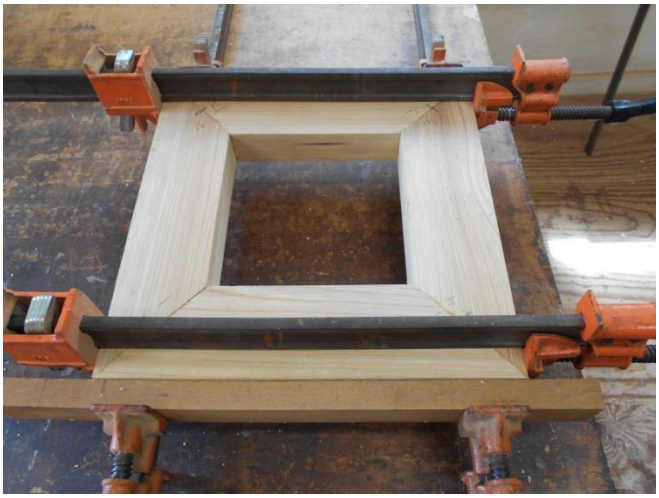
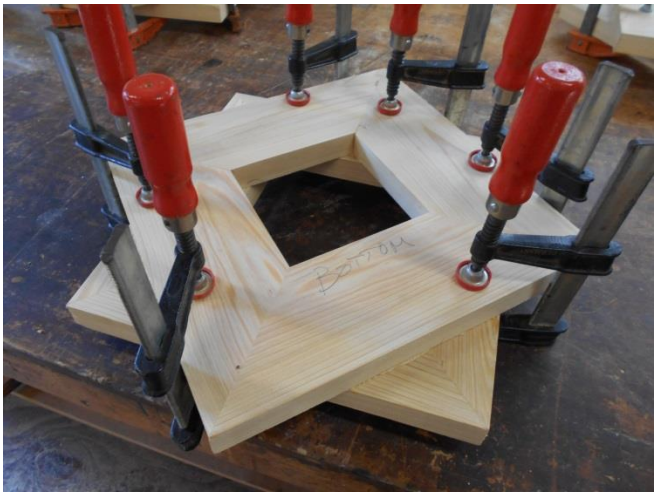
Face Work on the Lathe, and It's Not a Bowl

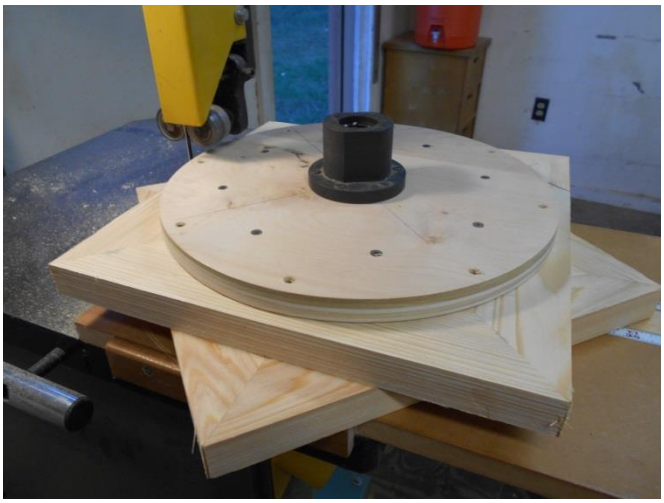
I often get called upon, by furniture repair shops, to duplicate parts (chair legs, finials, etc.) In this case the parts to be duplicated are the base sections of three columns on an old building in the Clinton area.
Not furniture but an enjoyable task none the less.

Here's the original covered in almost 100 years of paint. Measurments are taken and parts are cut. It's basically 3 frames stacked one on top the other. Each of the 3 frames are made individually. Two of the frames are then laminated together to be turned on the lathe, the third is left square.

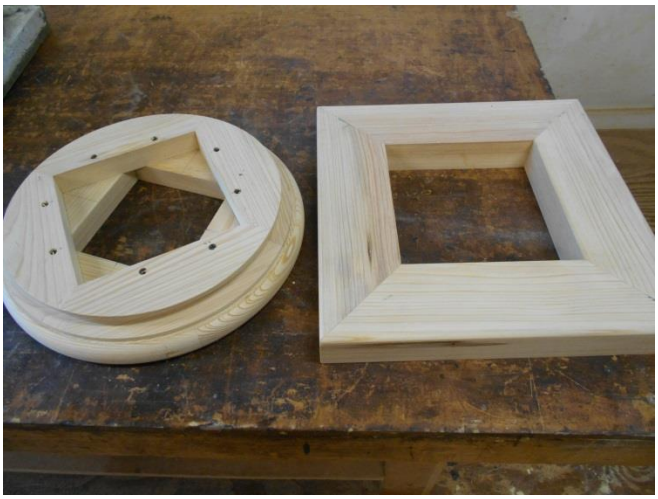




The lathe faceplate is attached to a piece of ¾" plywood. The workpiece is attached and cut on the band saw using the circle cutting jig. Doing it this way prevents me having to remove and re-attach the workpiece from the faceplate, thereby maintaining the same true center from band saw to lathe. With it mounted on the lathe you can see the small hole in the center of the square block which is attached to the faceplate. That is the pivot hole for the band saw circle jig.



The last two photographs show the turned part and the square bottom.Notice that none of the miter joints fall on top of another in "bricklaid" fashion. All done, three new ones next to their ancestor. Hope they last as long as "Grandpa" did.



By the way… the originals were just nailed together with square nails and made of cypress so I had to make the duplicates of cypress as well but relied on glue and screws rather than nails.
Considering that half of the cutting action on the lathe was uphill in relation to the grain, I was pleasantly surprised that I didn't get any tearout. It's amasing what a sharp gouge can do.