

CLASS 163, NEEDLE AND PIN MAKING

SECTION I - CLASS DEFINITION

This class contains special apparatus and processes for the manufacture of crocheting, knitting, and sewing needles, both for hand and machine use; also, machines and processes for making garment-fastening pins of the ordinary form, as well as safety pins. All such single operations as bending, swaging, groove-milling, point-grinding, turning, and the like will be found in appropriate subclasses under the corresponding functional title.

SECTION II - REFERENCES TO OTHER CLASSES

SEE OR SEARCH CLASS:

- 53, Package Making, appropriate subclasses for methods of and apparatus for encompassing or encasing goods or materials with a separate cover or band which serves as means for identifying, protecting or unit handling the goods or materials.
- 72, Metal Deforming, appropriate subclasses for a specified metal shaping operation.
- 140, Wireworking, appropriate subclass for devices for making wire objects, including hair pins.
- 221, Article Dispensing, subclasses 156+ for article orienting dispensing and feeding subcombinations not otherwise provided for, and subclasses 175+ for devices for forming stacks of disarranged articles, included in an article dispensing or feeding combination.
- 223, Apparel Apparatus, subclasses 108 and 109 for needle holders.
- 227, Elongated-Member-Driving Apparatus, subclass 65 for apparatus for buckling work and inserting a member, e.g., pin, through the buckled portion.

SUBCLASSES

- 1 NEEDLE MAKING:**
This subclass is indented under the class definition. Miscellaneous devices for completing the manufacture or for performing two or more operations upon sewing-needles for either hand or machine use.

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 4, for rotary blank carrier.

SEE OR SEARCH CLASS:

- 451, Abrading, subclass 315 for a needle-eye polisher.

- 2 Knitting needles:**
This subclass is indented under subclass 1. Machines and the like for making hook-ended needles for knitting or crocheting fabrics.

- 3 Tongued:**
This subclass is indented under subclass 2. Special machines for making tongued needles for knitting-machines or for attaching the tongues or latches to the bodies of such needles.

- 4 Rotary blank carrier:**
This subclass is indented under subclass 1. Needle-making machines having sets of grippers radially arranged on a circular carrier which has a step-by-step rotation to bring the needle-blanks into position to be operated upon by the various shaping devices. In some cases a plurality of carriers is shown, together with means for transferring the blank from one carrier to another.

SEE OR SEARCH CLASS:

- 221, Article Dispensing, subclasses 217+ for article dispensers, not otherwise classified, which have endless belt or rotary mounted gripper-type discharge assistants, subclasses 224+ for article dispensers having manipulating means subsequent to discharge from a source of supply, and subclasses 239 and 294 for article dispensers feeding to clamp or holddown means. See the class definition of Class 221 for a statement of the line between the classes and for the disposition of other similar disclosures.
- 470, Threaded, Headed Fastener, or Washer Making: Process and Apparatus, subclass 129 for similar carriers.

5 Processes:

This subclass is indented under subclass 1. Miscellaneous methods of making sewing and knitting needles, both for hand and machine use.

- (1) Note. For such processes as are discernible from an inspection of the article itself, see the search notes below.

SEE OR SEARCH CLASS:

66, Textiles: Knitting, subclasses 116+
for needles.
112, Sewing, subclasses 222+ for needles.
223, Apparel Apparatus, subclasses 102
through 104 for needles.

6 PIN MAKING:

This subclass is indented under the class definition. Devices for cutting, heading and pointing ordinary straight pins.

7 Safety pins:

This subclass is indented under subclass 6. Machines and processes for making sheath-pointed garment-fastening pins. In most cases the machines are for shaping and attaching to the wire body the sheet-metal point-shield.

END