

Products Made From Wood

Terry Conners, Extension Specialist in Forest Products

List created July, 2002 from a number of other lists, with additions.

Corrections and Additions will be welcomed! (tconners@uky.edu)

Solid Wood Products

Lumber and plywood to build new homes	Drum Sticks	Brush handles
Doors	Tambourines	Cable reels
Window frames and sills	Wood blocks	Canes
Flooring	Speaker cabinets	Cedar chests
I-joists	Amplifier cabinets	Cedar closet lining
LVL (laminated veneer lumber)	Metronomes	Activated charcoal
Parallel strand lumber	Xylophones	Church pews and altars
Finger-jointed lumber	Harmonicas	Closet rods
Machine stress-rated lumber	Stage flooring	Barrels
Coat racks	Sandboxes and Backyard play sets	Crutches
Furniture	Charcoal	Desks
Dining room tables	Tool handles	Docks
Upholstered furniture frames	Toilet plungers	Decks
Rocking chairs	Medicine cabinets	Kitchen cabinets
End tables	Parallel bars	Ferryboats
Coffee tables	Vineyard stakes	Gazebos
Beds	Toys such as wooden blocks	Grandfather clocks
Bookcases	Rulers	Stair rails
Nightstands	Birdhouses	Truck and trailer flooring
Bureaus	Fencing, fence posts and rails	Mouldings and baseboards
Landscape timbers	Firewood	Paneling
Highway guard rails	Fishing boats	Picnic tables
Snowshoes	Ladders	Pilings for building construction
Toothpicks	Hockey sticks	Popsicle sticks
Match sticks	Dog houses	Porch swings
Chopsticks	Pallets	Produce crates and boxes
Shutters	Particleboard	Propeller shaft bearings for ships
Baseball bats	Medium density fiberboard (MDF) (used	Rocking horses
Canoe paddles and oars	in kitchen cabinets and furniture	Rowboats
Musical instruments:	panels, for example)	Shingles
Guitars	Hardboard	House siding
Pianos	Garage doors	Putty-type of wood filler
Organs and organ pedals	Gazebos	Tongue depressors
Oboes	Hot tubs and spas	Totem poles
Bagpipes	Lath	Sleds
Banjos	Trellises	Salad bowls and serving ware
Clarinets	Kitchen utensils	Telephone poles
Flutes/Fifes	Pencils	Wheelbarrow handles
Mandolins	Ping Pong paddles	Wood carvings
String bass	Golf tees	Wooden nickels
Violins	Animal bedding	Pegboard
Violin bows	Railroad ties	Ship masts and yardarms
Cellos	Seesaws	Toilet seats
Bassoons	Model airplanes	Piano keys (wooden)
Drums	Coffins	Rolling pins

Knife handles
 Children's puzzles
 Work benches
 Toboggans
 Bookcases
 Park benches
 Gun racks and cabinets
 Billboards
 Snow fences
 Trellises
 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 Nutcrack-
 ers
 Checker sets
 Jewelry boxes
 Foundry patterns
 Crates
 Garage doors
 Theatre scenery
 Gunstocks
 Beehives
 Mallets
 Butcher blocks
 Organ pipes
 Crucifixes
 Drafting tables
 Ballot boxes

Doll houses
 Test tube racks
 Wine racks
 Handrails
 Stake-body truck sides
 Gerbil chew sticks (balsa wood)
 Yo-yos
 Dice
 Silverware chests
 Venetian blinds
 Billiard cue sticks
 Fuel for meat smokers
 Spices and flavorings
 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
 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
 Wooden wheels for automobiles and
 wagons
 Pull toys
 Sextants
 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
 Tool chests
 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
 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
 Avocadoes
 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 of 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

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 caps 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

Book paper

Book marks

Envelopes

Checkbooks

Bulk mail

Bills

Instruction manuals

Packaging cards for blister-packed products

Calendars
 Diplomas and Certificates
 Report cards
 Lamp shades
 Book covers
 Concert posters
 Identification badges
 Newsletters
 Recipe cards
 Salt boxes
 Sugar and flour bags
 Can labels (except for tomato cans for some unknown reason!)
 Bottle and jar labels
 Cereal boxes
 Shelf labels in grocery stores
 Adhesive-backed labels
 Receipts
 Menus
 Poster board
 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
 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
 Paper Cups
 File Folders
 Post-It Notes®
 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 *labels* 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 and paper towels
 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” used 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

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 computer files)
 Drinking straws
 Shotgun cartridges
 Carbon paper
 Bumper stickers (now made out of vinyl except for the peel-off paper on the backside)
 Computer cards (now 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); also used to stabilize oil well drilling muds.	Additive to unfired ceramics to give them strength	varies by manufacturer)
Cellulose-based pill fillers	Fungicides	Suntan lotion (<i>e.g.</i> , almond oil (emollient); clove bud oil (scent); cocoa butter (emollient))
Cellophane (wrapping material, also used for Easter basket grass!)	Hair spray	Ink (incorporate tall oil rosins from hard pines)
Toothpaste additives (<i>e.g.</i> , cellulose gum)	Cosmetics – including thickeners such as methyl cellulose and methyl hydroxy ethyl cellulose	Tall oil fatty acids and derivatives are used as:
“Plastic” twine	Methanol (used in colognes, solvents)	PVC stabilizers
Hardhats and sports helmets	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.	Synthetic lubricants
Cigarette filters (cellulose acetate fibers)	Tannin (used in natural tanning process, less common than formerly)	Polyamides
Cellulose industrial filters	Carnauba wax is commonly used as a pill coating.	Corrosion inhibitors
Sausage casings	Liquid Smoke®	Soaps
Cellulose sponges	Linoleum (oxidized linseed oil mixed with pine resin and wood flour)	Detergents
Artificial vanilla flavoring (by-product of Kraft process pulping)	Acetic acid (produced by distillation of wood)	Emulsifiers
Cleaning compounds	Biofuels from wood distillation	Rubber processing additives
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.	Liquid nail polish	Asphalt additives
	Shaving cream (tea tree oil, camphor, etc.,	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 copied 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!

(T. Conners 07/02)

Educational programs of the Kentucky Cooperative Extension Service serve all people regardless of race, color, age, sex, religion, disability, or national origin. Issued in furtherance of Cooperative Extension work, Acts of May 8 and June 30, 1914, in cooperation with the U.S. Department of Agriculture, M. Scott Smith, Director of Cooperative Extension Service, University of Kentucky College of Agriculture, Lexington, and Kentucky State University, Frankfort. Copyright © 2002 for materials developed by the University of Kentucky Cooperative Extension Service. This publication may be reproduced in portions or its entirety for educational or nonprofit purposes only. Permitted users shall give credit to the author(s) and include this copyright notice. Publications are also available on the world wide web at: <http://www.uky.edu/Agriculture/Forestry/forestry.html>.