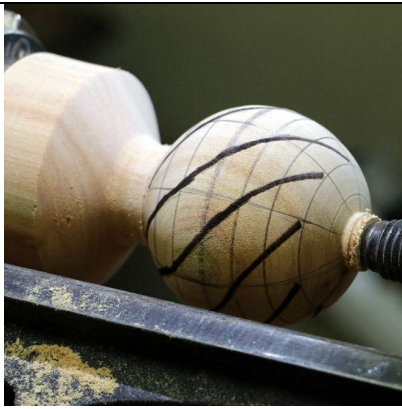


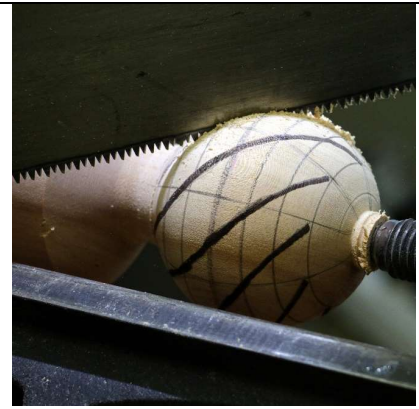
Spiral Hollowform Christmas Ornament Handout – Walt Wager



Shape the sphere and draw grid and cut lines. Notice that I have gone over one line horizontally and up two lines vertically. The number of vertical lines determine the number of bines.



The next step is to cut the spaces between the bines. The bines being the spiral parts that are left. It may seem strange to be doing this before hollowing, but it is better to do it while the cuts are supported by the solid sphere of wood.



One way to do this is to use a saw to cut along the spiral lines, trying to get an even depth of cut along the surface.



The cuts can be widened with a rasp or a surform tool shown here.



Another way to cut the grooves is with a mini grinder and carbide disk cutter. This makes a groove about 1/8 to 3/16ths of an inch wide 1/4" deep.



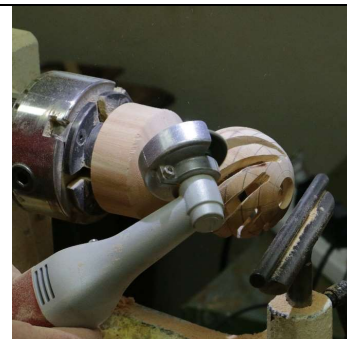
The next step is to hollow the globe. Drill a 3/8" hole all the way through. Use 1/2 or 3/4 inch drill leave 1/4" at the bottom.



Hollow with whatever hollowing tools you use.



Cut the grooves to an even depth you will be able to see the sawdust come out as you hollow.



When you are finished hollowing use the rasp or mini sidegrinder to even out the thickness of the bines.



I've found a sanding disk on a side grinder or angle drill is helpful to round off the top corners of the bines.



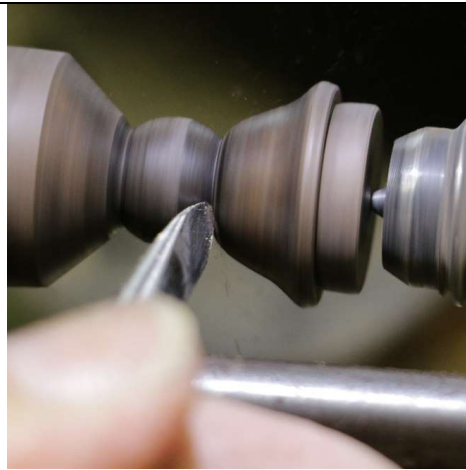
To round the bottom of the bines and smooth off the top use a cloth-backed sanding strip with a shoe-shine type motion.



Likewise sanding sticks made by using craft sticks are useful in smoothing the bines.



Starting with the top finial, turn a $\frac{3}{4}$ " tenon to fit into the globe



Turn the top finial to the desired shape – here I am using a detail gouge.



Sand to 600 grit and part it off.



Turn the bottom finial. I start by tapering the blank from the headstock toward the tail stock.



Turn a $\frac{3}{8}$ " tenon on the end of the finial. After sanding, part it off.



Assemble and Finish

Notes: Video and Detailed handout at <http://waltwager.com> under videos and docs menu –
<https://www.youtube.com/watch?v=LqolCLsHIWg>