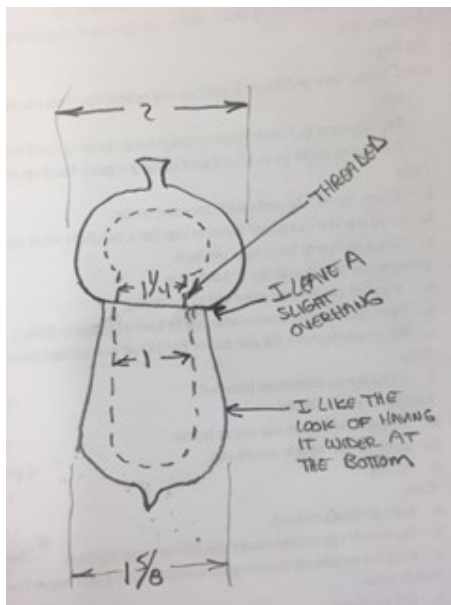


Colored Wood Threaded Acorn Box

By Skip Wilbur

I get colored wood from CWP Cousineau Wood Products (2" square). I make the tops a lighter color hardwood (maple or cherry work well).

Start with the top (female). I usually turn and rough a number of tops before I do any bottoms. I find that a piece of 2 X 2 X 3 3/4 yields 2 tops.



Rough shape the cylinder to about 2". Top ready to be drilled with a 1 1/4" forstner bit and I go in about 5/8 deep. Then rough shape top.





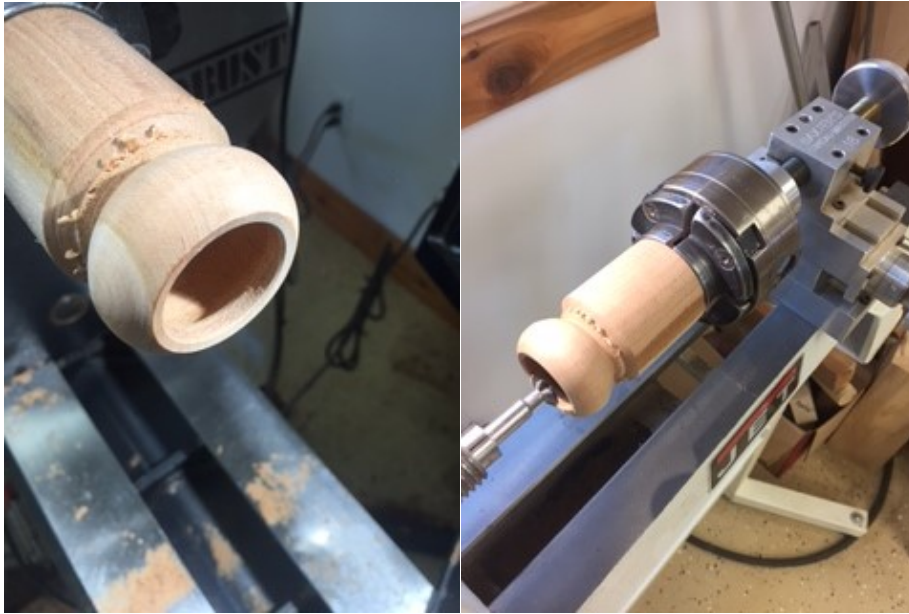
I now put CA (thin) glue on the area to be threaded, I've also used wax but I think CA does a better job.



This tool is a tool I made to hollow out the inside of small vessels but any small hollowing tool will work.



Start hollowing out after about 1/8" in as you need that area to cut 2-3 threads. Once hollowed bevel the leading edge for the threads to start easier.



Take the piece off the lathe (chuck still attached) and mount it on the threading jig. Cut threads, I cut to .045 in about 4-5 passes, don't forget once cutter of the threading machine goes into the empty space (hollowed out area) to shut the lathe off and bring cutter out, you don't want to back it out with it is still operating, same for the bottom male tenon.



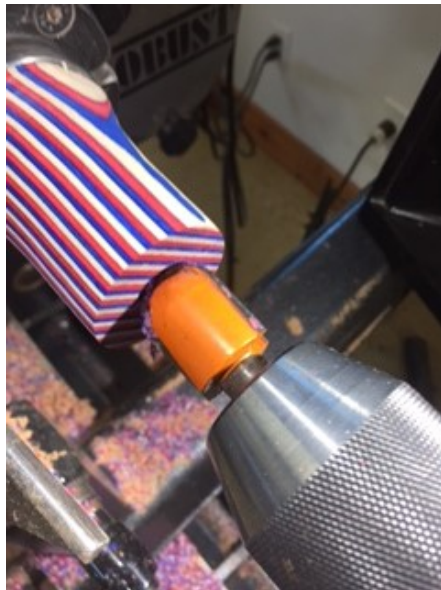
Mount back on lathe and turn finish shape of top and part it off. Don't worry about a hand pull on top at this point you'll have another chance to finish it off later.

Colored wood – I buy 2X2X11 ¼ so I can cut each piece into 4 equal parts to yield 4 boxes about 2 ¾ “ long. Round out and make tenon on end to chuck it up. I turn the cylinder slightly over the



width of the flat part on the top.

Drill out the bottom with a 1” box core bit. You can run the lathe fairly fast for this as it is a router bit. I run it in about 1 ¼” (length of bit) and stop it a few times to clear it out.



I then lightly sand the inside and finish it with either friction polish or wax.

Measure the inside diameter of the top with calipers then add .050 and turn male portion on



bottom piece trying to keep the sides parallel.

I make the length of the

male tenon about $\frac{1}{4}$ " with a beveled end and a recess against the shoulder, you just need enough for 2-3 threads. CA glue to stiffen and cut threads on threading jig.



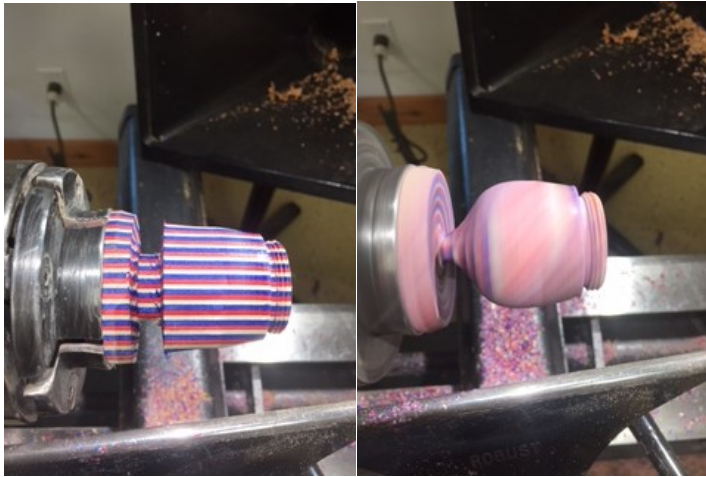
I cut to .040 and check fit with the top, if too tight I will cut

another .005 until it fits (don't want it too tight). Sometimes it doesn't tighten down all the way – not to worry – take it back to the lathe and widen the recess, that usually works.



I like having the top slightly hanging over the bottom, Finish up the top while screwed onto the bottom (sand and finish of your choice).

Figure out where the inside bottom is (I use a pencil for the depth) rough turn and part off leaving about a 3/16" bottom.



Mount on jam chuck, or threaded chuck, finish bottom, sand and finish of your choice.

