



# NORTH WARWICKSHIRE & HINCKLEY WOODTURNING CLUB

## NEWSLETTER May 2014

[www.hinckleywoodturners.org.uk](http://www.hinckleywoodturners.org.uk)

### Notes from the Editor

My apologies for not attending the Alan Truman demonstration last month. I was on a work experience trip to sunny Axminster. One day in the call centre let me find out how they handle your phone orders. That was followed by a couple of days in the servicing department where I managed to make myself useful by fixing a table saw and a lathe. I was back down at Axminster again last week. This time, I was helping out at the shop.

I met a few of you at the Yandles Spring show. It is a long way to Martock in Somerset but I feel it is worth the effort to see the wide range of demonstrations, professionals and clubs. They also have the best selection of wood I have seen, at reasonable prices. I bought some radio controlled clock mechanisms as I intend to turn or scroll saw some clocks as my next project.

Finally, harking back to me missing Alan's demo, if anybody would like to learn how to set up the cameras, please get in touch. It is not difficult, and the club would benefit by having a backup for when I am unable to attend.

Regards  
Rob Sheehan

# Keith Fenton 18/3/14

By Rob Sheehan



This was Keith's first visit to the club. His project for the evening was a pepper mill. Keith's demo handout is available for download from the club's website.

Keith described the different types of mill. Conventional mills with plastic mechanisms for salt & stainless steel for pepper, CrushGrind™ and CrushGrind Wood with ceramic mechanisms and nutmeg grinders. Keith buys his mills from Constable Woodcrafts in Suffolk. He recommends buying the longer mechanism as you can always cut the shaft shorter.

Keith mounted the pre-rounded wood blank on the lathe and, using a saw tooth drill bit, he drilled a 1 3/4" hole in the bottom of the mill to the depth of the drill bit head. This is a clearance hole, so the depth and diameter are not critical.

The second hole is critical as it holds the CrushGrind mechanism. It was 1 1/2" diameter and 35mm deep. Keith used a depth gauge to monitor the depth. This second hole needs a recess at the top to take the locking tags of the Crush-

Grind mechanism. Keith has ground an old parting tool to create this recess. He has also scribed lines on the recess tool to indicate the required position of the recess (a second scribe mark indicated the position of the recess for the top part of the mechanism).



Keith then drilled a 1" hole, approximately 3/4 through the blank.

This is the salt/pepper reservoir so the diameter is not critical.

Reversing the piece in the chuck, Keith cleaned up the bottom of the mill with a spindle gouge. He then drilled a 1 1/2" hole to meet the long hole drilled earlier. This hole takes the spigot from the top of the mill.



Keith then used the drilled holes to mount the piece between cone centres. He turned a bead at the top, cove at the bottom and a tulip shape in the middle. When satisfied at the shape, Keith sanded 120 grit to 400 grit, sealed the surface with cellulose sanding sealer (thinned 50/50). Keith then painted the surface with a malt vinegar & steel wool mix. This turned the Oak black. Keith then coated the mill with gilt cream and used finishing oil on a paper cloth to remove the excess. A coat of Renaissance wax was applied before buffing the piece.

The mill top was then mounted in the chuck and a spigot turned to match the recess in the base. A “loose-ish” fit is required. The top was then drilled to take the top part of the CrushGrind mechanism. Keith turns the top to the same diameter as the thickest part of the base. The top was sanded, sealed and finished as before.

Keith quickly explained how to turn a nutmeg grinder. Cut a spigot to take the base and don't forget to cut two recesses for the screws and drill a hole for the mechanism.

For his salt shakers, Keith gets the rubber plugs from Turners Retreat.



**NORTH WARWICKSHIRE & HINCKLEY**  
**WOODTURNING CLUB EVENTS 2014**

May	6th	Hands on	
	10/11	Tudor Rose show at Daventry	
	20th	Demo	Robin Barlow
June	3rd	Hands on	
	17th	Demo	Ken Allen
July	1st	Hands on	
	15th	Demo	Gary Rance
August	5th	Hands on	
	19th	Demo	Mick Littlehales
September	2nd	Hands on	
	13th	Coombe Abbey Craft Fair	
	16th	Demo	Tony Wilson
October	7th	Demo	Adam Stephens
	21st	Hands On	

Next Demonstration

Tuesday 20th May     Robin Barlow

Next Axminster Event

Sat 24nd May  
Sat 7th June

Setting Up Your Bandsaw  
Sharpening with the Storme jig