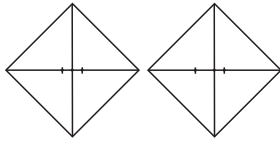
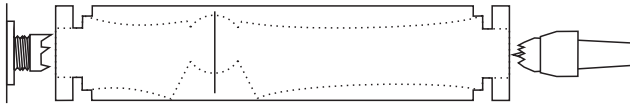


Ball and Vase

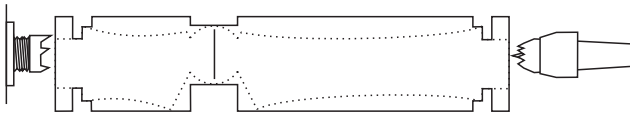
This is a project for a wig stand shaft, but you may change the dimensions for another project of your choice. This is adapted from a picture of candle holders by Barbara Dill shown in American Woodturner June 2021.



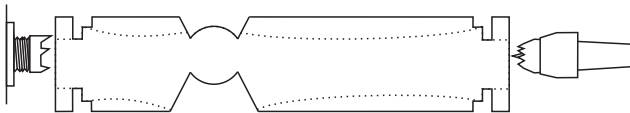
Start with wood that is 50 x 50 x 240mm long. Mark the ends with 5mm offsets on the headstock end and a 5 and 10mm on the tailstock end as in the diagram.



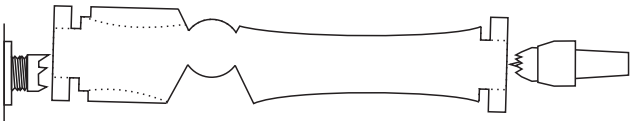
Mount it on centres between the lathe centres. Make the wood round and make the inner cuts of the spigots that will fit the shaft to the wigstand head and base. Then make a cut to 40mm diameter at each end of the main part of the wood. Later, this will be the finished diameter of the ends of the wood. Put a pencil mark on the wood at one third (excluding the mounting spigots) of the length.



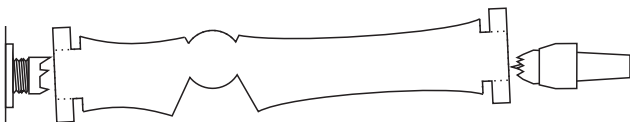
Remount the wood on the 5mm offsets at both ends. At the one third pencil mark, and 10 - 12mm each side of it, cut in to create a 30mm diameter. Put a pencil line on the wood at the centre of this cut. This is the centre line of the ball.



Cut the curve of the ball and the sloping faces leading in to it. Sand these surfaces.



Return the tailstock end of the wood to the centre mark and take the headstock end to the second 5mm offset mark. Cut the surface between the ball and the 40mm diameter cut at the tailstock end to a gentle curve. Sand this surface.



Return the headstock end of the wood to the centre mark and take the tailstock end to the 10mm offset mark. Cut the surface between the ball and the 40mm diameter cut at the headstock end to a gentle curve. Sand this surface.



Return the wood to the centres on both ends. Cut the mounting spigots down to the desired finished diameter.