

Wig Stand Project

March 2013

Material: - Choice of wood

1 pc. 6" x 6" x 1 ½" – 2" Round or Square for Bottom

1 pc. 5" x 5" x 1 ½" – 2" Round or Square for Top

1 pc. 2" x 2" x 10" For Spindle

Tools:- 1" Forstner Bit, Jacobs Chuck, Caliper, Pencil, Roughing Gouge, Parting Tool, Bowl Gouge, Spindle Gouge, Jamb-Chuck if desired, One-Way Cone, Sand Paper, Finish and Applicator.

Design: - As per attached sheet from Durham Woodworking Club...

Approximately 5 ½" Base , 3" to 5" Top, and overall height of 12"

Guidelines:-

1. Find center of top and bottom pieces and drill 1" dia. Hole 3\4" deep.
2. Make 1\4" tennon on top of bottom piece and on top of top piece for chuck mounting.
- 3. Bottom**
 - a. Place on chuck
 - b. Shape bottom of base and make cavity 1/8" deep and 2 ¼" dia. to grip inside with chuck. .
 - c. Sand and finish bottom.
 - d. Turn bottom around and grip in chuck.
 - e. Shape top of base. Try to leave approx. ¼" wall at top of hole and slight negative bevel for seamless fit to spindle.
 - f. Sand and finish.
- 4. Top**
 - a. Mount tennon in chuck and shape Bottom of top, sand and finish. Try to leave approx. ¼" wall at top of hole and slight negative bevel for seamless fit to spindle.
 - b. Sand and finish.
 - c. Make a jamb-chuck and mount top on jamb-chuck by using cone to press squarely on chuck. Shape a nice arc on top removing previous tennon. Use tail stock for support until last little bit then remove button that is left. LIGHT CUTS.

5. Spindle

- a. Determine length of spindle. Measure height of top and bottom.
- b. I.e. $1'' + 1\frac{1}{2}'' = 2\frac{1}{2}''$ now subtract that from $12''$ and then add $\times 5/8''$ to get total length of spindle. This will be approx. $10\frac{3}{4}''$
- c. Make $1''$ tennon on both ends $5/8''$ long. Now shape remainder of tennon to your satisfaction. Beads next to seams will help hide the seam. You can also use wire to burn marks in or use pyrography. Whatever appeals to you. This is your design.
- d. Sand and finish.

6. Identification

We need to scribe/print 'Durham Woodworking Club' on the bottom of the stand. It would be nice to put the year, type of wood used. And name of turner.

Have fun!!!

Paul Dale