

## B27 WORKING OR PRESERVING WOOD OR SIMILAR MATERIAL; NAILING OR STAPLING MACHINES IN GENERAL

**B27B SAWS; COMPONENTS OR ACCESSORIES THEREFOR** (saws specially adapted for pruning or debranching A01G 3/08; sawing apparatus specially adapted for felling trees A01G 23/091; features not restricted to a particular type of wood saw B23D, e.g. attaching saw blades B23D 51/00; machine tool frames, beds, pillars or like members, in general B23Q 1/01) [5]

### Subclass Index

#### SAWS CHARACTERISED BY THE ACTIVE ELEMENT

Reciprocating .....	3/00, 11/00, 19/00	Other kinds .....	23/00
Circular .....	5/00, 7/00, 9/00	PORTABLE OR HAND SAWS .....	9/00, 21/00
Band or strap .....	13/00, 15/00	ACTIVE ELEMENTS.....	23/00, 33/00
Chain.....	17/00	ACCESSORIES.....	25/00 to 31/00
		SAWING TRUNKS OR LOGS, SAWS SPECIALLY ADAPTED THEREFOR.....	1/00, 3/00, 7/00, 15/00

**1/00 Methods for subdividing trunks or logs essentially involving sawing** (features of machines used, see the relevant groups for the machines)

**3/00 Gang saw mills; Other sawing machines with reciprocating saw blades, specially designed for length sawing of trunks**

- 3/02 . with vertically-reciprocating saw frame
- 3/04 . . with multiple-blade saw frame
- 3/06 . . with side blade saw frame
- 3/08 . . . combined with a multiple-blade saw frame
- 3/10 . . Saw frames or guides therefor
- 3/12 . . Mechanisms for producing the reciprocating movement of the saw frame; Arrangements for damping vibration; Arrangements for counterbalancing (B27B 3/26 takes precedence)
- 3/14 . . Arrangements for raising or lowering the feed rollers
- 3/16 . . Driving mechanisms for the feed rollers
- 3/18 . . Controlling equipment, e.g. for controlling the drive
- 3/20 . . Equipment for guiding the sawn part of timber during machining, e.g. preventing faults due to torsional stress
- 3/22 . with horizontally-reciprocating saw frame
- 3/24 . . Arrangements for raising and lowering the saw frame
- 3/26 . . Mechanisms for producing the reciprocating movement of the saw frame; Arrangements for damping vibrations; Arrangements for counterbalancing
- 3/28 . Components
- 3/30 . . Blade attachments, e.g. saw buckles; Stretching devices
- 3/32 . . . the stretching devices being equipped with screw-threaded or wedging means
- 3/34 . . . the stretching devices being actuated by fluid pressure
- 3/36 . . Devices for adjusting the mutual distance of the saw blades
- 3/38 . . . Spacing bars; Spacing plates
- 3/40 . . Devices for adjusting the overhang of the saw

#### Circular saws

**5/00 Sawing machines working with circular saw blades** (for length sawing of trunks B27B 7/00); **Components or equipment therefor**

- 5/02 . characterised by a special purpose only
- 5/04 . . for edge trimming
- 5/06 . . for dividing plates in parts of determined size, e.g. panels
- 5/065 . . . with feedable saw blades, e.g. arranged on a carriage [6]
- 5/07 . . . . the plate being positioned in a substantially vertical plane (B27B 5/075 takes precedence) [6]
- 5/075 . . . . characterised by having a plurality of saw blades, e.g. turning about perpendicular axes [6]
- 5/08 . . for sawing with the saw blade abutting parallel against a surface of the workpiece
- 5/10 . Wheeled circular saws; Circular saws designed to be attached to tractors or other vehicles and driven by same
- 5/12 . Cylinder saws
- 5/14 . Rim-driven circular saws
- 5/16 . Saw benches (B27B 15/06 takes precedence)
- 5/18 . . with feedable circular saw blade, e.g. arranged on a carriage
- 5/20 . . . the saw blade being adjustable according to depth or angle of cut; Radial saws, i.e. sawing machines with a pivoted radial arm for guiding the movable carriage
- 5/22 . . with non-feedable circular saw blade
- 5/24 . . . the saw blade being adjustable according to depth or angle of cut
- 5/26 . . . the table being adjustable according to depth or angle of cut
- 5/29 . Details; Component parts; Accessories [2]
- 5/30 . . for mounting or securing saw blades or saw spindles
- 5/32 . . . Devices for securing circular saw blades to the saw spindle
- 5/34 . . . Devices for securing a plurality of circular saw blades on a single saw spindle; Equipment for adjusting the mutual distance

## B27B

- 5/36 . . . Mounting for swivelling or tilting the circular saw blade
- 5/38 . . . Devices for braking the circular saw blade or the saw spindle; Devices for damping vibrations of the circular saw blade, e.g. silencing
- 7/00 Sawing machines working with circular saw blades, specially designed for length sawing of trunks**
  - 7/02 . by making use of circular saws mounted substantially at right angles, e.g. vertically and horizontally
  - 7/04 . by making use of a plurality of circular saws mounted on a single spindle; Arrangements for adjusting the mutual distances
- 9/00 Portable power-driven circular saws for manual operation** (details or components, e.g. handles, casings, of portable power-driven tools not particularly related to the operation performed B25F 5/00) [4]
  - 9/02 . Arrangements for adjusting the cutting depth or the amount of tilting
  - 9/04 . Guiding equipment, e.g. for cutting panels
- 11/00 Cross-cut reciprocating saws with power drive; Appurtenances therefor**
  - 11/02 . Arrangements for guiding the saw blade
  - 11/04 . . Supports able to be attached to the work
  - 11/06 . Arrangements for chucking the saw blade, with or without releasable transmission mechanisms for uncoupling the drive
  - 11/08 . Frames, pillars, or beds
  - 11/10 . Devices for clamping the work or holding same in position
  - 11/12 . Saw assemblies designed to be mounted on or driven by tractors

### Band or strap sawing machines

- 13/00 Band or strap sawing machines** (for length cutting of trunks B27B 15/00); **Components or equipment therefor**
  - 13/02 . Frames, Pillars
  - 13/04 . Work-tables; Arrangements for tilting the band saw blade
  - 13/06 . Saw pulleys; Bearings therefor
  - 13/08 . Arrangements for stretching the band saw blade
  - 13/10 . Guiding equipment for the band saw blade, e.g. guide rollers, back guides, side guides
  - 13/12 . Lubricating devices specially designed for band saw blades
  - 13/14 . Braking devices specially designed for band sawing machines, e.g. acting after damage of the band saw blade
  - 13/16 . Accessories, e.g. for cooling the saw blade
- 15/00 Band or strap sawing machines specially designed for length cutting of trunks**
  - 15/02 . with horizontally-guided saw blade, i.e. horizontal log band saw
  - 15/04 . with vertically-guided saw blade
  - 15/06 . in combined arrangement with circular saws for performing simultaneously several sawing procedures
  - 15/08 . with a plurality of band saw blades

### **17/00 Chain saws; Equipment therefor**

- 17/02 . Chain saws equipped with guide bar (B27B 17/06 takes precedence)
- 17/04 . . Roller bearing guides

- 17/06 . Chain saws mounted on a bow
- 17/08 . Drives or gearings; Devices for swivelling or tilting the chain saw
- 17/10 . . Transmission clutches specially designed for chain saws
- 17/12 . Lubricating devices specially designed for chain saws
- 17/14 . Arrangements for stretching the chain saw
- 19/00 Other reciprocating saws with power drive; Fret-saws** (details or components, e.g. casings, bodies, of portable power-driven tools not particularly related to the operation performed B25F 5/00) [4]
  - 19/02 . Saws with a power-driven blade chucked at both ends or at one end only, e.g. jig saws, scroll saws (B27B 19/10 takes precedence)
    - 19/04 . . characterised by power drive, e.g. by electromagnetic drive
    - 19/06 . . Stationary machines
    - 19/09 . . portable [2]
    - 19/10 . Fret-saws, i.e. with bilaterally-chucked saw blade in a manually-guided bow
      - 19/12 . . with power drive
      - 19/14 . . with hand drive
  - 21/00 Hand saws without power drive** (B27B 19/14 takes precedence); **Equipment for hand sawing, e.g. saw horses**
    - 21/02 . Buck or hack saws
    - 21/04 . Cross-cut saws; Pad saws
    - 21/06 . Arrangements for stretching the saw blade
    - 21/08 . Arrangements of gauging or adjusting equipment on hand saws, e.g. for limiting the cutting depth
  - 23/00 Other cutting of wood by non-rotary toothed tools; Tools therefor** (cutting with hot wire B27M 1/06)

### Components or accessories for saws

- 25/00 Feeding devices for timber in saw mills or sawing machines; Feeding devices for trees** (B27B 31/00 takes precedence) [5]
  - 25/02 . with feed and pressure rollers
  - 25/04 . with feed chains or belts
  - 25/06 . Resilient feeding or pressing accessories, e.g. pads, springs
  - 25/08 . Feeding devices able to be attached to any sawing machine
  - 25/10 . Manually-operated feeding or pressing accessories, e.g. pushers
- 27/00 Guide fences or stops for timber in saw mills or sawing machines; Measuring equipment thereon** (safety guards or devices specially designed for wood saws B27G 19/00; constructional features of measuring devices G01B)
  - 27/02 . arranged laterally and parallel with respect to the plane of the saw blade
  - 27/04 . arranged perpendicularly to the plane of the saw blade
  - 27/06 . arranged angularly with respect to the plane of the saw blade, e.g. for mitring
  - 27/08 . arranged adjustably, not limited to only one of the groups B27B 27/02 to B27B 27/06
  - 27/10 . Devices for moving or adjusting the guide fences or stops

- 29/00 Gripping, clamping, or holding devices for the trunk or log in saw mills or sawing machines** (safety guards or devices specially designed for wood saws B27G 19/00; for other timber, see the relevant groups for the machines); **Travelling trunk or log carriages**
- 29/02 . Clamping angles; Gripping equipment thereon
  - 29/04 . Trunk or log carriages with gripping means which do not pass the saw blade(s), especially for gang saws; Arrangement of gripping accessories thereon
  - 29/06 . . Auxiliary trunk or log carriages for carrying initially the log to the feed rollers or for carrying the sawn part of the log
  - 29/08 . Trunk or log carriages with gripping means designed to pass the saw blade(s), especially for band saws; Arrangement of gripping accessories thereon; Turning devices thereon
  - 29/10 . . Assemblies for laterally adjusting or controlling the clamping or turning devices with respect to the thickness of the board to be sawn
- 31/00 Arrangements for conveying, loading, turning, adjusting, or discharging the log or timber, specially designed for saw mills or sawing machines** (B27B 29/00 takes precedence)
- 31/02 . Loading equipment for travelling carriages
  - 31/04 . Turning equipment
  - 31/06 . Adjusting equipment, e.g. using optical projection
  - 31/08 . Discharging equipment
- 33/00 Sawing tools for saw mills, sawing machines, or sawing devices**
- 33/02 . Structural design of saw blades or saw teeth
  - 33/04 . . Gang saw blades
  - 33/06 . . Band saw blades
  - 33/08 . . Circular saw blades
  - 33/10 . . Hand saw blades
  - 33/12 . . Saw blades having inserted or exchangeably arranged bits or toothed segments
  - 33/14 . Saw chains
  - 33/16 . Saw wires; Twisted saw strips
  - 33/18 . Saw cylinders having a toothed front rim
  - 33/20 . Edge trimming saw blades or tools combined with means to disintegrate waste [2]

**B27C PLANING, DRILLING, MILLING, TURNING, OR UNIVERSAL MACHINES** (machine tools in general B23; working wood using abrasive, e.g. sanding, devices B24; tools for these purposes B27G)

- 1/00 Machines for producing flat surfaces, e.g. by rotary cutters; Equipment therefor**
- 1/02 . Smoothing, i.e. working one side only
  - 1/04 . Thickening machines
  - 1/06 . Machines for smoothing and subsequent thickening
  - 1/08 . Machines for working several sides of work simultaneously
  - 1/10 . Hand planes equipped with power-driven cutter blocks (details or components, e.g. casings, bodies, of portable power-driven tools not particularly related to the operation performed B25F 5/00) [4]
  - 1/12 . Arrangements for feeding work
  - 1/14 . Other details or accessories
- 3/00 Drilling machines or drilling devices; Equipment therefor** (B23B takes precedence)
- 3/02 . Stationary drilling machines with a single working spindle
  - 3/04 . Stationary drilling machines with a plurality of working-spindles
  - 3/06 . Drilling machines or devices for making dowel holes
  - 3/08 . Operator-supported drilling machines or devices
- 5/00 Machines designed for producing special profiles or shaped work, e.g. by rotary cutters; Equipment therefor** (turning B27C 7/00; features of copying devices B23Q 35/00; slotting, mortising, making tongues or grooves B27F)
- 5/02 . Machines with table
  - 5/04 . . Guide fences for work
  - 5/06 . . Arrangements for clamping or feed work
  - 5/08 . Rounding machines
  - 5/10 . Portable hand-operated wood-milling machines; Routers (details or components, e.g. casings, bodies, of portable power-driven tools not particularly related to the operation performed B25F 5/00) [4]
- 7/00 Wood-turning machines; Equipment therefor** (B23B, B23G, B23Q take precedence; features of copying devices B23Q 35/00)
- 7/02 . Lathes for hand turning
  - 7/04 . Devices for centring or chucking work
  - 7/06 . Arrangements for guiding or supporting the tool, e.g. tool rests
- 9/00 Multi-purpose machines; Universal machines; Equipment therefor**
- 9/02 . with a single working-spindle
  - 9/04 . with a plurality of working-spindles

**B27D WORKING VENEER OR PLYWOOD** (applying liquids or other fluent materials to surfaces in general B05; grinding, sanding, or polishing of wood B24; applying adhesives or glue to surfaces of wood B27G 11/00; manufacture of veneer B27L 5/00)

**Note**

The layered products classified in this subclass are also classified in B32B. [3]

<p><b>1/00</b> <b>Joining wood veneer with any material; Forming articles thereby</b> (manufacture by dry processes of articles made from particles or fibres consisting of wood or other lignocellulosic or like organic material B27N); <b>Preparatory processing of surfaces to be joined, e.g. scoring</b></p> <p>1/02 . Hot tables for warming veneers</p> <p>1/04 . to produce plywood or articles made therefrom; Plywood sheets</p> <p>1/06 . . Manufacture of central layers; Form of central layers</p>	<p>1/08 . . Manufacture of shaped articles; Presses specially designed therefor</p> <p>1/10 . Butting blanks of veneer; Jointing same along edges; Preparatory processing of edges, e.g. cutting</p> <p><b>3/00 Veneer presses; Press plates; Plywood presses</b> (presses in general B30B)</p> <p>3/02 . with a plurality of press plates, i.e. multi-platen hot presses</p> <p>3/04 . with endless arrangement of moving press plates, belts, or the like</p> <p><b>5/00 Other working of veneer or plywood specially adapted to veneer of plywood</b> (working of strips in the same way as cane B27J)</p>
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**B27F DOVETAILED WORK; TENONS; SLOTTING MACHINES; NAILING OR STAPLING MACHINES** (hand-held nailing or stapling tools B25C; manufacture of cases, trunks or boxes from wood B27M 3/34; connections for building structures in general, e.g. dowels for use in building constructions E04B 1/38; jointing elements in general, e.g. dowels in general, F16B)

**Notes**

- (1) This subclass covers also the assembling of the elements to be jointed, e.g. using adhesives.
- (2) This subclass does not cover the application of adhesives or glue to surfaces of wood to be jointed, which is covered by group B27G 11/00.

<p><b>1/00 Dovetailed work; Tenons; Making tongues or grooves</b> (slotting B27F 5/00); <b>Groove-and-tongue jointed work; Finger-joints</b> (machines or devices for working mitred joints B27G 5/00; cutting tools for cutting grooves or tenons B27G 13/14) [2]</p> <p>1/02 . Making tongues or grooves, of indefinite length</p> <p>1/04 . . along only one edge of a board</p> <p>1/06 . . simultaneously along opposite edges of a board</p> <p>1/08 . Making dovetails, tongues, or tenons, of definite limited length</p> <p>1/10 . . Cutting tenons of round or rounded-off profile</p> <p>1/12 . . Corner-locking machines, i.e. machines for cutting crenellated joints</p> <p>1/14 . . . Arrangements of gauging means specially designed for corner-locking machines (measuring instruments G01)</p> <p>1/16 . Making finger joints, i.e. joints having tapers in the opposite direction to those of dovetail joints (B27F 1/08 takes precedence) [2]</p> <p><b>4/00 Machines for inserting dowels, with or without drilling equipment</b> (manufacture of wooden dowels B27M 3/28)</p> <p><b>5/00 Slotted or mortised work</b> (hand mortising chisels B27G 17/08)</p> <p>5/02 . Slotting or mortising machines</p> <p>5/04 . . equipped with both chain cutters and chisel cutters</p> <p>5/06 . . equipped with chain cutters</p> <p>5/08 . . . Chain cutters</p>	<p>5/10 . . equipped with chisel cutters</p> <p>5/12 . . for making holes designed for taking up fittings, e.g. in frames of doors, windows, furniture</p> <p><b>7/00 Nailing or stapling</b> (surgical staplers A61B 17/068; hand-held nailing tools B25C 1/00; manually operated portable stapling tools, hand-held power-operated stapling tools B25C 5/00); <b>Nailed or stapled work</b></p> <p>7/02 . Nailing machines</p> <p>7/04 . . Equipment for bending nails driven through</p> <p>7/05 . . Driving means [3]</p> <p>7/07 . . . operated by manual power [3]</p> <p>7/09 . . . operated by fluid pressure [3]</p> <p>7/11 . . . operated by electric power [3]</p> <p>7/13 . . Nail feeding devices [3]</p> <p>7/15 . Machines for driving in nail-plates [3]</p> <p>7/17 . Stapling machines [3,5]</p> <p>7/19 . . with provision for bending the ends of the staples on to the work [3]</p> <p>7/21 . . . with means for forming the staples in the machine [3]</p> <p>7/23 . . . . with rotary drive [3]</p> <p>7/26 . . without provision for bending the ends of the staples on to the work [3]</p> <p>7/28 . . . with means for forming the staples in the machine [3]</p> <p>7/30 . . Driving means [3]</p> <p>7/32 . . . operated by manual power [3]</p>
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- 7/34 . . . operated by fluid pressure [3]  
 7/36 . . . operated by electric power [3]

- 7/38 . . . Staple feeding devices [3]

**B27G ACCESSORY MACHINES OR APPARATUS; TOOLS; SAFETY DEVICES, E.G. FOR SAWS** (clamping devices for mitre joints, presses for producing frames, press frames, or cages equipped with clamping devices B25B; woodworkers' benches B25H)

### Subclass Index

DEVICES OR MACHINES FOR REMOVING KNOTS OR OTHER UNUSABLE PARTS.....	1/00, 3/00	TOOLS.....	13/00, 15/00, 17/00
DEVICES OR MACHINES FOR WORKING MITRE JOINTS OR FOR GLUING.....	5/00, 11/00	DEVICES FOR SAFETY OR PROPER OPERATION.....	19/00, 21/00, 23/00

### Accessory machines or apparatus

- 1/00 Machines or devices for removing knots or other irregularities or for filling-up holes**
- 3/00 Arrangements for removing bark-zones, chips, waste, or dust, specially designed for use in connection with wood-working machine or in wood-working plants**
- 5/00 Machines or devices for working mitre joints with even abutting ends** (with tenon or like connections B27F)
- 5/02 . for sawing mitre joints; Mitre boxes (guide fences for timber in sawing machines B27B 27/00)
- 5/04 . for planing, cutting, shearing, or milling mitre joints
- 11/00 Applying adhesives or glue to surfaces of wood to be joined** (applying liquids, e.g. liquid adhesives, to surfaces in general B05C, B05D; adhesive processes C09J 5/00; associated with particular wood-working, see the relevant subclasses) [2]
- 11/02 . Glue vessels; Apparatus for warming or heating glue

**Tools** (sawing tools B27B 33/00; tools for slotting or mortising machines B27F 5/00; tools for the manufacture of wood shavings, chips, powder, or the like B27L 11/00) [2]

- 13/00 Cutter blocks; Other rotary cutting tools** (B27G 15/00, B27G 17/00 take precedence)
- 13/02 . in the shape of long arbors, i.e. cylinder cutting blocks (B27G 13/12 takes precedence)
- 13/04 . . Securing the cutters by mechanical clamping means
- 13/06 . . Securing the cutters by fluid-pressure clamping means

- 13/08 . in the shape of disc-like members; Wood-milling cutters (B27G 13/12 takes precedence)
- 13/10 . . Securing the cutters, e.g. by clamping collars
- 13/12 . for profile cutting
- 13/14 . . for cutting grooves or tenons
- 13/16 . . for rounding rods, e.g. dowels
- 15/00 Boring or turning tools; Augers**
- 15/02 . Drills for undercutting holes
- 17/00 Manually-operated tools**
- 17/02 . Hand planes (equipped with power-driven cutter blocks B27C 1/10)
- 17/04 . Spokeshaves; Scrapers
- 17/06 . Rasps
- 17/08 . Mortise chisels

### Safety guards or devices

- 19/00 Safety guards or devices specially designed for wood saws** (in general F16P); **Auxiliary devices facilitating proper operation of wood saws**
- 19/02 . for circular saws
- 19/04 . . for manually-operated power-driven circular saws
- 19/06 . for band or strap saws
- 19/08 . Accessories for keeping open the saw kerf, e.g. riving knives, wedge plates
- 19/10 . Measures preventing splintering of sawn portions of wood
- 21/00 Safety guards or devices specially designed for other wood-working machines**
- 23/00 Gauging means specially designed for adjusting of tools or guides, e.g. adjusting cutting blades in cutter blocks** (for guides of sawing machines B27B 27/00)

## **B27H BENDING; COOPERAGE; WHEEL-MAKING**

- 1/00 Bending wood, e.g. wood stock** [2]
- 3/00 Manufacture of constructional elements of tubs, coops or barrels** (assembly, e.g. coopering, B27H 5/00)
- 3/02 . Manufacture of barrel staves
- 3/04 . Manufacture of barrel heads or casings
- 5/00 Manufacture of tubs, coops or barrels** (from veneer strips or sheets B27D 1/00)
- 5/02 . Building up with staves
- 5/04 . . Forming staves into the final shape and assembling same
- 5/08 . Finishing barrels, e.g. cutting grooves

**B27H – B27K**

5/10	. . Trussing or hooping barrels	7/00	<b>Manufacture of wheels wholly or predominantly made from wood, e.g. cart wheels; Manufacture of wood-rimmed wheels, e.g. steering wheels [2]</b>
5/12	. . Making bungs from wood; Drilling or reaming bung holes		

**B27J MECHANICAL WORKING OF CANE, CORK, OR SIMILAR MATERIALS****Note**

In this subclass, the following expression is used with the meaning indicated:

- “working of cane” embraces the working of other materials, e.g. of strips of wood or plastics, in the same manner.

1/00	<b>Mechanical working of cane or the like</b> (weaving D03D)	3/00	<b>Peeling osier rods</b> (debarking trees or logs B27L 1/00)
1/02	. Braiding, e.g. basket-making (braiding in general D04C)	5/00	<b>Mechanical working of cork</b> (manufacture by dry processes of articles made from particles or fibres of cork B27N)
		7/00	<b>Mechanical working of tree or plant materials not otherwise provided for</b>

**B27K PROCESSES, APPARATUS OR SELECTION OF SUBSTANCES FOR IMPREGNATING, STAINING, DYEING, BLEACHING OF WOOD OR SIMILAR MATERIALS, OR TREATING OF WOOD OR SIMILAR MATERIALS WITH PERMEANT LIQUIDS, NOT OTHERWISE PROVIDED FOR** (applying liquids or other fluent materials to surfaces in general B05; coating wood or similar material B44D); **CHEMICAL OR PHYSICAL TREATMENT OF CORK, CANE, REED, STRAW OR SIMILAR MATERIALS [2]**

1/00	<b>Damping wood</b>	3/32	. . Mixtures of different inorganic impregnating agents
1/02	. Apparatus	3/34	. Organic impregnating agents
3/00	<b>Impregnating wood</b> (dyeing, staining B27K 5/00)	3/36	. . Aliphatic compounds
3/02	. Processes; Apparatus	3/38	. . Aromatic compounds
3/04	. . Impregnating in open tanks	3/40	. . . halogenated
3/06	. . Sap stream methods	3/42	. . . nitrated, or nitrated and halogenated
3/08	. . Impregnating by pressure	3/44	. . Tar; Mineral oil
3/10	. . . Apparatus	3/46	. . . Coal tar
3/12	. . Impregnating by coating the surface of the wood with an impregnating paste	3/48	. . . Mineral oil
3/14	. . Bandage methods	3/50	. . Mixtures of different organic impregnating agents
3/15	. . Impregnating involving polymerisation [2]	3/52	. Impregnating agents containing mixtures of inorganic and organic compounds
		5/00	<b>Treating of wood not provided for in groups B27K 1/00, B27K 3/00</b>
		5/02	. Staining or dyeing wood; Bleaching wood (bleaching wood pulp D21C 9/10)
		5/04	. Combined bleaching or impregnating and drying of wood
		5/06	. Softening or hardening wood
		7/00	<b>Chemical or physical treatment of cork</b> (mechanical working of cork B27J 5/00)
		9/00	<b>Chemical or physical treatment of reed, straw, or similar material</b> (mechanical working of cane or the like B27J 1/00)

**Note**

In groups B27K 3/16 to B27K 3/34, in the absence of an indication to the contrary, impregnating agents are classified in the last appropriate place.

3/16	. Inorganic impregnating agents
3/18	. . Compounds of alkaline earth metals
3/20	. . Compounds of alkali metals or ammonium
3/22	. . Compounds of zinc or copper
3/24	. . Compounds of mercury
3/26	. . Compounds of iron, aluminium, or chromium
3/28	. . Compounds of arsenic or antimony
3/30	. . Compounds of fluorine

**B27L REMOVING BARK OR VESTIGES OF BRANCHES (forestry A01G); SPLITTING WOOD; MANUFACTURE OF VENEER, WOODEN STICKS, WOOD SHAVINGS, WOOD FIBRES OR WOOD POWDER**

**1/00 Debarking or removing vestiges of branches from trees or logs** (debarking by chemical treatment B27L 3/00); **Machines therefor [2]**

**Note**

Tree-feeding devices are covered by group B27B 25/00. [5]

1/02 . by rubbing the trunks against each other (B27L 1/04 takes precedence); Equipment for wet practice [5]

1/04 . by rubbing the trunks in rotating drums [5]

1/05 . . Drums therefor [5]

1/06 . Manually-operated or portable devices for debarking or for removing vestiges of branches

1/08 . using rotating rings [5]

1/10 . using rotatable tools (B27L 1/04, B27L 1/08, B27L 1/12 take precedence) [5]

1/12 . using pliable tools [5]

1/14 . using jets of fluid [5]

**3/00 Debarking by chemical treatment**

**5/00 Manufacture of veneer** (working veneer or plywood B27D)

5/02 . Cutting strips from a rotating trunk or piece; Veneer lathes

5/04 . . the trunk being rotated about an axis lying outside it

5/06 . Cutting strips from a stationarily-held trunk or piece by a rocking knife carrier, or from rocking trunk or piece by a stationarily-held knife carrier; Veneer-cutting machines

5/08 . Severing sheets or segments from veneer strips; Shearing devices therefor; Making veneer blanks, e.g. trimming to size

**7/00 Arrangements for splitting wood [6]**

7/02 . using rotating members [6]

7/04 . . Conical screws [6]

7/06 . using wedges, knives or spreaders (B27L 7/02 takes precedence) [6]

7/08 . using chopping blocks [6]

**9/00 Manufacture of wooden sticks, e.g. toothpicks** (of walking sticks, of sticks for umbrellas B27M 3/38; combined with other operations in the manufacture of matches C06F)

**11/00 Manufacture of wood shavings, chips, powder, or the like** (disintegrating in general B02C; edge trimming sawing blades or sawing tools combined with means to disintegrate waste B27B 33/20; obtaining fibres for spinning D01B 1/00; wet methods D21B 1/12); **Tools therefor [2]**

11/02 . of wood shavings or the like

11/04 . . of wood wool

11/06 . of wood powder or sawdust (grinding-stones B24D)

11/08 . of wood fibres, e.g. produced by tearing

**B27M WORKING OF WOOD NOT PROVIDED FOR IN SUBCLASSES B27B TO B27L; MANUFACTURE OF SPECIFIC WOODEN ARTICLES**

**1/00 Working of wood not provided for in subclasses B27B to B27L, e.g. by stretching [2]**

1/02 . by compressing

1/04 . by punching out

1/06 . by burning or charring, e.g. cutting with hot wire (as surface treatment B44B)

1/08 . by multi-step processes [2]

**3/00 Manufacture or reconditioning of specific semi-finished or finished articles** (features of copying devices B23Q; manufacture of plywood or veneer, shaping plywood or veneer into articles B27D; of central layers for plywood B27D 1/06; nailing or stapling machines in general B27F 7/00; of elements for cooperage or wheel-making B27H)

3/02 . of roofing elements, e.g. shingles

3/04 . of flooring elements, e.g. parqueting blocks (assembling wooden elements on backings of other substances B32B, e.g. B32B 37/00)

3/06 . . of composite floor plates by assembling or jointing the parqueting blocks

3/08 . of specially-shaped wood laths or strips

3/10 . of airscrew blades

3/12 . of railings, stairs, stair stringers, ladders, or parts thereof

3/14 . of railroad sleepers

3/16 . of tool handles or tools, e.g. mallets

3/18 . of furniture

3/20 . of lasts; of shoes, e.g. sabots; of parts of shoes, e.g. heels

3/22 . of sport articles, e.g. bowling pins, frames of tennis rackets, skis, paddles

3/24 . of household utensils, e.g. spoons, clothes hangers, clothes pegs

3/26 . of smokers utensils, e.g. pipes

3/28 . of dowels or bolts

3/30 . of bobbins

3/32 . of tapered poles, e.g. mine props

3/34 . of cases, trunks, or boxes, of wood or equivalent material which cannot satisfactorily be bent without softening (nailing or stapling in general B25C, B27F; of cardboard, paper, or similarly workable material B31B)

3/36 . . Machines or devices for attaching blanks together, e.g. for making wire-bound boxes

3/38 . of walking sticks or of sticks for umbrellas

**B27N MANUFACTURE BY DRY PROCESSES OF ARTICLES, WITH OR WITHOUT ORGANIC BINDING AGENTS, MADE FROM PARTICLES OR FIBRES CONSISTING OF WOOD OR OTHER LIGNOCELLULOSIC OR LIKE ORGANIC MATERIAL** (containing cementitious material B28B; shaping of substances in a plastic state B29C; fibreboards made from fibrous suspensions D21J; drying F26B 17/00) [4]

**Note**

This subclass does not cover treatment of compositions which are in a plastic state, or worked by the same type of process or apparatus as plastics, which is covered by subclass B29B or B29C. [4]

<p><b>1/00 Pretreatment of moulding material [4]</b></p> <p>1/02 . Mixing the material with binding agent (mixing in general B01F) [4]</p> <p><b>3/00 Manufacture of substantially flat articles, e.g. boards, from particles or fibres [4]</b></p> <p>3/02 . from particles [4]</p> <p>3/04 . from fibres [4]</p> <p>3/06 . Making particle boards or fibreboards, with preformed covering layers, the particles or fibres being compressed with the layers to a board in one single pressing operation [4]</p> <p>3/08 . Moulding or pressing (presses in general B30B) [4]</p> <p>3/10 . . Moulding of mats [4]</p> <p>3/12 . . . from fibres [4]</p> <p>3/14 . . . Distributing or orienting the particles or fibres [4]</p> <p>3/16 . . Transporting the material from mat moulding stations to presses (B27N 3/22 takes precedence); Apparatus specially adapted for transporting the material or component parts therefor, e.g. cauls (transport devices in general B65G) [4]</p>	<p>3/18 . . Auxiliary operations, e.g. preheating, humidifying, cutting-off [4]</p> <p>3/20 . . characterised by using platen-presses [4]</p> <p>3/22 . . . Charging or discharging [4]</p> <p>3/24 . . characterised by using continuously acting presses having endless belts or chains moved within the compression zone [4]</p> <p>3/26 . . characterised by using continuously acting presses having a heated press drum and an endless belt to compress the material between belt and drum [4]</p> <p>3/28 . . characterised by using extrusion presses [4]</p> <p><b>5/00 Manufacture of non-flat articles [4]</b></p> <p>5/02 . Hollow articles [4]</p> <p><b>7/00 After-treatment, e.g. reducing swelling or shrinkage, surfacing; Protecting the edges of boards against access of humidity [4]</b></p> <p><b>9/00 Arrangements for fireproofing</b> (fireproofing materials C09K 21/00) [4]</p>
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