Saturday Club Workshop 8th October 2022

Written by DON SMITH

We started the morning by introducing the new club Chairman Richard Ayers to all that were present.
John and myself explained what was going to be happening this morning stating that we would stop at approximately 10.00 for coffee/tea break and to discuss what the members would like next month.
So today we had Alan describing and demonstrating December's competition piece which is a TOY. Whilst John who gave his apologies for not bringing his routing gear but due to his lathe being repaired he wasn't able to prep for this demo, so instead he took on showing Christmas decorations.
I started by talking about general maintenance for your lathe and then described and made Pens followed by turning an Apple from compressed plywood.
At 10.00 we stopped and discussed next month's project's and it was decided to bring in sharpening John agreed to bring in his Grinding equipment and with the club grinder this would give us two machines'. We asked the members to bring in their own tools to be shown how to sharpen them. We would also have a lathe set up for the members to try the tool before and after sharpening whilst Alan would be showing ideas for the next competition piece.
Many other things were discussed and Richard stated that over the coming month's that the cupboard would be one of his top priorities.
I unfortunately I did not take any photo's as tutoring takes much of my time and I do not get the opportunity to walk around and take any.
Following this is the write up for the club night demonstration with Paul Nesbitt a very old friend of the F.O.B.W.A.

Club Night 18th October 2022

Written and Photographed by DON SMITH

Introduction by Richard Ayres

The evening started with the new chairman Richard Ayers introducing himself and giving the members some insight into his career over the past thirty odd years joining the club eleven months ago. After a few notices he presented John Wyatt with a Life Long Membership Certificate for all he has tributed to the club over the past twelve years.

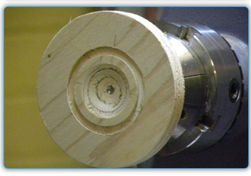
It was then time to introduce our demonstrator for the evening Paul Nesbitt Chairman of SAW's and an old friend of the club.
Paul has been coming and demonstrating since the late nineties and is always welcome.

Demonstration by Paul Nesbitt

Paul thanked the club for inviting him again and told us that tonight's demonstration would be about making a TURM KREISEL (TOWER GYRO).

The project is made up of four parts a Finial, Skirt, Spindle and a Base.

Starting off with the skirt he placed a 2 ¾ by 2-inch block of wood which already had a Tenon at one end and was fitted in his chuck. A parting tool was used to size the diameter of the Stamin as shown in the photo. This was then hollowed out. Leaving a stamin feature (like the centre of a flower). The photo shows the sizing of the Stamin



The outside was also partially turned to a dome getting as close to the chuck as possible to get it almost too it's finished state. It was sanded and polished. Care should be taken when sanding the inside. Note: – the point of the stamin needs to be approximately 2 to 3mm longer then the base edge of the skirt.

Paul then removed the skirt from the chuck and fitted a waste piece of wood. He turned a rebate to the size of the Skirt with a dimple in the middle for the stamin making it in to a jam chuck. Using a piece of kitchen towel he fixed the skirt on to the plate bringing the tailstock up to hold it in place while he finished the top off. It was at this point he drilled a 5/16" hole 1/4" deep in the top to take the Finial. Sanded and polished. Paul's favourite Sander Sealer is Morrell's.

The photo on right shows the Skirt attached to the Jam Chuck.

Refreshment break came and went and it was back to Paul who started the second session by taking a 2x2x4 inch piece of Walnut and fixed it in the chuck. This was roughed down to a cylinder so that he could start to shape the spindle. (See Hot Tip Later on).

The first thing to do is to face off the top of the spindle ready to hollow out a 7/8" by 1/4" deep recess making sure that you do not leave a dimple in the bottom slightly concave would be better than convex

The turning of the spindle is not easy to describe but I have added a drawing at the end of the write up for you. This was sanded and polished using 120 to 320 Demo finish but if competition would go up to at least 600 if not higher.

The thing to mention on making the spindle is to make certain that when the skirt is sitting on the top that it sits almost vertical. As seen in the next photo. This will help when after it has spun that it falls over correctly.
Do not forget to put a spigot on the end ¼ inch diameter and about the same length.

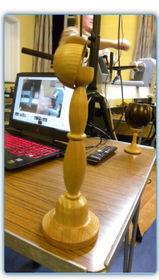
The third part of the project is the base so using a piece of Oak 1" by 4 inches' diameter using the screw chuck fixed it on the lathe. Cleaned up the base and made a recess in the base for when you reverse chuck it. Paul stated that he only uses a depth of approx. 2mm deep and adds some detail to the bottom of the inside. Sand and polish, the wax that he uses is Chestnut Wax Stick 22.

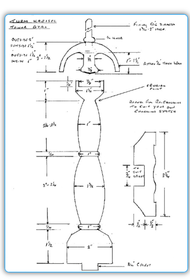
The base was reversed on the chuck and shaped with a ¾ hole being drilled in the top. Top tip with the Saw tooth bit in the tailstock just bring it up to the wood and give it a kiss. Take the drill away and with a Spindle gouge remove some of the wood from the centre of the ring and then bring the drill back into play and drill out to required depth. Again sand and polish.

Before final assembly check that the spindle spigot fits the base whilst still set on the lathe and once happy bring your tailstock up and press it home. This will help you keep it upright satisfied remove from the lathe.

Hot tip here which is using a small plastic Ball Valve Seat sitting on the tip of your revolving centre use this to apply pressure where you do not want the point to dig in. (I have managed to get hold of 8 will bring them to the club next time).

Now it is time to make the Finial in Mahogany to give a finished size of approx. 5/16 diameter by 1 3/4 to 2 inches high. You can experiment with what you add to the Finial but when it is fitted you must make certain that it is upright.





Photo's of Competition Pieces

Here are a few pictures of a competition piece by Peter Noot.

This article was photographed and written by Don Smith and is his interpretation of the evenings events.