

**CLASS 131, TOBACCO****SECTION I - CLASS DEFINITION**

This class includes:

(A) Products containing tobacco or tobacco substitutes intended for personal use for smoking or chewing or for use as snuff.

(B) Processes and apparatus for manufacturing the products set forth in paragraph (1) where not elsewhere provided for.

(C) Processes and apparatus for treating tobacco preliminary or subsequent to manufacturing into products of paragraph (1) where not elsewhere provided for.

(D) Appliances peculiarly adapted to use by smokers where not elsewhere provided for.

**SECTION II - NOTES TO THE CLASS DEFINITION**

- (1) Note. The word "tobacco", as used in this class, is considered generic to any material which may be smoked or may be substituted for real tobacco.
- (2) Note. Tobacco product manufacturing apparatus may be claimed in combination with apparatus of another classified art. When such is the case, the combination will be found with the other classified art, if the tobacco product manufacturing apparatus is in name only, or no more of the apparatus is claimed than is necessary to support the operation of the other classified art device.

**SECTION III - LINES WITH OTHER CLASSES AND WITHIN THIS CLASS****LINE WITH CLASS 34**

The line between Class 34 and Class 131 is as follows: Tobacco drying apparatus, per se, is in Class 34. Tobacco drying apparatus combined with means to perform other operations and tobacco drying processes are in Class 131.

**SECTION IV - SUBCLASS REFERENCES TO THE CURRENT CLASS**

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 77, through 83, for apparatus and processes for making cigarette mouthpieces and cigarette tubes.
- 133+, for dynamic type humidifying apparatus combined with tobacco handling means.
- 250.1, for a cigar or cigarette end cutter considered as a tobacco users' appliance.
- 353+, for a process or apparatus for making reconstituted tobacco, per se.

**SECTION V - REFERENCES TO OTHER CLASSES**

SEE OR SEARCH CLASS:

- 30, Cutlery, subclass 109 and indented subclasses for hand manipulable cigar tip cutters.
- 34, Drying and Gas or Vapor Contact With Solids, appropriate subclasses for apparatus for drying tobacco or tobacco articles. (See Lines With Other Classes and Within This Class, Line With Class 34, above.)
- 40, Card, Picture, or Sign Exhibiting, subclass 321 and subclasses 299.01+, for cigars and cigarettes carrying indicia wherein the only modification of these products is to receive the indicia, and in particular subclasses 638 and 670 for labels for tobacco products
- 47, Plant Husbandry, appropriate subclasses for tobacco plant husbandry.
- 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 material, particularly subclasses 396+ and 582+ for band type encasing; subclasses 148+ and 236 for packing long, slender articles (e.g., cigars, cigarettes) and subclass 198 for cigar banding.
- 55, Gas Separation, for gas or smoke filters of general utility and in which neither the disclosure nor a claim is directed solely to a filter for a tobacco users' appliance.
- 56, Harvesters, subclass 27.5 for tobacco harvesting.
- 57, Textiles: Spinning, Twisting, and Twining, particularly subclass 28 and indented subclasses for tobacco spinning,.

- 83, Cutting, subclasses 252, 253, and 313+ for cutting of tobacco, except for that which is provided for in this class (131). It should also be noted that apparatus to perforate an article will be found in Class 83. However, due to the uniqueness of the subject matter, apparatus and methods to perforate tobacco or a tobacco product will be found in this class (131).
- 118, Coating Apparatus, appropriate subclasses for coating apparatus, per se.
- 156, Adhesive Bonding and Miscellaneous Chemical Manufacture, appropriate subclasses for assembling, per se, of mouthpiece sheets and wrapper webs.
- 162, Paper Making and Fiber Liberation, subclasses 100+ for paper made from tobacco which is not disclosed as being for personal use as defined in Class 131.
- 201, Distillation: Processes, Thermolytic, appropriate subclasses for destructive distillation processes for solid carbonaceous material.
- 202, Distillation: Apparatus, appropriate subclasses for destructive distillation apparatus.
- 206, Special Receptacle or Package, appropriate subclasses for pocket and personal use receptacle for cigars and tobacco, particularly subclasses 85+ for a tobacco container combined with an igniter means for the tobacco, subclasses 96+ for a match container including smoking debris receiver means, subclasses 236+ for a pocket or personal use container for a tobacco product and some other article or material-which combination is not elsewhere classified, and subclasses 242+ for a container for tobacco, pipe, cigar, or cigarette. Where significant tobacco product structure or composition is claimed, classification is in the appropriate subclass of this (131) class.
- 209, Classifying, Separating, and Assorting Solids, appropriate subclasses for sorting, per se, of leaf tobacco or tobacco products.
- 211, Supports: Racks, particularly subclass 70.3 for pipe racks.
- 221, Article Dispensing, appropriate subclasses for devices for dispensing tobacco products either as individual entities or in packages. Classification is in Class 221 when no tobacco users' appliance is claimed in combination therewith.
- 229, Envelopes, Wrappers, and Paperboard Boxes, subclasses 87.12 through 87.14 for cigar, cigarette, or tobacco wrappers.
- 239, Fluid Sprinkling, Spraying, and Diffusing, subclasses 34+ for static type humidifiers (slow diffusers) without a receptacle, and appropriate subclasses, particularly subclasses 340+ and 398+ for dynamic type humidifying apparatus.
- 241, Solid Material Comminution or Disintegration, appropriate subclasses for the indiscriminate cutting or comminution of tobacco when the comminutor is of that class (241) type.
- 261, Gas and Liquid Contact Apparatus, appropriate subclasses for dynamic type humidifying apparatus.
- 283, Printed Matter, subclass 71 for revenue stamps, etc., where the invention is in the stamp, per se.
- 294, Handling: Hand and Hoist-Line Implements, subclass 5.5. for tobacco sticks and hangers.
- 312, Supports: Cabinet Structure, subclasses 31+ for static type humidifying receptacles for tobacco or tobacco products.
- 383, Flexible Bags, appropriate subclasses for a tobacco pouch, per se.
- 414, Material or Article Handling, subclass 26 for tobacco stringing and unstringing.
- 424, Drug, Bio-Affecting and Body Treating Compositions, appropriate subclasses and particularly subclass 197 for a composition of that class including a product obtained or extracted from tobacco.
- 426, Food or Edible Material: Processes, Compositions, and Products, subclasses 3+ for chewing gum containing no tobacco fiber.
- 431, Combustion, subclasses 129+ for a burner assembly having an igniter and a cover, and that is generally used for lighting a cigar or cigarette.
- 435, Chemistry: Molecular Biology and Microbiology, appropriate subclasses for tobacco extracts made by fermentations and processes for their manufacture.
- 451, Abrading, subclasses 419+ and indented subclasses for cigarette tube or continuous tobacco rod cutters with sharpening means of the grinding type.
- 460, Crop Threshing or Separating, subclasses 123+ for the concept of removing a tobacco leaf from the stalk.
- 493, Manufacturing Container or Tube From Paper; or Other Manufacturing From a Sheet or Web, e.g., subclasses 39+ for a process or apparatus for cigarette filter making in which reconstituted tobacco is used as the filter material is properly classified in Class 493 unless it is disclosed that the filter itself can be smoked. Such disclosure would cause placement in Class 313.

- 514, Drug, Bio-Affecting and Body Treating Compositions, appropriate subclasses, especially subclass 343 for a composition of that class including a product obtained or extracted from tobacco.
- 546, Organic Compounds -- Part of the Class 532-570 Series, particularly subclass 282 for nicotine containing extracts in general and processes of making.
- 800, Multicellular Living Organisms and Unmodified Parts Thereof and Related Processes, subclass 317.3 for a living tobacco plant, per se.

## SUBCLASSES

- 27.1 Including cooperating surfaces to induce rolling:**  
This subclass is indented under subclass 280. Subject matter having coactive elements which act to revolve the tobacco or tobacco substitute during the manufacture of the smoking product, e.g., to form a cigar or cigarette, place a wrapper thereon, or preform analogous operations.

## SEE OR SEARCH CLASS:

- 53, Package Making, subclasses 211+ for apparatus which forms a package by rotating the contents to bring together the edges which make up the longitudinal seam of the cover material and subclasses 528+ for cigar banding apparatus.
- 100, Presses, subclasses 155+ for concurrent pressing and conveying devices of the roll type, not elsewhere provided for.

- 28 Combined:**  
This subclass is indented under subclass 27.1. Devices for rolling cigars or cigarettes combined with devices for performing other operations.

## SEE OR SEARCH CLASS:

- 100, Presses, subclass 102 for presses combined with other features and not elsewhere provided for.

- 29 With tip or mouthpiece applier or former:**  
This subclass is indented under subclass 28. Combinations including distinct means for either applying a tip or mouthpiece or for forming a tip or mouthpiece.

- (1) Note. Where the tip forming means is merely an integral part of the rolling means, classification is below in subclasses 47+, 55, 56, and 57.

## SEE OR SEARCH THIS CLASS, SUBCLASS:

- 61.1, 71, 72, 76, and 88+, for tip or mouthpiece applying or forming operations.

- 30 With stationary smoother:**  
This subclass is indented under subclass 29. Combinations provided with a tip forming means comprising a tip smoothing device having stationary parts.

- 31 With tobacco treatment:**  
This subclass is indented under subclass 28. Combinations in which the rolling mechanism is provided with means to treat the tobacco to change its physical or chemical character.

## SEE OR SEARCH THIS CLASS, SUBCLASS:

- 62, 63, 64.1, 79, and 290+, for tobacco treatment, per se.

## SEE OR SEARCH CLASS:

- 100, Presses, subclasses 70+ for presses not elsewhere provided for combined with means to treat the material pressed.

- 32 With subsequent wrapping or forming operations:**  
This subclass is indented under subclass 28. Combinations in which the tobacco article is subjected to further forming or wrapping operations subsequent to the rolling operation.

- 33 With wrapper cutter:**  
This subclass is indented under subclass 28. Combinations in which the rolling device is provided with means to cut the wrapper either prior to or during the rolling operation.

- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
58, 73 and 97+, for wrapper cutters, per se.
- 34 Continuous wrapper:**  
This subclass is indented under subclass 33. Combinations provided with mechanism which severs wrappers from a continuous sheet.
- 35 With adhesive supply or applier:**  
This subclass is indented under subclass 33. Combinations in which there is provided means for supplying or applying adhesive to the wrapper.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
34, for similar organizations combined with continuous wrapper cutters.  
37, 69 and 90, for adhesive supply or applier means in other cigar or cigarette making organization.
- SEE OR SEARCH CLASS:  
118, Coating Apparatus, subclasses 35+ for coating apparatus of general application combined with cutting means.  
427, Coating Processes, subclasses 207.1+ for coating processes in general wherein an adhesive coating is used.
- 36 With pre-cut wrapper feed and/or holder or smoother:**  
This subclass is indented under subclass 28. Combinations in which the rolling device is provided with (1) means to feed precut wrappers thereto, (2) means to hold a portion of the wrapper during the rolling operation or (3) means to smooth the wrapper prior to rolling.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
33+, for wrapper feeders combined with wrapper cutters.  
105, for leaf transfer and/or holder, per se.  
315+, 324 and 325, for leaf smoothers or ironers, per se.
- 37 With adhesive supply or applier:**  
This subclass is indented under subclass 28. Combinations in which the rolling device is provided with means to supply or apply adhesive to the wrapper.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
35, and the search notes appended to the definition thereof.
- 38 With filler tobacco or bunch feeder:**  
This subclass is indented under subclass 28. Combinations provided with means to feed the tobacco or tobacco bunch to the rolling apparatus.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
36, for wrapper feeders.  
81.1, and 108+, for tobacco feeders, per se.  
904, and 910, for tobacco feeders with automatic control of weight or density.
- SEE OR SEARCH CLASS:  
100, Presses, subclass 173 for roll type concurrent pressing and conveying devices, not elsewhere provided for, having means for guiding or handling the material.
- 39 With plural feed:**  
This subclass is indented under subclass 38. Combinations provided with a plurality of tobacco or bunch feeders. This includes means for feeding a plurality of grades of tobacco to a common feed means for the machine.
- SEE OR SEARCH CLASS:  
221, Article Dispensing, subclasses 92+ for article dispensers having plural sources and means to dispense articles therefrom.  
222, Dispensing, for plural feeders, per se, particularly subclasses 129+.
- 40 With bunch separator:**  
This subclass is indented under subclass 38. Combinations in which the tobacco feeder is provided with means to separate the tobacco into bunches.

- 41 With bunch pre-compressor:**  
This subclass is indented under subclass 40. Combinations in which the tobacco bunch is subjected to compression, usually for the purpose of preshaping it.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
45, for precompressors in organizations having no filler or bunch feeder.  
77, for cigar and cigarette molding, per se.
- 42 Ribbon feed:**  
This subclass is indented under subclass 41. Combinations in which tobacco is fed to the bunch separator in the form of a shallow stream. The width of the stream usually represents the length of the tobacco article to be formed.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
60, and indented subclasses, for devices for forming tobacco articles in which filler material is formed into a rod.  
84.1+, for continuous rod forming, per se.
- 43 Table mold:**  
This subclass is indented under subclass 41. Combinations in which the compression takes place against the apron supporting table.
- 44 With hopper discharger:**  
This subclass is indented under subclass 40. Combinations in which the bunch separator cooperates with a hopper provided with means to cause discharge.
- SEE OR SEARCH CLASS:  
222, Dispensing, appropriate subclasses, for hoppers or other supply containers with means for discharging the contents, and see the search classes listed in the main class definition.
- 45 With bunch pre-compressor:**  
This subclass is indented under subclass 28. Combinations including means for subjecting the tobacco bunch to compression prior to the rolling operation usually to preshape it.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
41, and indented subclasses, for precompressors combined with filler or bunch separators.
- SEE OR SEARCH CLASS:  
100, Presses, subclasses 139+ for plural diverse presses, not elsewhere provided for.
- 46 With end trimmer or completed article cutter:**  
This subclass is indented under subclass 28. Combinations in which the rolling mechanism is provided with means to trim the ends of the tobacco.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
63, 64.1+, 65, 83.1, and 91, for trimmers or completed article cutters in other cigar or cigarette making organizations.
- SEE OR SEARCH CLASS:  
30, Cutlery, subclasses 109+ for end or tip cutters.  
83, Cutting, appropriate subclasses for a cutter of that class (83) type which may include end cutters.  
99, Foods and Beverages: Apparatus, subclasses 635+ for food end or tip removers.  
100, Presses, subclass 94 for presses not elsewhere provided for, combined with means for cutting, breaking, piercing or comminuting the material.
- 47 Apron type:**  
This subclass is indented under subclass 27.1. Rolling devices including an apron member which substantially encloses the tobacco in a single loop or bight during the rolling operation. End shaping means consisting of means which merely change the conformation of the apron or form a part of other members such as rollers which contact the apron are here included.

- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
 29, and 30, for apron type devices combined with distinct tip forming means.  
 43, and 45, for apron supporting surfaces embodying a mold.
- SEE OR SEARCH CLASS:  
 53, Package Making, subclass 215 for apparatus for wrapping packages in which the rotation of the contents and cover material is occasioned by a flexible band which partially encircles the contents. For cigar banding apparatus, see subclass 198.  
 100, Presses, subclass 87 for presses having means for winding or folding a sheet, web or strand, not elsewhere provided for, where such winding or folding means is of the embracing belt loop type.
- 48 With moving table:**  
 This subclass is indented under subclass 47. Devices in which the bight in the apron rests upon a moving platform or table during the rolling operation. Includes endless belts as tables.
- 49 Rotating or oscillating table:**  
 This subclass is indented under subclass 48. Devices in which the table has a rotating or oscillating motion in completing a cycle of operation.
- 50 With stationary table:**  
 This subclass is indented under subclass 47. Devices in which the bight supporting member comprises a stationary platform or table.
- 51 With movable roll type member:**  
 This subclass is indented under subclass 50. Devices in which the bight of the apron is formed between the table and a roll or equivalent member which moves relative to the table to carry out the rolling operation.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
 57, for roller elements, per se.
- 52 Swinging roll support:**  
 This subclass is indented under subclass 51. Devices in which the movable roll member is supported by a member which pivots about one or more axes to move the apron bight across the table.
- 53 Vertical axis:**  
 This subclass is indented under subclass 52. Devices in which the swinging roll support pivots about a vertical axis or axes.
- 54 Aprons:**  
 This subclass is indented under subclass 47. Improvements in the apron element of apron type rolling machines. Hand manipulated aprons which comprise in themselves the rolling device are here included.
- 55 Belt type:**  
 This subclass is indented under subclass 27.1. Devices in which one of the cooperating rolling surfaces is an endless belt. Belts are distinguished from aprons classified above in that the former, unlike the latter, do not enclose the bunch in a single loop or bight.
- SEE OR SEARCH CLASS:  
 100, Presses, subclass 151 for concurrent pressing and conveying presses of the endless conveyer type, and not elsewhere provided for.
- 56 Roller type:**  
 This subclass is indented under subclass 27.1. Devices in which the cooperating rolling surfaces comprise a plurality of rollers. Tip forming devices are included when they are connected to or form a part of the forming rolls.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
 57, for rollers, per se.
- SEE OR SEARCH CLASS:  
 100, Presses, subclass 155 for roller type presses of the concurrent pressing and conveying type, not elsewhere provided for.

**57 Roller:**

Improvements under subclasses 27.1+ in the roller element, per se. Rollers of apron machines are here included. The rolls may be provided with tip shaping means when said means is part of the roll or is integrally connected thereto.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

29, and 30, for rolling surfaces combined with tip formers not parts of the rollers.

SEE OR SEARCH CLASS:

492, Roll or Roller, for a roll, per se, not elsewhere provided for, and see the notes thereunder.

**57.5 Drum and concave surface:**

This subclass is indented under subclass 27.1. Subject matter wherein the coactive elements include a cylinder cooperating with an associated inwardly curving, i.e., concave, element.

**58 Wrapping devices:**

This subclass is indented under subclass 280. Devices including means for applying a wrapper to a cigarette or cigar not elsewhere classified.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

27.1+, for devices wherein the wrapping is effected by cooperating rolling surfaces.

285, for devices wherein the wrapping is effected by sectional members which alternately release and engage the cigarette or cigar.

SEE OR SEARCH CLASS:

53, Package Making, appropriate subclasses particularly subclasses 396+ and 582+ for band type encasing, 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.

**59 Spirally wound continuous wrapper:**

This subclass is indented under subclass 58. Devices in which the tobacco to be wrapped is presented to a continuous wrapper which is fed angularly of the stream of tobacco to form a spiral wrapper.

(1) Note. For spiral wrapping, per se, of more general application, see Class 57, Textiles: Spinning, Twisting, and Twining subclasses 3 and 160 and their indented subclasses; 493, Manufacturing Container or Tube From Paper; or Other Manufacturing From a Sheet or Web, subclasses 299+ .

SEE OR SEARCH CLASS:

53, Package Making, subclasses 582+ for apparatus to apply a cover member, consisting of a band or tube, to a contents to form a package.

242, Winding, Tensioning, or Guiding subclasses 430+ for a process or apparatus for forming a composite article by wrapping material around a core, particularly subclasses 441+ for distributing the material along the core.

**60 Longitudinally fed continuous wrapper:**

This subclass is indented under subclass 58. Devices in which the tobacco to be wrapped is presented to a continuous wrapper which is fed longitudinally of the stream of tobacco. These machines are those usually referred to as "continuous rod" machines.

SEE OR SEARCH CLASS:

226, Advancing Material of Indeterminate Length, appropriate subclasses for methods of, and apparatus for, feeding material without utilizing the leading or trailing ends to effect movement of the material.

493, Manufacturing Container or Tube From Paper; or Other Manufacturing From a Sheet or Web, subclass 302 for paper tube manufacturing apparatus and processes including advancing of tube axially.

- 61.1 With tip or mouthpiece applier or former:**  
This subclass is indented under subclass 60. Subject matter including means to affix or configure either end, i.e., apply or form a tip or mouthpiece, of a cigar or cigarette.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
29+, 71+, 76, and 88+, for other tip or mouthpiece applying or forming operations.
- 62 With tobacco treatment:**  
This subclass is indented under subclass 60. Devices including means for treating the tobacco to change its physical or chemical character.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
31, 79 and 290, for tobacco treatment, per se
- 63 With completed article cutter:**  
This subclass is indented under subclass 62. Devices provided with means to cut a completed cigarette or cigar from the wrapped tobacco rod.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
65, for similar organizations without means for tobacco treatment.
- SEE OR SEARCH CLASS:  
83, Cutting, for a cutter of that class (83) type which may include a cigarette or cigar rod.
- 64.1 With tobacco rod preshaper:**  
This subclass is indented under subclass 63. Subject matter including means to compress or shape the tobacco before it is enclosed in the wrapper.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
66.1+, for preshaping not combined with tobacco treatment.  
84.1+, for tobacco rod formers, per se.
- 64.2 With transverse or longitudinal compression:**  
This subclass is indented under subclass 64.1. Subject matter wherein the means to compress or shape the tobacco includes means for applying a compacting force perpendicular to or along the long axis of the tobacco being shaped.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
66.2, for similar compression means not combined with tobacco treatment.  
84.2, for a continuous rod or ribbon former with transverse compression means.
- 65 With completed article cutter:**  
This subclass is indented under subclass 60. Devices provided with means to cut a completed cigarette or cigar from the wrapped tobacco rod.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
63, and 64.
- SEE OR SEARCH CLASS:  
83, Cutting, for a cutter of that class (83) type wherein a cigarette or cigar rod may be included.
- 66.1 With tobacco rod preshaper:**  
This subclass is indented under subclass 60. Subject matter including means to compress or shape the tobacco before it is enclosed in a wrapper.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
64.1+, for tobacco rod preshaping combined with tobacco treatment.  
84.1+, for tobacco rod formers, per se.
- 66.2 With transverse or longitudinal compression:**  
This subclass is indented under subclass 66.1. Subject matter wherein the means to compress or shape the tobacco includes means for applying a compacting force perpendicular to or along the long axis of the tobacco being shaped.



- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
64.2, for similar compression means combined with tobacco treatment.  
84.2, for a continuous rod or ribbon former with transverse compression means.
- 67 With wrapper sealing:**  
This subclass is indented under subclass 60. Devices provided with means to permanently seal the wrapper about the tobacco.
- SEE OR SEARCH CLASS:  
156, Adhesive Bonding and Miscellaneous Chemical Manufacture, appropriate subclasses, for seaming or sealing apparatus.  
493, Manufacturing Container or Tube From Paper; or Other Manufacturing From a Sheet or Web, subclasses 272+ for forming and coating a tube.
- 68 With heating means:**  
This subclass is indented under subclass 67. Devices provided with means for furnishing heat to the sealing means.
- 69 With adhesive supply or applier:**  
This subclass is indented under subclass 67. Devices provided with means for supplying or applying adhesive to the wrapper.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
34, 35, 37, and 90, for other cigar and cigarette machines having adhesive applying means.
- SEE OR SEARCH CLASS:  
118, Coating Apparatus, appropriate subclasses, for coating apparatus, per se.
- 70 Tube filling type:**  
This subclass is indented under subclass 58. Devices in which the tobacco is placed in a wrapper tube which is formed prior to the filling operation.
- 71 With tip or mouthpiece applier or former:**  
This subclass is indented under subclass 70. Devices provided with means for either applying or forming a tip or mouthpiece.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
29, 30, 61, 76, and 88 and indented subclasses, for tip or mouthpiece applying or forming operations.
- 72 Plug inserting:**  
This subclass is indented under subclass 71. Devices provided with means for inserting a plug into the end of a cigar or cigarette.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
94, for plug attaching or inserting, per se.
- 73 With tube making:**  
This subclass is indented under subclass 70. Devices provided with means other than the tobacco former for making the wrapper tubes.
- SEE OR SEARCH CLASS:  
493, Manufacturing Container or Tube From Paper; or Other Manufacturing From a Sheet or Web, subclasses 269+ for a tube making device or method in general.
- 74 With hopper feed of tubes:**  
This subclass is indented under subclass 70. Devices provided with hopper means for feeding the tobacco tubes to the filling device.
- SEE OR SEARCH CLASS:  
221, Article Dispensing, appropriate subclasses for article dispensers not otherwise provided for, and see the class definition of Class 221 for a statement of the class lines and for the disposition of related disclosures or article and strip feeding processes and apparatus.
- 75 Mold with encircling wrapper tube:**  
This subclass is indented under subclass 70. Devices in which the filler former member is adapted to be encircled by the wrapper tube or a portion thereof.
- (1) Note. Devices of this type have been placed in this subclass whether or not the placing of the tobacco in the wrapper tube is claimed.

**76 With tip or mouthpiece applicator or former:**  
This subclass is indented under subclass 58. Devices provided with means for either applying or forming a tip or mouthpiece.

SEE OR SEARCH THIS CLASS, SUBCLASS:

29, 30, 61.1, 71, 72, 88, and 285 and indented subclasses, for other cigar or cigarette machines having tip or mouthpiece applicators or formers.

**77 Molding or forming:**  
This subclass is indented under subclass 280. Devices comprising means for molding or otherwise forming the tobacco in the manufacture of cigarettes and cigars not elsewhere classified.

(1) Note. For sectional, alternate release and engaging devices which shape as well as wrap the bunch, see this class, subclass 285.

(2) Note. See this class, subclass 27.1 and indented subclasses, for forming by rolling.

SEE OR SEARCH THIS CLASS, SUBCLASS:

27.1, and indented subclasses, for forming by rolling.

285, for sectional, alternate release and engaging device which shape as well as well as wrap the bunch.

906, for structure sensing the condition or characteristic of a continuous tobacco rod.

SEE OR SEARCH CLASS:

100, Presses, appropriate subclasses for methods of compacting material and for presses not otherwise provided for.

425, Plastic Article or Earthenware Shaping or Treating: Apparatus, appropriate subclasses for molding apparatus for shaping or reshaping nonmetallic material not elsewhere provided for.

**78 Combined:**  
This subclass is indented under subclass 77. Combinations in which the molding or forming device is combined with another device. Com-

binations with supporting racks or tables are here included. For purposes of this classification the "other device" may be means for performing additional molding or forming operations.

SEE OR SEARCH THIS CLASS, SUBCLASS:

75, for combinations including formers adapted to be encircled by a wrapper tube.

SEE OR SEARCH CLASS:

100, Presses, subclass 102 for presses combined with other features, and not elsewhere provided for.

**79 With tobacco treatment:**  
This subclass is indented under subclass 78. Combinations including means to treat the tobacco to change its physical or chemical characteristics.

SEE OR SEARCH THIS CLASS, SUBCLASS:

31, 62, 63, 64.1, and 290 and indented subclasses for tobacco treatments, per se.

**80 With plural molding or forming:**  
This subclass is indented under subclass 78. Combinations including means for carrying out a plurality of molding or forming operations on the tobacco.

SEE OR SEARCH THIS CLASS, SUBCLASS:

32, 41-43 and 45, for similar subject matter involving rolling of the tobacco.

86, and 87 for means for simultaneously molding a plurality of cigars.

SEE OR SEARCH CLASS:

100, Presses, subclasses 193+ for plural presses not elsewhere provided for.

**81.1 With tobacco or bunch feed:**  
This subclass is indented under subclass 78. Subject matter including means to deliver the tobacco or a grouped amount of tobacco to the molding or forming device to be formed into a cigar or cigarette.

- (1) Note. Included in this subclass are means for separating bunches from ribbons even though no molding is claimed.

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 38+, 108+ and 280+, for tobacco feeders, and particularly subclass 42 for ribbon feed of tobacco to a bunch separator combined with structure having cooperating surfaces to induce rolling of the tobacco.

SEE OR SEARCH CLASS:

- 100, Presses, subclass 215 for reciprocating platen presses, not elsewhere provided for, having means to deposit material on the means supporting the material during the compressing operation.

**82 With bunch remover and/or transfer:**

This subclass is indented under subclass 78. Combinations in which the mold is provided with means to remove or eject the tobacco therefrom and/or means to transfer the formed bunch elsewhere.

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 41, through 43 and 45, for devices including this combination where the bunch is transferred to a rolling device.  
70, and indented subclasses, for such devices which insert tobacco into a wrapper tube.

SEE OR SEARCH CLASS:

- 100, Presses, subclass 218 for reciprocating platen presses, not elsewhere provided for, combined with means for discharging material from the press.

**83.1 With trimmer, perforator or slitter:**

This subclass is indented under subclass 78. Subject matter including means for (1) removing a portion of the cigar or cigarette, i.e., a trimmer, (2) puncturing or, (3) making a narrow cut in, i.e., slitting, the end thereof.

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 46, 63+, 65, and 91, for other cigar or cigarette machines combined with end trimmers, perforators, or slitters.  
233, for the combination of an end cutter and an ash receptacle.  
248+, for an end cutter.

**84.1 Continuous rod or ribbon former:**

This subclass is indented under subclass 77. Subject matter including means for shaping the tobacco into an unbroken shaft or thin band, i.e., ribbon, of indefinite length.

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 42, for ribbon feed of tobacco into a bunch separator combined with devices for rolling cigars or cigarettes.  
66.1+, for a tobacco rod preshaper used with a wrapping device having a longitudinally fed continuous wrapper.

**84.2 With transverse compression:**

This subclass is indented under subclass 84.1. Subject matter wherein the means for shaping includes the application of compacting pressure perpendicular to the longitudinal axis of the shaft or thin band.

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 64.2, and 66.2, for transverse or longitudinal compression means, (1) combined with or, (2) without tobacco treatment, respectively.

**84.3 With pneumatic assist for tobacco movement:**

This subclass is indented under subclass 84.1. Subject matter wherein the means for shaping includes a blown or pressurized gas used for transferring or separating the tobacco.

- (1) Note. Pneumatic condition or characteristic sensing means alone are not considered to be pneumatic assist proper for this subclass.

- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
904, for pneumatic means for sensing a condition or characteristic.
- 84.4 With trimmer for rod or ribbon:**  
This subclass is indented under subclass 84.1. Subject matter wherein the means for shaping includes structure for removing tobacco from the shaft or thin band.
- 85 Molds:**  
This subclass is indented under subclass 77. Improvements in the mold members of devices.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
75, for molds or formers which are adapted to be encircled by a wrapper.
- SEE OR SEARCH CLASS:  
249, Static Molds, appropriate subclasses, for molds, per se.
- 86 Plural:**  
This subclass is indented under subclass 85. Devices in which there is provided a plurality of cigarette or cigar molds.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
80, for machines for performing a plurality of molding or forming operations successively.
- SEE OR SEARCH CLASS:  
249, Static Molds, subclasses 119+ for plural article forming molds.
- 87 Rotary or endless carrier:**  
This subclass is indented under subclass 86. Devices in which the mold members are carried in whole or in part on rotary or endless members.
- SEE OR SEARCH CLASS:  
100, Presses, subclass 178 for concurrent pressing and conveying presses of the moving compression chamber type, not elsewhere provided for, having a platen or piston in the chamber, and subclass 222 for reciprocating platen presses having a belt indexing to forward plural material supports, and subclass 223 for reciprocating platen presses having a rotary support for plural or indexing material supports.
- 88 Tip or mouthpiece applying or forming:**  
This subclass is indented under subclass 280. Devices for either applying or forming a tip or mouthpiece on a cigarette or cigar. The application of ignition tips is here included.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
29, 30, 61.1, 71, 72, and 76, for cigarette making including tip or mouthpiece applying or forming.
- 89 End tucker, folder, crimper, smoother:**  
This subclass is indented under subclass 88. Devices comprising means to tuck, fold, crimp, or smooth the ends of cigarettes or cigars.
- 90 With adhesive supply or applier:**  
This subclass is indented under subclass 89. Devices provided with means to supply or apply adhesive.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
34, 35, 37, and 69, for adhesive appliers with other cigar or cigarette making organizations.
- SEE OR SEARCH CLASS:  
118, Coating Apparatus, appropriate subclasses, for coating apparatus, per se.
- 91 With cutter or trimmer:**  
This subclass is indented under subclass 89. Devices provided with a cutter or trimmer.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
46, 63, 64.1, 65, and 83.1, for end trimmers in various cigar and cigarette making organizations.
- 92 With heater and/or end punch:**  
This subclass is indented under subclass 89. Devices provided with a heater and/or an end punch.

- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
83.1, 233, 252, and 253, for end punches.
- SEE OR SEARCH CLASS:  
34, Drying and Gas or Vapor Contact With Solids, for driers, per se.
- 93 Rotating type:**  
This subclass is indented under subclass 89. Devices embodying rotating parts which contact the cigarette or cigar to carry out the tip forming function.
- 94 Plug attaching or inserting:**  
This subclass is indented under subclass 88. Devices comprising means for attaching or inserting a plug of material different from the remainder of the cigarette or cigar.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
72,
- 95 Sheet material tip:**  
This subclass is indented under subclass 88. Devices comprising means for attaching a sheet material tip to a cigar or cigarette.
- SEE OR SEARCH CLASS:  
156, Adhesive Bonding and Miscellaneous Chemical Manufacture, appropriate subclasses for processes and apparatus for making laminated sheet material stock for use in tipping cigars and cigarettes.
- 96 Recovery of tobacco from cigarettes and cigars:**  
This subclass is indented under subclass 280. Processes and apparatus for recovering tobacco from cigars and cigarettes. Usually the outside wrapper is cut to liberate the enclosed tobacco.
- 105 Wrappers holders and carriers:**  
This subclass is indented under subclass 280. Devices per se for holding or carrying a wrapper for a cigar or cigarette.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
33, through 36, 58 and 97, and their indented subclasses, for these devices
- claimed in combination with various cigar and cigarette making organizations.
- SEE OR SEARCH CLASS:  
271, Sheet Feeding or Delivering, appropriate subclasses for transferring devices in general.
- 106 Cigar tagging or labeling:**  
This subclass is indented under subclass 280. Processes and apparatus for applying tags or labels to cigars to cigarettes and not provided for specifically elsewhere.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
280+, for such apparatus combined with cigar or cigarette making organizations.  
347+, and 368, for tobacco products combined with labels or tags.
- SEE OR SEARCH CLASS:  
29, Metal Working, subclasses 428+ for a residual method of assembly not more specifically provided for elsewhere, and subclasses 505+ thereunder for joining two parts by deforming one around another. For binding and covering apparatus, see subclasses 243.57+, and when combined with a diverse means, as for cutting, see subclasses 33.5+.  
40, Card, Picture, or Sign Exhibiting, subclass 2 and indented subclasses, for tags or labels, per se.  
53, Package Making, subclass 137 for machines to form a package and to apply to the cover thereof a strip, stamp, gap filler or label, subclasses 396+ and 582+ for banding, per se, and subclasses 179 and 449 for plural layer cover application where at least one layer is a band.  
156, Adhesive Bonding and Miscellaneous Chemical Manufacture, appropriate subclasses, for methods and apparatus for wrapping and seaming, per se.  
227, Elongated-Member-Driving Apparatus, appropriate subclasses, for apparatus for applying a member, e.g., staple, to work.

**107 Bundling:**

This subclass is indented under subclass 280. Processes an apparatus for compacting or tying cigars or cigarettes into bundles.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

112, 113 and 114, for bundling plug tobacco shapes.

282, and 283, for bundling combined with cigar or cigarette making organizations.

327, for tobacco leaf bundling.

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, and see (40) and (41) Notes to the class definition for other methods and apparatus for bunching and banding or binding.

100, Presses, subclasses +1 for binding apparatus and methods not elsewhere classified.

**108 Tobacco feeding:**

This subclass is indented under subclass 280. Processes and apparatus for feeding tobacco not specifically provided for elsewhere. These devices usually are for the purpose of securing a uniform feed of granular tobacco to a cigar or cigarette machine.

(1) Note. For mere hopper discharging, see the search notes below.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

31, 38-44, 60-69, 79, 81.1, and 280+, for tobacco feeding in combination with cigar and cigarette making organizations.

SEE OR SEARCH CLASS:

198, Conveyors: Power-Driven, subclasses 329, 540+, 550.01+, for mere hopper discharging,

222, Dispensing, subclass 251, for mere hopper discharging,

414, Material or Article Handling, subclasses 226+, for mere hopper discharging,

**109.1 With brushing, carding, or picking means:**

This subclass is indented under subclass 108. Subject matter wherein tobacco is separated from a mass by a device in a bit by bit fashion, i.e., by a brushing, carding, or picking means.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

110, for tobacco feeding including separating tobacco fibers of different character.

311+, for tobacco treatment including leaf disintegration.

321, for stemming tobacco by carding.

SEE OR SEARCH CLASS:

19, Textiles: Fiber Preparation, subclasses 65+ and particularly subclasses 80+ and 98+ for picking and carding of fibers in general.

**109.2 With separator for tobacco dust, stems, or foreign material:**

This subclass is indented under subclass 109.1. Subject matter including means for separating offal type material from the tobacco being fed.

**109.3 With vibration tamper or rake:**

Subject matter under subclasses 109.1 including an agitating packer or comb for manipulating the tobacco being fed.

**110 With separator or suction device:**

This subclass is indented under subclass 108. Tobacco feeding wherein tobacco fibers of different character are separated or wherein a suction device is employed to assist the feeding operation.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

312, for separation combined with leaf disintegrating.

SEE OR SEARCH CLASS:

209, Classifying, Separating, and Assorting Solids, appropriate subclasses, for separation, per se.

**111 PLUG OR COMPRESSED SHAPE MAKING:**

This subclass is indented under the class definition. Processes and apparatus for making tobacco plugs or compressed shapes. These plugs or shapes are usually for use as chewing tobacco, but shaping of unwrapped pipe cartridges, snuff tablets and the like is here included.

**SEE OR SEARCH THIS CLASS, SUBCLASS:**

77+, for molding or forming cigars or cigarettes.

**SEE OR SEARCH CLASS:**

57, Textiles: Spinning, Twisting, and Twining, subclasses 28+ for apparatus for spinning ropes of tobacco.

100, Presses, appropriate subclasses, for methods of compacting and for presses not otherwise provided for.

264, Plastic and Nonmetallic Article Shaping or Treating: Processes, appropriate subclasses, for molding and shaping processes within the class definitions.

425, Plastic Article or Earthenware Shaping or Treating: Apparatus, subclasses 394+ for preform reshaping or resizing apparatus for nonmetals not otherwise provided for, and subclasses 406+ for a press forming apparatus for shaping nonmetallic plastic or fluent materials; see the search notes thereunder.

**112 Packing or bundling:**

This subclass is indented under subclass 111. Processes and apparatus including packing the plugs or shapes in groups or bundles. This packing usually involves compressing.

**SEE OR SEARCH THIS CLASS, SUBCLASS:**

107, for cigar and cigarette bundling.

111, and the other subclasses indented thereunder for simultaneous molding of a plurality of plugs or shapes.

282, and 283, for packing and arranging cigars and cigarettes combined with cigar or cigarette making.

**SEE OR SEARCH CLASS:**

53, Package Making, subclasses 443+ for processes and subclasses 147+ for apparatus for forming a group of contents portions and subsequently packaging same.

**113 Tagging or labeling:**

This subclass is indented under subclass 112. Plug making involving the fastening of a tag or label to the plug or shape. The embossing of a tag or label directly into the material is here included.

**SEE OR SEARCH THIS CLASS, SUBCLASS:**

106, and the search notes appended thereto, for cigar tagging or labeling.

368, for plug tobacco products combined with identifying labels or tags.

**SEE OR SEARCH CLASS:**

53, Package Making, subclass 137 for machines to form a package and to apply to the cover thereof a strip, stamp, gap filler or label.

227, Elongated-Member-Driving Apparatus, appropriate subclasses, for apparatus for applying a member, e.g., a tack, to work by driving.

**114 With tag or label making:**

This subclass is indented under subclass 113. Plug making including the making of the tag or label to be attached to the plug or shape.

**115 Turret type:**

This subclass is indented under subclass 111. Plug making involving the use of a plurality of molding means arranged on a turret. The turret may rotate on either a horizontal or vertical axis.

**SEE OR SEARCH CLASS:**

100, Presses, subclasses 193+ for plural presses not elsewhere provided for.

**116 Continuous sheet type:**

This subclass is indented under subclass 111. Plug making wherein the tobacco is molded into a sheet of indefinite length from which the plugs may be separated.

- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
324, 325 and 326, for tobacco leaf rolling.
- 117 With cutting:**  
This subclass is indented under subclass 116. Plug making including the cutting of the plugs or shapes from the sheet.
- 118 With cutting:**  
This subclass is indented under subclass 111. Plug making including separately cutting the molded material into plugs or shapes. If the cutting is accomplished by the mold parts during molding, it is not here included.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
117, for continuous sheet molding with cutting.
- SEE OR SEARCH CLASS:  
100, Presses, subclass 94 for presses combined with means for cutting, breaking, piercing or comminuting the material, and not elsewhere provided for.
- 119 Molds:**  
This subclass is indented under subclass 111. Improvements in the molds, per se, for molding the tobacco into plugs or shapes.
- SEE OR SEARCH CLASS:  
100, Presses, subclasses 240+ for reciprocating platen presses, not elsewhere provided for, of the box and piston type.  
249, Static Molds, for molds, per se.
- 173 Smoke washing type:**  
This subclass is indented under subclass 330. Smoking devices wherein the smoke is passed through a liquid, usually for purposes of cooling or washing the smoke. Devices commonly known as hookahs are here included.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
331+, for smoke treating means.
- 174 Wind or ash guarding or ash receiving:**  
This subclass is indented under subclass 330. Smoking devices having means to shield the smoker from windblown ash, or provided with means to receive the ash or prohibit its inadvertent removal from the burning zone by action of wind or from any other cause.
- (1) Note. Compare smoking tubes in this class, subclass 191.
- (2) Note. Compare base burner type, this class, subclass 193.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
349, for cigarettes with nonburning wrappers.
- SEE OR SEARCH CLASS:  
206, Special Receptacle or Package, subclasses 242+ for a container for tobacco, pipe, cigar or cigarette and see (18) Note in the main class definition of this (131) Class for pocket receptacles for containing partly consumed cigars and cigarettes.
- 175 Cigar or cigarette holders:**  
This subclass is indented under subclass 174. Smoking devices having a socket or receiving portion to receive and hold an end of a cigarette or cigar in position to be smoked, the socket communicating with a passage for the smoke.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
174, for smoking tubes with guards.  
179, combined pipes and cigar or cigarette holders.  
182, cigar and cigarette holders with ejectors.  
187, and indented subclasses for cigar or cigarette holders, per se.  
260, for mere cigar or cigarette supports, i.e., those not having a smoke passage.
- 176 Pipe covers:**  
This subclass is indented under subclass 174. Smoking devices, commonly known as pipes, provided with covers or screens to preclude escape of ash from the bowl portion.



- 177 With tamper or tamper type:**  
This subclass is indented under subclass 176. Smoking devices wherein the cover or screen is provided with a tamper or may be employed as a tamper.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
184.1, 243 and 247, for pipe tampers.  
193, for closures for base burner type smoking devices.
- 178 Combined or convertible:**  
This subclass is indented under subclass 330. Smoking devices (a) convertible to other uses, including convertible to other forms of smoking devices; (b) combined with other tobacco users' appliances, or (c) those combinations of smoking device and other apparatus not elsewhere provided for.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
174, and indented subclasses for combinations of smoking devices with wind or ash guard or ash receivers.
- SEE OR SEARCH CLASS:  
135, Tent, Canopy, Umbrella, or Cane, subclass 47 for combinations of smoking devices with canes sticks.  
206, Special Receptacle or Package, subclasses 236+ for a pocket or personal use container for a tobacco product and some other article or material. Where significant tobacco product structure or composition is claimed, classification is in this (131) class.  
446, Amusement Devices: Toys, subclass 15 and indented subclasses, for combinations of smoking devices with soap bubble devices.
- 179 Plural smoking devices:**  
This subclass is indented under subclass 178. Combinations involving more than one pipe, or cigar or cigarette holder, or involving combinations thereof.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
175, and 187, and indented subclasses for other cigar or cigarette holders.
- 180 With storage means, feeder, and/or plural bowl:**  
This subclass is indented under subclass 178. Combinations of (a) a smoking device and means for storing tobacco, or means for feeding fresh tobacco to the smoking zone, or (b) smoking devices provided with a plurality of bowls or smoking compartments.
- (1) Note. Compare with subclass 179 of this class.
- 181 Follower:**  
This subclass is indented under subclass 180. Combinations of a smoking device with a follower adapted to eject the tobacco, cigar or cigarette progressively as it is smoked.
- (1) Note. Compare with subclasses 182 and 183 of this class.
- 182 With ejector:**  
This subclass is indented under subclass 178. Combinations of a smoking device and means to eject the burned tobacco, cigar or cigarette from the smoking zone.
- (1) Note. Compare with subclass 181 of this class.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
190, for smoking devices with releasable means for gripping a cigar or cigarette.
- 183 Tobacco support type:**  
This subclass is indented under subclass 182. Combinations wherein the ejector is of the type which normally supports the tobacco during combustion.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
205, 206 and 224, for tobacco supports.
- 184.1 With cleaner, stirrer, or tamper:**  
This subclass is indented under subclass 178. Subject matter wherein the smoking device is combined with means to help rid the smoking device of unwanted debris, residues or tobacco, i.e., cleaning means, or to mix or compact the tobacco in the smoking zone.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

- 177, for pipe covers combined with tampers or employed as tampers.  
 182, and 183, for a smoking device combined with means for ejecting the tobacco, cigar, or cigarette from the smoking zone.  
 200+, and 216+, and particularly subclasses 209 and 217, for a removable insert in the smoke passage which will incidentally clean on removal but have no additional cleaning structure.  
 232, and 243-246, for a smoking device cleaner, per se.  
 247, for a tamper per se for a smoking device.

**184.2 Pipe bowl type:**

This subclass is indented under subclass 184.1. Subject matter wherein the cleaning, mixing or compacting means is used in the tobacco holding receptacle of a reusable smoking device, i.e., the bowl of a pipe.

**184.3 With cleaner extending or operable through external passage:**

This subclass is indented under subclass 184.1. Subject matter wherein the smoking device is combined with cleaning means within, or manipulated via structure in, an outside opening in the smoking devices other than the opening through which tobacco is inserted or burned or through which smoke is inhaled by the user.

**185 With igniter and/or match scratcher:**

This subclass is indented under subclass 178. Combinations of smoking device with means to ignite the charge therein or means upon which to scratch a match.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

- 351, for tobacco products combined with igniting means.

**186 With support:**

This subclass is indented under subclass 178. Combinations of smoking device and means to support the device. This subclass includes combinations of smoking device with means to support the device upon the chin of the user.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

- 240.1, and 257, and their indented subclasses for supports, per se, for cigars, cigarettes appliances.

**187 Cigar and cigarette holders:**

This subclass is indented under subclass 330. Smoking devices having a socket or receiving portion to receive and hold an end of a cigar or cigarette in position to be smoked, the socket communicating with a passage for the smoke.

- (1) Note. The patents are placed here only when the socket or receiving portion is claimed. Where only the characteristics of the stem or mouthpiece are claimed, since they are identical with the corresponding parts of other smoking devices, classification is in appropriate following subclasses.
- (2) Note. For holders or mouthpieces permanently attached to cigars and cigarettes or otherwise adapted to be discarded with the cigar or cigarette, see this class, subclass 361 and indented subclasses.
- (3) Note. Compare with subclass 191 of this class.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

- 175, for cigar or cigarette holders equipped with wind guards, ash guards, or ash receivers, subclass 178 and indented subclasses, for combinations there provided for, particularly subclass 182, for combination with an ejector.  
 240.1, and 257, for mere cigar or cigarette supports, i.e., holders not equipped with a smoke passage.

**188 With piercing device:**

This subclass is indented under subclass 187. Cigar or cigarette holders equipped with means to pierce the cigar or cigarette.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

- 233, 252 and 253, and indented subclasses for cigar slitters or perforators, per se.

- 363, for mouthpiece end structures permanently attached to a cigar or cigarette and penetrating the filler.
- 189 Smoke conducting:**  
This subclass is indented under subclass 188. Cigar or cigarette holders wherein the piercing means is provided with smoke conducting passages.
- 190 With movable gripper or holder:**  
This subclass is indented under subclass 187. Cigar or cigarette holders wherein the socket or receiving portion is provided with a movable means for gripping or holding the cigar or cigarette.
- SEE OR SEARCH THIS CLASS, SUBCLASS:  
182, for cigar or cigarette holders combined with means to eject the cigar or cigarette.
- 191 Tubes:**  
This subclass is indented under subclass 330. Smoking devices commonly known as smoking tubes. These usually comprise a mouthpiece and a tubular compartment in substantial alignment therewith to receive loose tobacco.
- (1) Note. Compare with subclass 187 and indented subclasses of this class.
- (2) Note. Compare the base burner type in subclass 193 of this class.
- SEE OR SEARCH THIS CLASS, SUBCLASS:  
174, such devices having means for guarding against the action of wind or receiving the ash.  
181, for tubes equipped with a follower.
- 192 Foldable or collapsible:**  
This subclass is indented under subclass 330. Smoking devices adapted to be folded or collapsed. These are usually to make the device smaller so that it may be more readily inserted in a pocket for carrying.
- (1) Note. Compare this class, subclass 199.
- SEE OR SEARCH THIS CLASS, SUBCLASS:  
181, and 182, for holders which may be telescoped to feed or eject tobacco.
- 193 Base burner type:**  
This subclass is indented under subclass 330. Smoking devices arranged to burn the charge from the bottom upwardly.
- (1) Note. Compare smoking tubes, subclass 191 of this class.
- SEE OR SEARCH THIS CLASS, SUBCLASS:  
176, and 177, for wind or ash guarding covers.
- 194 Heat exchanging and/or insulating:**  
This subclass is indented under subclass 330. Smoking devices provided with means either (1) to exchange heat between the burning charge and/or the smoke and some fluid (usually air), or (2) to heat insulate the burning charge and/or the smoke.
- (1) Note. The mere provision of elongated passageways, even though claimed as being for smoke cooling, where no heat exchange means is provided, are not placed in this group, but in subclass 200 and indented subclasses, and 216 and indented subclasses of this class.
- SEE OR SEARCH THIS CLASS, SUBCLASS:  
173, for the smoke washing type.
- 195 Cooling air passages:**  
This subclass is indented under subclass 194. Smoking devices provided with passages for air to flow in heat exchange relation with the container for the burning charge and/or with the smoke conducting passages.
- SEE OR SEARCH THIS CLASS, SUBCLASS:  
198.1+, for devices having special air inlets to either the burning charge or to the smoke conducting passages.

**196 Spaced inner bowl:**

This subclass is indented under subclass 194. Smoking devices in which a tobacco charge containing bowl is mounted in spaced relation within an outer bowl.

- (1) Note. Compare with subclass 220 of this class.

**197 Plural reversely extending passages:**

This subclass is indented under subclass 196. Smoking devices having a plurality of smoke passages connected, in series, arranged to extend in substantially opposite directions, so that the smoke reverses its direction of travel. This is generally stated to be for providing an elongated smoke passage to give the smoke time to cool and/or to cause precipitation of suspended solids or liquids due to their inertia when the direction of motion of the smoke changes.

- (1) Note. Compare this class, subclasses 212.1+, 213 and 218.

**198.1 Supplemental or substitute air inlet:**

This subclass is indented under subclass 330. Subject matter provided with an air intake passageway in addition to, or in place of, the opening through which tobacco is inserted into the smoking device.

- (1) Note. The air may be admitted to the burning tobacco or to the smoke conducting passages only.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

176, for pipe covers with air inlets.  
191, and 193, for a smoking device having a smoking tube or burning tobacco from the bottom upwardly.

**198.2 Adjustable air inlet type:**

This subclass is indented under subclass 198.1. Subject matter wherein the air intake passageway, or structure therein, may be altered to vary the air flow.

- (1) Note. A supplemental or substitute air inlet covered, at least in part, by a smoker's finger or having a valve therein

controlled by a thermostat are included in this subclass.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

270+, and particularly subclass 272 for an antismoking product or device which may vary the amount of air flowing through the smoking device.

336, for a smoke treater or separator which adds air to the smoke stream.

**199 Longitudinally divided:**

This subclass is indented under subclass 330. Smoking devices which are divided longitudinally, i.e., along the axis.

- (1) Note. The bowl only or the stem only may be so divided.

- (2) Note. Compare with foldable or collapsible devices in subclass 192 of this class.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

175, for longitudinally divided cigar and cigarette holders with ash retainers.

**200 Smoke treating:**

This subclass is indented under subclass 330. Smoking devices provided with means for treating the smoke.

- (1) Note. Included under this definition is means for only treating or medicating the smoke as well as for treating or medicating together with removing or separating a constituent material from the smoke.

- (2) Note. Compare subclass 173 of this class for smoking devices having means for washing the smoke.

- (3) Note. Compare this class, subclass 194 and indented subclasses, for smoking devices having means for cooling the smoke or for insulating either the burning charge or the smoke to prevent cooling.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

198, for smoke diluting means.

- 331+, for cigars and cigarettes having smoke treating means therein.  
 352, for tobacco compositions.

**SEE OR SEARCH CLASS:**

- 128, Surgery, subclasses 203.12+ for inhalers.  
 424, Drug, Bio-Affecting and Body Treating Compositions, appropriate subclass for a medicinal composition and especially subclasses 441+ and 443+ for a carrier or vehicle impregnated with such a composition.  
 428, Stock Material or Miscellaneous Articles, appropriate subclasses, for a stock material in the form of a single or plural layer web or sheet, and especially subclasses 292.1+ for a composite web or sheet including a layer containing structurally defined fibers, and subclasses 364+ for a fiber or filament which is structurally defined (e.g., crimped, specific cross-section) or is coated.

**201 Material separator and trap:**

This subclass is indented under subclass 200. Smoking devices comprising means for separating and retaining a constituent from the smoke.

- (1) Note. The patents in this and the indented subclasses must provide a trap chamber. Where only the structure of the smoke passage is claimed, even though such smoke passage is disclosed as providing for the separation of ingredients from the smoke, but no trap chamber for the separated ingredients is used, the patents are placed in this class, subclasses 216+. A filter or absorber is considered to be a trap chamber for this definition.

**SEE OR SEARCH THIS CLASS, SUBCLASS:**

- 331+, for smoke separators or treaters.

**202 Filter and/or absorber:**

This subclass is indented under subclass 201. Smoking devices provided with a filter or an absorber, or both.

- (2) Note. For a smoke treater or separator device, per se, disclosed for use with a

smoking device or product, see this class, subclasses 261+.

**SEE OR SEARCH THIS CLASS, SUBCLASS:**

- 10, for cigars and cigarettes having filters or absorbers therein.  
 261, for smoke treater or separator device, per se, disclosed for use with a smoking device or product.

**203 Absorber only (no filtering):**

This subclass is indented under subclass 202. Smoke devices provided with an absorber which performs no filtering operation.

- (1) Note. This subclass includes arrangements of smoke outlets to provide an absorbent layer of tobacco which will not be burned.

**SEE OR SEARCH THIS CLASS, SUBCLASS:**

- 207, where the absorbent materials is so arranged in the device as also to perform a filtering function.  
 230, for absorbent pipe bowl materials and compositions.

**204 Lined or coated bowls or stems:**

This subclass is indented under subclass 203. Smoking devices in which the absorbent material is in the form of a lining or a coating for either the bowl or the smoke passage in the stem.

**SEE OR SEARCH THIS CLASS, SUBCLASS:**

- 219, and 220, for other linings or coatings.

**205 Tobacco supports:**

This subclass is indented under subclass 202. Smoking devices in which the filter, filtering absorber, or trap supports the tobacco charge.

**SEE OR SEARCH THIS CLASS, SUBCLASS:**

- 183, and 224, for other tobacco supports.  
 193, for grates for supporting the burning charge in base burner type devices.

- 206 With valve or external passage closure:**  
This subclass is indented under subclass 205. Smoking devices which are also provided with a valve in the smoke- conducting passage or with a passage communicating with the smoke- conducting passage in addition to the charge inserting opening or the mouthpiece outlet, extending to the exterior of the smoking device and having a removable closure.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
215.1+, and 223, for other smoking devices having a valve or external passage closure.
- 207 Absorbent or particulate:**  
This subclass is indented under subclass 202. Smoking devices in which a filter made of absorbent material or made of granular or other finely divided material is provided.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
203, and 204, where the absorbent material is not arranged in the smoking device to perform a filtering function but is so arranged as to provide an absorbing function only.  
205, and 206, for absorbent tobacco supports.
- 209 Spiral passage:**  
This subclass is indented under subclass 201. Smoking devices having a spiral passage for the smoke.
- (1) Note. Compare this class, subclass 217.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
339, for cigars or cigarettes having spiral passages for the smoke.
- 210 Serial checks or baffles:**  
This subclass is indented under subclass 201. Smoking devices having two or more devices arranged in the smoke passage in series to check or baffle the flow of smoke.
- 211 Chamber enclosed tubes or nipples:**  
This subclass is indented under subclass 201. Smoking devices in which the trap chamber has extended into it at least one tube or nipple forming a continuation of the smoke passage.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
339, for cigars or cigarettes having interior surfaces (e.g., baffles) predetermining smoke streak flow characteristics.
- 212.1 Smoke direction changing:**  
This subclass is indented under subclass 322. Subject matter in which the path of the smoke through the smoking device is altered by (1) at least two tubes or nipples either extending into the trap chamber or overlapping one another, or (2) the position of a single tube or nipple with respect to the smoking passage.
- 212.2 Concentric dusts:**  
This subclass is indented under subclass 212.1. Subject matter wherein one or more tubes are inserted in a trap chamber and arranged such that there is one common axis of symmetry for causing fluid cross-flow of smoke along the pathways formed thereby (i.e., alternate directions of flow along adjacent concentric pathways).
- 213 Plural reversely extending passages:**  
This subclass is indented under subclass 201. Smoking devices having a plurality of smoke passages, connected in series, to extend in substantially opposite directions, so that the smoke reverses its direction of travel.
- (1) Note. Compare also with subclasses 212.1+ of this class.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
197, and 218, for similarly arranged passages.
- 214 Bowl detachable from neck cup:**  
This subclass is indented under subclass 201. Smoking devices in which the charge receiving bowl in which the charge is burned is caused to be detachable from the neck cup.

- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
222, for other like devices.
- 215.1 With valve in smoke path or removable, external passage closure:**  
This subclass is indented under subclass 201. Subject matter wherein the smoking device (1) is provided with a smoke regulating means in a smoke conducting passageway thereof, or (2) has a separate, detachable plug, cap, or cover for a passageway (in addition to any tobacco receiving inlet or mouthpiece outlet passageway) which communicates with the smoke conducting passageway and extends to the exterior of the smoking device.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
206, and 223, for other valve or external passage closures for a smoking device.
- 215.2 With filter:**  
This subclass is indented under subclass 215.1. Subject matter wherein the smoking device includes means for preventing the passage of certain components in the smoke.
- 215.3 Valve:**  
This subclass is indented under subclass 215.1. Subject matter wherein the smoking device is provided with a smoke regulating means in a smoke conducting passageway thereof.
- 216 Special smoke passages:**  
This subclass is indented under subclass 330. Smoking devices claiming the construction of the smoke passage.
- (1) Note. Compare this class, subclass 201 and indented subclasses.
- SEE OR SEARCH CLASS:  
428, Stock Material or Miscellaneous Articles, appropriate subclasses, for a stock material in the form of a single or plural layer web or sheet, and especially subclasses 292.1+ for a composite web or sheet including a layer containing structurally defined fibers, and subclasses 364+ for a fiber or filament which is structurally defined
- (e.g., crimped, specific cross-section) or is coated.
- 217 Spiral passage:**  
This subclass is indented under subclass 216. Smoking devices in which the smoke passage or some part thereof is of spiral formation.
- (1) Note. Compare this class, subclasses 209 and 339.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
198.1+, for special air inlets to the smoke passage.
- 218 Plural reversely extending:**  
This subclass is indented under subclass 216. Smoking devices having a plurality of smoke passages, connected in series, arranged to extend in substantially opposite directions, so that the smoke reverses its direction of travel.
- (1) Note. Compare this class, subclasses 197, 212.1+, and 213.
- 219 Lined or coated:**  
This subclass is indented under subclass 330. Smoking devices provided with either a lining for the interior or a coating for either the interior or exterior parts.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
204, for absorbent linings.
- 220 Bowl:**  
This subclass is indented under subclass 219. Smoking devices in which the bowl is either lined or coated.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
183, for bowl linings removable for ejection of charge.  
196, and 197, where an inner bowl is provided spaced from the outer walls of the bowl.
- 221 Reversible bowl:**  
This subclass is indented under subclass 330. Smoking devices in which the charge receiving bowl is constructed to be reversible in position.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

180, for smoking devices having more than one bowl.

**222 Bowl detachable from neck cup:**

This subclass is indented under subclass 330. Smoking devices in which the bowl is constructed to be detachable from the neck cup.

(1) Note. Compare this class, subclass 214.

**223 With valve or external passage closure:**

This subclass is indented under subclass 330. Smoking devices provided with a valve in the smoke-conducting passage or having a passage communicating with the smoke-conducting passage in addition to the charge receiving inlet and the mouthpiece outlet, extending to the exterior of the smoking device and having a removable closure.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

176, for valved pipe covers.  
198.1+, for valved special air inlets.  
206, and 215.1+, for other like devices.

**224 Tobacco supports:**

This subclass is indented under subclass 330. Smoking devices claiming the means by which the tobacco charge is supported.

(1) Note. Where the support is constructed and arranged to eject the charge from the smoking device, see this class, subclass 183, and where the support is of the filter type, see this class, subclasses 205 and 206.

**225 Joints and connections:**

This subclass is indented under subclass 330. Smoking devices claiming the joints or connections between the parts.

(1) Note. For pipe and rod joints of general application, see Classes 277, Joint Packing, for joint packing, 285, Pipe Joints or Couplings, and 403, Joints and Connections.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

192, for joints and connection permitting folding or collapsing of the smoking device.

SEE OR SEARCH CLASS:

16, Miscellaneous Hardware (e.g., Bushing, Carpet Fastener, Caster, Door Closer, Panel Hanger, Attachable or Adjunct Handle, Hinge, Window Sash Balance, etc.), subclasses 108 and 109 for ferrules, rings and thimbles.

**226 Bowls:**

This subclass is indented under subclass 330. Smoking devices claiming the bowl structure.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

191, for smoking-tube bowls.  
196, and 197, for spaced bowls.  
199, for longitudinally divided bowls.  
204, and 220, for lined or coated bowls.  
214, and 222, for bowls detachable for neck cups.

**227 Stems, bits or tips:**

This subclass is indented under subclass 330. Smoking devices claiming the structure of the stem, including the mouthpiece or only the structure of either the external portion of the mouthpiece, namely, the bit, or the smoke discharging tip of the mouthpiece.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

199, for longitudinally divided stems.  
204, for stems with absorbent linings.  
219, and 220, for lined or coated stems.  
361, and indented subclasses for tips and mouthpiece ends of cigars and cigarettes.

**228 With sleeve or cap:**

This subclass is indented under subclass 227. Smoking devices having a sleeve or cap for the bit or tip.



**229 Outlet end shapes and orifices:**

This subclass is indented under subclass 227. Smoking devices claiming merely the shape of the portion which is placed in the mouth or only the orifice structure or arrangement.

**230 Materials and compositions:**

This subclass is indented under subclass 330. Smoking devices in which no significant structure of the smoking device is claimed but only the materials or compositions used.

SEE OR SEARCH THIS CLASS, SUBCLASS:

352, for tobacco compositions.

SEE OR SEARCH CLASS:

106, Compositions: Coating or Plastic, and the notes to the class definition thereof, for other coating or plastic compositions.

**231 With ash receiver:**

This subclass is indented under subclass 329. Appliances combined with a receiver for smokers' refuse.

(1) Note. Since most receptacles are capable of containing smokers' refuse, ash receptacles, per se, are classified in the appropriate receptacle classes. This subclass includes ash receivers only in combination as stated above. For other combinations, see the remaining search notes to this subclass.

(2) Note. Exceptions are made in the case of subclasses 233 and 234, indented hereunder. Although tip cutters, igniters, and scratching surfaces are not, per se, classified in Class 131 as tobacco-users' appliances, the combinations thereof with ash receivers are classified in subclasses 233 and 234 respectively where there is no subclass specifically providing therefor elsewhere.

SEE OR SEARCH CLASS:

4, Baths, Closets, Sinks, and Spittoons, subclasses 258+, for spittoons.  
206, Special Receptacle or Package, subclasses 19.5, 117, 120, 125, 130, 132, 135, and 136 for various combina-

tions of a match packet (container or holder) with a debris receiver and subclass 496 for a pocket or personal use container for debris, per se.

220, Receptacles, particularly subclasses 501+, for intercommunicable compartment receptacles of general application.

232, Deposit and Collection Receptacles, subclasses 43.1+ for ash receivers of the deposit and collection type.

**232 Smoking device cleaner:**

This subclass is indented under subclass 231. Combinations wherein the appliance is a smoking device cleaner.

SEE OR SEARCH THIS CLASS, SUBCLASS:

184.1+, and 243-246, for smoking device cleaners.

**233 Tip cutter, perforator or slitter:**

This subclass is indented under subclass 231. Combinations wherein the appliance is a device for perforating or slitting a cigar, or for removing the end therefrom.

SEE OR SEARCH THIS CLASS, SUBCLASS:

248, and indented subclasses, for tip cutters in other combinations.

253, and indented subclasses, for tip perforators or slitters, per se, and in other combinations.

SEE OR SEARCH CLASS:

30, Cutlery, subclass 109 and indented subclasses, for tip cutters, per se.

**234 Igniter or scratching surface:**

This subclass is indented under subclass 231. Combinations wherein the appliance is a means to ignite a tobacco article or with means providing a scratching surface for matches and the like.

(1) Note. See note (2) under subclass 231 of this class.

(2) Note. For combinations of igniters or scratching surfaces with smoking devices, see this class, subclass 185, and

with cigar tip cutters, see this class, subclass 249.

- (3) Note. For pocket and personal use receptacles having igniters, see Class 206, Special Receptacle or Package, subclasses 98+, 108+, 112+, and 137+ for a match packet (container or holder) with striker structure.

SEE OR SEARCH CLASS:

- 44, Fuel and Related Compositions, subclass 643 for scratching surfaces, per se.  
 221, Article Dispensing, subclasses 136+ for article dispensing devices including igniting means.  
 431, Combustion, appropriate subclass, for a burner assembly, per se.

**235.1 Extinguisher:**

This subclass is indented under subclass 231. Subject matter wherein the appliance is particularly adapted to terminate the burning of a lighted tobacco article.

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 256, for an extinguisher, per se.

**236 Liquid type:**

This subclass is indented under subclass 235.1. Combinations wherein the extinguisher includes a body of liquid or a moistened member.

**237 Movable extinguishing member:**

This subclass is indented under subclass 235.1. Combinations wherein the extinguisher includes at least one member which is movable relative to the receiver to carry out the extinguishing operation.

**237.5 Split tube type:**

This subclass is indented under subclass 235.1. Subject matter wherein the appliance is made from a plurality of individual arcuate segments which form a longitudinally divided conduit to help terminate the burning of the lighted tobacco article.

**238 And devices for other use:**

This subclass is indented under subclass 231. Combinations in which in addition to the tobacco users' appliance, the ash receiver is combined with a device having independent utility.

**239 Match holder:**

This subclass is indented under subclass 238. Combinations wherein the device combined with the ash receiver and tobacco users' appliance comprises a match receptacle or means for mounting a match holder.

- (1) Note. For other match holders or receptacles, see this class, subclass 251, and Class 206, Special Receptacle or Package, subclasses 117, 120, 125, 130, 132, 135, and 136 for a match packet (container or holder) with a debris receiver.

**240.1 Cigar, cigarette, or smoking device rest or holder:**

This subclass is indented under subclass 231. Subject matter wherein the appliance is a means to support a smoking device or lighted tobacco article.

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 257+, for a cigar, cigarette, or smoking device support, per se.

**241 With special receiver support:**

This subclass is indented under subclass 240.1. Combinations provided with special means for supporting the receiver.

SEE OR SEARCH CLASS:

- 108, Horizontally Supported Planar Surfaces, subclasses 25+ for a horizontal planar supporting surface combined with a receptacle.  
 206, Special Receptacle or Package, subclass 19.5 for vehicle attached receptacles.  
 248, Supports, appropriate subclasses for receptacle stands and brackets, per se.

**242 With closure or covered compartment:**

This subclass is indented under subclass 240.1. Combinations wherein the ash receiver includes a closure or a covered compartment.

- (1) Note. For compartmented receptacles, see Class 220, Receptacles, subclasses 500 and indented subclasses, particularly subclasses 501+. Tobacco users' appliances, Smoking device cleaners. Devices under subclass 329 peculiarly adapted for use in cleaning smoking residue from smoking devices.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

184.1+, for smoking devices combined with cleaners and subclass 232 for smoking device cleaners in combination with ash receivers.

SEE OR SEARCH CLASS:

15, Brushing, Scrubbing, and General Cleaning, for cleaning implements in general and subclasses 104.03+ in particular.

**242.5 With cigar or cigarette ejector, dumper, or advancer:**

This subclass is indented under subclass 240.1. Subject matter wherein the appliance includes means to force, drop, or propel a lighted tobacco article into or towards the refuse receiver.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

237, for a member which moves to carry out an extinguishing operation.

**242.6 With grid or grille:**

This subclass is indented under subclass 240.1. Subject matter wherein the appliance includes a grating type structure through which ashes may fall.

- (1) Note. If the grid or grille is also used as a rest or holder it must be capable of supporting the cigar, cigarette, or smoking device at three or more spaced locations to be properly considered a grid or grille hereunder.
- (2) Note. Spiral shaped coils which support a cigar, cigarette, or smoking device along the coil axis or tangential to the surface of the coils are proper for this subclass but coils which only support the

cigar, cigarette, or smoking device between the individual coils (i.e., transverse to the coil axis) are not proper hereunder.

**243 Combined or compound:**

Smoking device cleaners combined with devices having other uses, and combinations of a plurality of types of smoking device cleaners.

**244 Fluid type:**

Smoking device cleaners for cleaning by means of fluid flow.

SEE OR SEARCH CLASS:

15, Brushing, Scrubbing, and General Cleaning, subclasses 304, 316.1+, 395+, and 406+ for air blast and/or suction devices for cleaning hollow work other than smoking devices.

285, Pipe Joints or Couplings, subclass 8 for a coupling comprising means to connect a faucet to a member of a smoking device (e.g., pipe bowl or stem), and subclasses 148.22+ for serial diverse couplings of diverse size or shape (e.g., reducer).

**245 Stem:**

Smoking device cleaners comprising means to be passed through a smoking device stem to clean residue therefrom.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

243, for stem cleaners in combination.

**246 Bowl:**

Smoking device cleaners comprising means for cleaning the bowl of a smoking device. These are for the most part reamers or scrapers.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

243, for bowl cleaners in combination.

SEE OR SEARCH CLASS:

15, Brushing, Scrubbing, and General Cleaning, subclasses 104.09 and 236.01+ and appropriate indented subclasses for pipe reaming or scraping devices or general applications.

**247 Pipe tampers:**

This subclass is indented under subclass 329. Devices comprising means for compacting material within the bowl of a smoking device and combinations including such devices, not otherwise provided for.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

177, and 184.1+, for combinations of smoking device and tamper.

SEE OR SEARCH CLASS:

206, Special Receptacle or Package, subclass 41.1, for tobacco dispensing receptacles having means to eject tobacco from the receptacle into a pipe, which ejectors may be employed to tamp.  
81, Tools, subclass 488 for miscellaneous hand tools, including tampers.

**248 Cigar and cigarette end cutters, combined:**

This subclass is indented under subclass 329. Combinations including as one element means for cutting the end from a cigar or cigarette.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

46, 63, 64, 65, 83, and 91, for cigar and cigarette making machines equipped with tip cutters.  
233, for cigar and cigarette end cutters combined with means to receive ashes and/or the cut off portion.

SEE OR SEARCH CLASS:

30, Cutlery, subclasses 109+ for tip cutters, per se.  
40, Card, Picture, or Sign Exhibiting, subclass 461 for changing exhibitors operated by a cigar cutter or lighter.  
83, Cutting, for cutters of that class (83) type which include cigar end cutters.  
99, Foods and Beverages: Apparatus, subclasses 635+ for food ends cutters.

**249 With igniter or scratching surface:**

This subclass is indented under subclass 248. Combinations wherein the tip cutter is combined with means to ignite a tobacco article or with means providing a scratching surface for matches and the like.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

234,

SEE OR SEARCH CLASS:

44, Fuel and Related Compositions, subclass 48 for scratching surfaces, per se.  
431, Combustion, appropriate subclass for a burner assembly, per se.

**250 With receptacle or holder:**

This subclass is indented under subclass 248. Combinations in which the tip cutter is combined with a receptacle or holder.

SEE OR SEARCH CLASS:

206, Special Receptacle or Package, subclasses 238+ for pocket and personal use tobacco receptacles provided with cutters other than cigar or cigarette end cutters.

**250.1 Dispensing type:**

This subclass is indented under subclass 250. Combinations in which the receptacle or holder is provided with a discharge means which separates a single or a limited number of articles from the supply in said receptacle or holder.

SEE OR SEARCH CLASS:

221, Article Dispensing, appropriate subclasses for article dispensing in general and including the cigar or cigarette dispensing means, per se, which is a subcombination of the subject matter of this subclass.

**251 Match receptacle:**

This subclass is indented under subclass 250. Combinations in which the receptacle combined with the tip cutter is a match receptacle or holder.

(1) Note. For other match holders or receptacles, see this class, subclass 239, and Class 206, Special Receptacle or Package, subclasses 96+.

**252 With perforator or slitter:**

This subclass is indented under subclass 248. Combinations wherein the tip cutter is combined with a cigar tip perforator or slitter.

- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
253, for cigar tip perforators, per se, and in other combinations.
- 253 Cigar tip perforators or slitters:**  
This subclass is indented under subclass 329. Devices comprising means for perforating or slitting cigar tips and combinations including such devices not elsewhere provided for.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
83.1, for combinations of molding and perforating.  
92, for means to tuck, fold, crimp, or smooth a cigar or cigarette tip combined with means to perforate the end thereof.  
188, for a cigar or cigarette holder combined with a tip perforator.  
233, for combinations of ash receivers with perforators or slitters.  
347, and 363, for cigars with end protectors having pins to enter the cigar end.
- 254 Pin or drill:**  
This subclass is indented under subclass 253. Devices comprising pin or drill means to perforate the cigar tip.
- (1) Note. See the search notes under subclass 253 of this class.
- 255 Punch:**  
This subclass is indented under subclass 253. Devices wherein the perforator comprises a punch which removes a core from the tobacco article.
- (1) Note. See the search notes under subclass 253 of this class.
- 256 Cigar or cigarette extinguishers:**  
This subclass is indented under subclass 329. Devices comprising means particularly adapted to extinguish a lighted tobacco article.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
235.1+, for extinguishers combined with ash receivers.
- SEE OR SEARCH CLASS:  
431, Combustion, subclasses 144+ for an extinguisher for a fuel burner or candle.
- 257 Supports:**  
This subclass is indented under subclass 329. Devices comprising means for supporting a single smoking device or providing a rest or holder for lighted tobacco articles.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
240.1+, for supports and rests combined with ash receivers.
- SEE OR SEARCH CLASS:  
24, Buckles, Buttons, Clasps, etc., subclasses 3.1+ for article holders in general.  
211, Supports: Racks, subclasses 60+, and 70 for slender article supports of general utility.
- 258 Finger ring type:**  
This subclass is indented under subclass 257. Devices in which the support, rest or holder is mounted on a finger encircling member.
- (2) Note. Compare with Class 294, Handling: Hand and Hoist-Line Implements, subclass 25.
- SEE OR SEARCH CLASS:  
224, Package and Article Carriers, appropriate subclasses for finger attached package and article carriers.
- 259 Staff type:**  
This subclass is indented under subclass 257. Devices in which the support, rest or holder is mounted on or forms a part of a staff member.
- 260 Smoking device:**  
This subclass is indented under subclass 257. Devices comprising means to support a single smoking device.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
186, for the combination of a smoking device with means to support the device upon the chin of a user.

- SEE OR SEARCH CLASS:  
211, Supports: Racks, particularly subclasses 60 and 70 for racks for supporting a plurality of smoking devices.
- 270 ANTISMOKING PRODUCT OR DEVICE, I.E., DETERRENT:**  
This subclass is indented under the class definition. Product or device which discourage, break, or otherwise deter the smoking habit.
- (1) Note. This subclass includes concepts relating to breaking of the smoking habit utilizing such concepts as of messages, shocking the user by means of electricity, smoke cartridges, tobacco volatilization, i.e., no combustion, and smoking materials which leave an undesirable taste. This subclass also includes the method of using such devices or products.
- SEE OR SEARCH CLASS:  
424, Drug, Bio-Affecting and Body Treating Compositions, appropriate subclasses for a composition for treating the human body for addiction to tobacco.
- 271 No smoke to user:**  
This subclass is indented under subclass 270. Device or product wherein smoke is produced, but such smoke does not reach the mouth of the user.
- SEE OR SEARCH CLASS:  
446, Amusement Devices: Toys, subclasses 24+ for smoke-producing toys.
- 272 Smoke to air ratio controlled:**  
This subclass is indented under subclass 270. Device or product wherein the air component of the smoke-air mixture reaching the user, is gradually increased in order to reduce the amount of smoke inhaled.
- SEE OR SEARCH THIS CLASS, SUBCLASS:  
198.1+, for a smoker's appliance having controlled air inlets.  
331, for smoke separation and treating.
- 273 Smoking simulator:**  
This subclass is indented under subclass 270. Device or product wherein the smoking of a smoking device is simulated or pretended by the use of an inhaler resembling a cigar, cigarette, or pipe.
- (1) Note. The inhalers of this subclass may include flavoring agents, aromatization agents, medicaments, etc., but do not employ a lighted product or smoke of any kind.
- SEE OR SEARCH THIS CLASS, SUBCLASS:  
274, for tobacco products including flavoring agents.
- SEE OR SEARCH CLASS:  
128, Surgery, appropriate subclasses for medicament inhalers not employed in the breaking of the smoking habit.
- 274 PRODUCT OR DEVICE HAVING IDENTIFIABLE CONSTITUENT TO FLAVOR OR ENHANCE FLAVOR:**  
This subclass is indented under the class definition. Product or device having a chemically definable or identifiable constituent or component which is present to flavor or enhance the flavor of the tobacco.
- (1) Note. Nicotine, in any form, is not considered a flavorant or flavor enhancer.
- 275 Naturally occurring or synthetic duplicate:**  
This subclass is indented under subclass 274. Product or device wherein the flavorant or flavor enhancer occurs naturally, or is a synthetically produced duplicate of that which occurs naturally.
- 276 Organic compound:**  
This subclass is indented under subclass 274. Product or device wherein the flavorant or flavor enhancer is a carbon containing compound.
- 277 Heterocyclic:**  
This subclass is indented under subclass 276. Product or device wherein the organic compound is characterized by a ring composed of atoms of more than one kind.

**278 Containing nitrogen as a hetro atom:**

This subclass is indented under subclass 277. Product or device wherein one of the atoms in the ring is a nitrogen atom.

**279 Containing a sulphur atom:**

This subclass is indented under subclass 276. Product or device wherein the organic flavorant or flavor enhancer contains sulphur.

**280 CIGAR OR CIGARETTE MAKING:**

This subclass is indented under the class definition. Process or apparatus relating to the manufacture of smoking products commonly known as cigars or cigarettes, or like tobacco or tobacco substitute products, and subcombinations thereof not elsewhere provided for.

SEE OR SEARCH THIS CLASS, SUBCLASS:

290, for the treatment of finished tobacco products.

SEE OR SEARCH CLASS:

53, Package Making, for methods 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 of the goods so packaged. See particularly subclasses 396+ and 582+ for band type and casing.

73, Measuring and Testing, appropriate subclasses for methods and apparatus for measuring or testing cigars, cigarettes, or like tobacco products.

177, Weighing Scales, appropriate subclasses for devices which weigh tobacco or tobacco products.

209, Classifying, Separating, and Assorting Solids, for devices of that class relating to cigars or cigarettes.

222, Dispensing, for tobacco dispensing or feeding devices, per se.

**281 Including perforating:**

This subclass is indented under subclass 280. Process or apparatus including means for penetrating, slitting, or otherwise perforating the tobacco product.

SEE OR SEARCH THIS CLASS, SUBCLASS:

350, for a hand held or manipulated tobacco product perforator.

SEE OR SEARCH CLASS:

219, Electric Heating, appropriate subclasses for perforating by inductive heating, microwave heating, and capacitive dielectric heating.

**282 Including arranging, collecting, or delivering:**

This subclass is indented under subclass 280. Process or apparatus including means to manipulate the cigar or cigarette product in a way so as to arrange the product in a given manner, collect the product in a given way, or deliver the product to a given station.

SEE OR SEARCH CLASS:

198, Conveyors: Power-Driven, appropriate subclasses for a power-driven conveyor in combination with a nominally recited tobacco product-making apparatus.

414, Material or Article Handling, appropriate subclasses for article piling or arranging means in combination with a nominally recited tobacco product-making apparatus.

**283 And packing:**

This subclass is indented under subclass 282. Process or apparatus including means to pack or package the tobacco product.

SEE OR SEARCH CLASS:

53, Package Making, appropriate subclasses, particularly subclasses 137, 148, and 444, each relating to cigarette-type articles.

**284 With coating or printing:**

This subclass is indented under subclass 280. Process or apparatus including means to perform a printing or coating operation on the tobacco product.

SEE OR SEARCH THIS CLASS, SUBCLASS:

88+, for coating the tip of a cigar or cigarette.

## SEE OR SEARCH CLASS:

- 101, Printing, appropriate subclasses for printing apparatus in combination with a nominally recited tobacco product-making apparatus.
- 118, Coating Apparatus, appropriate subclasses for coating apparatus, per se.

**285 Including fingerlike member which alternately engages and releases product:**

This subclass is indented under subclass 280. Process or apparatus in which one or more fingerlike members alternately engage and release the tobacco product or part thereof.

- (1) Note. The devices of this subclass usually perform a shaping, wrapping, or similar function on the tobacco product.

**286 With cleaning away unwanted product component, e.g., gum or adhesive:**

This subclass is indented under subclass 280. Process or apparatus including means to cleanse the tobacco product-making apparatus of unwanted contaminations such as gum or adhesive.

**287 By pneumatic means:**

This subclass is indented under subclass 286. Process or apparatus wherein the cleansing involves a blown or pressurized gas.

**288 By liquid means:**

This subclass is indented under subclass 286. Process or apparatus wherein the cleansing involves a liquid.

**289 By scraping, wiping, etc.:**

This subclass is indented under subclass 286. Process or apparatus wherein the cleansing involves a physical act of removal, such as scraping, wiping, or the like.

**290 TOBACCO TREATMENT:**

This subclass is indented under the class definition. Process or apparatus relating to the physical or chemical treatment of tobacco, either prior or subsequent to the manufacture thereof into a tobacco product.

## SEE OR SEARCH THIS CLASS, SUB-CLASS:

- 31, 62+ and 79, for cigar and cigarette making combined with a tobacco treatment.
- 281, for cigar and cigarette making including the step of perforating.
- 286, for cigar and cigarette making including the step of cleaning away an unwanted tobacco product.

## SEE OR SEARCH CLASS:

- 34, Drying and Gas or Vapor Contact With Solids, appropriate subclasses for the drying of tobacco, per se.
- 47, Plant Husbandry, appropriate subclasses for tobacco plant husbandry.
- 56, Harvesters, subclass 27.5 for tobacco harvesting.
- 57, Textiles: Spinning, Twisting, and Twining, subclasses 28+ for tobacco spinning.
- 432, Heating, subclass 500 for tobacco barns.
- 460, Crop Threshing or Separating, subclasses 123+ for the stripping of tobacco leaves from the stalk.

**291 Puffing:**

This subclass is indented under subclass 290. Process or apparatus designed to effect an increase in the volume of the tobacco.

## SEE OR SEARCH CLASS:

- 99, Foods and Beverages: Apparatus, subclasses 323.4+ for puffing apparatus.
- 426, Food or Edible Material: Processes, Compositions, and Products, subclasses 445+ for the puffing of food by heating.

**292 Including freeze drying:**

This subclass is indented under subclass 291. Process or apparatus including the step of drying the tobacco in a frozen state under high vacuum.

## SEE OR SEARCH CLASS:

- 34, Drying and Gas or Vapor Contact With Solids, subclasses 245+ for drying by subjecting material to electrical



- energy; and subclasses 266+ and 519+ for the use of radiant energy in drying.
- 99, Foods and Beverages: Apparatus, subclass 451 for treating of food with radiant energy.
- 293 By chemical reaction:**  
This subclass is indented under subclass 291. Process or Apparatus wherein puffing is accomplished by a chemical reaction within or on the tobacco.
- (1) Note. The chemical reaction can be the result of the particular reactant or reactants reacting with each other or with the tobacco.
- 294 By radiant energy:**  
This subclass is indented under subclass 291. Process and apparatus wherein the puffing is accomplished by subjecting the tobacco to electromagnetic wave energy.
- 295 By high frequency field:**  
This subclass is indented under subclass 291. Process or apparatus wherein puffing is accomplished by induction or dielectric heating.
- SEE OR SEARCH CLASS:  
219, Electric Heating, subclasses 600+ for inductive heating, subclasses 678+ for microwave heating, and subclasses 764+ for capacitive dielectric heating.
- 296 By contact with hot gaseous medium:**  
This subclass is indented under subclass 291. Process or apparatus wherein the puffing is accomplished by contacting the tobacco with a hot gas.
- 297 Extraction of component, other than moisture, by contact with diverse medium:**  
This subclass is indented under subclass 290. Process or apparatus wherein components or ingredients of tobacco, other than moisture or water, are extracted or absorbed, by contacting the tobacco with a separate and distinct medium.
- SEE OR SEARCH THIS CLASS, SUBCLASS:  
308, for treating tobacco with a particular enzyme.
- SEE OR SEARCH CLASS:  
23, Chemistry: Analytical and Physical Processes, subclass 295 for extraction by a crystallization technique.  
435, Chemistry: Molecular Biology and Microbiology, appropriate subclasses for the involvement of fermentation.  
546, Organic Compounds -- Part of the Class 532-570 Series, subclass 279.4 for the production of nicotine containing extracts from tobacco.
- 298 By organic solvent:**  
This subclass is indented under subclass 297. Process or apparatus wherein the diverse medium is a solvent containing a carbon compound.
- 299 With electrical or radiant energy:**  
This subclass is indented under subclass 290. Process or apparatus wherein the tobacco treatment includes the application of electrical or radiant energy.
- SEE OR SEARCH CLASS:  
34, Drying and Gas or Vapor Contact With Solids, subclasses 93, 245+, 266+, and 519+, for drying including the use of electrical or radiant energy.  
99, Foods and Beverages: Apparatus, subclass 451 for apparatus to treat food with electric or radiant energy.  
204, Chemistry: Electrical and Wave Energy, subclasses 688+ for the electrolytic treatment of organic materials.  
422, Chemical Apparatus and Process Disinfecting, Deodorizing, Preserving, or Sterilizing, appropriate subclasses for the preserving, disinfecting, and sterilizing of organic plant material.
- 300 With fluid or fluent material:**  
This subclass is indented under subclass 290. Process or apparatus for treating by subjecting the tobacco to the action of a flowing or flowable material.
- SEE OR SEARCH CLASS:  
34, Drying and Gas or Vapor Contact With Solids, subclass 359 for treating in a fluidized bed; and appropriate subclasses for tobacco drying.

- 68, Textiles: Fluid Treating Apparatus, subclasses 5+ for treating textiles with gas, steam, or mist.
- 99, Food and Beverages: Apparatus, subclasses 323.1+ for gas treating of food.
- 118, Coating Apparatus, appropriate subclasses for apparatus for coating or impregnating cigars or cigarettes with flavoring materials.
- 239, Fluid Sprinkling, Spraying, and Diffusing, appropriate subclasses for fluid applying apparatus, per se.
- 312, Supports: Cabinet Structure, subclasses 31+ for cabinet structures including the gas or vapor treatment of material.
- 301 Including means to create a vacuum:**  
This subclass is indented under subclass 300. Process or apparatus including means to create a negative atmospheric pressure.
- 302 Including means to circulate fluid:**  
This subclass is indented under subclass 300. Process or apparatus wherein means is provided to circulate the fluent material.
- 303 And temperature or humidity control of fluid:**  
This subclass is indented under subclass 302. Process or apparatus including means to control or regulate the temperature or humidity of the fluid.
- SEE OR SEARCH CLASS:  
236, Automatic Temperature and Humidity Regulation, appropriate subclasses for systems to regulate temperature or humidity in general.
- 304 Including means to convey tobacco:**  
This subclass is indented under subclass 302. Process or apparatus including means to convey the tobacco to, through, or from the treating zone.
- SEE OR SEARCH THIS CLASS, SUBCLASS:  
304+, for similar conveying structure.
- SEE OR SEARCH CLASS:  
198, Conveyors: Power-Driven, for power-driven conveyors, per se.
- 414, Material or Article Handling, for article handling, per se.
- 305 Within rotary drum-type apparatus:**  
This subclass is indented under subclass 300. Process or apparatus wherein the treatment takes place within a drum which rotates to agitate the materials and produce intimate association.
- 306 Including means to convey tobacco:**  
This subclass is indented under subclass 300. Process or apparatus including means to convey the tobacco, into, through, or from the treatment zone.
- SEE OR SEARCH THIS CLASS, SUBCLASS:  
302, for conveying means employed with fluid circulation.
- 307 Including expressing rolls:**  
This subclass is indented under subclass 306. Process or apparatus wherein the tobacco is conveyed through rolls after the fluid treatment to express the excess fluid therefrom.
- SEE OR SEARCH CLASS:  
100, Presses, subclasses 104+ for presses having drain means for the expressed fluid; subclass 138 for fluid expressing while conveying; and subclasses 155+ for roll-type presses.
- 308 Containing enzymes to cause fermentation:**  
This subclass is indented under subclass 300. Process or apparatus wherein the treating fluid contains any one of a number of complex proteins commonly known as enzymes, to cause or aid in fermentation.
- 309 Other than water, steam, or air:**  
This subclass is indented under subclass 300. Process or apparatus wherein the fluid or fluent material is a material other than water, steam, or air.
- 310 Organic:**  
This subclass is indented under subclass 309. Process or apparatus wherein the fluid or fluent material contains a carbon compound.

- 311 Including leaf disintegration:**  
This subclass is indented under subclass 290. Process or apparatus wherein means are employed to break the tobacco into small particles or otherwise destroy the unity or integrity thereof.
- 312 And separation of fibers of different character:**  
This subclass is indented under subclass 311. Process or apparatus including means to separate fibers of known or identifiable character.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
110, for fiber separation combined with tobacco feeding.
- SEE OR SEARCH CLASS:  
209, Classifying, Separating, and Assorting Solids, appropriate subclasses for separating, per se.
- 313 Leaf stemming:**  
This subclass is indented under subclass 290. Process or apparatus for removing the stem from a tobacco leaf.
- (1) Note. This subclass includes a process or apparatus for reducing the leaf stem by abrading or attrition.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
311+, for stemming by disintegration.
- 314 With stem cleaning:**  
This subclass is indented under subclass 313. Product or apparatus wherein the stem is cleansed before or after removal.
- 315 And straightening, smoothing, flattening, or cleaning:**  
This subclass is indented under subclass 313. Process or apparatus wherein the tobacco leaf is further treated by a straightening, smoothing, flattening, or cleaning action.
- 316 Booking:**  
This subclass is indented under subclass 315. Process or apparatus wherein the tobacco leaves are superposed to form a stack commonly known in the art as a book.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
326, for booking a tobacco leaf that has not been stemmed.
- 317 Stemmed by rotary or endless cutter:**  
This subclass is indented under subclass 316. Process or apparatus wherein the stem is removed by a cutter which is endless in form or which rotates.
- 318 By fluid current:**  
This subclass is indented under subclass 313. Process or apparatus wherein the stem is removed from the tobacco leaf by a blast of fluid current.
- 319 By tearing:**  
This subclass is indented under subclass 313. Process or apparatus wherein the stem is removed from the tobacco leaf by a tearing or ripping operation.
- 320 Including transverse stem cutting:**  
This subclass is indented under subclass 319. Process or apparatus wherein the stem is severed transversely by a cutting device.
- 321 Card clothing type:**  
This subclass is indented under subclass 319. Process or apparatus wherein the tobacco leaf stem is held and the leaf portion is torn away from the stem by means of rotating fingerlike devices.
- 322 By cutting:**  
This subclass is indented under subclass 313. Process or apparatus wherein the stem and leaf material are separated by a cutting action.
- 323 Stem die type:**  
This subclass is indented under subclass 322. Process or apparatus wherein the stem is severed from the leaf by die cutters which approximate the cross-sectional shape of the stem.
- 324 Leaf straightening, brushing, smoothing, rolling, corrugating, or flattening with or without stem crushing:**  
This subclass is indented under subclass 290. Process and apparatus for performing operations on leaf tobacco such as straightening,

smoothing, brushing, rolling, or stem crushing, corrugating, flattening.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

307, for process and apparatus for moistening tobacco and subsequently expressing the excess moisture therefrom the use of rolls.

315+, for process and apparatus for smoothing or cleaning leaf tobacco in combination with the removal of stems therefrom.

**325 And cleaning:**

This subclass is indented under subclass 324. Process or apparatus wherein the tobacco leaf is cleansed.

**326 Booking:**

This subclass is indented under subclass 324. Process or apparatus wherein the leaves are superposed to form a stack commonly known in the art as a book.

**327 Leaf associating or disassociating:**

This subclass is indented under subclass 290. Process or apparatus for bringing together and bundling leaf tobacco or for separating or segregating masses of leaves.

(1) Note. The association of leaves may be for the purpose of blending tobaccos.

SEE OR SEARCH CLASS:

209, Classifying, Separating, and Assorting Solids, appropriate subclasses for leaf sorting.

**328 MAKING OR USING TOBACCO USERS' APPLIANCE:**

This subclass is indented under the class definition. Process or apparatus specifically designed to make or use an appliance, e.g., pipe or cigarette holder, which is normally used by a use of tobacco.

(1) Note. This subclass includes devices for and methods of breaking in or presmoking pipes. Also included herein are miscellaneous apparatus and process of manufacturing tobacco users' appliances not elsewhere provided for.

**329 TOBACCO USERS' APPLIANCE:**

This subclass is indented under the class definition. Device peculiarly adapted for use by a user of tobacco.

**330 Device used for smoking:**

This subclass is indented under subclass 329. Appliance designed to burn tobacco or a substitute material, and delivers the products of combustion to the appliance user.

(1) Note. Included in this and the indented subclasses are devices for receiving or holding tobacco or a substitute material in loose or cartridge form, means for burning the material, and means for conveying the product of combustion, usually to the mouth of the user, and subcombinations of such devices not elsewhere provided for.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

329, for devices which distill rather than burn tobacco or a tobacco substitute.

SEE OR SEARCH CLASS:

446, Amusement Devices: Toys, subclass 6 for bubble blowing pipes.

**331 SMOKE SEPARATOR OR TREATER:**

This subclass is indented under the class definition. Product or process comprising (a) means for removing or separating a constituent material from tobacco smoke, or (b) means for adding a constituent or otherwise treating tobacco smoke.

(1) Note. Included in this subclass is stock material which is solely disclosed as being filter material for a smoking product or device. Such material requiring no treatment other than cutting or altering to proper size.

(2) Note. Also included in this subclass is a special arrangement of tobacco in a portion of the cigar or cigarette which is disclosed as a smoke separator or filter, but which may be burned, provided this portion is distinguished from the remainder of the cigar or cigarette as a separate segment or mass.

- (3) Note. The method of making a smoke separator, e.g., filter, and apparatus for practicing the method are not included under this subclass and will be found in the manufacturing class appropriate to the method, apparatus, or material involved.
- 332 Having a polymer:**  
This subclass is indented under subclass 331. Product or process wherein the means comprises a chemical composition comprising the union of a considerable number of repeated structural units.
- SEE OR SEARCH CLASS:  
520, Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series, appropriate subclasses for the specific polymer.
- 333 By electric, magnetic, or radioactive action:**  
This subclass is indented under subclass 331. Product or process wherein separation is effected due to the presence of a charged electric field, magnetic field, or the presence of alpha, beta, or gamma rays.
- 334 By chemical reaction, e.g., ion-exchange, chelating, catalytic, etc.:**  
This subclass is indented under subclass 331. Product or process wherein separation is effected by a chemical reaction which includes the tobacco smoke.
- (1) Note. Examples of chemical reactions which will be found under this subclass are ion-exchange reactions, chelating reactions, catalytic conversions, and oxidation reduction systems, etc.
- 335 By adding constituent to smoke stream:**  
This subclass is indented under subclass 331. Product or process wherein the separator or treater is a means which allows the addition of a heretofore not present constituent to the smoke stream.
- 336 Air:**  
This subclass is indented under subclass 335. Product or process wherein the constituent added is air.
- SEE OR SEARCH THIS CLASS, SUBCLASS:  
198.1+, for air inlets in a cigar holder, cigarette holder, or pipe.  
272, for antismoking devices wherein the smoke to air ratio is controlled.
- 337 Having destructible, fusible, soluble, or deformable container for treatment material:**  
This subclass is indented under subclass 335. Product or process wherein a container is provided for the constituent, at least a portion of a wall of the container being intended to be destroyed, melted, dissolved, or otherwise deformed, in order to release the contents into the product.
- 338 Having means to vary smoke flow rate:**  
This subclass is indented under subclass 331. Product or process having means to cause variations in the smoke stream velocity.
- 339 Interior surface causes particular flow characteristic:**  
This subclass is indented under subclass 331. Product or process wherein the means has an internal cavity through which the smoke passes, the cavity having a surface on which the smoke impinges, the surface causing the smoke to assume a preset or prearranged flow path, or flow in a prescribed manner.
- SEE OR SEARCH THIS CLASS, SUBCLASS:  
209, through 213, 217, and 218, for smoking device, e.g., pipe, having a similar structure for separating the constituent of the smoke.
- 340 By use of specific filter mass:**  
This subclass is indented under subclass 339. Product or process wherein the surface is part of a particular filter mass, the mass being specifically disclosed in an arrangement to cause the flow of smoke to follow a predetermined or prearranged path.
- 341 Plural diverse elements:**  
This subclass is indented under subclass 331. Product or apparatus wherein the means comprises at least two components which differ

- from each other in either composition, shape, or form.
- 342 Including particulate material:**  
This subclass is indented under subclass 341. Product or process wherein at least one of the elements comprises a plurality of small particles.
- (1) Note. Included in this subclass is tobacco in flake form.
- 343 Plasticizer or adhesive coating:**  
This subclass is indented under subclass 341. Product or process wherein one element is a coating or covering for another element, the coating or covering serving to soften, bond, bind, or enhance filtration.
- SEE OR SEARCH THIS CLASS, SUBCLASS:  
355, for tobacco compositions in which the tobacco fibers carry an adhesive coating.
- SEE OR SEARCH CLASS:  
55, Gas Separation, subclass 524 for gas separating media of general utility comprising a coating impregnant or bonding agent.  
427, Coating Processes, appropriate subclasses.  
428, Stock Material or Miscellaneous Articles, appropriate subclasses for a coated or impregnated strand or fiber.  
501, Compositions: Ceramic, appropriate subclasses for ceramic compositions.
- 344 Occupying plural, separate, distinct zones:**  
This subclass is indented under subclass 341. Product or process wherein the diverse elements occupy separate and distinct clearly identifiable areas.
- 345 Including a cellulose ester or ether:**  
This subclass is indented under subclass 331. Product or process including (a) cellulose which has been treated with an acid to form a cellulose ester, or (b) cellulose which has been treated with an alcohol to form a cellulose ether.
- 346 With indicator or inspection means:**  
This subclass is indented under subclass 331. Product or process including means to indicate to the user that deleterious material has been separated from the smoke screen, or means to inspect the deleterious material that has been separated.
- 347 TOBACCO OR TOBACCO SUBSTITUTE PRODUCT OR COMPONENT PART THEREOF:**  
This subclass is indented under the class definition. Products which contain tobacco or a tobacco substitute, and are intended for personal use for smoking, chewing, or for use as snuff.
- (1) Note. Component parts of tobacco products will be found in this and the indented subclasses when such component parts are not elsewhere classifiable.
- 348 Pipe cartridges:**  
This subclass is indented under subclass 347. Product specifically designed to form a charge for a smoking pipe.
- 349 With ash retainer or means to prevent or retard burning:**  
This subclass is indented under subclass 347. Product including means to retain or receive the burnt ash of the consumed tobacco product or means to prevent, retard, or extinguish combustion.
- 350 With means to pierce or protect cigar end structure:**  
This subclass is indented under subclass 347. Product including means to form a hole in the end of a cigar or protect the end of the cigar from accidental damage.
- 351 With means to facilitate ignition:**  
This subclass is indented under subclass 347. Product including means to facilitate the ignition thereof.
- (1) Note. Included in this subclass are smoking products combined with pyrophoric or easily ignitable material and products combined with match scratchers or analogous means.

- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
88, for the application of ignition tips to cigars or cigarettes.
- 352 Compositions, e.g., smoking or chewing mixture or medium:**  
This subclass is indented under subclass 347. Products useable for smoking, chewing, or as snuff.
- 353 Reconstituted tobacco:**  
Compositions under subclass 352 comprising sheet, strip, or leaflike products formed from a combination of two or more pieces of tobacco in any form, such pieces being united by adhesive or cohesive forces.
- 354 Material coated with tobacco dust or particle:**  
This subclass is indented under subclass 353. Compositions wherein a substrate or web is coated with tobacco dust or particles.
- (1) Note. The tobacco substrate or web may be of tobacco or nontobacco material.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
371, for the dust impingement method or apparatus for making reconstituted tobacco.
- 355 Tobacco particles bonded by nontobacco adhesive:**  
This subclass is indented under subclass 353. Reconstituted tobacco wherein the adhesive used is derived from a nontobacco source.
- 356 Having tobacco extracts or tobacco paste:**  
This subclass is indented under subclass 353. Compositions wherein a substrate is treated with a substance that has been extracted from tobacco or with a paste made from tobacco particles.
- (1) Note. The substrate may be tobacco or nontobacco material.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
373, for method or apparatus of impregnating a web with tobacco paste.
- 357 Tobacco sheet formed from wet ground or wet beaten tobacco:**  
This subclass is indented under subclass 353. Compositions wherein tobacco is ground or beaten in or underwater to produce a gelatinous mass, the mass then being formed and dried into a reconstituted product.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
370, 374 and 375, for process and apparatus for making reconstituted tobacco of this type.
- 358 Wrapper:**  
This subclass is indented under subclass 353. Reconstituted tobacco used as a wrapper for a tobacco product, e.g., cigar wrapper.
- 359 Tobacco substitute, i.e., nontobacco:**  
This subclass is indented under subclass 352. Compositions which are of a composition other than tobacco.
- 360 Cigar or cigarette:**  
This subclass is indented under subclass 347. Product which are tubular in physical shape, and are designed to be ignited at one end and having the smoker draw the smoke through to the other end.
- 361 End structure:**  
This subclass is indented under subclass 360. Product wherein significance is attributed to the structure at either end of the cigar or cigarette.
- 362 Coated or impregnated:**  
This subclass is indented under subclass 361. Products wherein the end structure has been treated by coating or impregnating.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
290+, for process and apparatus for treating tobacco products.
- 363 Filler penetrating:**  
This subclass is indented under subclass 361. Products wherein the end structure is at least partially surrounded by a portion of the filler.

- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
188+, for cigar and cigarette holders with end perforators.
- 364 Blank or filler:**  
This subclass is indented under subclass 360. Product wherein significance is attributed to that portion of the cigar or cigarette which is left when the wrapper material is removed.
- 365 Wrapper or binder:**  
This subclass is indented under subclass 360. Product wherein the significance is attributed to that portion of the cigar or cigarette which wraps the blank or filler material.
- 366 Plug tobacco:**  
This subclass is indented under subclass 347. Product wherein tobacco has been compressed into a dense mass commonly known as a plug.
- (1) Note. Tobacco in this form is usually known as chewing tobacco and is not intended for smoking.
- 367 Having specific shape:**  
This subclass is indented under subclass 366. Plug tobacco wherein significance is attributed to the shape of the plug.
- 368 With identification, marking, label, or tag:**  
This subclass is indented under subclass 366. Plug tobacco wherein the plug is provided with some form of marking, label, tag, or other identification.
- 369 METHOD OR APPARATUS FOR MAKING TOBACCO SUBSTITUTE:**  
This subclass is indented under the class definition. Method or apparatus for making particles, or sheet, strip, or leaflike products from nontobacco material wherein the nontobacco material is to be used as a substitute for tobacco.
- 370 METHOD OR APPARATUS FOR MAKING RECONSTITUTED TOBACCO:**  
This subclass is indented under the class definition. Method or apparatus for making sheet, strip, or leaflike products from a combination of two or more pieces of tobacco in any form, such pieces being united by adhesive or cohesive forces.
- 371 Dust impingement:**  
This subclass is indented under subclass 370. Process or apparatus wherein ground tobacco is applied to a surface having adhesive thereon, and then allowing the mixture to dry.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
354, for compositions of this type, per se.
- 372 Slurry:**  
This subclass is indented under subclass 370. Process or apparatus wherein tobacco particles are mixed into a flowable solution, the solution then being poured out onto a surface and allowed to dry.
- (1) Note. The solution may contain adhesive, reinforcing fibers, etc.
- 373 Impregnation of web:**  
This subclass is indented under subclass 370. Process or apparatus wherein a web of material is impregnated with a tobacco paste and allowed to dry.
- (1) Note. The paste is usually a suspension of tobacco dust or particles and other additives such as adhesive.
- 374 Paper process:**  
This subclass is indented under subclass 370. Process or apparatus wherein the reconstituted tobacco is manufactured by a paper-making method or apparatus.
- SEE OR SEARCH CLASS:  
162, Paper Making and Fiber Liberation, appropriate subclasses for the particular paper-making process or apparatus.
- 375 Extrusion:**  
This subclass is indented under subclass 370. Process or apparatus wherein tobacco particles are mixed with an adhesive and pushed or forced through an orifice onto a sheet for drying.

CROSS-REFERENCE ART COLLECTIONS



- 900 LIQUIFIED GAS EMPLOYED IN PUFFING TOBACCO:**  
Process or apparatus related to the puffing of tobacco wherein a gas in liquid form is employed.
- 901 ORGANIC LIQUID EMPLOYED IN PUFFING TOBACCO:**  
Process or apparatus wherein a liquid containing a carbon compound is employed in the puffing of tobacco.
- 902 INORGANIC CHEMICAL AGENTS EMPLOYED IN PUFFING TOBACCO:**  
Process or apparatus wherein noncarbon containing chemical agents are employed in the puffing of tobacco.
- 903 FIXING THE PRODUCT AFTER PUFFING:**  
Process or apparatus wherein previously puffed tobacco is treated to allow it to retain its puffed structure and preclude shrinking.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
292, for a freeze drying step in a puffing treatment.
- 904 PNEUMATIC MEANS FOR SENSING CONDITION OR CHARACTERISTIC:**  
Process or apparatus relating to the manufacture of a tobacco product wherein a particular characteristic or condition is sensed, the sensing means being wholly or partly pneumatic.
- (1) Note. Means responsive to the condition or characteristic sensed to control the operation of the product maker is also included herein.
- 905 RADIATION SOURCE FOR SENSING CONDITION OR CHARACTERISTIC:**  
Process or apparatus relating to the manufacture of a tobacco product wherein a particular condition or characteristic is sensed by means employing an element which emits alpha, beta, or gamma rays.
- 906 SENSING CONDITION OR CHARACTERISTIC OF CONTINUOUS TOBACCO ROD:**  
Process or apparatus relating to the manufacture of a tobacco product wherein a condition or characteristic of a continuous tobacco rod, usually of cigarette material, is sensed.
- 907 EJECTION OR REJECTION OF FINISHED ARTICLE DUE TO DETECTED OR SENSED CONDITION:**  
Process or apparatus relating to the manufacture of a tobacco product wherein a means is employed to sense a particular condition, and a reaction means ejects or rejects the finished tobacco product due to the condition sensed.
- 908 SENSING UNIQUE CHARACTERISTIC OR SPECIFIC CONDITION OF FINISHED PRODUCT:**  
Process or apparatus relating to the manufacture of a tobacco product wherein means are employed to sense a particular characteristic or a specific condition of a finished product, examples of such characteristics are conditions being, moisture content, weight, length, all of which may be measured against a standard, or one product relative to another.
- 909 SENSING CONDITION IN FEED HOPPER FOR CIGAR OR CIGARETTE MAKING:**  
Product or apparatus relating to the manufacture of a tobacco product wherein a sensor is employed to sense a particular condition in a hopper which feeds tobacco to the cigar or cigarette maker.
- 910 SENSING OR DETECTING MALFUNCTION IN CIGAR OR CIGARETTE MAKER:**  
Process or apparatus relating to the manufacture of tobacco products wherein means are employed to sense or detect any operation or machine malfunction.
- END