

TURNING A FLOWER AND VASE

GETTING STARTED:

1. Select a piece of wood 2"x2"x3". Find and mark the centers at both ends.
2. Place a 4-prong drive center in the headstock and a 60-degree revolving cone center in the tailstock. Place the block of wood between centers and, using a 3/4" ROUGHING GOUGE, turn round at approximately 2000 rpm.
3. Square the end closest to the tailstock, using a 3/16" PARTING TOOL.
4. Turn a tenon at the end closest to the tailstock, 1/4" long x 1 3/4" in diameter (could be different depending on the chuck you are using).
5. Remove the 4-prong drive center, screw on the chuck, and place the block of wood in the chuck.
6. From the end, measure back 20mm, 40mm, and 60mm. Using a 5/8" DRILL BIT or FORSTNER BIT, drill a hole 2" deep.
7. From the 60mm line, using a 3/16" PARTING TOOL, part to 3/4" in diameter using OUTSIDE CALIPERS. Begins shaping the flower.
8. Once you are satisfied with the outside shape of the flower, use the EASYWOOD MIDI HOLLOWER #1 to hollow out the inside of the flower. Hollow to approximately 1/16" wall thickness.
9. Sand the outside and inside of the flower using 80, 120, 220, 400, and 600 grit sandpaper.
10. Using a block of wood 1"x1"x4", make a template for laying out the 5 petals of the flower. Turn the block of wood round and taper one to a 3/4" diameter. At the end, from the center of the taper, mark 5 lines for the petals (they do not need to be perfect).
11. From the end of the flower, make marks at 20mm and 40mm. Place the template in the middle of the hole of the flower and mark 5 places from the template.
12. At the 20mm mark, place marks between the marks made at the top of the flower. With a pencil, connect the dots from the top of the flower to the middle dots at the 20mm line, rounding over the petals.
13. Once completed, make a straight line from the 20mm line to the 40mm line.
14. Using a DREMEL WITH A CUTTING DISC (or coping saw), cut on the outside of the petals all around the flower. Last, use the DREMEL (or thin kerf saw) to continue the straight line from the 20mm line to the 40mm line. Use sandpaper to sand and form the petals all the way down to the 40mm line.
15. Using a 1/8" DRILL BIT, drill a hole down the inside center of the flower, for the stem.
16. Using a 3/16" PARTING TOOL, part to 1/4" diameter.
17. Finish the flower using lacquer and wax finish.
18. Part off the flower.
19. Measure a 1/8" dowel approximately 8" in length and cut off. Stain or dye green. Glue the stem into the flower.

TURNING THE BUD VASE:

1. Select a piece of wood 3"x3"x6"". Find and mark the centers at both ends.
2. Place a 4-prong drive center in the headstock and a 60-degree revolving cone center in the tailstock. Place the block of wood between centers and, using a 3/4" ROUGHING GOUGE, turn round at approximately 2000 rpm.
3. Square the end closest to the tailstock, using a 3/16" PARTING TOOL.
4. Turn a tenon at the end closest to the tailstock, 1/4" long x 1 3/4" in diameter (could be different depending on the chuck you are using).
5. Remove the 4-prong drive center, screw on the chuck, and place the block of wood in the chuck.
6. Drill a 3/8" or 5/8" hole approximately 4 1/2" in depth.
7. Begin shaping your vase.
8. Once you are satisfied with the profile, begin sanding using 80, 120, 220, 400, and 600 grit sandpaper.
9. Finish the vase with lacquer and wax finish.
10. Remove the vase from the chuck and turn it around.
11. Remove the chuck and replace it with a DRILL CHUCK. Insert the appropriate DRILL BIT, wrap painter's tape around the bit and place the vase on the bit. Bring the tailstock for support.
12. Finish the bottom of the vase turning a slight concave on the bottom so the vase sets level.
13. Before removing the entire tenon, finish the bottom of the vase.

TOOLS NEEDED:

Dust mask/respirator	Face shield/protective glasses.
3/8" Fingernail Spindle Gouge	3/4" Roughing Gouge
3/16" Parting tool	1/16" Parting tool
1/8" Drill Bit	3/8" or 5/8" Drill Bit
Drill Chuck	Hand Drill
Easywood Midsize Hollower #1	Chuck w/50mm & pin jaws
Dremel w/wood cutting disc (or coping saw)	Ruler
Pencil	Outside calipers
Digital Calipers	

MATERIAL NEEDED:

3"x3"x6" block of wood	2"x2"x3" block of wood
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1"x1"x4" block of wood

$\frac{3}{4}$ "x4 $\frac{1}{2}$ " dowel rod (for sanding inside flower)

Wax

Paper towels

Sandpaper (80, 120, 220, 400, 600 grit)

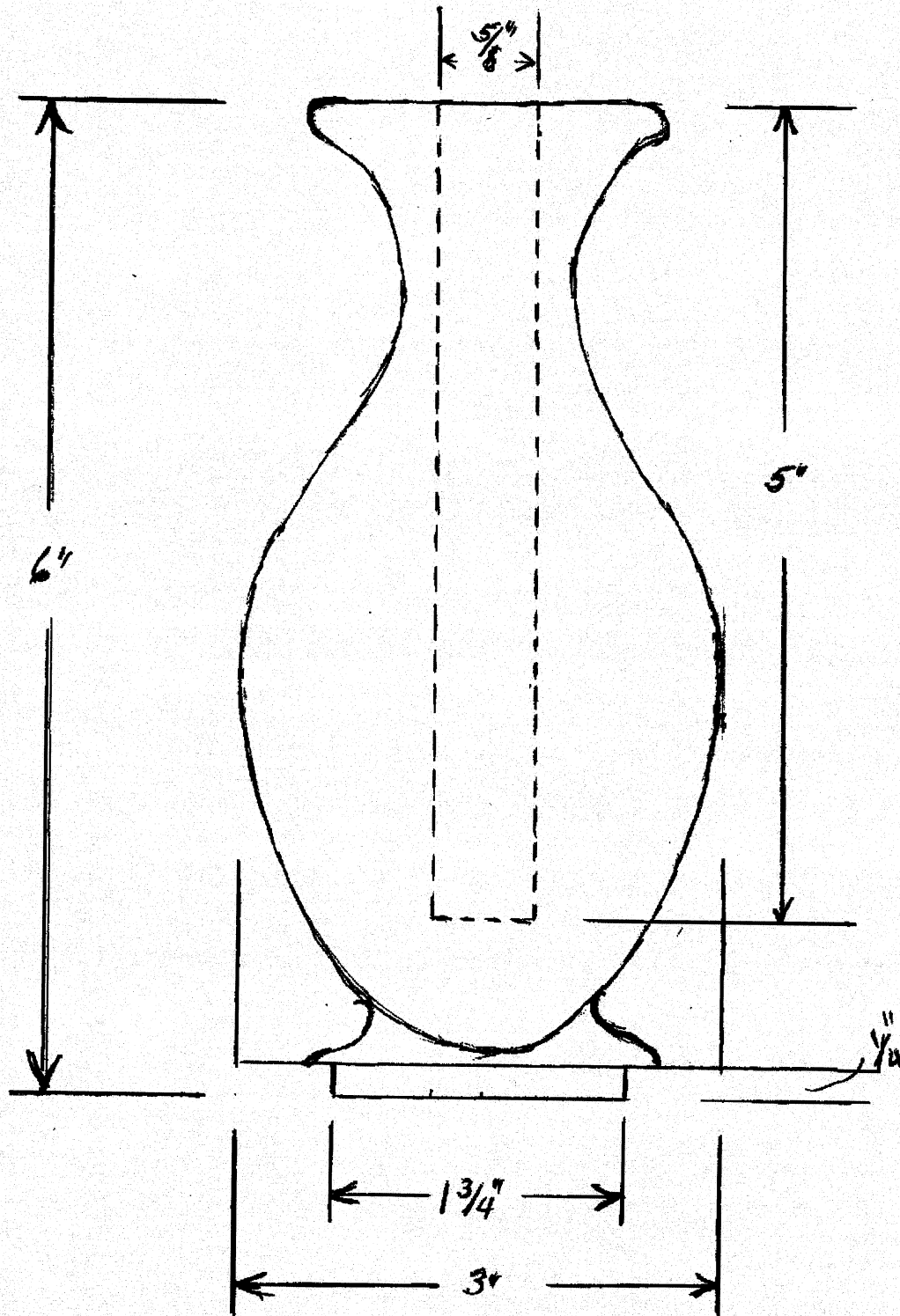
$\frac{1}{8}$ " x 8" dowel

Lacquer finish

Green dye.

Titebond wood glue

Bud Vase



Tulip

