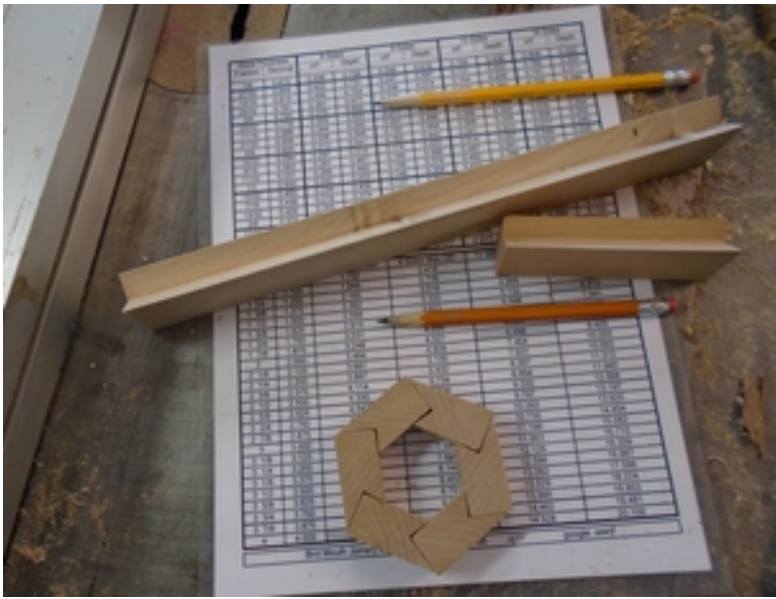


I was going to make a solid rolling pin, but the piece of wood didn't work out. So then I got the idea to construct a staved rolling pin. I decided to try birdmouth joinery to make the cylinder. I had some maple and walnut boards and thought these would look good.



1 1/4	1.125	1.732		
1 3/8	1.375	2.165		
1 1/2	1.500	2.598		
1 5/8	1.625	2.815		
1 3/4	1.750	3.031		
1 7/8	1.875	3.248		
2	2.000	3.464		
2 1/8	2.125	3.681		
2 1/4	2.250	3.897		
7/8	0.875	0.438	0.731	0.241
27/32	0.844	0.422	0.731	0.238
13/16	0.813	0.406	0.704	0.234
25/32	0.781	0.391	0.677	0.230
3/4	0.750	0.375	0.650	0.226
23/32	0.719	0.359	0.622	0.222
11/16	0.688	0.344	0.595	0.218
21/32	0.656	0.328	0.568	0.214
5/8	0.625	0.313	0.541	0.210
19/32	0.594	0.297	0.514	0.206
9/16	0.563	0.281	0.487	0.202
		0.266	0.460	0.198

First using my chart I determined for a diameter of 2 7/8" I needed 6 strips 1 5/8" wide. For 3/4" stock the birdmouth point ht was 3/8" and depth of cut 5/8"

Next I cut a couple of test staves then cut off 6 pieces about 3/4" wide and checked the fit.



When I got it all worked out, I cut 3 staves of maple and 3 of walnut 13" long and glued them together.



Here I have the staved tube mounted between 2 jam blocks that just fit snugly in the center hex hole.

Ready to turn.



A series of grooves cut to 2 7/8" dia to aid making the cylinder parallel



Here the turning is just about to size.

Time for lunch.

It was just about here that I lost it and went completely nuts. While at lunch I had the idea that if I cut the tube in slices and glue them back together rotated about 3/8" I could create a spiral effect. So after lunch with a new plan off I go slicing up the tube.

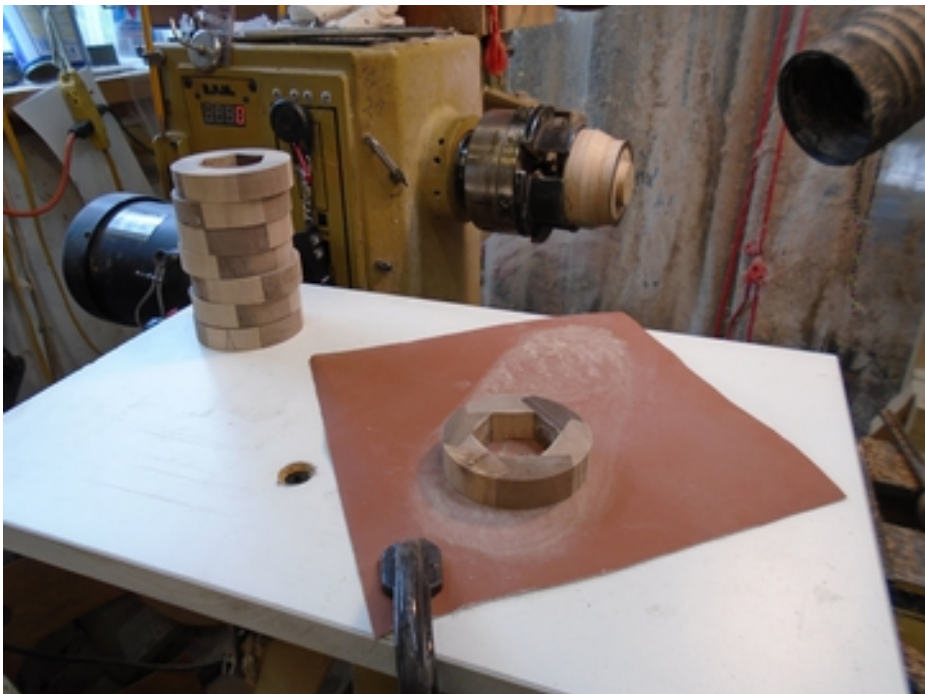


Using a sled on the bandsaw to slice up the tube. You can see the lines I scribed with the dividers before removing it from the lathe. Now it's an old blade and it didn't cut too straight so the sides will all have to be squared up.



Using the jam chuck to square and flatten the sides.

With a fresh burr, my smoothing scraper cuts great.



A quick rub on a flat surface to make sure the sides were flat.



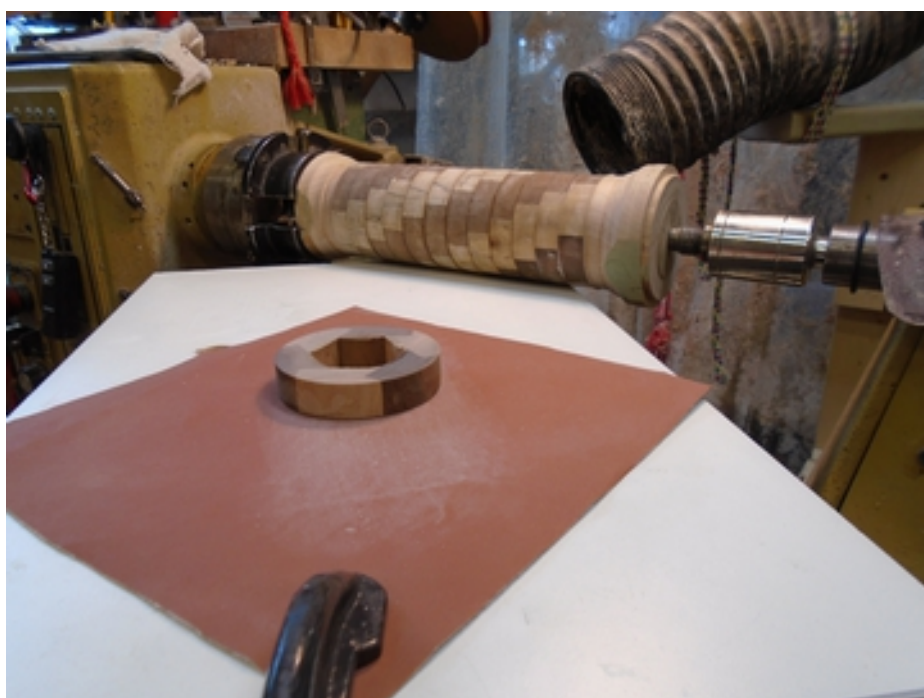
Here I am glueing the slices back into a cylinder. Each is positioned and clamped with the jam chuck and the tailstock



The spiral offset is set with dividers to keep it even.

Each slice is clamped for about 2 minutes before the next is added.

It went much easier than expected.



As the Cylinder got longer it needed a little support when the tailstock was removed to stop it falling off the jam chuck.

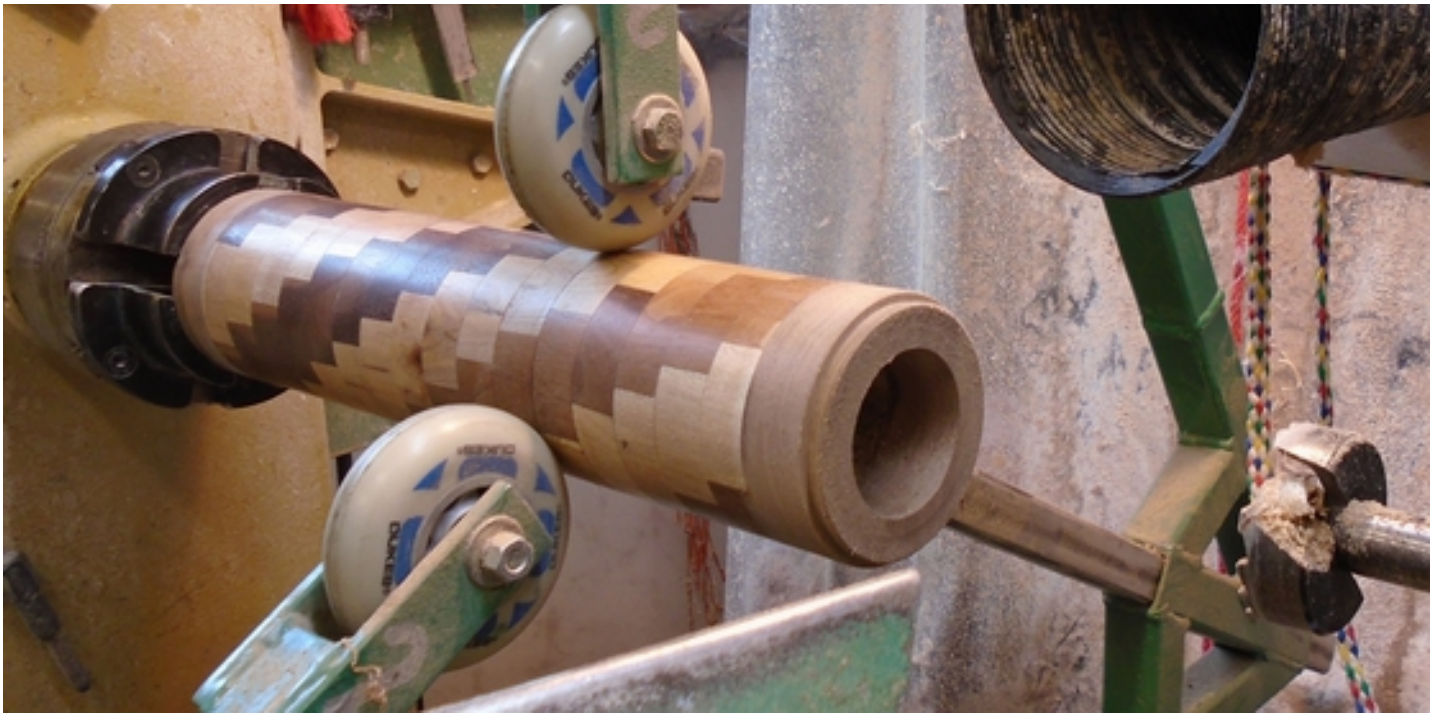
When all the slices were glued in place I left it clamped for 30 minutes before turning it.



Turned and sanded to 220, sealed with sanding sealer, smoothed with Nova Silk, then some Mineral Oil it looks great. Maybe not so nuts after all.



Gluing a walnut disc to be turned with a tenon for the chuck. I'll do this at both ends.



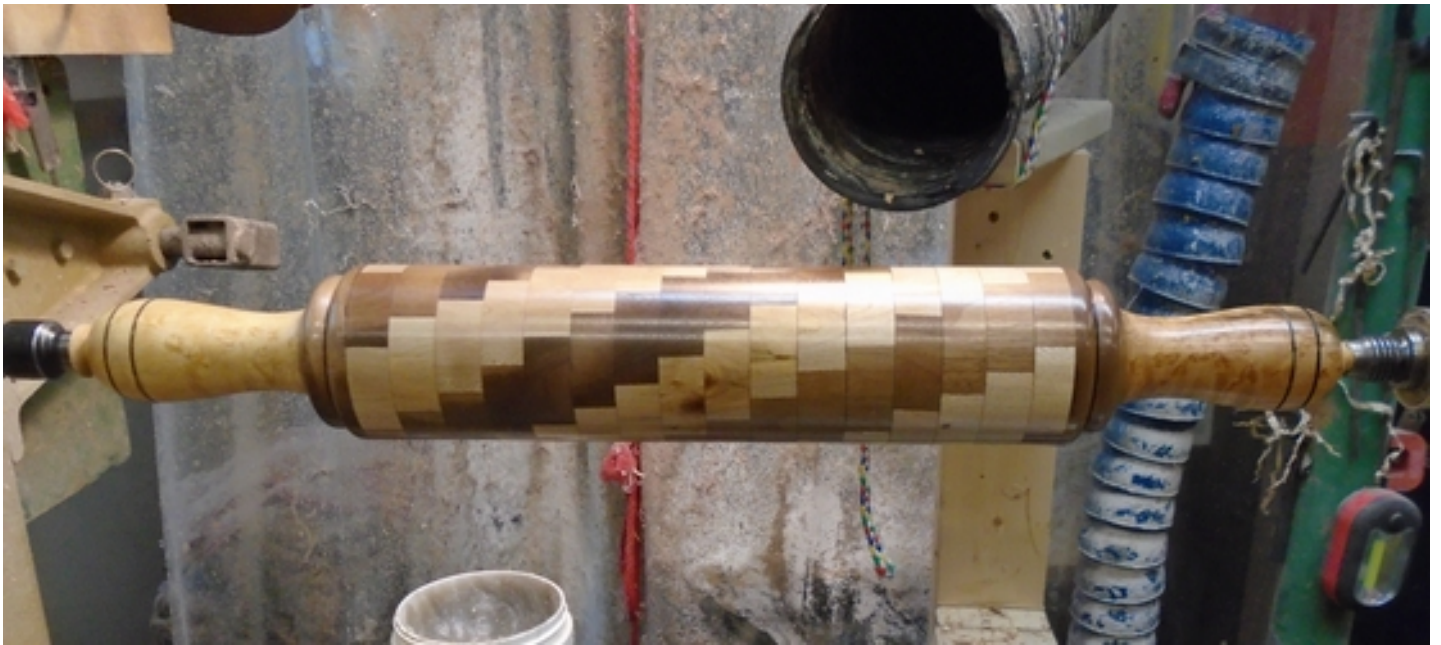
Boring out the body for the Handles.



Turning the handles to fit in the body, Then parted in 2 for the handles.



The rough birdseye maple handles are glued in the body.



The handles are shaped and highlighted. Sanded, Sealed and finished with Nova-Silk and Beeswax.



Ready to Roll



Beautiful BirdsEye Handles...

Richard Ford...