



Empire State Forest Products Association

The people behind New York's healthy forests and quality wood products

www.esfpa.org

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Products Made or Derived from Wood

Solid Wood Products

- Activated charcoal
- Animal bedding
- Award plaques
- Backyard weathervanes
- Baker's peels
- Ballot boxes
- Barns
- Bar tops
- Barrels
- Baseball bats
- Baskets
- Beehives
- Beer clarifier
- Billboards
- Billiard cue sticks
- Biltmore sticks
- Birdhouses
- "Biscuits" for wood joining
- Bookcases
- Boomerangs
- Bowling alley lanes
- Bowling pins
- Broom handles
- Brush handles
- Bushel baskets
- Butcher blocks
- Buttons
- Cable reels
- Canes
- Canoe paddles and oars
- Caskets
- Cedar chests
- Cedar closet lining
- Charcoal
- Checker sets
- Children's puzzles
- Chopsticks
- Christmas trees
- Church pews and altars
- Cider presses
- Clipboards
- Closet rods
- Coat racks
- Coffins
- Concrete forms
- Cooling towers
- Corn cribs
- Clothespins
- Crates
- Cribs
- Croquet sets
- Crucifixes
- Crutches
- Curtain rods
- Cutting boards
- Decks
- Derby cars
- Dice
- Display cases
- Docks
- Dog houses
- Dollhouses
- Doors
- Dowels
- Drafting tables
- Duck decoys
- Easels
- Excelsior
- Fencing, fence posts and rails
- Ferryboats
- Finger-jointed lumber
- Fireplace mantels
- Firewood
- Fishing boats
- Flagpoles (for smaller flags)
- Flooring
- Foundry patterns
- Frying pan and pot handles

- Fuel for meat smokers
- Furniture
 - Beds
 - Bookcases
 - Bureaus
 - Coffee tables
 - Desks
 - Dining room tables and chairs
 - End tables
 - Kitchen cabinets
 - Kitchen counters
 - Medicine cabinets
 - Nightstands
 - Picture frames
 - Rocking chairs
 - Stair rails
 - Stools
 - Upholstered furniture frames
- Game pieces
- Garage doors
- Garden stakes and poles
- Gavels
- Gazebos
- Gerbil chew sticks (balsa wood)
- Glu-lam beams (used to create long open spaces, as in churches)
- Golf tees
- Grandfather clocks
- Gun racks and cabinets
- Gunstocks
- Handrails
- Hardboard
- Highway guard rails
- Hockey sticks
- Home greenhouses
- Hot tubs and spas
- House siding
- Humidors
- Hurdles
- I-joists
- iPhone cases
- Jewelry boxes
- Kitchen utensils
- Kite struts
- Ladders
- Landscape timbers
- Lath
- Light switch covers
- Lobster pots and floats
- Log houses
- Log scale sticks
- Logs provide nutrients for shiitake mushrooms
- Lumber and plywood
- LVL (laminated veneer lumber)
- Machine stress-rated lumber
- Mallets
- Marking/mortise gauge
- Match sticks
- Medium density fiberboard (MDF) (used in kitchen cabinets and furniture panels, for example)
- Merry-go-Round horses
- Model airplanes
- Moldings and baseboards
- Mousetraps
- Musical instruments:
 - Amplifier cabinets
 - Bagpipes
 - Banjos
 - Bassoons
 - Cellos
 - Clarinets
 - Drums
 - Drumsticks
 - Flutes/Fifes
 - Guitars
 - Hammer dulcimers
 - Harmonicas
 - Mandolins
 - Metronomes
 - Mountain dulcimers
 - Oboes
 - Organs and organ pedals/pipes
 - Pianos/ piano keys (wooden)
 - Speaker cabinets
 - String bass
 - Tambourines
 - Ukuleles
 - Violin bows
 - Violins, violas
 - Wood blocks
 - Wooden spoons
 - Xylophones
- Name tags
- Nutcrackers
- Pallets
- Paneling
- Parallel bars
- Parallel strand lumber
- Park benches
- Particleboard

- Parts of snowboards, skis and skateboards
- Pegboard
- Pencils
- Picnic tables
- Pilings for building construction
- Ping Pong paddles
- Pipes
- Planters
- Police batons
- Pool tables
- Popsicle sticks
- Porch swings
- Produce crates and boxes
- Propeller shaft bearings for ships
- Pulpits and podiums
- Putty-type of wood filler
- Railroad crossing gates
- Railroad ties
- Rocking horses
- Rolling pins
- Rowboats
- Rulers
- Rural bridges
- Salad bowls and serving ware
- Sandboxes and backyard play sets
- Saunas
- Scaffold planks
- Sculptures and carvings
- Scythes
- Seesaws
- Shingles
- Ship masts and yardarms
- Shoe soles and heels
- Shutters
- Silverware chests
- Sleds
- Snow fences
- Snowshoes
- Spices and flavorings from woody plants:
 - Allspice
 - Annatto
 - Bay leaves
 - Cinnamon
 - Chips for smoking meat
 - Cloves
 - Filé (Sassafras leaves, used to thicken gumbos)
 - Juniper berries (gin flavoring)
 - Mace
 - Nutmeg
 - Orange blossoms (flavored water)
 - Sassafras oil is used as a soap perfume
- Spinning wheels
- Stadium seating
- Stage flooring
- Stairs
- Stake-body truck sides
- Stirrups
- Surveyor stakes
- Tall ships
- Telephone poles
- Tent poles
- Test tube racks
- Theatre scenery
- Tobacco sticks
- Toboggans
- Toilet plungers
- Toilet seats
- Tongue depressors
- Toolboxes
- Tool handles
- Toothpicks
- Totem poles
- Toys such as wooden blocks
- Trellises
- Truck and trailer flooring
- Veneer
- Venetian blinds
- Ventriloquist dummies
- Vineyard stakes
- Wheelbarrow handles
- Wine racks
- Windmills
- Window frames and sills
- Woodcut artwork
- Wooden matches
- Wooden nickels
- Wooden steering wheels
- Wooden tools
- Woodworking clamps
- Work benches
- Yardsticks
- Yo-yos

Paper and Fluff Products

- Absorbent liners for supermarket meat trays
- Absorbent socks for oil spills
- Adhesive-backed labels
- Admixture with sprayed-on grass seed

- Artificial snow (paper snow)
- Baking cups
- Baseball cards
- Bible paper
- Bills
- Birthday and Christmas wrapping paper
- Book covers
- Bookmarks
- Books and book paper
- Bottle and jar labels
- Building insulation, loose and in panel form
- Bulk mail
- Business cards
- Butcher paper
- Calendars
- Can labels
- Catalogs
- Cat litter (from recycled paper, non-clay types)
- CD labels
- Ceiling tiles
- Cereal boxes
- Checkbooks
- Cigarette papers and vacuum cleaner bags are made from hemp or flax fiber!
- Classroom handouts and tests
- Coffee filters
- Coloring books
- Computer and copy paper
- Confetti
- Construction paper
- Cookbooks
- Corrugated cartons
- Coupons
- Crepe paper
- Diplomas and Certificates
- Disposable tablecloths
- Disposable diapers
- DVD and VCR tape packaging
- Egg cartons
- Envelopes
- Election ballots
- Facial and bath tissue
- Fast food packaging
- Fiber filler for plastics:
 - Automobile parts (e.g., door panels)
 - Ball point pens
 - Buttons
 - Electronics cases (televisions, calculators, computers)
 - Eyeglass frames
- Football helmets
- Loudspeakers
- Packaging
- Thermoformed products like gun cases
Marine/Trailer flooring
- Tool handles
- Trays
- Wood-plastic composite lumber:
 - Decking
 - Fencing
 - Garden benches
 - Picnic tables
 - Planters
- File folders
- Flashlight battery labels
- Food additive (non-digestible cellulose dietary fiber). Used in diet drink products, food texture enhancer. (In the late 1970s, a “diet bread” listed cellulose fiber from wood as one of its ingredients.)
- Frozen food boxes
- Game boards
- Grocery bags
- Ice cream containers
- Identification badges
- Instruction manuals
- Kites
- Kraft paper (wrapping paper)
- Lamp shades
- Loudspeaker cones
- Magazine card inserts
- Magazines
- Maps
- Marriage licenses, birth and death certificates and other civil documents
- Masking tape
- Melamine paper-faced board
- Menus
- Milk cartons
- Movie tickets
- Moving boxes
- Multi-wall sacks for birdseed and pet foods
- Musical instrument cases (“cardboard” type, as for guitars)
- Napkins Sanitary and surgical absorbent products
- NCR (no carbon required) paper
- Newsletters
- Newspapers
- Origami paper

- Packaging cards for blister-packed products
- Packaging for facial and bath tissue (the boxes and wrappers)
- Paper cups
- Paper dolls
- Paper plates
- Paper towels
- Parking stops for parking lots
- Phone books
- Photographs
- Pizza boxes
- Playing cards
- Postage stamps
- Postcards
- Poster board
- Posters
- Post-It Notes®
- Price tags
- Programs for sporting events
- Racing forms
- Receipts
- Recipe cards
- Report cards
- Retail software boxes
- Roofing felt
- Salt boxes
- Sandpaper
- Seed starter blocks
- Shelf labels in grocery stores
- Shipping boxes
- Signs
- Spare tire covers
- Stationery and notebook paper
- Stickers
- Sugar and flour bags
- Tax forms
- Tea bag tags and wrappers
- Tickets
- Toll booth tickets
- Tracing paper
- Wallpaper Tubes for bathroom tissue, paper towels, wrapping paper
- Wax paper
- Applied to produce to make it look appealing in supermarkets
- Automotive waxes
- Furniture polish
- Lipsticks
- Shoe polish
- Carob (a cocoa substitute)
- Cider
- Cork products
 - Baseballs (centers)
 - Bathmats (made of granulated cork)
 - Coasters
 - Corkboards
 - Cork shoe soles
 - Corks for pop guns
 - Cork washers
 - Cricket balls
 - Dartboards
 - Expansion joint filler
 - Facings for some ping pong paddles
 - Fishing buoys and floats
 - Flooring
 - Foosball (table football) balls
 - Hockey balls
 - Hot pads
 - Insulation corkboard
 - Laboratory rings for glassware
 - Musical instrument parts (e.g., stoppers for organ pipes)
 - “Peas” for whistles
 - Roofing
 - Sanding blocks
 - Wall and ceiling tiles
- Corks (the primary use for cork: ~17 billion sold each year, compared to 400 million for plastic stoppers (2001 statistics))
- Eucalyptus leaves (floral component, also used for fragrance)
- Fruits
 - Apples
 - Avocados
 - Bananas
 - Coconuts
 - Coffee
 - Dates
 - Figs
 - Grapefruit
 - Lemons
 - Limes
 - Olives and olive oil
 - Oranges

Non-Wood/Non-Paper Products Made from Trees

- Carnauba wax (from the leaves of the carnauba palm tree grown in Brazil). Used in:

- Peaches
- Pears
- Plums
- Tangerines
- Fruit juices
- Mistletoe (grows as a symbiont on trees)
- Nuts
 - Acorns (decorative uses)
 - Almonds
 - Brazil nuts
 - Cashews
 - Chestnuts
 - Cola nuts (Coca-Cola etc.)
 - Hazelnuts
 - Hickory nuts
 - Pecans
 - Pine nuts
 - Pistachios
 - Walnuts
- Products from Wood Sap or Extractives:
 - Citrus cleaners (oils)
 - Frankincense
 - Gum Arabic
 - Lime scent for aftershave
 - Maple syrup
 - Myrrh
 - Rosewood oil (various medicinal uses)
 - Rosin Pine needle extract (an anti-inflammatory)
 - Rubber
 - Rubber products
 - Adhesives
 - Combs (hard rubber)
 - Gaskets
 - Golf balls
 - Latex gloves and other barrier-type medical products
 - Marine and underwater cable insulation
 - Rubber balls
 - Rubber belts
 - Rubber boots
 - Rubber hoses
 - Shoe soles
 - Tires
 - Sandalwood fragrance for soap and incense
 - Taxol (anti-cancer drug)
 - Tea tree oil (antibiotic and antifungal oil)

- Turpentine (most of it comes from wood pulping operations)

- Shade

Products Made from Wood Derived Chemicals

(Processed products, not oils or latex, etc. Some cellulose products may derive from other cellulose sources such as cotton linters, depending on economics and manufacturer.)

- Acetic acid (produced by distillation of wood)
- Additive to unfired ceramics to give them strength
- Artificial vanilla flavoring (by-product of Kraft process for pulping wood)
- Biofuels from wood distillation
- Carnauba wax is commonly used as a pill coating.
- Cellophane (wrapping material, also used for Easter basket grass!)
- Celluloid (rarely produced nowadays, except for guitar picks and pick guards, fountain pens, accordion cases, and ping-pong balls. Formerly used for costume jewelry, clocks, etc.)
- Cellulose acetate and cellulose nitrate are both used in adhesives and lacquers.
- Cellulose acetate (wrapping and photographic film)
- Cellulose-based pill fillers
- Cellulose industrial filters
- Cellulose nitrate (former composition of movie film, except that it was very flammable and unstable with age)
- Cellulose sponges
- Chewing gum is a combination of natural rubber (especially chicle, from the Sapodilla trees from Central and South America) with some synthetic latexes to extend the natural latex supply. Other wood chemicals such as rosin esters and terpenes are also common ingredients.
- Cigarette filters (cellulose acetate fibers)
- Cleaning compounds
- CMC (carboxymethyl cellulose) is used to stabilize oil well drilling muds and as a thickener and texturizer for products such as:
 - Ice cream
 - Ketchup
 - Mayonnaise
 - Shampoo
 - Shredded cheese
 - Toothpaste

- Cosmetics – including thickeners such as methyl cellulose and methyl hydroxy ethyl cellulose
- Fungicides
- Hair spray
- Hardhats and sports helmets
- Ink (incorporate tall oil rosins from hard pines)
- Linoleum (oxidized linseed oil mixed with pine resin and wood flour)
- Liquid nail polish
- Liquid Smoke®
- Methanol (used in colognes, solvents)
- “Plastic” twine
- Rosin-based adhesive products
- Sausage casings
- Shaving cream (tea tree oil, camphor, etc., varies by manufacturer)
- Suntan lotion (e.g., almond oil (emollient); clove bud oil (scent); cocoa butter (emollient))
- Tall oil fatty acids and derivatives are used as:
 - Asphalt additives
 - Concrete additives
 - Corrosion inhibitors
 - Detergents
 - Emulsifiers
 - Epoxy additives
 - Metalworking chemicals
 - Oil field chemicals
 - Plasticizers
 - Polyamides
 - PVC stabilizers
 - Rubber processing additives
 - Soaps
 - Synthetic lubricants
- Tannin (used in natural tanning process, less common than formerly)
- Textiles (Rayon, Tencel™)
- Torula yeast (a food supplement) is grown on wood sugars and wood mineral nutrients leftover from pulping operations. This is used in baby foods, imitation bacon, cereals, baked goods, etc.
- Automobile tires (used rayon as reinforcing cord)
- Bicycles
- Bocce balls
- Bows and arrows
- Bumper stickers (now made of vinyl except for the peel-off paper on the backside)
- Butter churns
- Butter molds
- Cabinets for Analytical balances
- Canada balsam (tree resin) was used to make microscope slides
- Candlesticks
- Candy bar wrappers
- Canoes (birch bark canoes had a wooden frame, also wood-canvas canoes)
- Carbon paper
- Car dashboards
- Cigar boxes
- Cigar molds
- Cigar store Indians
- Clocks and clock gears
- Commemorative medallions
- Computer cards (now entirely electronic)
- Conestoga wagons
- Cork used to be the gasket material lining bottle caps
- Cradles
- Cylinder phonograph records used to be made from Carnauba wax because it is so hard
- Deckle boxes (frames used to make paper by hand)
- Dragon’s blood (from fruit of Asian tree) was used in the manufacture of varnishes and lacquers
- Drinking straws (some are still made from paper)
- Dyestuffs (prior to invention of synthetic dyes)
- Fermentation vats
- Fishing lures
- Fun house barrels
- Gallows
- Gear shift knobs
- Golf clubs
- Grocery bags (some are still made from paper)
- Gutters
- Harpsichords
- Hickory was a part of the Wright brothers’ airplanes
- Iceboxes and refrigerators

Products that Used to be Made from Wood

and Paper (Some of these may still be made from wood for specialty products.)

- Abacus
- Aircraft propellers and airframes
- Artificial limbs
- Artist’s pallets
- Automobile chassis

- Insulator pins
- Ironing boards
- Library catalog cards (supplanted by computer files)
- Maple syrup buckets
- Milking stools
- Minesweeper boats, PT boats
- Model "T" coil boxes
- Molded wooden figurines
- Oil cans
- Paper presses (to squeeze the water out of handmade paper)
- Phonographs
- Piano keys were once made from celluloid as an ivory substitute.
- Plates and bowls
- Post and beam timber framing
- Printing presses
- Printing press type
- Pulleys
- Pull toys
- Quinine came from the bark of the Cinchona tree
- Racing shells (one to eight-man rowed boats)
- Radio, television, and phonograph/stereo cabinets
- Railroad cars
- Red elm inner bark used to be steeped in water to obtain a remedy for sore throats
- Rocking horses
- Rubber used to be used to waterproof raincoats
- Sassafras tea
- Sextants
- Shoe lasts
- Shoe pegs (used to fasten shoe soles to the leather uppers)
- Shotgun cartridges
- Silos
- Skis
- Sled runners
- Slide rules
- Spruce gum was used for chewing gum
- Storage battery separators (hard rubber)
- Street paving blocks
- Telephones
- Tennis rackets
- Tool handles were made from celluloid as recently as World War II.
- Traveler's writing desks
- Treenails
- Typewriter keys (Celluloid)
- Wardrobes/armoires
- Wardrobe trunks
- Warships
- Washboards
- Water pipes
- Water pump enclosures
- Water tanks
- Water well structures
- Waterwheels
- Weaving shuttles and bobbins
- Wheelchairs
- Willow bark provided the original source of aspirin-like compounds
- Wood creosote used to be used as a laxative, a disinfectant, and a cough treatment (rarely used nowadays).
- Wooden shoes
- Wooden wheels for automobiles and wagons
- Woodworking planes
- Woodworking tools
 - Carpenter levels
 - Carpenter rules
 - Planes
 - Tool chests
- Wringers for washing machines

Sources:

- University of Kentucky
- Department of Environmental Conservation
- Wood Products Development Council
- Empire State Forest Products Association