriate subclasses, for methods and apparatus for securing elements together by a laminating operation.
- 227, Elongated-Member-Driving Apparatus, subclasses 31+ for apparatus which attaches a button by driving it or a securing member (e.g., a staple) into a workpiece,
- 428, Stock Material or Miscellaneous Articles, appropriate subclasses for trimming material which is not sewn, and subclasses 102+ for stock material which may be used as trimming material and which includes stitching and discrete fasteners, coating or an adhesive bond.
- 45** Devices and methods for spotting fabrics usually by applying tufts of chenille to fabrics.
- SEE OR SEARCH CLASS:
26, Textiles: Cloth Finishing, subclass 2, 7+, 13+.
66, Textiles: Knitting, subclasses 91+.
112, Sewing, subclasses 80.01+ for tufting type sewing apparatus.
139, Textiles: Weaving, subclasses 2+, 37+, and 391+.
- 46** Machines and processes for making bows, tassels, and the like.
- SEE OR SEARCH CLASS:
28, Textiles: Manufacturing, subclass 147 for binding thread or yarn in bundles to form tufts.
428, Stock Material or Miscellaneous Articles, subclasses 4+ for a bow, pom-pom or rosette article structure, per se, and subclass 28 for a tassel, per se.
- 47** Devices for preparing features for plumes, boas, dusters, etc., for curling feathers, attaching feathers to fabrics, and otherwise preparing feather ornaments not otherwise provided for.
- SEE OR SEARCH CLASS:
19, Textiles: Fiber Preparation, subclass 4 for reducing feathers to upholstery and cloth making materials.
112, Sewing, subclass 404 for stock material including feathers sewn thereto; subclass 121.17 for a machine for sewing feathers to a base fabric; and subclass 470.19 for a method of sewing feathers to a base fabric.
428, Stock Material or Miscellaneous 428, subclass 6 for an article comprising feathers or a group of feathers.
- 48** Devices and methods of stringing pearls, beads, etc.
- SEE OR SEARCH CLASS:
29, Metal Working, subclasses 241+ for other apparatus for assembling by stringing.
63, Jewelry.
- 49** Devices for assembling parts of suspenders, garters, and the like.
- SEE OR SEARCH CLASS:
29, Metal Working, for assembling generally, see subclasses 700+.
- 50** Devices for inserting a tape, thread or cord into a garment, lace and the like.
- SEE OR SEARCH THIS CLASS, SUBCLASS:
103, 105.
- SEE OR SEARCH CLASS:
24, Buckles, Buttons, Clasps, etc., subclass 34, and 712+.
29, Metal Working, subclasses 241+ for apparatus that assembles and disassembles by a stringing action, either by stringing parts on an attenuated or elongated means or by passing such means through a part or parts.
383, Flexible Bags, subclasses 72+ for bags having drawstrings.
- 51** Devices for heating and/or steaming hats and other articles in this class in making or remodeling the same.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

- 26, for a heated adjustable hat-making block and form.
- 60, for a means or method for molding or pressing a stocking where the form may be heated by the press plates, or an internal steam, hot-air or water current.
- 69, for a dress, coat, or skirt drying and stretching frame.
- 73, for a heating or steaming form for trousers or sleeve.
- 76, for a heating or steaming form for a stocking.
- 79, for a heating or steaming form for a glove.

SEE OR SEARCH CLASS:

- 38, Textiles: Ironing or Smoothing, subclasses 14 through 16 for a smoothing machine having fluid flow to or through the work or subclasses 71 and 72 for a platen press smoothing implement.
- 68, Textiles: Fluid Treating Apparatus, subclasses 5 through 8 for a machine using gas, steam, or mist to treat the textile.
- 126, Stoves and Furnaces, subclass 348 for a liquid heating-type steam generator and cooker or subclasses 369-369.3 for a steam chamber for food.

- 52** The miscellaneous subclass for forming, molding, pressing, stretching articles of apparel and similar things not otherwise provided for in this class.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

- 53, 54, 57, and other appropriate subclasses for like treatments of other articles of apparel.

SEE OR SEARCH CLASS:

- 12, Boot and Shoe Making. for shaping and forming shoe parts, see Class
- 26, Textiles: Cloth Finishing, subclasses 71+ for apparatus for stretching running length webs of cloth; and

- 38, Textiles: Ironing or Smoothing, subclasses 102+ for stretching apparatus for sheets of cloth.
- 100, Presses, appropriate subclasses for presses not elsewhere provided for.
- 156, Adhesive Bonding and Miscellaneous Chemical Manufacture, appropriate subclasses for laminating combined with a shaping step and see especially subclasses 339+.
- 425, Plastic Article or Earthenware Shaping or Treating: Apparatus, subclasses 383+ for molding apparatus comprising a preform reshaping or resizing means, or a vulcanizing means including a conforming preform support.

- 52.1** Special machines for ironing collars, cuffs, or neckbands.

SEE OR SEARCH CLASS:

- 38, Textiles: Ironing or Smoothing. or ironing machines in general.

- 52.2** Collar or cuff ironers which fold the collar or cuff on a fold line and which curl the collar or cuff.

- 52.3** Collar or cuff ironers which fold the collar or cuff on a fold line.

- 52.4** Collar or cuff ironers which curl the collar or cuff.

- 52.5** Collar, cuff or neckband ironers which iron an edge of the collar, cuff or neckband.

- 52.6** Collar ironers which iron the folded edge of a collar.

- 53** Machine methods of and machines for manufacturing corsets.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

- 27, for devices and methods for making and attaching garment stiffeners, including devices for making corset parts.

SEE OR SEARCH CLASS:

- 2, Apparel, subclasses 255+ for garment stiffening and staying.

- 450, Foundation Garments, subclasses 7+ and 94+ for corsets combined with brassieres and for corsets, respectively, and subclasses 92 and 155 for hand methods of making the above-noted articles, respectively.
- 54** Machine methods of and machines for making dress shields.
- (1) Note. See the class definition for the line with regard to garment and sanitary pads.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
57,
- SEE OR SEARCH CLASS:
2, Apparel, subclass 53.
- 57** Devices and methods of shaping or reshaping an article of apparel or part thereof and similar articles as pads, bandages, and the like, by a pressing or molding operation.
- (2) Note. For pressing garments on a form conforming to the shape of the garment, and by one operation see this class.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
2+, 12+, 21, and 52+.
12+, 24+, for pressing hats.
- SEE OR SEARCH CLASS:
12, Boot and Shoe Making, subclass 21, 22, 48, 64+, for pressing and forming leather articles.
38, Textiles: Ironing or Smoothing, for pressing cloth and for ironing clothing and analogous articles such as, e.g., table and bed linens.
44, Fuel and Related Compositions, for apparatus and methods for molding of plastics, see Classes
69, Leather Manufactures, subclass 7, 8 and 37-48, for pressing and forming leather articles.
100, Presses, for presses in general.
162, Paper Making and Fiber Liberation, for apparatus and methods for molding of plastics.
- 264, Plastic and Nonmetallic Article Shaping or Treating: Processes, for apparatus and methods for molding of plastics.
- 60** Means and methods for pressing a stocking. Usually the form is heated either by the press plates or an internal steam or hot-air or water current.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
76, 77.
- 61** Various devices and methods of stretching not otherwise provided for below.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
15, for hat shaping devices employing stretching.
- SEE OR SEARCH CLASS:
29, Metal Working, subclass 235 for devices for stretching resilient sleeves for assembling articles within them.
38, Textiles: Ironing or Smoothing, subclass 102.1 for a cloth stretcher frame.
69, Leather Manufactures, subclasses 19.1+ for a skin or hide stretcher.
72, Metal Deforming, subclasses 296+, 302, 378 and 392 for a method or an apparatus for stretching metal beyond its elastic limit.
- 63** Frames or the like to be placed inside the sleeve or leg and expanded to stretch and/or crease the same.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
72+, 75+, and 78+, for inside forms of fixed form or adjustable over which other articles may be placed for exhibition, drying, shrinking, or stretching.
- 65** This subclass is indented under subclass 61. Devices coming in which the stretching is effected by a stretching frame inside the tie.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
82,

- 66** Miscellaneous structures in the nature of a form over which a garment may be fitted and which serves to impart a shape to the garment preventing wrinkling and simulating its appearance when worn, and for purposes of storage or display.
- (1) Note. These devices also serve to prevent shrinkage and when adjustable in size may serve as stretchers. Stretchers when stretching is due to the size, character or adjustability of the form itself are here or in subclasses 63 and 65; otherwise, for stretching search the subclasses of stretchers.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
24, 25, 26, for hat blocks.
- SEE OR SEARCH CLASS:
12, Boot and Shoe Making, for lasts.
211, Supports: Racks, subclasses 30+ and 34+.
425, Plastic Article or Earthenware Shaping or Treating: Apparatus, subclass 402 for a preform reshaping surface, per se.
- 67** This subclass is indented under subclass 66. Forms coming which are inflatable in whole or part.
- SEE OR SEARCH CLASS:
12, Boot and Shoe Making, subclass 114.4 for forms for shaping and stretching shoes, which are inflated by pneumatic pressure while inserted in the shoe.
- 68** This subclass is indented under subclass 66. Devices coming simulating the appearance of dress, coat, or skirt.
- SEE OR SEARCH CLASS:
33, Geometrical Instruments, subclasses 11 through 16 for devices for and methods of laying out and measuring, using sometimes forms expansible and contractile to fit the person.
- 69** Devices in the nature of flat expansible frames simulating the outline of a coat, skirt, etc., on which the garment may be stretched to shrink, dry, or display it.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
51, 63, 76, 79.
- 70** This subclass is indented under subclass 68. Devices coming having heating or steaming means.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
51, 73, 76, 79.
- 71** Devices in the nature of substantially flat or planar forms to assist in retaining the shape or form of a laundered dress, coat or skirt for use in display, storage, or as a laundry or travel accessory.
- 72** This subclass is indented under subclass 66. Constructions coming in the general form of a tubular article as a sleeve or trouser-leg upon which an article may be placed for display, or to dry and shrink, or for other purposes.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
63, for internal trouser stretching frames.
- 73** This subclass is indented under subclass 72. Devices coming having means internal or external to heat or steam the article placed on the form.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
51, for heating and steaming hats.
69, 70, 76, and 79. for heating and steaming forms for coats, gloves and stockings.
- 74** This subclass is indented under subclass 72. Devices coming which are expansible to fit different sized garments or to stretch the same.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
61+, if specific stretching means other than the mere adjustability to size of the form are present.
63, for inside expansible frames as stretchers.

- 75** This subclass is indented under subclass 66. Devices coming in form of a stocking or stocking-foot.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
60,
- 76** This subclass is indented under subclass 75. Devices coming having forms combined with heating means as electrical, hot water, or steam systems. Also forms per se specially adapted to be used in connection with such heating means.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
51, 60, 70, 76, and 79.
- 77** This subclass is indented under subclass 76. Forms coming having means to expand them in one or more directions.
- 78** This subclass is indented under subclass 66. Forms coming in the form of a hand or part of a hand.
- SEE OR SEARCH CLASS:
623, Prosthesis (i.e., Artificial Body Members), Part Thereof, or Aids and Accessories Therefor, subclasses 57+ for artificial hands designed to replace missing members of a living human body.
- 79** This subclass is indented under subclass 78. Devices coming having heating or steaming means.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
51, 60, 70, 73, and 76, for heating forms for other articles.
- 80** This subclass is indented under subclass 78. Devices coming which are expansible, usually to stretch a glove or finger.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
74, 77, for other expansible forms.
79, for heated expansible forms.
- 81** This subclass is indented under subclass 66. Forms coming shaped to conform to articles of neckwear as collars and ties.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
65, for inside stretcher frames.
- 82** This subclass is indented under subclass 81. Devices coming to be placed inside the tie or other article.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
65, for stretching frames inside a tie.
- 83** Miscellaneous devices for retaining the form of collars, ties, etc., usually in connection with putting up laundered articles, or as baggage, packing or traveling accessories.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
71, 84.
- 84** Miscellaneous devices for retaining the shape or form of an article of apparel, usually to retain the form of a laundered article but, also, for display purposes.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
71, 83.
- 85** Devices having features specially adapting them to suspend garments.
- (1) Note. These are distinguished from forms, this class, in that the latter are designed to simulate to a greater or less extent the human form to support and shape the garment as it is when worn. The mere rounded top coat hanger is in hangers.
- SEE OR SEARCH CLASS:
24, Buckles, Buttons, Clasps, etc., subclass 716 for a hanger device (e.g., hook) for portable article support (e.g., coat hanger).
140, Wireworking, subclass 81.5 for processes and apparatus for forming wire garment hangers.

- 206, Special Receptacle or Package, subclasses 278+ for a container specially adapted to contain garments and made-up articles of cloth. Includes a former, coating with the container, for holding the article in shape and a special former for packing and not capable of use for display.
- 211, Supports: Racks, subclasses 30+, 38 for hat and shoe supports, and hangers; for other suspending supports, see subclasses 113+, and 45+, which are in general for supporting plural articles. Also see this class for devices which may be used for suspending a garment and equally well for suspending other articles, having no special adaptation for garment hanging.
- 248, Supports, for other suspending supports, see various subclasses of suspended support in this class, which are in general for supporting single articles; also see this class for devices which may be used for suspending a garment and equally well for suspending other articles, having no special adaptation for garment hanging; also for hooks, per se.
- 86** This subclass is indented under subclass 85. Hangers coming , having means to retain perfumery or insect repelling material.
- 87** This subclass is indented under subclass 85. Hangers coming , made of sheet material, usually a flexible cardboard.
- 88** Garment hangers constructed to support more than one garment at a time, the garments being of different types.
- 89** Combined type hangers constructed to be either foldable or telescopic.
- 90** Foldable or telescopic hangers of the combined type having a clamp or clamps for supporting garments.
- 91** Combined type hangers having a clamp or clamps for supporting garments.
- 92** Garment hangers constructed to support a coat or dress. These hangers for the most part are of the simple single supporting bar type.
- 93** Coat or dress hangers having a clamp or clamps for supporting garments.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
90, and 91, for clamp type garment hangers in combined form.
- 94** Coat or dress hangers constructed to be either foldable or telescopic.
- (1) Note. Coat or dress hangers which are both “with clamp” and “foldable or telescopic”, will be classified in subclass 93, and cross-referenced into subclass 94.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
89, for combined type hangers which are foldable or telescopic.
- 95** Garment hangers constructed to support a skirt or trousers.
- SEE OR SEARCH CLASS:
211, Supports: Racks, subclasses 45+, 113+.
- 96** Skirt or trousers hangers having a clamp or clamps for supporting garments.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
90, and 91, for clamp type garment hangers in combined form.
- 97** Garment hangers constructed to support a fur scarf or muff or both.
- 98** Devices, frequently cardboard, to be placed over the hanger, or over the hanger and garment to protect the latter from dust or from injury by the hanger.
- SEE OR SEARCH CLASS:
150, Purses, Wallets, and Protective Covers, subclasses 154+ for a flaccid protective cover which is configured for and supported by the article it protects.
312, Supports: Cabinet Structure, subclasses 3+.

99 Devices for threading needles.

SEE OR SEARCH CLASS:

- 29, Metal Working, subclass 241 for apparatus for assembling and disassembling by a stringing action, either by stringing parts on an attenuated or elongated means or by passing such means through a part or parts.
- 112, Sewing, subclasses 222 through 225 for threading devices in connection with sewing machines.

100 Forms over which material is placed to hold in position for darning.

SEE OR SEARCH CLASS:

- 28, Textiles: Manufacturing, subclasses 149+ for thread frames not provided for elsewhere.
- 66, Textiles: Knitting, subclass 2.

101 Hand devices for pushing and/or pulling a needle or pin through the work.

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 99, for combined thimbles and threaders.

SEE OR SEARCH CLASS:

- 2, Apparel, subclass 21 for finger cots.
- 7, Compound Tools, subclass 121 for thread cutters combined with thimbles.
- 30, Cutlery, appropriate subclasses, for thread cutters, per se.

102 The general subclass for pointed instruments having an eye, hook or equivalent to attach to a thread, tape, or the like, for sewing, threading, or attaching the thread to a fabric.

- (1) Note. This subclass includes button setting apparatus having an eye or hook which engages a button-eye or button-attaching thread means. See (2) Note under subclass 44 above.

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 44, for other button-attachers.

SEE OR SEARCH CLASS:

- 29, Metal Working, subclass 241 for apparatus for assembling and disassembling by a stringing action, either by stringing parts on an attenuated or elongated means or by passing such means through a part or parts.
- 66, Textiles: Knitting, subclasses 116+ for knitting needles.
- 57, Textiles: Spinning, Twisting, and Twining, subclass 23 for marlin spikes.
- 83, Cutting, appropriate subclasses, particularly subclass 30 for method of puncturing, subclass 95 for means to stack a product by spindling or perforating, and subclass 660 for a pointed perforator, per se.
- 112, Sewing, subclasses 222+, for sewing machine needles.
- 163, Needle and Pin Making, or needle making, see Class
- 206, Special Receptacle or Package, subclasses 380+ for a needle package.
- 289, Knots and Knot Tying, subclass 16 for needles or machines for tying cords or strands.
- 402, Binder Device Releasably Engaging Aperture or Notch of Sheet, subclass 7 for a device of that class including a sheet retainer which impales one or more sheets and inserts a binder strand therethrough.
- 606, Surgery, subclasses 222+, for surgical needles.

103 This subclass is indented under subclass 102. Devices coming and specially constructed to insert a tape as distinguished from a cord or thread.

104 This subclass is indented under subclass 102. Devices coming and in the nature of awls. They usually have handles and frequently carry in the handle a thread supply.

SEE OR SEARCH CLASS:

- 12, Boot and Shoe Making, subclass 103.
- 83, Cutting, appropriate subclasses, particularly subclass 660 for a pointed perforator, per se.
- 112, Sewing, subclass 48 and 169.

- 606, Surgery, subclasses 144+, for mechanical suture or ligature applying devices including spool thread supply devices carried on the needle handle.
- 105** Devices used to thread a curtain pole or rod through a curtain or shade loop.
- SEE OR SEARCH CLASS:
29, Metal Working, subclass 241 for apparatus for assembling parts by stringing.
- 106** Miscellaneous stands, racks, and holders, especially designed to hold sewing accessories such as work, spools needles, pins, scissors, etc.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
100, for darning lasts hollowed to contain needles, spools etc.
- SEE OR SEARCH CLASS:
132, Toilet, for toilet kits.
206, Special Receptacle or Package, subclass 227 for a kit package including thread, subclasses 349+ for a tool or appliance container and subclasses 389+ for a roll, reel or spool container; also see this class for compartment boxes.
217, Wooden Receptacles; for compartment boxes
220, Receptacles, and 229, Paper Receptacles, for compartment boxes
211, Supports: Racks, for racks.
221, Article Dispensing, for stands, racks and holders including article dispensing means.
242, Winding, Tensioning, or Guiding, for spool holders, per se.
312, Supports: Cabinet Structure, for cabinets generally.
- 107** This subclass is indented under subclass 106. Devices coming distinguished in that they have as important or dominant features a basket or box to hold the spools, implements, or work.
- 108** Devices for holding pins, needles, thimbles, and other implements for use in sewing.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
106, 107, for implement holders combined with spool holders.
- 109** Devices for holding needles and pins.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
106, 107, 108, to complete a search for pin cushions.
- SEE OR SEARCH CLASS:
206, Special Receptacle or Package, see (3) Note under subclass 106 above.
- 111** Devices to assist in putting on or removing garments from the person.
- SEE OR SEARCH CLASS:
294, Handling: Hand and Hoist-Line Implements, subclass 3.6, for tools which are intended to pull the slider of a zipper up or down, even when the only disclosed use is to assist in the putting on or taking off of a garment.
- 112** Devices to remove stockings and other garments from forms, usually of drying or treating machines.
- 113** Various types of devices for aiding in putting on or taking off boots, shoes, or overshoes.
- 114** Devices for engaging the heel or the heel and toe of a boot or shoe to aid in its removal. Some are straps in the form of a kind of harness.
- 115** The jack can be folded upon itself or against the wall, chair, or other support to which attached.
- 116** The heel-engaging jaws move generally through not always automatically to grip the heel of the boot or shoe more firmly.
- 117** The jack has means for engaging both the heel and the toe of the boot or shoe.
- 118** Devices to be temporarily inserted in shoes to facilitate putting on the latter.

- 119** The horn has means for gripping the shoe-upper, so a pull can be applied to the shoe.
- 120** Supports, bases and stands claimed in connection with apparatus in this class.

SEE OR SEARCH CLASS:

- 248, Supports, for supports, bases and stands for more general application.
- 269, Work Holders, appropriate subclasses. Class 269 is the residual locus for patents to a device for clamping, supporting and/or holding an article (or articles) in position to be operated on or treated. See notes thereunder for other related loci.

END