

Out-Of-Round Bowl Fix

by Kevin Neelley

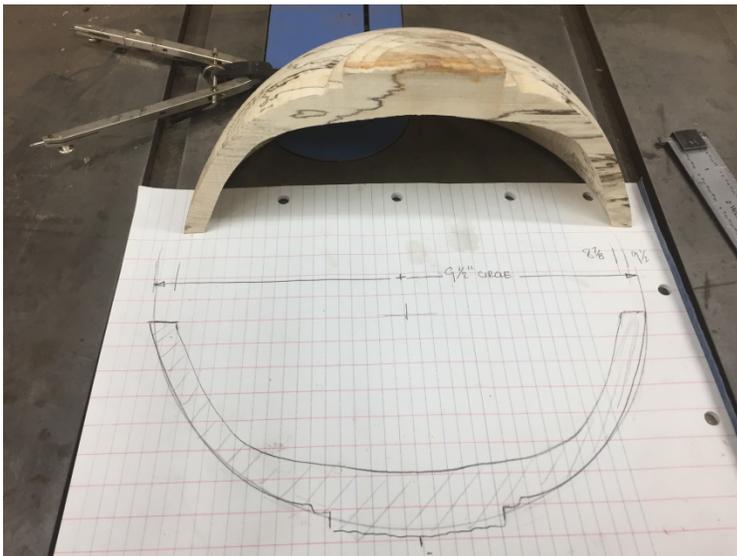


Several months ago, our KC Woodturners club had a meeting demonstration about how to take wood from log to lathe. The log turned out to be spalted hackberry. The lathe part went well but the blank was turned a little too thin and we forgot to properly store the blank in shavings.

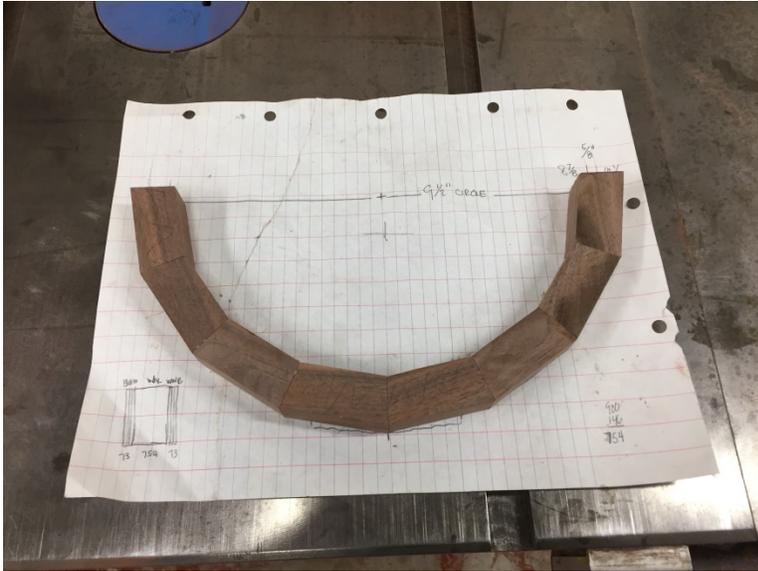
A month later we found the blank. The wood was beautifully spalted hackberry. Unfortunately, the blank was so out-of-round that it couldn't be turned without cutting through the sides. The blank lip was $\frac{3}{4}$ " out-of round and the wall thickness was $\frac{3}{8}$ ". I decided to try to save the blank. Here is how I did it.



The hackberry blank was cut into halves on a bandsaw, through the long side of the blank. The rough cut surface was flattened on a belt sander.



The bowl half was laid on paper and the wall outline was drawn. A compass was used to find the best diameter and wall thickness for the segment ring, which for this bowl was 9-1/2" diameter x 1" wide.



The hackberry blank was $\frac{3}{4}$ " out-of-round at the lip so a $\frac{3}{4}$ " thick walnut segmented half-ring was made. Walnut was chosen for good contrast to the spalted hackberry. The half ring was test-fitted the to the paper outline. The hackberry blank was measured to be only $\frac{1}{2}$ " out-of-round halfway down toward the base, so to take this into account, I tapered the segmented half-ring $\frac{1}{2}$ " thick about halfway down.



A little bit of veneer was glued to the segmented half-ring to dress it up. The hackberry blank halves and segmented half-ring were glued together.



Photo showing the bottom of the glued up bowl.



The bowl was glued to a faceplate with waste blocks and turned on a Vicmarc wood lathe.



The bowl was successfully saved.

