

Three winged box

Wood:

- 4" square cube for body
- 2" diameter x 4-5" long wood for top

Tools:

- Roughing gouge
- Bowl gouge
- Spindle gouge
- Parting tool
- Hollowing tools
- Calipers
- Revolving Live Center

Turning the Box:

Mount the 4" cube of wood into head spindle of the headstock and the Revolving Live Center with the tip removed. Before you tighten, make sure the corners are lined up by putting a pencil or another object on the toolrest and spin the wood by hand. Adjust the wood accordingly. Tighten the tailstock and quill as tight as you can.

Bring the toolrest up towards the tailstock and spin the wood by hand to make sure the wood will spin without hitting the toolrest.

Start turning the bottom of the box. You will need to make a tenon. Finish shaping the box. You will be cutting up to the points of the box closest to the headstock. After all this is done, you will need to remove more material at the bottom so it will fit into the chuck. Do not remove the extra material until your box is shaped the way you want it because you will need this material for stability.

Turn your box around and put it into the chuck. Make sure it is seated in the chuck properly. Start cutting down the wings of the box on the inside. The wings should be about $\frac{1}{4}$ ". Cut down and straight across.

Drill a hole in the top of the box to the desired depth. Cut the opening of the box a little larger. You will need to have a lip in the hole in the top of the box so that when you turn the box around, you can mount it in the chuck. Hollow out the box. Remove from chuck.

Turning the Finial:

Mount the block of wood between centers. Turn it round. Make a tenon the size of the hole in your box. Keep your calipers set to that measurement. After you have made the tenon, turn the wood around and put the tenon in the chuck. Turn your finial to the size and shape you desire, leaving about $\frac{1}{2}$ " near the chuck. After your finial is like you want it, take your parting tool and calipers and cut down into the wood the size you need to fit in your box. Below that, closest to the chuck, part the finial off.

There are several steps and some precise measuring not completely written out in these directions but we will cover it in making the box.

Thank you for giving me this opportunity!

Scarlette Rouse