

ONE GOOD TURN

Meetings: Dan Hershberger Shop

Winter Months Second Saturday 12:30

October Meeting

Greg Yeager gave the demonstration at the October meeting of the Great Falls Woodturners. His demonstration was on open segmented turning.

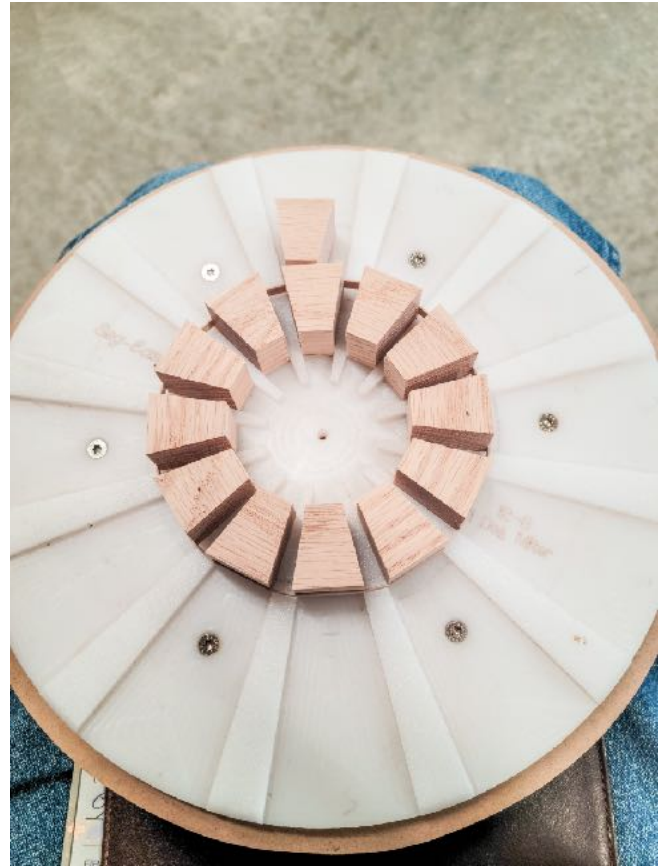


He had gotten information and a jig to help with alignment from the website Segeasy.com. He said Segeasy has a lot of good

information under the "Free Downloads" section. There are also many online resources to be found by doing a search for "open segmented turning."

Greg had purchased some jigs from Segeasy. One of these was a Wedgie jig to help with cutting pieces of wood for the segmented turning. He recommends using a spacer and some picks to hold the wooden pieces when cutting them, to keep your fingers well away from any moving blades. He found that segments one inch wide worked best for him. It's very important that all segments are the same width.

Greg also purchased a couple of Open-Segment Segeasy Plates, which are flat round plastic faceplate segmenting jigs to help align and hold



segments for gluing. The pieces are arranged evenly in a circle with space in between each segment. A bit of glue on the top of each piece and a rubber band to hold all pieces against and in the jig and not falling out, and now that layer could be glued to the previous layer of the piece.

Greg does the gluing of each successive layer on the lathe, using a floating centerpin to hold the Segeasy faceplate with segments for the glue up.



Greg recommends the glue bottle tops from Rockler which have a very fine tip for applying glue. Once one ring is glued onto the piece and the glue has hardened, it is very important to sand that new layer, across the top of the ring and in between each segment, before the next layer is glued on.

open segmented turning takes a lighter hand. If too much glue is used, it takes a lot of patience to clean up all the spaces in the open segmented piece where glue squeezed out of joints. (However, too light of a hand with the glue can result in the piece flying apart on the lathe. Greg said he only made that mistake once.)



To remove glue squeeze out, Greg recommends several different tools. He uses a small flat tipped screwdriver, small triangular files (chainsaw blade



While solid segmented turning benefits from a lot of glue,

files work well for this) and a pick. If the files get gummed up with glue, they can easily be cleaned with a brash brush and some hot water.

He said he disagrees with sources who recommend using a pipe cleaner dampened with water to remove glue squeeze out while it has not yet hardened. He found some of the water on the damp pipe cleaner would wick into the joints and weaken the glue joint.

Once the glue has hardened enough that the segments will not fall off, he can remove the Segeasy faceplate jig, put a flat faceplate on the lathe, and use that to hold the segmented bowl together while the glue of the newest layer hardens. During that time, he can use the Segeasy faceplate jig to load up the next ring of segments.

Once all layers have been glued up and allowed time for the glue to dry, it is time to turn the bowl. Greg said that this is



not the time to be an aggressive turner. He recommends at most 1000 rpm on the lathe. When he is turning these bowls, he turns the inside of the bowl first, and then the outside.

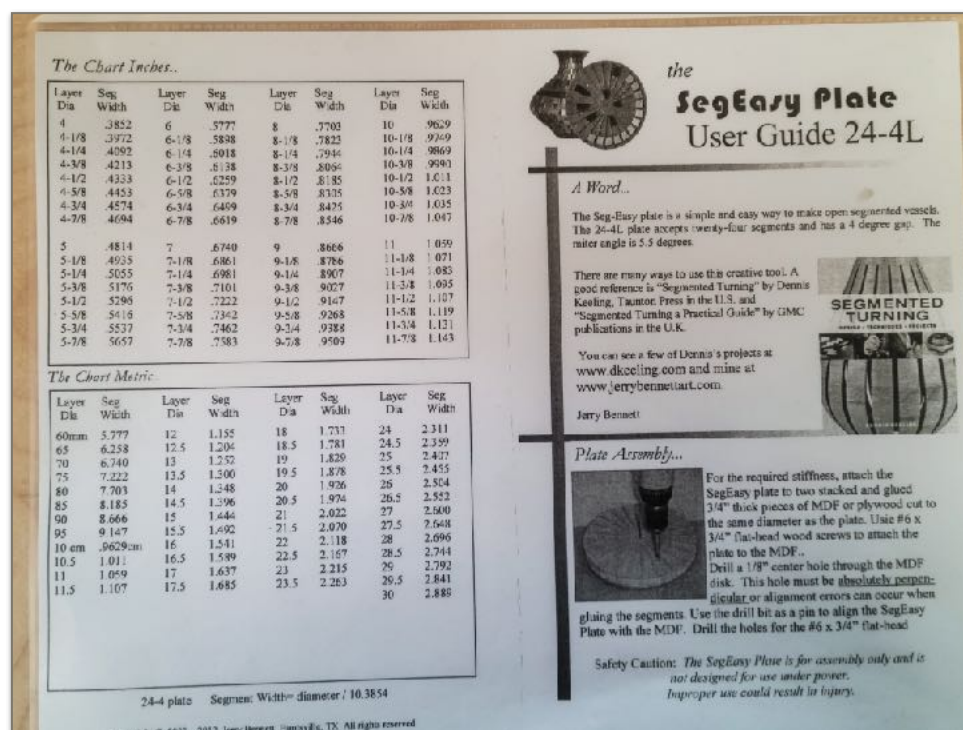
He would be happy to loan his faceplate segmenting jigs to anyone in the club who is interested in trying this for themselves.

Greg said one use of these open segmented bowls is they make a nice fruit bowl.

Greg showed us a few very nice pieces he had already made with this jig. One piece was made out of pine, but between the open segmenting, finish, and nice shape of the piece, it looked like something much fancier than pine. Another was made with two different colors of wood and was very striking.

Greg uses laser cut stainless steel inserts with his name on them for the bottom of his bowls. There was a bit of discussion about using that instead of a turner trying to write or engrave their name freehand on a bowl.

On a side note, most crafters are their own worst critics.



Greg claimed he could see hardened glue squeeze out all over his pine piece. I had to look closely to see any of that.



Next Meeting

The next meeting will be Sat. Nov 11 at the Hersberger shop. Tom Krajacich will give the demonstration.

Instant Gallery



Unknown



Unknown



Greg Yeager



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Upcoming Meeting

Saturday December 9 - Christmas gathering. Bring a small exchange gift.



Greg Yeager

Thanks

To Camille Good and Paul Snyder for contributing to this months newsletter.

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