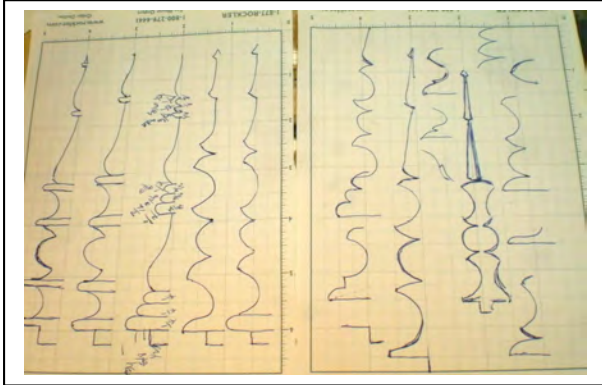


Icicles

Material Needed:

Contrasting hardwood to the globe material
1x1x7 for icicle (includes amount in chuck)
1x1x3 for top
7mm gold eyelet
#52 drill bit

Procedure:



Have a drawing of the detail you are trying to create. Mark the sections of the icicle on the blank.



The icicle can be turned from pointy end or tenon end first. My preference is to turn the pointed end first because much of the shaping is done unsupported.



Step 1:
Chuck icicle material in chuck.
Bring up tailstock for initial shaping.
Initially remove corners of stock and rounding out only at tailstock end.



Step 2:
Remove tailstock. Begin working the end to a point and into the desired profile. You seek to create an icicle with crisp profiles and deep detail cuts.
Vary your shapes between coves, beads and half beads, and v's. You may use captured rings if desired. Avoid symmetry.



Step 3:
When shaping thin diameters use your finger behind the spindle to provide support.

Work only one portion at a time. Sand and finish as you go. Once you cut behind the detail you can NEVER go back.



Step 4:
When you reach the tenon portion of the icicle cut a 3/8" tenon. Use calipers to verify the fit into the globe. Use a homemade tool to undercut the flange to match the radius of the globe.

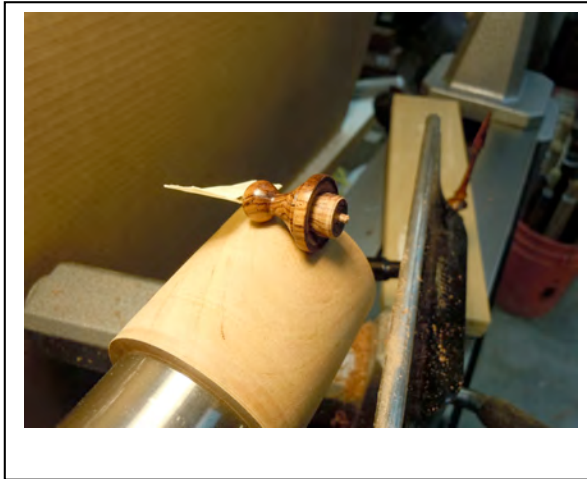


Sketch your own possible profiles:

The Cap Top Detail Procedure:



Step 1:
Mount the remaining stock into the chuck. Turn a ball or bead as the top of the ornament. Mount a #52 drill bit into a Jacobs chuck mounted in the tailstock. Carefully drill a hole in the center of the bead approximately 1/4" deep.

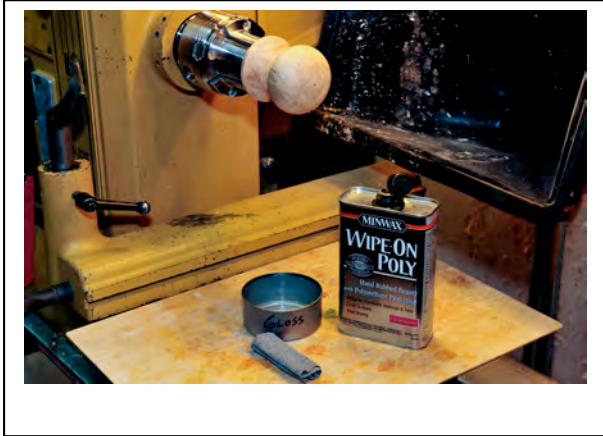


Step 2:
Finish shaping the top cap. Turn a 3/8" tenon and undercut the flange as above. Prior to finishing I cover the eyelet with tape to keep finish off the metal.

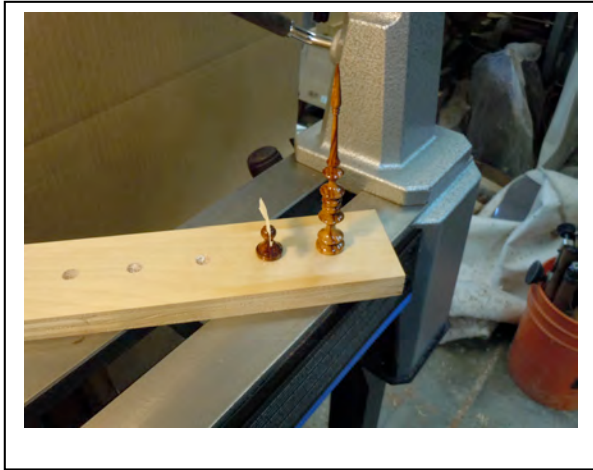


Step 3:
Apply paraffin to the threads and screw in the eyelet. Use the little duckbill pliers with plastic tubing on the jaws for quick installation.

Finishing:



Globes may be finished on or off the lathe. On the lathe my favorite finish is Minwax Polycrylic (water based polyurethane). Several coats may be applied in one day. Smooth finish with 600 w/d after 3-4 coats. Add 3-4 additional coats. Wet sand with Micro Mesh pads to 12000 grit. Polish with McGuires 1, 2, 9, 7 grits polish (in that order!)



Icicles are finished off the lathe with spray lacquer. I use a strip of plywood with 3/8" hole drilled in it to hold the icicles in position to be sprayed.

If both the globe and icicle are finished off the lathe I recommend assembling them and hanging from the eyelet. Then spray with lacquer to the desired gloss is achieved.

Assembly:



Use Cyanoacrylate glue and carefully attach the icicle and top to the globe. Avoid using too much adhesive. Allow to dry, hang on your display hook and enjoy!