



## WEST SUSSEX WOODTURNERS

### LOCKDOWN 2020 NEWSLETTER

#### EDITION 3

*An Associated Club of the AWGB*

Welcome to the 3rd Edition of the amazing fake prize winning newsletter.

I have received some articles from various club members so being an idle sod I have just copied and pasted what I have received. I am putting some of them in this Newsletter. I have had a couple of articles by Alan Wallington and Andy Heath which I am saving for next month I could do with some more if possible.

I have a Banana bowl from Colin Willetts, a pencil and resin T-light holder by Sam Crick, how to make an earring stand by Ray Thompson .

#### Banana Bowl



Drill hole for drive centre through bark



Mount between centres



Starting shaping outside



Preparing for chucking spigot



Chucking spigot



Outside sanded and polished and centre reduced to fit into chuck



Mounted in chuck



Inside turned and polished



Finished bowl

#### Additional notes:

The original Laburnum log was about 6" x 3" and very dry. Normally a split log is better but this one was already flattish on what was to be the top.

The hole drilled for the drive is an exact fit for my ring drive, other drives will work but the ring drive has the advantage of stopping it you get a catch and not ripping the wood off the lathe, especially as in this case the tail centre is not in solid wood but only into the bark.

Keep the speed up as to start with you are cutting air a lot. I started at 1000 and increased to 1300 once it was in balance.

Keep moving the tool rest as close to the wood as possible and take slow cuts.

Quite a lot of wood has to be removed from the base until you get enough to form a chucking spigot.

The waste had to be reduced in diameter so as to fit in the middle of the chuck; I kept it as I needed it to reverse turn at the end to tidy the spigot.

The outside was sanded and waxed before mounting into the chuck.

Turning the inside is straight forward although you need to be positive with the initial cuts as it is an intermittent cut.

The inside was carefully power sanded and waxed.

Why Banana Bowl? Because at an Amberley open day someone asked Ray what an oval bowl was for and he said 'I keep my banana in it' and promptly put one in!

## RESIN AND PENCIL T-LIGHT HOLDER

I found it a fairly simple process, unfortunately I don't have a pressure pot to perfectly cure the resin bubble free but the volume is mostly pencils so you don't see any resin imperfections. The process is thus:

- Collect coloured pencils (surprising how many you actually need) - I think that the hexagon shapes work best for this.
- Find a suitable plastic container (something disposable) to cast in and cut pencils to length.
- Arrange pencils in said container, and try to get a uniform tessellation (very fiddly and time consuming), leave a couple of pencils out so that the pattern is slightly loose allowing resin to get in between.
- Mix and pour two part epoxy casting resin (there are loads out there at varying prices, mine was a cheap one off ebay and was actually out of date by the time I used it but it worked just fine) Always mix the resin longer than you think you need to and then do the same again!
- Pour the resin into the mould, from height in a thin stream to avoid air bubbles, and then agitate until it fills the mould.
- Weight down and leave 24hrs to cure - I ended up leaving 48hrs as I was busy with actual work.
- I tried to de-mould by whacking it with a rubber mallet but it wasn't having any of it so I had to cut it off with a bandsaw.
- Sand top and bottom to flat and so that you are down to solid resin/pencils with no air gaps. (I had quite a big gap between where the resin ended and the top of the pencils so I cut off about 5mm before taking it to the sander.
- Turn - Apparently carbide tools are best for resin, I stuck with carbide as there were no elements of this shape so complicated or fiddly that they requires fine gouge work.

My description might make more sense with the video. <https://youtu.be/oGlaNt5ySmA>

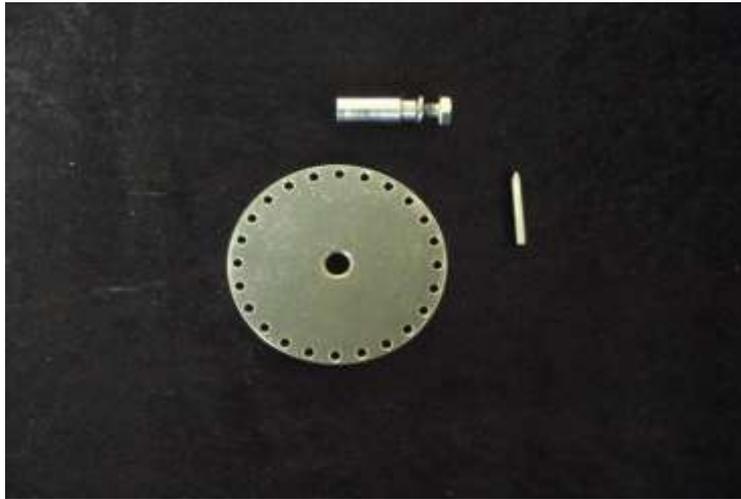


## EARRING STAND

I recently sent a few more photos to Colin to post on the WSWT website and he asked me to drop you a note to explain how I made the drill jig, shown in the pictures, for the earring stand.

I should just recap, before retiring I spent 57 years in engineering, and have a metalworking lathe and milling machine in my garage at home.

Please find a copy of the drill jig attached:



I bought a piece of mild steel plate 6mm thick x 75mm square from ebay. This I drilled an 8mm hole in the middle. I then turned a piece of round stock to 10mm diameter with an 8mm spigot on the end to fit the hole in the plate. I then drilled and tapped an M6 hole in the end to accept a bolt. I assembled the round post to the plate and mounted this in my metalworking lathe and turned the diameter to 70mm.

The assembly was now ready to drill the holes around the outside. For this I mounted a 3 jaw chuck onto a rotary table. See picture:

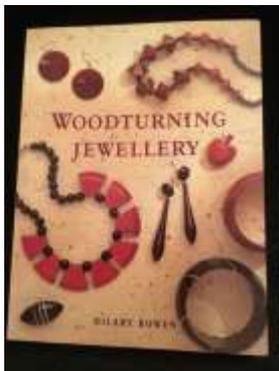


I centred this on my milling machine. I then moved the table 32.5mm to give me the radius for the holes, i.e. 65mm diameter. I then indexed the rotary table every 15° and centre drilled a small hole. When all the holes had been centred I drilled the 3mm holes on my pillar drill.

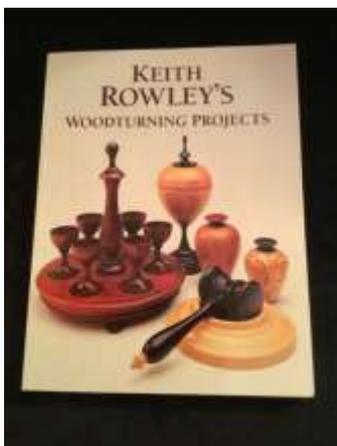
Just as an aside, here is a picture of the templates I made for the “Ring stand, Earring stand and Pen stand”.



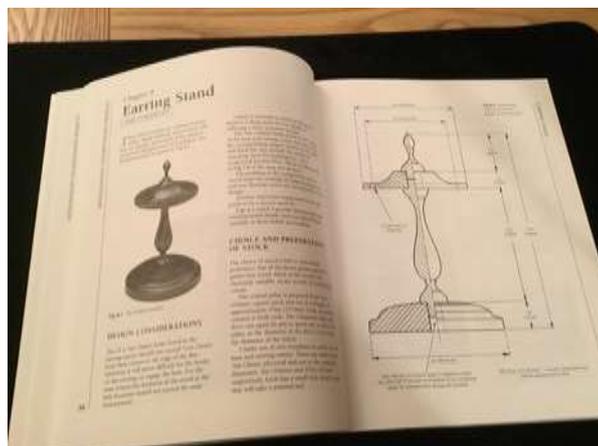
And here are a few pictures of the books I used for inspiration:



Book by Hilary Bowen



Book by Keith Rowley



## **NEXT MONTH:**

Following on from Ian's email I think it may be a possibility that there will be additional fake newsletters. If you have any articles for inclusion please let me have them. There's no reason why we couldn't do a 2<sup>nd</sup> monthly newsletter if people are willing to do the articles.

## **MEMBERS SHOW AND TELL TABLE:**

See the Club's website for examples of work done by club members.

## **DATES FOR YOUR DIARY:**

Chestnut Products are running an on line weekend series of demonstrations covering the weekend of 1<sup>st</sup> and 2<sup>nd</sup> August. Our own Stewart Furini is one of the featured demonstrators as is Emma Cook aka The Tiny Turner. More details on the Chestnut website.

Stewart may be doing another live stream next Sunday. Check his YouTube channel.