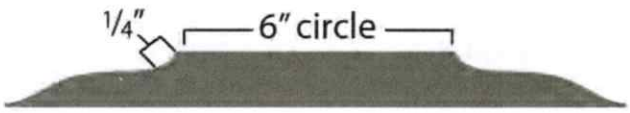
II. Turning the Foot and Base of the 6" Multi-axis Platter

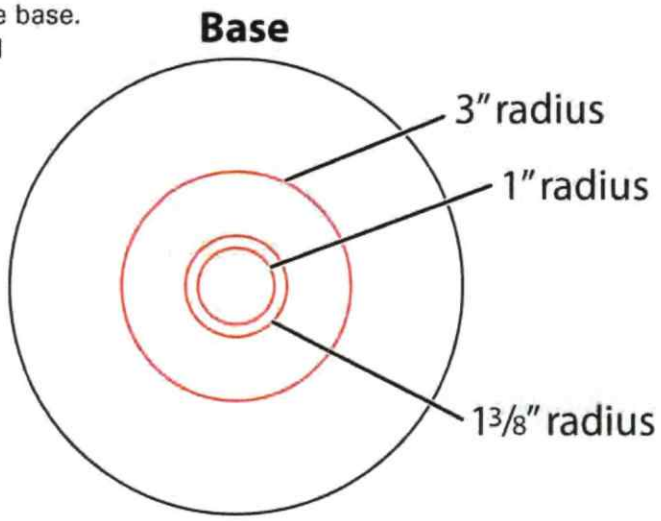
1. Draw a 3" radius circle on the base. This will be the 6" circle around the foot of the platter.
2. Turn the shape of the rest of the base from the 3" radius circle to the edge of the blank. I like to create a slight ogee near the edge of the blank, leaving the 6" circle 3/8" proud of the base.

NOTE: On platters larger than 11", I turn and detail the rim on the front of the platter while it is still mounted on the woodworm screw. If the back of the platter is completed before the rim is completed, the resulting thinness of the rim makes it difficult to detail it.



III. Turning the Base of the 6" Multi-axis Platter

1. Draw a 1" radius circle and a 1 3/8" radius circle on the base.
2. Turn a channel 1/4" deep between the 1"radius and 1 3/8" radius circles. This will be used for expansion chucking the blank when turning the front of the platter. It is important that the sides of the recess are straight for expansion chucking if using straight jaws or dovetailed if using dovetail jaws.
3. Remount the platter blank in hole #1 in the front of the platter.
4. With a live center in the tailstock, mark a new center on the base.
5. With a compass draw a 1 5/8" and 2" radius circles around this new center.
6. Turn a channel 1/4" deep between these chircles
7. The new channel should coincide with the first channel where they overlap.
8. Repeat steps 4-7 with holes 2 and 3.
9. When completed turning the channels for holes 1, 2 and 3, remount the blank in the primary center hole.
10. Take a light cut from the edge of the foot to the center so that the platter will be sitting only on the outer edge of the foot.
11. Refine the shape of the platter base.
12. While the platter is remounted in the center hole, lower the depth of the center recess by 3/16".
13. It is essential that the center channel be at least 3/16" lower than the rest of the multi-axis channels. The three points on the 6"base are not big enough to withstand the pressure of the expanded chuck jaws.
14. Sand the recess foot and base of the platter to 320 grit.



Multi-axis base