### Solid Wood Products

- Lumber and plywood to build new homes
- Doors
- Window frames and sills
- Flooring
- Handrails
- Stairs
- I-joists
- LVL (laminated veneer lumber)
- Parallel strand lumber
- Finger-jointed lumber
- Machine stress-rated lumber
- Coat racks
- iPhone cases
- Furniture
  - Dining room tables and chairs
  - Upholstered furniture frames
  - Rocking chairs
  - Stools
- Stair rails
- End tables
- Coffee tables
- Beds
- Bookcases
- Desks
- Kitchen cabinets
- Picture frames
- Nightstands
- Bureaus
- Fireplace mantels
- Sculptures and carvings
- Landscape timbers
- Highway guard rails
- Snowshoes
- Toothpicks
- Match sticks
- Chopsticks
- Shutters
- Baseball bats
- Canoe paddles and oars
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) | Doll houses  
Chips for smoking meat | Test tube racks  
Sassafras oil is used as a soap perfume | Wine racks  
Logs provide nutrients for shiitake mushrooms | Handrails  
Cutting boards | Stake-body truck sides  
Model airplanes | Gerbil chew sticks (balsa wood)  
“Biscuits” for wood joining

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

<table>
<thead>
<tr>
<th>Products</th>
<th>Products</th>
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<tbody>
<tr>
<td>Water pipes</td>
<td>Street paving blocks</td>
</tr>
<tr>
<td>Bocce balls</td>
<td>Rocking horses</td>
</tr>
<tr>
<td>Commemorative medallions</td>
<td>Fun house barrels</td>
</tr>
<tr>
<td>Tennis rackets</td>
<td>Fishing lures</td>
</tr>
<tr>
<td>Car dashboards</td>
<td>Storage battery separators (hard rubber)</td>
</tr>
<tr>
<td>Golf clubs</td>
<td>Water tanks</td>
</tr>
<tr>
<td>Conestoga wagons</td>
<td>Wardrobes/armoires</td>
</tr>
<tr>
<td>Clocks and clock gears</td>
<td>Model “T” coil boxes</td>
</tr>
<tr>
<td>Waterwheels</td>
<td>Automobile chassis</td>
</tr>
<tr>
<td>Printing press type</td>
<td>Ironing boards</td>
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<tr>
<td>Printing presses</td>
<td>Treenails</td>
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<tr>
<td>Deckle boxes (frames used to make paper by hand)</td>
<td>Post and beam timber framing</td>
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<tr>
<td>Paper presses (to squeeze the water out of handmade paper)</td>
<td>Cabinets for Analytical balances</td>
</tr>
<tr>
<td>Woodworking planes</td>
<td>Shoe lasts</td>
</tr>
<tr>
<td>Cigar store Indians</td>
<td>Radio, television and phonograph/stereo cabinets</td>
</tr>
<tr>
<td>Weaving shuttles and bobbins</td>
<td>Butter churns</td>
</tr>
<tr>
<td>Wooden shoes</td>
<td>Harpsichords</td>
</tr>
<tr>
<td>Bows and arrows</td>
<td>Railroad cars</td>
</tr>
<tr>
<td>Cradles</td>
<td>Aircraft propellers and airframes</td>
</tr>
<tr>
<td>Wooden wheels for automobiles and wagons</td>
<td>Minesweeper boats, PT boats</td>
</tr>
<tr>
<td>Pull toys</td>
<td>Silos</td>
</tr>
<tr>
<td>Sextants</td>
<td>Fermentation vats</td>
</tr>
<tr>
<td></td>
<td>Cigar boxes</td>
</tr>
</tbody>
</table>
Racing shells (one to eight-man rowed boats)
Wringer 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
Gallow
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!)
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
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

**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)

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);
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!
Wood - Wood as a material: As is indicated in the preceding sections of this article, the total number of products made from wood is enormous—as high as 10,000, by some estimates. Such wide application is made possible by the versatility of wood and its many desirable qualities, such as high strength for its weight, workability, and aesthetic appeal. But wood also has certain undesirable characteristics. It can burn and decay, for instance. It is hygroscopic (moisture-absorbing), and in gaining or losing moisture it changes dimensions. As a biological product, moreover, wood is variable. Instead of just making a wood filler product, System Three went a step farther. This product is meant to be a full-fledged moldable wood substitute. Looks, Feels, And Works Like Clay. This stuff is meant to be kneaded, just as you might do with a lump of bread dough or a ball of modeling clay. It is made with reconstituted wood fibers for maximum strength, is made from a non-toxic and non-irritating formula, and becomes very hard and strong once dried. Stainable And Sticky. This one is advertised as a “stainable” wood filler, and it lives up to those claims.