

JUNE 4, 2025

VOLUME 2 NUMBER 12



Tom Kenny







**Clockwise from top left:** 16" x 5" cherry bowl; Hard maple and white oak urn, pyrographed and dyed; Mahogany, maple, black veneer, and walnut vase; 4 axis birdhouse made of live oak and Texas persimmon; Maple bowl with ebony rim.

ewoodt

Sandi Swayze



## Your art belongs in our newsletter! Email hi-res images to editor@worldwidewoodturners.org. Include a brief description and make sure you identify yourself!







Jon Moore



Dale Slaughter



Jayson Cote



Al Dawson

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#### WORLDWIDEWOODTURNERS.ORG



Patrick Hoggard



Scott Medori

**Facing page, clockwise from top left:** Cherry bowl; Silver maple charcuterie board; Cherry burl on walnut pedestal; Lighthouse. **This page, clockwise from top left:** Walnut and Osage orange vessel; Basket carved from bradford pear, handle carved from purple heart; 3D printed sanding pad holders; Maple burl bowl.





Gerard Dubois

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# **Hollowing Camera Idea**



## "On the Cheap"

## By Tim Hatch

I was asked recently to make an urn for my neighbor's dog that had to be put down due to cancer. I selected a nice eucalyptus burl and cast it in resin in my pressure pot, then put it on the lathe and began shaping it, drilling it and then hollowing it with my Trent Bosch

Stabilizer System.



Due to the size, shape and depth of the piece I began to worry about wall thickness and how I was going to avoid

going through the side or bottom of the piece.

We at Worldwidewoodturners.org have had a couple conversations and demonstrations of how to complete this project in the past, and a camera based visualization system has been discussed. I had even purchased one of the small 12-volt cameras and had an old power supply hanging around my shop. I also had an old 21-inch TV that has an AVI adapter plug in the back so I figured I could make it happen when the time came.

The time had come to put these components together, and build that system, but I was having a bit of brain fog and needed some help and ideas.

In true self-taught wood turner fashion, I went on to YouTube and searched for how to make a Hollowing System Camera like the kind Trent Bosch sells for around \$750 Bucks, but "on the cheap". I came across a new to me Wood Turner on YouTube who



goes by the handle of "Tony Turns Wood". He has a system called the "Poor Man's Visualizer". Tony even gives you a parts list of all the components he uses to put his system together.

It's "Ranger proof," just what an old Grunt like me needs.

Here's a link to the video of how Tony puts his visualizer together, with step-by-step instructions and a parts list: https://www.youtube.com/watch? v=qSthIZCROYg&lc=UgxwDvnFnQDfMjPnRyh4AaABA g.AHkd2NFpLfAAI1HLmIMb5o

My set up was super simple: I had already purchased the base from Trent Bosch, the 15MM rods and right-angle connector from Amazon, and used 5-minute epoxy to mount my camera to what was going to be my upper support rod. I then connected a 12" AVI cable to the back of the TV, and the other end to the camera that I had mounted on the 15MM upper rod and my power supply. I then mounted this to the base of my Stabilizer and I was in business.

To mark the tip of the tool I am ,using I just use a dry erase marker on my TV screen (you can use a sheet of plastic or plexiglass if you don't want to draw on your screen). Trace the tool tip, and part of the shaft, so you know where exactly the tool is in the hollow form.

I use a homemade gauge to measure the wall thickness I want and draw a line around the tip of the tool at that distance. For this urn, I used a  $3/16^{\text{th}''}$  wall thickness.

Once your thickness is set, all you have to do is start

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hollowing until you get the desired depth and thickness.

Hollowing is now a breeze! I can see exactly where my tool is in the hollow form, and I can get the exact wall thickness I want.

Changing tool profiles and outlines is just a matter of wiping away the outline of the old tool and retracing the new one when I swap things out from a strait bar to a curved tool.

A Special Shout out to Tony from Tony Turns Wood for the ideas from his channel for this build. I hope this will help someone build a tool of their own in their shop. Please go to his YouTube Channel and check out his work when you get a chance.





World Wide Woodturners meets via Zoom every Wednesday at 7:00 PM EST. Simply go to worldwidewoodturners.org and click the button that says, "Click to go to meeting." If you have Zoom installed on your device, it will open automatically, otherwise, you will join via your browser.



Jim Duxbury



Bill Louch



Gonzalo DeLa Cruz

**Above top:** Trisecting spheres. **Middle:** Walnut live edge bowl. **Botttom:** Oak bowl.

# **Third Hand**



## By Howard Johnson

Occasionally, a third hand is needed off lathe for sanding, embellishment and/or carving.

This article gives assembly instructions for a third hand (drawing 1). This device allows the craftsman to manipulate a piece of work off lathe, which makes manipulating the piece much easier. The cost to fabricate the device is around \$50.00.

Material:

Base – Wood, 1" (min) x 12" x 12" Coarse (20 tpi) Threaded rod,  $\frac{1}{2}$ " dia. x 24" long Hex nut,  $\frac{1}{2}$ " coarse (20 tpi) thread – 8 each Hex nut,  $\frac{3}{4}$ " coarse (10 tpi) – 2 each Washer, split,  $\frac{1}{2}$ " – 2 each Washer, flat metal,  $\frac{1}{2}$ " – 2 each Washer, flat plastic,  $\frac{3}{4}$ " – 2 each Set screw or hex bolt,  $\frac{1}{4}$ " coarse (20 tpi) thread x  $\frac{1}{2}$ " long – 1 each



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Bolt, hex head, 1/4" coarse (20 tpi) x 1 1/4" long – one each Bolt, hex head,  $\frac{34''}{4}$  coarse (10 tpi) x 3'' long – 1 each

Spindle adapter, 3/4" 10 tpi x 1" 8 tpi

## Preparation (drawing 2): Note - numbers



in parenthesis below **Picture 1** refer to the part in drawing 2. 1. Drill the threads out

of 2 of the  $\frac{1}{2}$ " hex nuts. 2. Weld the dethreaded hex nuts together with the nuts at 90 degrees to each other. (picture 1), (3) 3. Drill out the threads in one of the <sup>3</sup>/<sub>4</sub>" hex nuts.

- 4. In the center of a flat face in both  $\frac{34''}{4}$  hex nuts, drill and tap a hole for 1/4" coarse
- threads. (6,7). 5. Cut the  $\frac{1}{2}$ " threaded rod into 12" (1a) and



10'' (1b) lengths 6. Weld the flat opposite the threaded hole of de-threaded <sup>3</sup>⁄<sub>4</sub>" hex nut (7) to the end of the 10" length (1b) of threaded rod. (picture 2.)

## Height Adjuster Assembly (Refer to drawing 2)

- 1. In the middle of the base, drill a counter sink with a 1 ¼" Forstner bit or spade bit  $\frac{1}{2}$ " deep. This side of the base will be the bottom. (picture 3) 2. Drill a  $\frac{1}{2}$  hole in the
- middle of the counter sink through the base to the



top of the base (picture 4)

3. Thread a 1/2" nut (2a) and a  $\frac{1}{2}$ " metal washer on the end of the 12" length of threaded rod (1a) and insert the end of the rod below the washer through the 1/2'' hole in the top of the base. Limit the amount of rod in the bottom

**Picture 3** 

to the depth of the counter sink. (picture 5)

4. In the bottom of the base place a 1/2" metal washer around the threaded rod (1a) followed by threading a 1/2" hex nut onto the rod after the washer. (picture 6). This rod is the Height Adjuster Rod.

5.

6.



Tiahten both nuts to secure the rod to the base.

Thread a  $\frac{1}{2}$  hex nut (2b) onto the Height Adjuster rod to about the middle of the rod.

**Picture 6** 7. Slide a 1/2" split washer onto the rod to the nut (2b).

- 8. Slide the de-threaded 1/2'' welded nut assembly (3 a) down onto the split washer.
- (picture 7). 9. Thread a ½" hex nut (2c) onto the Height Adjuster rod (1a) down to the top of the welded nut (3a) and tighten snuggly. (picture 8)





### Work Arm Assembly

1. Thread a 1/2" hex nut (2e) about halfway onto the 10" threaded rod (1b) welded to 3/4" hex nut (7). 2. Follow the hex nut (2e) with a  $\frac{1}{2}''$  split washer. 3.Slide the threaded rod (1b) through the

welded de-threaded

 $\frac{1}{2}$ " hex nut (3b) to the split washer. (picture 9)

4. Thread a 1/2" hex nut (2d) onto the 10" threaded rod to the opposite side of the welded nut (3b) and tighten snuggly. (picture 9).

## Work Holder Assembly

1. Slide a <sup>3</sup>/<sub>4</sub>" plastic flat washer on to the  $\frac{3}{4}$  bolt (8) to the head of the bolt.

Continued on page 8 ...



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2. Thread the 1/4" x 1 1/4" bolt (10) into the  $\frac{1}{4}$ " threaded hole in the side of the <sup>3</sup>/<sub>4</sub>" welded hex nut (7) for 1-2 threads.





hex nut (7) up to the nut. Tighten the  $\frac{1}{4}$ " bolt (10) into the side of the hex nut (7).

(picture 10)
4. Slide a plastic flat washer onto the end of the <sup>3</sup>/<sub>4</sub>" bolt (8) to the opposite side of the welded 3/4" hex nut (7).



5. Thread the threaded 3/4" hex nut (6) onto the end of the bolt all the way to the plastic washer. (picture11) Insert the 1/4" set 6.

screw or, alternately the 1/4" diameter x 1/2" long bolt (9) into the 1/4"

threaded hole in the threaded 34" hex nut

- (6). Tighten slightly. (picture 11)
  7. Loosen the ¼" bolt (10) in the welded ¾" nut (7) to a point where it is not jamming the  $\frac{3}{4}$ " bolt.
- 8. Loosen the  $\frac{3}{4}$ " set screw or bolt (9) in the threaded  $\frac{3}{4}$ " hex screw (6) and turn this nut to adjust the spacing between the head of the bolt, the welded hex nut and the  $\frac{3}{4}$ "



threaded nut so that the bolt turns but have very little other movement. Tighten the set screw or bolt (9) in the threaded <sup>3</sup>/<sub>4</sub>" hex nut (6) onto the threaded of the  $\frac{3}{4}$ " bolt (8). 9.

Thread the spindle adapter (11) onto the end of the  $\frac{3}{4}$ " bolt (8) until the adapter bottoms out. Tighten the

adapter snuggly. (picture 12)

Do you have a tool, tip, or trick you would like to share? Email text and photos to editor@worldwidewoodturners.org.



The completed assembly is shown in picture 13

#### Operation

loosening or

tightening,

respectfully, the  $\frac{1}{2}$  bolt

(10) threaded

in the welded

<sup>3</sup>/<sub>4</sub>" nut (7).

The height of the work arm is adjusted by loosening the  $\frac{1}{2}$ " hex nut (2b or 2c) above or below the welded  $\frac{1}{2}$ " hex nut (3a) on the vertical threaded rod (1a) and sliding the work arm up or down to the desired height. The nuts (2b,2c) on the height adjustment assembly are tightened.

The work arm is adjusted in or out by loosening the  $\frac{1}{2}$  nuts (2d,2e) on the work arm and sliding the arm in or out to the desired length. Rotating the work head is done in the same way. The  $\frac{1}{2}$ " nuts (2d,2c) on the work arm are then tightened to stay the work head

The work on the work head may be rotated or stayed by

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**Bob Grinstead** shows the progression of an open segmented bowl from the floating bottom in his article in the last issue of our newsletter to the complete piece. This piece is comprised of mahogany and maple. Left is the graph showing the segment layout.

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# Level Up Coach

## **Jeff Walters**

I began my turning journey in 2010 when a friend taught me how to make a pen. I was hooked. I've make thousands of pens since then and they are still my biggest sellers. I moved into making bowls, clocks, tea lights, vases, urns and many different items that were gifts but then became items for sale at my craft shows. I retired from my regular job of 40 years in 2016 which gave me a lot more time to work in my shop. In 2022 I did my first demo for the Detroit Area Woodturners. It was for the tea lights I make and the demo was well received. Since then I have done many other demos for the Detroit Area Woodturners and 2 for the World Wide Woodturners. I've also taught turning at the Ron Campbell Woodturning Retreat. I have now moved into segmenting work and really love creating more artistic pieces. Right: An elm bowl turned by Jeff.



