

annulus clamp so that you can hold the plate in the chuck without damage. Sand off the bottom.



NOTICES:-

Forthcoming Attraction

- Sept 4th @ 7:30 pm Hands on /members demo
Mick & Lou will be selling varieties of timber
- Oct 2nd @ 7:00 pm Richard Findley
- Nov 6th @ 7:30 pm TBA
- Dec 5th @ 7:00 pm Hands on (Christmas turning!)
- Jan 10th Sat Annual Party
- Feb 5th Hands on/MD
- Mar 5th AGM plus Mick and Lou timber sales
- Jun 4th @ 7:00 pm Steve Heeley
- July 2nd @ 7:30 pm Hands on
- Aug 6th @ 7:00 pm Mick Hanbury

Remember members who do demos will receive payment.

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**Woody's
World**
The Newsletter of



Sept

2014

The world of miniature turning

By John Berkeley

John started by making a small pill box with a screw thread. This was turned using a polyester resin blank and turned on an Axminster Hobby lathe. The lathe had been modified slightly by changing a pulley so it would run at under 400 revs.



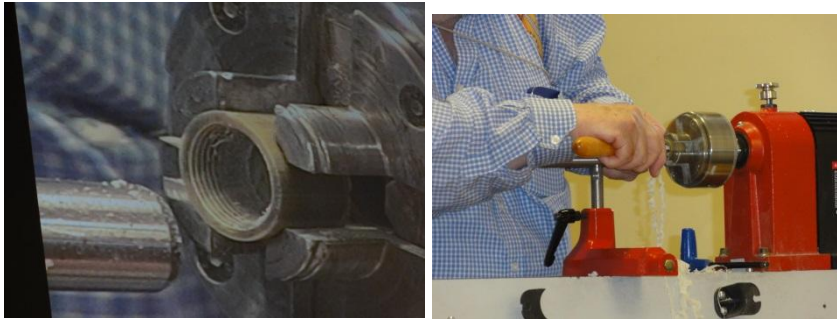
As John pointed out anything faster and it would be difficult to create a thread. The resin blank offered several advantages in that its dust was heavier than wood and also none allergenic.

A small aside here about lathes and the need to cover motors and stop dust getting into them. A piece of cardboard taped roughly over them is sufficient.



Tools for this small scale work were a small point tool and a round scraper with a bevel cut on the very end. Plus, very important in John's view, an arm rest to help the delicate control of the tools. Plus, of course, a thread chaser. A universal chaser has the top face for one thread and the bottom for the matching thread on the matching part.

Our web address- offchurchwoodturners.org.uk



Start by making the lid of the box. With the “tube” blank held in the chuck hollow out the lid. Ensure the speed is as low as possible and now drive the thread chaser into the lid. Members who have tried this will know this part is critical since all had failed to cut a thread easily. John’s technique is to apply the thread chaser about a third the way along to the leading edge of the wood. This will cut the first groove. Apply the tool firmly and at a slight angle. This initial groove will be used to make the rest of the thread. You can now gently allow the thread chaser to literally do that chase the thread, gradually cutting a depth of thread. It will be slightly tapered towards the back.

Cut the top of the box away. Its outside will be finished later.



The bottom of the box now has a matching spigot end. Remember the thread work will reduce the diam. further. This time the thread will be made using the bottom edge of the chaser. Again apply at a slight angle to get that initial cut, then let the tool do its

own thing. Keep cutting until the lid screws onto the new thread tightly. Now you hollow out the box base. Screw the lid in place and finish the outside of you small box with whatever design you wish.

First notice – Club’s Post Christmas Party is to be held on Saturday 10th January. This will take the usual format of good food, splendid talk plus games and quizzes. Plus your chance to enter for the club’s competitions.

Having made this delicate box John went on to even smaller things. He showed how to make a miniature candle stick . Followed by a goblet with captive ring and then a minute platter.



The candle stick is decorated using white correction fluid painted on for the candle and then use a gold ‘pen’ to make the main candle stick look ‘posh’.

The goblet with its captive ring needed a curved hook to release the ring. The goblet was made from a thick knitting needle. These are usually made from casein, an early plastic. If you use wood then you really need a wood that can be turned to these small diameters without fracturing. Box wood works well as it is close and fine grained.

When making the goblet you need to nearly finish the whole thing including sanding before you cut off the captive ring. Just leave yourself a bit of trimming to do.

When making the plate cut the top face and finish then cut the back sloping face of the plate and finish sanding that off. The last step is parting off. Obviously this leaves the base to be sanded. Make a small