



Contains December 2021 Minutes

January 2022

**BUCKEYE WOODWORKERS AND WOODTURNERS
December 18th, 2021**

Anyone wishing to submit pictures for the newsletter please send them to the editor within two days of the meeting

*******Note*******

**Buckeye Woodturners Meeting
Northwest Family Rec Center
1730 Shatto Ave.
Akron, OH 4431
& ZOOM Video
December 18, 2021**

*Respectfully submitted,
Mark Stransky*

The December 18, 2021 meeting of the Buckeye Woodworkers and Woodturners was held at the Northwest Family Recreation Center in Akron, Ohio. There were more than 40 members signed in for the meeting. There also were three visitors and three new members at today's meeting. Today's demonstrator is George Raeder. George will be demonstrating how he makes his jewelry box and earring holder. George Barlow was today's host and welcomed all to today's meeting. George recognized the members of the Executive Board to thank them for their service this year.

George also announced that Dirk Falther will



demonstrate making his heart bowl at the January meeting. Dirk Falther presented George Barlow with a thank you card and gift for being this year's president and leading the club through a difficult year that dealt with both the pandemic and the relocation of the club's meeting location. All will agree that George did an excellent job with handling these challenges.



The BWWT Newsletter "Did You Read It" challenge is still going on. This month's winner was Bob Stone. He will receive a \$20 Hartville Hardware gift card as a prize. There were 14 members who read the newsletter and responded to Mark Stransky with the key word. That is one more than the previous month, but still a little light, so most of you are missing out on a chance at a \$20 Hartville Hardware gift card. As a recap, this is how it works: the first dues paying member to see a keyword buried somewhere in the newsletter and emails back to Mark Stransky that they have found it and where in the newsletter it was, will win a Hartville Hardware gift card. The new keyword for this newsletter is "chick". Please keep in mind that the keyword used in the previous sentence doesn't count as a winning entry.

Dirk Falther reminded all members that it is time to pay dues for 2022.

Jack Boggio is leading the effort to put together a handbook for all members. Please see Marshall and Brent during today's meeting to have your picture taken for the handbook or to opt out of this program. The handbook should be available in the coming Spring and will be updated periodically to keep everyone up to date.

During the break, the Show and Tell table winner was Doug Aichholz. The monthly nametag winner was Kevin Dalton. Each will receive a \$20 Hartville Hardware gift card.

Chuck Marsh again did a good job getting all of the pictures of member's work on the show and table and thanks go to Darrell Dube for getting the pictures on the website. The pictures can be viewed on the website with the link www.bwwt.us/dec-2021.html. Thanks again go to Bob Stone for all of the pictures he takes during the meeting.

Lidded Earring Tree Box Demo
George Raeder
December 18, 2021

Respectfully submitted,
Mark Stransky

George's demonstration for today was to show how he makes his lidded earring tree box. His box is made up of four pieces; the box body with holes along the perimeter of the rim, a separate base, a lid and a finial. The approximate blank sizes he used today are 8/4 x 7 1/2" diameter (box body), 8/4 x 3 1/2" diameter (base), 1" x 5" diameter (lid), and 7/8" square x 5" (finial). George drilled the holes in the perimeter of the box body before the demonstration. All the pieces today were cherry.

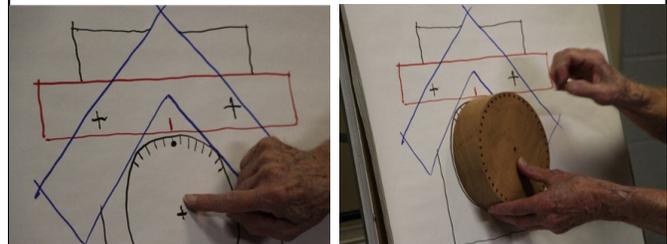


George drilled the holes in the perimeter of the box body before the demonstration. All the pieces today were cherry.

The process for making the box body is to first mount the blank on a screw chuck and turn the blank round. When that was done, he wrapped a strip of paper about 24" long that was marked off with lines every 1/2" around the blank. In order to accurately space the holes around the rim, the lines toward the end of the paper should line up with the first line on the paper. It isn't likely that the lines will be aligned on the first try, so it will be necessary to reduce the diameter of the blank in small amounts until the lines meet. The next step is to mark the edge of blank at each 1/2" mark.



After the blank is marked, it is time to drill the holes. All the holes are 3/16" diameter and located about 3/16" from the edge of the blank. To accurately locate the holes, George set up a jig on his drill press table. The jig consists of a right-angle piece (blue in the image below) and a straight piece (red in the image below) clamped to the drill press table. The straight piece should be taller than the blank to be drilled so that it is easy to see the index mark where the blank will be drilled. The jig should be adjusted so that the first hole lines up with the drill bit. After the jig is located, each hole is drilled, the piece rotated to line up with the mark on the jig, and then the next hole drilled. George uses a brad point bit to drill the holes because there is less drift while drilling and the brad point bit leaves a cleaner hole.



During the demonstration George shared some of his tips and shortcuts. For the first tip, he showed one of his gages that he has made for each of his chuck jaws that gives him the correct measurements for expanding into a recess and clamping onto a tenon. During the demonstration he showed how he uses the gage to size his tenons and recesses.



One of his other tips was to use a piece of PVC pipe to locate his tool rest at a consistent height. This is a great timesaver as he doesn't have to reset the height each time he moves the tool rest. George has several different lengths of these pipes to meet his needs.



Once the box base was trued up and had the holes drilled, it was time to start turning. George started with the lid for the box. He mounted the blank on a screw chuck and then trued up the diameter. He next used his tenon gage to set the size of the tenon and then cut it close to size. He used a dovetail scraper to finish sizing the tenon with an undercut for a better grip in the chuck.



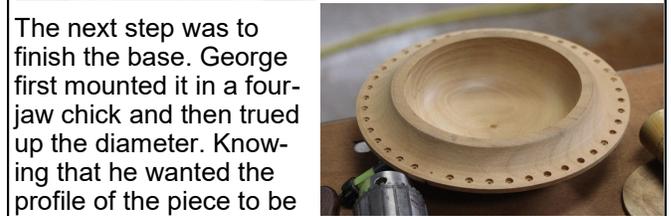
The next step was to start the work on the base. He again mounted the blank on a screw chuck and instead of cutting a tenon, he made a recess in what would become the bottom of the base. He added some decorative rings to the recess to dress it up a little bit and to give him a place to sign the piece. He finished up this step by truing up the lower half of the base.



Next up was the box body. He started out by cutting a recess in what would become the bottom of the box similar to what he put in the base. After he was satisfied with the recess, he used a bowl gouge to round off the outside of the box up to where the bottom of the rim would be. For this piece, he wanted the rim about 1/2" from the top surface of the box.



After the outside of the box was done, he moved to hollowing out the inside. He mounted the box on a four jaw chuck and then measured the lid diameter so he would have an idea of how far to hollow the diameter. He used a parting tool to set the approximate size of the hollowing and also to make it a little easier to cut the inside of the box. He periodically checked the depth of the box to get the wall thickness to about 3/16" at the bottom of the box. After the hollowing was done, he cut the shape of the rim.



The next step was to finish the base. George first mounted it in a four-jaw chuck and then trued up the diameter. Knowing that he wanted the profile of the piece to be concave, he used a parting tool to set the limits of the curves. He then used a spindle gouge to cut two different curves on the base that were tangent in the middle. He next put a chamfer on the bottom edge. He next put a flatter chamfer on the top where the base would meet the box bottom. He carefully cut this chamfer so the small diameter of the chamfer was close to the diameter of the flat on the bottom of the box. He next cut a tenon on the top surface of the base that would fit into the recess on the bottom of the box. After that was done, he fit the base tenon into the box bottom recess.





After the base was complete, it was time to move on to the lid. He again mounted the lid in the four-jaw chuck and flattened the outer edge of the bottom of the lid. He then measured the opening in the box and transferred that measurement to the bottom of the lid and used a parting tool to size the recess where the lid would fit to the box. George cautioned that this fit should be slightly loose as this was a side grain turning and the fit of the lid would fluctuate with changes in humidity. He next used a parting tool to set the diameter of the hollowing on the lid and then hollowed it out with a bowl gouge. He did leave a slight dimple in the middle of the inside to accommodate the hole for the finial. He finished up the inside by using his dovetail scraper to cut a slight flat on the inside of the lid so that it could be mounted in a chuck.



After the inside of the lid was done, George flipped it over and mounted it in the chuck so that he could cut the outside of the lid. He used a bowl gouge for this and demonstrated both a shear scraping cut and a push cut. After the outside was done, he drilled a 3/16" hole about 1/4" deep in the top of the lid for the finial.



The last piece to make is the finial. George mounted the blank in a chuck with long nose jaws and then used a spindle roughing gouge to take off the corners and start to turn down the piece. He tapered the end of the piece and then added different details down the length. He used a spindle gouge for much of the detail, but in areas that he wanted to have finer details, he used a Cindy Drozda style "Vortex" tool for that work. His final cut before parting the finial off was to put an undercut where the finial would meet the lid so that there was a good fit.



George mentioned that depending on the quality of the surface after turning, he usually starts sanding at 150 grit to 220 grit and sands up through 400 grit. The finish that he usually uses is four coats of a gel polyurethane. He did say that if there are very fine details on the piece, it might be advantageous to use a lacquer finish or something similar. George's demonstration this month was excellent for anyone who is thinking about taking the next step in making a different style of box. Be sure to see the video on the BWWT website to get all the intricate details.



ARTICLE SUBMISSIONS

If any member has an article they would like to include in the newsletter, don't hesitate to send it to either [Mark Stransky](#) or [Keith Bellamy](#) and it will appear in the next newsletter.

SAFETY NOTE

Be sure to use proper safety equipment including eye, hearing and breathing protection whenever you are working on projects in your workshop. Make sure that you fully understand and follow the safe operating procedures for every piece of equipment that you use.

ONE FINAL THOUGHT – JUST FOR THE HECK OF IT

It's frustrating when you know all the answers, but nobody bothers you to ask the questions.

Calendar of Events

**PLEASE NOTE
BWWT MEETINGS ARE HELD ON
THE SECOND SATURDAY OF EACH
MONTH BEGINNING AT 9:00AM**

BWWT Library Online Guide brought to you by the BWWT Club Librarians, Dirk Falther and Bob Hasenyager.

The online guide lists the books and videos that are available in our club library along with descriptions on the subject matter and other useful information. Follow the link below to check it out.

<http://uh.cx/uVS1S>

BWWT OFFICERS FOR 2021



President
George Barlow
330-277-6055
gwbjr80@gmail.com



Vice President
Marshall Holmes
330-309-1212
mlholmes@neo.rr.com



Secretary
Mark Stransky
330-283-1375
mastran@neo.rr.com



Treasurer /Member Admin.
Dirk Falther
330-310-4570
dfalther3@att.net



Librarian
Bob Hasenyager
330-608-7725
bobhasenyager@gmail.com



Newsletter Editor
Keith Bellamy
330-221-2845
akbellamy@gmail.com



Club Advisor
Jack Boggio
330-696-0791
jkbogi@twc.com



Past President
Brent Wells
330-606-6724
thegrumpywoodchuck@gmail.com