

38 Woodworking, mechanical and chemical

- 38a Saws for woodworking**
 - 38b Wood planing, boring, milling and turning; universal machines**
 - 38c Veneering, manufacture of plywood and wood chip products, smoothing of wood by abrading and polishing, production of rough wood mouldings and mitred work, frame clamping devices**
 - 38d Production of dovetails, tenons, chests, trunks and boxes; mortising and nailing machines**
 - 38e Tools, auxiliary machines and safety devices**
 - 38f Wood bending, coopering and wheel making**
 - 38g Mechanical working of cane, cork, etc.**
 - 38h Processes, methods and devices for drying and impregnating, e.g. leaching, preserving, fireproofing, dyeing and staining, of wood, cane, cork and similar materials**
 - 38i Bark removing; production of veneers, wood shavings, wood splints and wood wool**
 - 38k Processes and machines for working wood for special purposes and for special articles**
 - 38l Manufacture of artificial materials, so-called artificial wood, from wood fibres or wood waste, if the wood component preponderates**
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38a Saws for woodworking (saws combined with other woodworking machines 38b-7; safety devices 38e; hack saws 49c; for slaughterhouses 66a; stone saws 80d; devices for felling trees by means of saws, etc. 45f-19, 45f-3/08)

- 38a-1 Vertical frame saws
- 38a-2 Horizontal frame saws
- 38a-3/01 Fitting and adjusting of saws in saw frames
- 38a-3/02 Gages
- 38a-4 Band saws
- 38a-5 Circular saws
- 38a-6/01 Crosscut saws, reciprocating
- 38a-6/02 Chain sawing machines
- 38a-7 Bow or nibbling saws and fret saws
- 38a-8 Feed devices for sawing machines
- 38a-9/01 Log holders and carriages for saws
- 38a-9/02 Setting of lumber in relation to saws
- 38a-10 Hand saws
- 38a-11 Design of saws and tooth shape for saws, e.g. inserted teeth, chain saws

38b Wood planing, boring, milling and turning; universal machines (38e; metalworking 49a, 49b, 49c)

- 38b-1 Planing machines (34c-5)
- 38b-2 Rounding machines

- 38b-3 Moulding and rabbet planing machines
- 38b-4 Boring machines
- 38b-5 Milling machines
- 38b-6 Lathes (thread cutting in wood 49e)
- 38b-7 Universal machines
- 38b-8 Feed mechanisms for planing, boring and milling machines

38c Veneering and plywood manufacture, smoothing of wood by abrading and polishing (polishes 22h; ornamentation 75), production of rough wood mouldings and mitred work, frame clamping devices (improvement work on mouldings, gilding, varnishing 75)

- 38c-1/01 Veneering and joining wood veneers with each other and with other materials, notching
- 38c-1/02 Application of glue to wood (54d-6; glue 22i-2)
- 38c-1/03 Glue presses (58)
- 38c-1/04 Plywood manufacture
- 38c-1/05 Devices for jointing and joining veneers
- 38c-2/01 Smoothing of wood by abrading and polishing (polishing processes for wood 75c-5; pore filling materials 22g-6/03; polishing of pencils 70a)
- 38c-2/02 Abrading machines with grinding disks
- 38c-2/03 Abrading machines with reciprocating tool
- 38c-2/04 Abrading machines with grinding cylinder
- 38c-2/05 Band abrading machines
- 38c-2/06 Abrading and polishing tools
- 38c-2/10 Polishing tools
- 38c-3 Manufacture of rough wood mouldings (wood carving 75a-3)
- 38c-4 Mitre sawing devices
- 38c-5 Mitre planing, cutting, punching and milling devices
- 38c-6 Clamps for wood frames, e.g. picture frames (38e, 8)
- 38c-10 Manufacture of boards and formed articles from wood chips (artificial wood from wood fibres and binder, mechanical part 39a7-3/04; chemical part 39b-26/02; manufacture of articles from cellulose fibre suspensions 54e)

38d Production of dovetails, tenons, chests, trunks and boxes; mortising and nailing machines

- 38d-1 Producing dovetails and tenons, also tools
- 38d-2 Production of chests and trunks
- 38d-3 Production of boxes
- 38d-4 Mortising machines
- 38d-5 Nailing machines

38e Tools, auxiliary machines and safety devices

- 38e-1 Cutter heads
- 38e-2 Drills
- 38e-3 Planes and scraper blades
- 38e-4 Mortise chisels
- 38e-5 Miscellaneous tools
- 38e-6 Setting door and window fittings
- 38e-7 Carpenters' workbenches
- 38e-8 Clamping devices (38c-1; 38c-6; 87a-4)
- 38e-9 Glue pots and heating stoves
- 38e-10 Saw guards
- 38e-11 Planing and milling machine guards

38e-12 Removal, of wood shavings by suction in connection with woodworking machines (81e-60 – 81e-77)

38f Wood bending, coopering and wheel making

38f-1 Bending wood
38f-2/01 Manufacture of barrel staves
38f-2/02 Joining and working barrel staves
38f-3/01 Manufacture of stave barrels and casks
38f-3/02 Manufacture of veneer barrels, vats and casks
38f-3/03 Manufacture of barrel heads and casings
38f-3/04 Processing of barrels, cleaning, crozing
38f-4 Forming barrel casings from staves
38f-5 Driving on barrel hoops
38f-6 Manufacture of bungs and bungholes
38f-7 Manufacture of wooden wheels (63d-5)
38f-10 Methods and devices for clamping and gluing plywood and laminated layers, etc. into shapes, such as hollow bodies, vessels, etc. over a supporting framework or a removable pattern, if necessary under pressure and heat (compare 62; 65a; 63a and 63c; 81c-5)

38g Mechanical working of cane, cork, etc.

38g-1/01 Working of cane
38g-1/50 Bark removal from osier
38g-2 Working of cork, etc. (38h-6/01, 38h-6/02; 39a-19/50)

38h Processes, methods and devices for drying and impregnating, e.g. leaching, preserving, fireproofing, dyeing and staining, of wood, cane, cork and similar materials (vermin control agents, in general 45I-3/01, 45I-9/00 – 45I-13/00; wood paints 22g-6/01; lacquering processes for wood 75c-5/02)

38h-1/01 Steaming and leaching of wood (12r-3/01)
38h-1/02 Drying of wood, etc., when combined with leaching or impregnating of the material (in general 82a)
38h-2/01 Impregnation or preservation of wood in general
38h-2/02 Fireproofing of wood
38h-2/03 Waterproofing of wood
38h-3 Destruction of injurious growths, especially dry-rot or fungus
38h-4 Devices for impregnating wood
38h-5/01 Dyeing of wood
38h-5/02 Staining of wood
38h-6/01 Processing of cork scrap (39a-19/50)
38h-6/02 Processing of cane, straw, cork and similar materials
38h-6/03 Peeling and bark removing processes by chemical means (by mechanical means 38i-1, 38g-1/50)

38i Bark removing; production of veneers, wood shavings, wood splints and wood wool

38i-1 Mechanical bark removal, also for paper manufacture (chemical 38h-6/03; 55a; bark removing from osier 38g-1/50)
38i-2 Veneer cutting
38i-3 Production of wood splinters, toothpicks, etc. (78a-1)
38i-4 Production of wood wool, wood shavings, sawdust

- 38k** **Processes and machines for working wood for special purposes and for special articles**
- 38k-1 Manufacture of wood shingles
- 38k-2/01 Processes and machines for the manufacture of wooden floor or other plates by laying boards side by side and jointing, also tongue and groove machines in connection with equipment for jointing the tongued and grooved boards into panels
- 38k-2/02 Manufacture of doweled plates
- 38k-3/01 Manufacture of wooden pins, firewood (domestic utensils for this 43d)
- 38k-3/02 Wood punching
- 38k-4 Miscellaneous woodworking methods
- 38k-5 Devices and machines for special woodworking purposes, e.g. manufacture of parcel handles, knife handles, spools, cloth pins, railroad ties (on the line 19a), working of umbrella shafts, mass production of wooden heels and shoe lasts (on copying machines or devices 75a)
- 38l** **Manufacture of artificial materials, so-called artificial wood, from wood fibres or wood waste, if the wood component preponderates**
(boards for building purposes 37b-3/02; fibre board production from paper pulp, including hard fibre boards, mechanical part 54e-1; chemical part 39b, 55c; building materials containing inorganic binders and asphalt 80b; materials containing organic binders 39a, 39b)
- 38l (No subdivision)