

NORTH WARWICKSHIRE & HINCKLEY WOODTURNING CLUB

NEWSLETTER June 2016

www.hinckleywoodturners.org.uk

Notes from the Editor

I hope you enjoyed Woodoworks@Daventry. Thank you to all who helped with the stand, the turning demonstrations and the competitions. Coombe Abbey won the Best Stand competition (we came 6th out of 11). However, we did manage 3rd place in the Best Turned Piece competition thanks to John Woodcock's Traction Engine. I thought it deserved better as it is a wonderful piece of engineering as well as superb turning.



Inside, you will find my demonstrations report. Paul Bellamy showed us how to turn a 1" thick board into a 4" deep segmented bowl. Phil Jones made an hour glass timer.

Regards Rob Sheehan

Copyright (c) North Warwickshire & Hinckley Woodturning Club 2016.

Paul Bellamy 19/4/2016 By Rob Sheehan



Bowl blanks are not cheap and the larger and thicker the blank, the more expensive it is. Paul showed us how to make a bowl from a relatively cheap 1" thick teak board, reclaimed from an old school lab bench.



Paul first showed us his version of the Marison system for making angled cuts into a board, to create overlapping segment rings. This consists of a

block of wood mounted on the tool post. The block has angled slots to take an 1/8" parting tool. The slot spacing and angle is such that, when used with a 1" thick board, each segment will overlap the one below, allowing a simple, straight-sided bowl to be turned. The disadvantage of this system is that the block angle and spacing is fixed, so it only works with 1" thick boards.

Paul's improvement on the system, is to cut the slots free hand, using only a paper template on the lathe bed to give the required angle of attack. For a 1" board, he used cuts 3/4" apart + 1/8" (the thickness of the parting tool), giving a spacing of 22mm. The line was at an angle of 40° . Variations in segment thickness and angle allow for some shaping rather than the flat sided bowl if all segments and angles are the same.

Board Thickness	Angle (degrees)	Spacing	Overlap
1"	45	1"	1"
1"	22.5	1/2"	1/2"
1"	40	22mm	22mm

Mount blank on a screw chuck & cut a dovetail spigot. True up outside edge and cut it to the template angle (40° in this case). Reverse onto dovetail spigot and cut another dovetail spigot on the face side.



Mark off segments 22mm apart. Following the paper angle template, cut through the blank using the parting tool but stop as soon as a finger on the other side detects the cut. Gaffa tape the partially separated ring in place. Move the tool rest to the other side of the blank and complete the cut. Repeat for

each of the marked segments. Line up the grain on all segments and then use a flower press to hold

all segments while the glue cures.

Mount the bowl using the spigot on the inside of



the bowl. Turn the outside

shape. The narrow wall thickness limits the amount of shape that can be added. Sand and seal with two coats of Chestnut melamine lacquer.

Mount the bowl on the base spigot and hollow the bowl to approximately 1/8" thick. Sand and seal as before. Carnuba wax adds a shine.



Phil Jones 17/5/2016 By Rob Sheehan



Before starting his first project, Phil explained how to sharpen your tools free hand. To do this, he had a mock grinding wheel segment mounted on the lathe so that the camera could capture the movement for a parting tool, skew, roughing gouge and a bowl gouge.

Phil's first project was an hour glass timer. As a production turner, this would take approximately six minutes in his workshop! Mount the top on a screw chuck and turn to round. Decorate the top as desired, sand and seal. Reverse the piece and use dividers to mark the three holes for the spin-

dles. These must be spaced to allow room for the hour glass insert. Drill a 10mm hole part way through. The top and bottom also need a shallow hole to hold the hour glass in place but not too tight to allow for movement in the wood. Repeat the process for the bottom of the hour glass.

Three identical spindles need to be turned, so Phil makes a scratch stick, to define the important transitions. After turning the first spigot on one

end, the scratch stick butts up against the spigot to mark the exact length needed to position the second spigot. The spindles are sanded, sealed and finished. Phil then turns the spigots to their final size. This is done after finishing, to remove any finish from the spigots.

Phil's second project was a ball turned freehand. He started by turning a spindle to 2 1/2" diameter. Phil then used callipers to measure the diameter and used this measurement to mark the length. He also marked the halfway point. Phil removed the waste at each end and rounded over the ends. Using a Perspex template of the ball shape, Phil



gradually shaped the ball until it corresponded to the ball template. The ends were turned thin but parted off leaving a small amount to be carved. Phil's second project was a mushroom. He shaped the top leaving a ring

of bark as a natural edge. He then sanded, sealed & polished it. A small gouge was used to slightly undercut the top before shaping the stem. The base was also left with a natural edge. After parting off, Phil used a home-made sanding disc to sand the base.



Phil finished off by demonstrating some faceplate turning techniques followed by how to make your own tool handles. With a Jacobs chuck in the head stock.



mark the centres of the square tool handle blank & mount it between centres. Bring up the tool

rest so that it stops the blank from rotating. Wind in the tail stock which pushes the blank parallel along the tool rest.



<u>NORTH WARWICKSHIRE & HINCKLEY</u> <u>WOODTURNING CLUB EVENTS 2016</u>

May	3rd	Hands on. Model Car led by Geoff Cope		
	17th	Demo	Phil Jones	
June	7th	Hands on.		
	18/19th	UK & Ireland Woodturning Seminar		
	21st	Demo	TBD	
July	5th	Hands on.		
	19th	Demo	Mark Hancock	
August	2nd	Hands on.		
	16th	Demo	Alan Truman	
September	6th	Hands on.		
	20th	Demo	TBD	
October	4th	Hands on.		
	18th	Demo	Andy Lodge	
November	1st	AGM	Followed by Hands On	
	15th	Demo		
December	6th	Christmas Se	ocial	
	20th	No Meeting		
		Next Demo	onstration	
	Tuesda	ay 19th July	Mark Hancock	

Next Axminster Event

Sat 2nd July	Japanese hand Tools
At 20th August	Sharpening with the Tormek