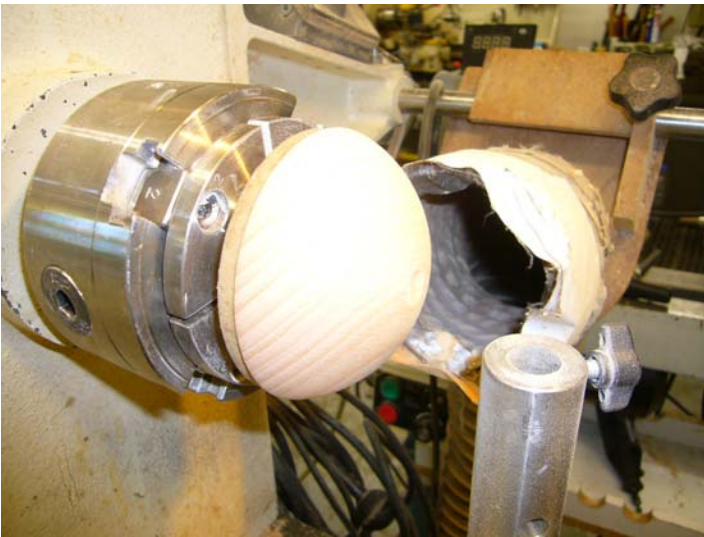


Paul Howard Owl Mortar Board Hat

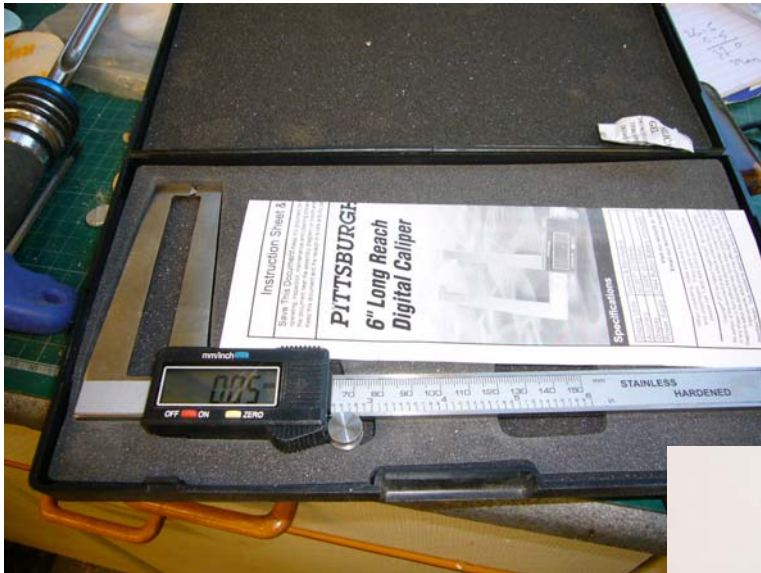


I start with a blank about 3.5" (30mm) diameter on a screw chuck with a backing disc the same diameter as the recess in my doughnut chuck front ring. I then turn or use a sphere jig to get the dome shape and diameter to match the backing disc. I normally put some wax on the screw chuck so I can unscrew the finished piece



I turn the inside with a bowl gouge to a wall thickness of about 3/32" (2-3mm I make the step in the front ring to this dimension.





The other option is to use a Vacuum Chuck to turn the inside, when the vacuum starts to drop very low I sand the inside and this fills the pores with dust and the vacuum returns to a higher level.

The flat part is made from thin Ply wood or laminated veneers

I use these brake disc callipers to measure the height of the dome so I can make measurements when turning the inside. I think they came from Harbour Freight when I was working in the USA

