Department of Forestry Fact Sheet FORFS 15-02

Products Made From Wood

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Original list created from a number of other lists, with additions
Corrections and Additions will be welcomed!

Solid Wood Products

Lumber and plywood to build new homes
Stair rails
Doors
End tables
Window frames and sills
Coffee tables
Flooring
Beds
Handrails
Bookcases
Stairs
Desks
I-joists
Kitchen cabinets
Parallel strand lumber
Picture frames
Finger-jointed lumber
Nightstands
Machine stress-rated lumber
Bureaus
LVL (laminated veneer lumber)
Fireplace mantels
Parallel strand lumber
Sculptures and carvings

Finger-jointed lumber
Machine stress-rated lumber

Landscape timbers
Highway guard rails
Snowshoes
Toothpicks
Match sticks
Chopsticks
Shutters
Baseball bats
Canoe paddles and oars

Furniture
Dining room tables and chairs
Upholstered furniture frames
Rocking chairs
Stools
Musical instruments:
  - Guitars
  - Pianos
  - Organs and organ pedals
  - Hammer dulcimers
  - Mountain dulcimers
  - Oboes
  - Bagpipes
  - Ukuleles
  - Banjos
  - Clarinets
  - Flutes/Fifes
  - Mandolins
  - String bass
  - Violins, violas
  - Violin bows
  - Cellos
  - Bassoons
  - Drums
  - Drum Sticks
  - Tambourines
  - Wood blocks
  - Wooden spoons
  - Speaker cabinets
  - Amplifier cabinets
  - Metronomes
  - Xylophones
  - Harmonicas
  - Stage flooring
  - Backyard weathervanes
  - Caskets
  - Sandboxes and Backyard play sets
  - Charcoal
  - Tool handles
  - Wooden tools
    - Biltmore sticks
    - Log scale sticks
    - Toolboxes
    - Mallets
    - Marking/mortise gauge

Toilet plungers
  - Medicine cabinets
  - Parallel bars
  - Vineyard stakes
  - Toys such as wooden blocks
  - Rulers
  - Birdhouses
  - Fencing, fence posts and rails
  - Firewood
  - Fishing boats
  - Tall ships
  - Rowboats
  - Ladders
  - Hockey sticks
  - Dog houses
  - Pallets
  - Particleboard
  - Medium density fiberboard (MDF)
    - (used in kitchen cabinets and furniture panels, for example)
  - Hardboard
  - Garage doors
  - Gazebos
  - Hot tubs and spas
  - Lath
  - Trellises
  - Kitchen utensils
  - Pencils
  - Ping Pong paddles
  - Golf tees
  - Animal bedding
  - Railroad ties
  - Seesaws
  - Model airplanes
  - Coffins
  - Brush handles
  - Cable reels
  - Canes
  - Cedar chests
  - Cedar closet lining
Activated charcoal  
Church pews and altars  
Closet rods  
Barrels  
Crutches  
Docks  
Decks  
Kitchen cabinets  
Ferryboats  
Gazebos  
Grandfather clocks  
Truck and trailer flooring  
Mouldings and baseboards  
Paneling  
Picnic tables  
Pilings for building construction  
Popsicle sticks  
Porch swings  
Produce crates and boxes  
Propeller shaft bearings for ships  
Rocking horses  
Shingles  
House siding  
Putty-type of wood filler  
Tongue depressors  
Totem poles  
Sleds  
Salad bowls and serving ware  
Telephone poles  
Wheelbarrow handles  
Wooden nickels  
Pegboard  
Ship masts and yardarms  
Toilet seats  
Piano keys (wooden)  
Pinewood Derby cars  
Clothespins  
Pool tables  
Fireplace mantles  
Display cases  

Duck decoys  
Beer clarifier  
Humidors  
Shoe soles and heels  
Easels  
Kite struts  
Christmas trees  
Windmills  
Scythes  
Corn cribs  
Baker’s peels  
Barns  
Home greenhouses  
Frying pan and pot handles  
Cider presses  
Light switch covers  
Award plaques  
Dollhouses  
Wooden steering wheels  
Bar tops  
Clipboards  
Cooling towers  
Curtain rods  
Boomerangs  
Gavels  
Pulpits and podiums  
Buttons  
Stadium seating  
Cutting boards  
Broom handles  
Stirrups  
Saunas  
Surveyor stakes  
Yardsticks  
Game pieces  
Croquet sets  
Mousetraps  
Pipes  
Rolling pins  
Knife handles
Children's puzzles
Work benches
Toboggans
Bookcases
Park benches
Gun racks and cabinets
Billboards
Snow fences
Trellises
Tobacco sticks
Garden stakes and poles
Parallel bars
Log houses
Bowling alley lanes
Bowling pins
Railroad crossing gates
Rural bridges
Tent poles
Hurdles
Lobster pots and floats
Wooden matches
Parts of snowboards, skis and skateboards
Ventriloquist dummies
Name tags
Flagpoles (for smaller flags)
Cribs
Police batons
Planters
Dowels
Scaffold planks
Concrete forms
Glu-lam beams (used to create long open spaces, as in churches)
Excelsior
Veneer
Bushel baskets
Pants hangers
Kitchen counters
Woodcut artwork
Merry-go-Round horses
Birdhouses
Snowshoes
Woodworking clamps
Spinning wheels
Baskets
Novelties such as Nutcrackers
Checker sets
Jewelry boxes
Foundry patterns
Crates
Garage doors
Theatre scenery
Gunstocks
Beehives
Butcher blocks
Organ pipes
Crucifixes
Drafting tables
Ballot boxes
Yo-yos
Dice
Silverware chests
Venetian blinds
Billiard cue sticks
Fuel for meat smokers
Spices and flavorings from woody plants:
Allspice
Annatto
Bay leaves
Cinnamon
Cloves
Filé (Sassafras leaves, used to thicken gumbos)
Juniper berries (gin flavoring)
Mace
Nutmeg
Orange blossoms (flavored water)
Chips for smoking meat
Sassafras oil is used as a soap perfume
Logs provide nutrients for shiitake mushrooms
Cutting boards
Model airplanes
“Biscuits” for wood joining

**Products that Used to be Made From Wood**
*(Some of these may still be made from wood for specialty products.)*

- Water pipes
- Bocce balls
- Commemorative medallions
- Tennis rackets
- Car dashboards
- Golf clubs
- Conestoga wagons
- Clocks and clock gears
- Waterwheels
- Printing press type
- Printing presses
- Deckle boxes (frames used to make paper by hand)
- Paper presses (to squeeze the water out of handmade paper)
- Woodworking planes
- Cigar store Indians
- Weaving shuttles and bobbins
- Wooden shoes
- Bows and arrows
- Cradles
- Wooden wheels for automobiles and wagons
- Pull toys
- Sextants
- Doll houses
- Test tube racks
- Wine racks
- Handrails
- Stake-body truck sides
- Gerbil chew sticks (balsa wood)

- Street paving blocks
- Rocking horses
- Fun house barrels
- Fishing lures
- Storage battery separators (hard rubber)
- Water tanks
- Wardrobes/armoires
- Model “T” coil boxes
- Automobile chassis
- Ironing boards
- Treenails
- Post and beam timber framing
- Cabinets for Analytical balances
- Shoe lasts
- Radio, television and phonograph/stereo cabinets
- Butter churns
- Harpsichords
- Railroad cars
- Aircraft propellers and airframes
- Minesweeper boats, PT boats
- Silos
- Fermentation vats
- Cigar boxes
Racing shells (one to eight-man rowed boats)
Wringers for washing machines
Telephones
Wood creosote used to be used as a laxative, a disinfectant and a cough treatment (rarely used nowadays).
Woodworking tools
   Planes
   Carpenter levels
   Carpenter rules
Gear shift knobs
Butter molds
Slide rules
Phonographs
Bicycles
Traveler’s writing desks
Cigar molds
Artist’s pallets
Washboards
Skis
Water well structures
Water pump enclosures
Wheel chairs
Candlesticks
Warships
Wardrobe trunks
Maple syrup buckets
Abacus
Pulleys
Gallows
Milking stools
Insulator pins
Plates and bowls
Artificial limbs
Sled runners
Iceboxes and refrigerators
Gutters

Spruce gum was used for chewing gum
Sassafras tea
Canoes (birch bark canoes had a wooden frame, also wood-canvas canoes)
Automobile tires (used rayon as reinforcing cord)
Shoe pegs (used to fasten shoe soles to the leather uppers)
Dragon’s blood (from fruit of Asian tree) was used in the manufacture of varnishes and lacquers
Dyestuffs (prior to invention of synthetic dyes)
Canada balsam (tree resin) was used to make microscope slides
Quinine came from the bark of the Cinchona tree
Willow bark provided the original source of aspirin-like compounds
Cork used to be the gasket material lining bottle caps
Rubber used to be used to waterproof raincoats
Molded wooden figurines
Typewriter keys (Celluloid)
Red elm inner bark used to be steeped in water to obtain a remedy for sore throats
Hickory was a part of the Wright brothers’ airplanes
Cylinder phonograph records used to be made from Carnauba wax because it is so hard
Tool handles were made from celluloid as recently as World War II. Piano keys were once made from celluloid as an ivory substitute.

**Things Made from Wood that Formerly Were Made from Something Else**

Paper (used to be made from cotton and linen rags)

**Non-Wood/Non-Paper Products**

Shade!

Nuts
- Cola nuts (Coca-Cola etc.)
- Almonds
- Brazil nuts
- Cashews
- Hazelnuts
- Pistachios
- Walnuts
- Pecans
- Hickory nuts
- Chestnuts
- Pine nuts
- Acorns (decorative uses)

Fruits
- Apples
- Avocados
- Coffee
- Peaches
- Oranges
- Lemons
- Limes
- Bananas
- Pears
- Tangerines
- Coconuts
- Dates
- Grapefruit
- Olives and olive oil
- Plums
- Figs
- Fruit juices
- Carob (a cocoa substitute)
- Cider
- Mistletoe (grows as a symbiant on trees)
- Eucalyptus leaves (floral component, also used for fragrance)
- Carnauba wax (from the leaves of the carnauba palm tree grown in Brazil). Used in:
  - Shoe polish
  - Lipsticks
  - Automotive waxes
  - Furniture polish
  - Applied to produce to make it look appealing in supermarkets.

Products from Wood Sap or Extractives:
- Citrus cleaners (oils)
- Lime scent for aftershave
- Sandalwood fragrance for soap and incense
- Maple syrup
- Rubber
- Rubber products
  - Golf balls
  - Tires
Marine and underwater
cable insulation
Adhesives
Combs (hard rubber)
Latex gloves and other
  barrier-type
  medical products
Rubber belts
Rubber hoses
Gaskets
Shoe soles
Rubber boots
Rubber balls
Turpentine (most of it
  comes from wood
  pulping operations)
Rosin
Pine needle extract (an anti-
  inflammatory)
Rosewood oil (various
  medicinal uses)
Taxol (anti-cancer drug)
Frankincense
Myrrh
Tea tree oil (antibiotic and
  antifungal oil)
Benzoin gum
Gum Arabic
Corks (the primary use for cork:
  ~17 billion sold each year,
  compared to 400 million for
  plastic stoppers (2001
  statistics))
Other cork products
  Coasters
  Flooring
  Dartboards
  Wall and ceiling tiles
  Sanding blocks
  Corkboards
Expansion joint filler
Insulation corkboard
Fishing buoys and floats
Cork washers
Hot pads
Musical instrument parts
  (e.g., stoppers for organ
  pipes)
Laboratory rings for
glassware
Bathmats (made of
  granulated cork)
“Peas” for whistles
Cricket balls
Corks for pop guns
Foosball (table football)
  balls
Hockey balls
Baseballs (centers)
Facings for some ping pong
  paddles
Cork shoe soles
Roofing

Products that Used to be
Made From Cork
(Some of these may still be made
as specialty products.)

Bottle cap gaskets for carbonated
beverages
Life jackets (until 1857 – now
  mostly polystyrene)
Life preservers (polystyrene now)
Fishing rod handles (now mostly
  Hypalon®)
Sheet insulation (e.g., for
  refrigerators)
Rocket nosecones (a cork-ceramic composite)

**Paper and Fluff Products**

Computer and copy paper  
Books and book paper  
Book marks  
Envelopes  
Checkbooks  
Cook books  
Recipe cards  
Bulk mail  
Bills  
Toll booth tickets  
Instruction manuals  
Packaging cards for blister-packed products  
Calendars  
Diplomas and Certificates  
Report cards  
Lamp shades  
Book covers  
Posters  
Identification badges  
Newsletters  
Salt boxes  
Moving boxes  
Shipping boxes  
Sugar and flour bags  
Can labels (except for tomato cans for some unknown reason!)  
Baking cups  
Coupons  
US currency is *not* made from wood pulp – it’s made from cotton and flax fibers  
Coffee filters  
Facial and bath tissue  
*Packaging* for facial and bath tissue (the boxes and wrappers)  
Napkins  
Sanitary and surgical absorbent products  
Disposable diapers  
Kites  
Movie tickets  
Classroom handouts and tests  
Catalogs  
Game boards  
Masking tape  
Crepe paper  
Birthday and Christmas wrapping paper  
Stickers  
Coloring books  
Flashlight battery labels  
Paper dolls  
Baseball cards  
Tracing paper  
Election ballots  
Milk cartons  
Egg cartons  
Postage stamps  
Paper towels  
Playing cards  
Building insulation, loose and in panel form  
Grocery bags  
Cat litter (from recycled paper, non-clay types)
Paper plates
Paper cups
File folders
Post-It Notes® (Made in Kentucky!)
CD labels
DVD and VCR tape packaging
Magazines
Magazine card inserts
Postcards
Maps
Fast food packaging
Frozen food boxes
Construction paper
Kraft paper (wrapping paper)
Multi-wall sacks for birdseed and pet foods
Price tags
Sandpaper
Seed starter blocks
Loudspeaker cones
Origami paper
Tea bags are usually not made from wood pulp – they are mostly made from abaca, also known as Manila hemp
Tea bag tags and wrappers are made of wood-based paper
Cigarette papers and vacuum cleaner bags are made from hemp or flax fiber!
Bible paper
Wallpaper
Tubes for bathroom tissue, paper towels, wrapping paper
Artificial snow (paper snow)
Wax paper
Confetti
Admixture with sprayed-on grass seed
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.)
Butcher paper
Musical instrument cases (“cardboard” type, as for guitars)
Phone books
Photographs
Newspapers
Tickets
Business cards
Roofing felt
Ice cream containers
Pizza boxes
Disposable tablecloths
Retail software boxes
Corrugated cartons
Ceiling tiles
Absorbent socks for oil spills
Absorbent liners for supermarket meat trays
Stationery and notebook paper
NCR (no carbon required) paper
Tax forms
Marriage licenses, birth and death certificates and other civil documents
Racing forms
Programs for sporting events
Fiber filler for plastics:
Tool handles
Football helmets
Buttons
Eyeglass frames
Ball point pens
Electronics cases (televisions, calculators, computers)
Loudspeakers
Automobile parts (e.g., door panels)
Packaging
Trays
Thermoformed products like gun cases
Marine/Trailer flooring
Wood-plastic composite lumber:
  Garden benches
  Picnic tables
  Planters
  Fencing
  Decking
Signs
Parking stops for parking lots
Spare tire covers
Melamine paper-faced board

Bumper stickers (now made out of vinyl except for the peel-off paper on the backside)
Computer punch cards (now also entirely electronic!)

**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.)

Textiles (Rayon, Tencel™)
Cellulose acetate (wrapping and photographic film)
Cellulose nitrate (former composition of movie film, except that it was very flammable and unstable with age)
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.
CMC (carboxymethyl cellulose) is used as a food thickener and texturizer for products such as ketchup and ice cream (depending on manufacturer);

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**Things that Formerly Were Made from Wood-based Paper**

Oil cans
Candy bar wrappers
Grocery bags (some still are made from paper!)
Library catalog cards (supplanted by electronic computer files)
Drinking straws
Shotgun cartridges
Carbon paper (mostly obsolete product)
also used to stabilize oil well drilling muds.

Cellulose-based pill fillers

Cellophane (wrapping material, also used for Easter basket grass!)

Toothpaste additives (e.g., cellulose gum)

“Plastic” twine

Hardhats and sports helmets

Cigarette filters (cellulose acetate fibers)

Cellulose industrial filters

Sausage casings

Cellulose sponges

Artificial vanilla flavoring (by-product of Kraft process for pulping wood)

Cleaning compounds

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.

Additive to unfired ceramics to give them strength

Fungicides

Hair spray

Cosmetics – including thickeners such as methyl cellulose and methyl hydroxy ethyl cellulose

Methanol (used in colognes, solvents)

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.

Tannin (used in natural tanning process, less common than formerly)

Carnauba wax is commonly used as a pill coating.

Liquid Smoke®

Linoleum (oxidized linseed oil mixed with pine resin and wood flour)

Acetic acid (produced by distillation of wood)

Biofuels from wood distillation

Liquid nail polish

Shaving cream (tea tree oil, camphor, etc., varies by manufacturer)

Suntan lotion (e.g., almond oil (emollient); clove bud oil (scent); cocoa butter (emollient))

Ink (incorporate tall oil rosins from hard pines)

Tall oil fatty acids and derivatives are used as:

- PVC stabilizers
- Synthetic lubricants
- Polyamides
- Corrosion inhibitors
- Soaps
- Detergents
- Emulsifiers
- Rubber processing additives
- Asphalt additives
- Concrete additives
- Epoxy additives
Plasticizers
Metalworking chemicals
Oil field chemicals
Rosin-based adhesive products

Also see the list of products from Extractives, above

To grow a pound of wood, a tree uses 1.47 pounds of carbon dioxide and gives off 1.07 pounds of oxygen.

The following information is from the website of the Temperate Forest Foundation {http://www.forestinfo.org/Discover/facts.htm#Recycling}:

- In 1995, some 1.6 billion seedlings were planted in the U.S. - more than 5 new trees a year for every American. Millions of additional trees were naturally reforested.

- Private owners account for 59% of the nation's 490 million acres of commercial forestland; government owns 27%; and the forest industry owns 14%.

- Each person in the United States consumes approximately 675 pounds of paper a year.

- On the average, everyone uses the equivalent of a tree, 18 inches in diameter - 100 foot tall, every year. That's 80 cubic feet!

The United States is a wood-rich country; people in the United States (on average) use about three times as much wood each day as people in the rest of the world. One of the most common uses for wood around the world is for fuel!

And finally, a surprise for (almost) all Kentuckians:

3M Corporation’s popular product, Post-It Notes, are manufactured exclusively in Cynthiana (Harrison County), Kentucky!