

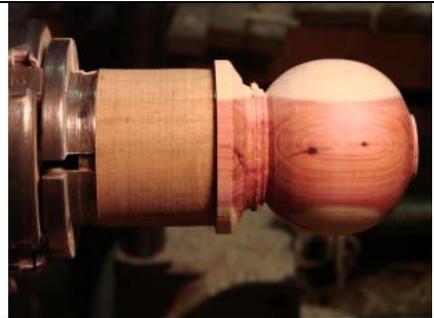
Christmas Ornament Hollowing

By Ed Malesky

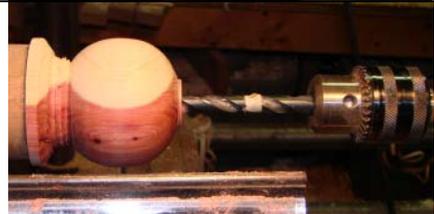
Form most of the exterior of the globe. You still need a little thickness at the headstock end to help support hollowing.

The tailstock end will be the top of the globe and the headstock end will be for the finial.

You can mount the blank either directly in the chuck, or use a glue block as I have done here.



Drill a 3/8" hole through to the base of the ornament.



My homemade hollowing tools. The one on the left is from an Allen key and the sharp right angle allows me to get inside the lip of the ornament top. The others are made from water quenched steel I got online.

The straight one does the initial hogging, about half way through the globe. I then do the undercutting of the top and then use the curved ones to thin the walls.



Simple tool made from a coat hanger to determine wall thickness. Direct from Dick Sing's books.

You make a fixed spacing between the legs, ie. 3/9 inch. Then with one leg on the inside wall you measure the distance from the second leg to the outside wall.

For example, if you have a fixed 3/8" gap and the gap measured to the outside wall is 1/4", it means the wall is still 1/8" thick



Keep working at the top to get the wall correct here and then proceed down the globe. I generally try to make the walls less than 1/8" thick.

The top starts with the small leg inside to keep the leg tips square. Switch around with the bigger leg inside as you approach the bottom

Use the straight scraper at the bottom, working from the drilled hole out to the wall.

Use the gauge a lot, especially near the bottom



You now complete the exterior of the globe. You need to do this to check the wall thickness at the bottom of the globe.



Once done hollowing, Since you've probably banged up the initial hole while hollowing, drill a clean hole with a 5/8" bit.



Use a flat scraper to create a flat seat for the cap



Use a parting tool to cut off the globe, as well as leaving a flat for the finial.

