

Rich Alderfer
 One Good Turn Deserves Another
 1932 W. Crescent Dr.
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The following are resources for woodturners: most of which I have ordered from[o] or visted [v]in person, and received adequate service and delivery. I have only ordered by phone and put it on plastic. I have not received any money or free tools from any of these companies, but I sure would like to.

Amer. Assoc. of Woodturners	St. Paul, MN	651-484-9094	o	Hats, aprons, books, videos
Berea Hardwoods	Middleburg, OH	216-898-8956	v	Penkits, Wood and ample burls
Carlton's Rare Woods	Atlanta, GA	404-876-1144	v	An awesome place to visit
Craft Supplies	Provo, Utah	800-551-8876		Since 1982, Great catalog
Cutting Edge		800-790-7980		Since 1993
Hibdon Hardwood	St.Louis, MO	314-621-7711	v	More than 50 species, just guessing
Highland Hardware	Downtown Atlanta, GA	404-872-4466	v	Ultimate store, with theater & stage for demos
Klingspor's Woodwork Shop	Hickory,NC	800-228-0000	o	I have ordered their sandpaper
Northwest Lumber	Laf. Rd. S. of 56th	317-293-1100	v	Massive Variety, high quality and prices
Packard Woodworks	Tyron, NC	800-683-8876	o	One of my favorites, broad selection
Penn State Industries	Philadelphia PA	800-377-7297	o	Another favorite. Air systems also a specialty
Rockler	8452 Castlton Crnr Drive	317-578-9750	v	Nationwide 1-800-279-4441
Starbond Glue	Los Ang. CA	800-900-4583	o	Best prices on CA glue, excellent service
Supergrit	Gettysburg PA	800-822-4003	o	Mostly just sandpaper
Turningz.com	Indianapolis			Local AAW member
Winner Wdwdg	Troy Ave.	317-784-6530	v	Can order nearly anythin
Wood Mizer	E. Tenth, Indy	800-553-0182	v	Top U.S. portable wood mill. Has registry I think.
Woodcraft	8180 E.96, Indy	317-578-3400	v	My favorite store in Indy
Woods Work	9509E.Washington, Indy	317-897-4189	v	Great store, even tho Joe has basically retired

First Lathe

10 inch mini-lathe, ½ to 1/3 hp, 1”by 8tpi, MT2 . Consider bed extension for longer spindles. Heavier is usually better quality. Delta, or Jet, Approx \$200-300.

Needed Tools 1. One and a half inch Spindle Roughing gouge, one half inch spindle gouge, parting tool, 1 inch skew. Optional: 1/2 “bowl gouge, and three quarter inch round nose scraper. HSS is good.

Chucks, Faceplates, and other holding methods.

Excellent references include Fred Holder’s book, Richard Raffin, and Time Life book.

First Projects should be honey dippers, rolling pins, lathe tool handles, furniture spindles, ballisters (stairway rungs), candlestick holders, wooden mallets, gavels, and similar cylindrical shapes, using well balanced dry wood. These projects are generally turned between centers (between drive spur and tail stock live center).

Woods: Try them all, but especially fruit and nut woods. Osage Orange (hedgeapple) and the thorn family are excellent. Avoid rotten and badly split woods .

Sharpening: Numerous strategies, jigs, grits, angles, stones vs. sandpaper vs. grinders. Observations: 1. Factory tools (new) are often not properly formed or sharpened. 2. Frequent sharpening reduces turning time and improves quality. 3. Beginners benefit by using jigs. 4. The most common sharpening is probably 8 inch white wheel (100-120 grit), half speed (1800 rpm) grinder.

Diagonal laminating for a Rolling Pin

This project requires dried (stable) wood that is free of knots, splits and bugs. The final dimensions of the rolling pin are 3 inches in diameter and 24 inches long. A variety of species is best, using maple, apple, ash or pear for light colors, mulberry, hedgeapple, or cherry for their colors, and walnut for dark contrast. Avoid spalted woods, insect riddled woods and any soft woods. Tropical woods like yellow heart, red heart, purple heart and other non-oily species also suitable but more expensive.

1. Plane the wood to varying thicknesses and 3.5 - 4.0 inches wide
2. Cut to 25 inch length.
3. Trial stack the wood to insure a minimum combined “glued – together” of 3.5 inches.
4. Glue all layers “face to face” using Titebond III. It has a longer window for laminating and is more water resistant than Titebond II. Avoid putting the same species on opposite sides for this first lamination. Follow full cure recommendations and temperatures.

Diameter in inches	Maximum R.P.M.
1	2850
2	2400
3	1500
4	1000
6 -8	850
10 - 12	750

Length is also a factor in small diameter work, since the wood can flex. A well balanced one inch spindle (say 3 or 4 feet long) would quickly exit the lathe at the speed posted above (in the absence of a steadyrest).

12. Create one template for the two handles (figure below, part c).
13. Turn entire blank to one uniform cylinder of 3 inches using a spindle roughing gouge.
14. Use parting tool to depth of where handle attaches to the body.
15. Form each handle to shape with spindle gouge/detail gouge and carefully measure the two diameters (part d).
16. Remove tool rest holder and tool rest from the lathe. Begin sanding with 60-80 grit with power on at low speed. Then stop the lathe and sand by hand with same grit in direction of the grain. Repeat this process with 100 grit, 150 grit, 200 and 400.
17. If you like the rolling pin, engrave your name in the wood on the end of the main body and maybe the month and year. To finish, soak it in mineral oil inside of a ziplock for 15 minutes then wipe clean with paper towels. If you don't like the rolling pin, part just off of the center of the body and create two wooden mallets.

