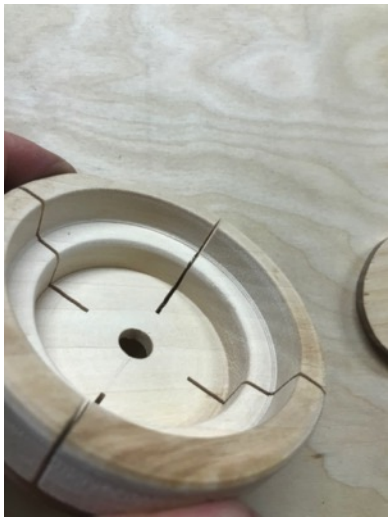
Emergency wooden holder.

So you have just made an outer rim for an insert clock face, which was mounted on a jam chuck to remove the tenon and finish the back. While sanding and buffing the back (the front was already finished and buffed) it flies off the jam chuck and damages the front face. No chance to fix it using the jam chuck. No way to hold it without damaging the outer rim… What do?

Make a wooden holder that can contract on the outer rim and run true.

I started out with a 5” square waste block of maple a little more than an inch thick… attached a 2” ring face to the back, mounted it on a chuck and turned a 100mm dovetail tenon on the front… The block was then reversed and held in 100mm jaws to hollow it out so that there was an inner depression to insert a pushing block, an internal gallery to square up the clock face and then a holder section with straight sides the diameter of the clock face. Then it was off to the band saw to cut some saw kerfs as seen in the photos below. Note that the bottom was about 6mm thick and had a 10mm hole in the bottom to be able to push out the face if it happened get stuck.



Now that all is needed is to align the wooden holder back in the 100mm jaws (note the jaw numbers written on the second photo), push in the clock face and tighten the jaws. It is now possible to repair the damage to the face and refinish.

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