



Hoping for More Good Things

In May members welcomed Simon Hope. If his previous demonstration at the club was anything to go by we were in for a busy day covering different projects.

After the notices, Simon began with a shell shaped salt shaker. He mounted a sycamore blank between centres and roughed it down before turning a spigot on each end for the chuck jaws. The blank was then mounted in the chuck and parted off for the lid and base.

Simon uses a $3/8\frac{3}{8}$ bowl gouge for much of his work and using this tool, began by truing up the face of the lid section. He then shaped the outside before hollowing out to a depth of about 13mm. He used a fine detail tool to produce a parallel recess with a chamfer and a carbide cutter to finish before sanding using his own design of rotary sander. Simon then began work on the base.

After truing up the face he used a vernier calliper to mark the diameter of the recess from the lid onto the base to turn the spigot. He also marked the depth.

He turned the spigot to a slight taper and checked the fit of the lid as he went. The lid leaves a mark on the taper which shows the right size. The fit needed to be reasonably tight as the base was used to hold the lid for hollowing. This was done leaving some thickness at the bottom of the lid to allow for the recess and spigot of the base. Using an 8mm square carbide tool, Simon followed the outside shape of the lid in smooth continuous movements. He sanded the work with wax and a pad on a stick. The sanding wax is made by melting 1 part beeswax in 4 parts of oil. Baby oil, primarily liquid paraffin, is suitable.

Simon then cut across the end at an angle and removed the lid to work on the base. He put in the grooves of the shell shape by rolling the spindle gouge into them.

Moving back to the spigot, he chamfered the end and then put a groove in it into which wax hemp was wound tightly to hold the lid on securely.

Next Simon waxed a gouge and used it to drill down to depth ready for hollowing the base. He used a 6mm carbide tool to hollow out following the outer shape. To ensure he did not break through the side at the rings he measured the depth on the outside with his thumb on the tool shaft and kept his thumb on the tool as a guide whilst hollowing. He then sanded the work and parted it off.

To reverse the base and hold it to finish the end, Simon turned a hollow jam chuck. He shaped the point and drilled a 2.5mm hole for the salt and gave it a final sand.



Simon sawing at an angle across the end of the top.



Black wax hemp wound round the base joint.

Wax hemp can be purchased from Bagpipe suppliers.



Finished salt shaker.



Undercutting beneath the shoulder.



Checking the fit.

For his second project Simon turned a bowl within a bowl using sycamore and french London plane. Using a recess to hold the blank, Simon trued it up, turned a chucking spigot and shaped the outside. He then reversed it to turn the inside. He marked a line for the second inner bowl and turned a shoulder for it to sit on. This was about 5mm deep and parallel. Simon then undercut beneath this ledge and turned the bowl to a thickness of about 6mm although the walls would need to be thinner and well finished if the outer bowl was to be pierced. Simon

then removed the chuck with the bowl in it to measure from the base to the face to calculate the measurements for the inner bowl. Having mounted the inner bowl in another chuck, Simon shaped it to match the first using the calculated sizes. Tapering the top edge, Simon removed material carefully checking the fit. It could be a little loose but must sit well on the shoulder. Simon then used medium CA glue which has some gap filling properties to fit the inner bowl matching up the grain orientation. Once the glue had gone off, Simon turned a finishing cut in the bottom and shear scraped the rim adding a detail cut round the joint. If desired, it would be possible to put something inside between the two bowls to rattle before they were joined.

At this stage it was time for the raffle and lunch break. Thank you to Fred Mitchell for running the raffle.

As members settled down after lunch, Simon turned a novelty tape measure box in the shape of an acorn. He began by roughing the oak blank and parting off a section for the cup. He trued up the remaining piece and drilled out a hole about 22mm deep making it parallel and with a flat bottom by using a box scraper. He chamfered the inside and trued up the face before applying CA glue to harden the wood in readiness for thread chasing. Simon set up his own thread chasing jig to cut the thread. To do this the chuck and work piece was mounted in the tool rest whilst the threading jig was in the headstock. Once the thread was cut the chuck was put back on the headstock and Simon shaped the acorn, sanded it and drilled a 10mm hole in the base before parting it off.

Next for the cup section, Simon used a vernier calliper to measure the spigot for the male thread before turning it to the size and chamfering the edge. It needed to be the size of the female thread plus 1.1mm. He hardened it, again using thin CA glue and cut the thread with the jig before mounting it back in the headstock again. He waxed the thread and leaving the acorn on the cup, finished the end and sanded it before removing it to shape the cup. Simon drilled a 6.5 mm. hole in the cup to a depth of about $\frac{1}{2}$ the length, rounded the edge and sanded the work minding the threads. Simon then used a texturing tool to add some detail to the cup before parting it off. He reversed it using a jam chuck to finish the bottom and drilled a 6.5mm hole to meet up with the one drilled from the other side. By doing it from both sides, the hole looks right even if the drill wanders slightly.

The next stage was to turn a dowel and knob for winding the tape in. Simon turned a round knob from ebony and drilled a hole in it to take a piece of 6mm beech dowelling. He reversed it into a jam chuck to finish the knob. He cut the dowel to the depth of the acorn.

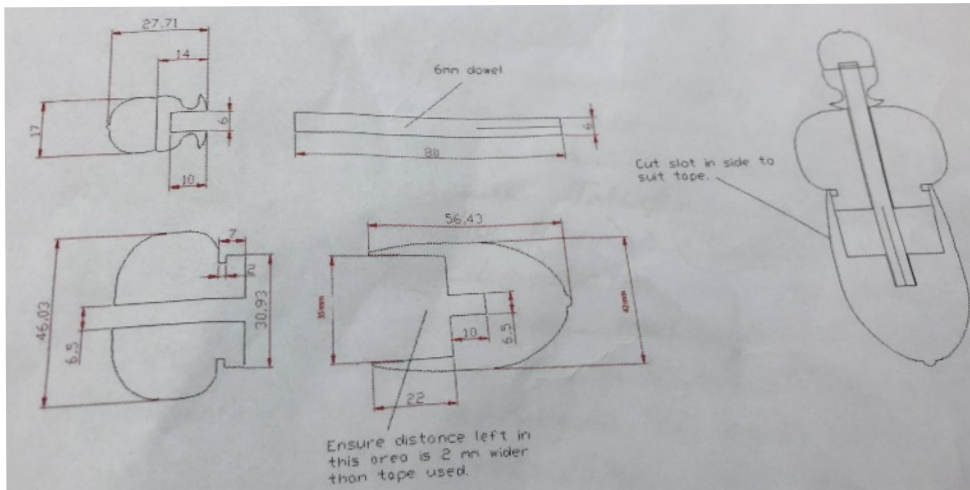
Simon mounted a small slot saw in a drill chuck mounted on the lathe and using the tool rest to support his hands cut a slot in the dowel to hold the tape measure. He then used the saw to cut a slot in the acorn for the tape to pass through. This was cut with the grain. Simon cleaned up this slot tapering it slightly with a tool made from a hacksaw blade. The tape was then passed through the slot, glued into the slot on the dowel adding glue across the end of this slot to close it.

To finish, Simon waxed the thread and screwed it together and wound in the tape.



Cutting the slot.

Information for the Tape Measure Project



Silverline produce small saw blades suitable for cutting the slot.
Use a good quality tape with riveted brass ends rather than pressed ones.



Returning to the double bowl project from the morning session, Simon demonstrated a vacuum chucking system. This used an oil free pump of 5cfm with a dial registering the vacuum from 1 to 30"ins of mercury. It is important to keep an eye on the dial when working as if the suction drops the work piece could fly off the lathe.

Using this system to hold the bowl, Simon finished the base and applied lemon oil which is a subtle finish but shows off the grain of the wood.

To finish the day, Simon's last project was an off centre candlestick. He mounted a blank, 3" x 8" long with a hole drilled in the end for the candle and tightened the centres to leave a good centre mark for remounting. He marked 10mm down from the centre on one end and 10mm up on the other end and used these positions to remount the blank. Simon used crown centres or steb centres and twisted them to tear the fibres for a good hold. He turned a sphere in the centre cutting in on either side down to a diameter of about 12mm. He finished this part with a skew to get into the tight corners and sanded with a long strip of abrasive.

Next Simon remounted the blank using the original centres. He trued up the two ends to round from the centre out and tapered it up to the top before adding shape in the form of coves and beads achieving crisp edges by using a skew. He also chamfered the top and bottom edges.

Throughout the day Simon used his own design of tools and jigs. He had a good selection on show available for members to purchase. The full range is available from his online shop.

Simon's demonstrations and projects gave members plenty to think about and to try at home. Our thanks to Simon for an enjoyable day.



The Your Way Project



Any of Simon Hopes demonstrated projects can be entered for the June Your Way Project and the monthly competition as well. There will be no Your Way Project in July.

Members' Work



Rocking bowl by Sandra Day.



Lelly James turned this box.



Mike Pollard's box with an offset eye.



Walnut bowl by Jacob McCarthy.



Cameron Gold turned this box.



Natural edge horse chestnut burr bowl by Gareth Garner.



Tea light holder by Rick Thompson.



Bowl by Howard Baldock.

Competition Reminder

All Classes Theme is 'Heath Robinson', Something that 'does' something. It doesn't have to be practical or useful, just dynamic, not a static ornament. Any size and shape.

Founder's Cup Open Competition.

A piece to be judged at the summer social on the theme of 'Shape and Innovation'.

Novices one off competition to turn a new winner's cup base. Please see April Newsletter for details.

Monthly competition entries as usual (no Your Way Project)

June Meeting

June 14th 10.00-16.00

Hands On with Fred Mitchell

Garden dibber and marker.

Please bring a blank 2" square x 8" long and of course your tools and PPE.

Chairman	Maggie Wright
Vice Chairman	Mike Pollard
Competition Secretary	John Packer
Secretary	Anne Smith
Treasurer	John Turner
Events organiser	Mike Pollard
Librarian	Gareth Garner
Newsletter editor	Sandra Day
A-V co-ordinator	Brian Rowson
Hands On	Pete Hawes
Webmaster	Rick Thompson
www.wealdenwoodturners.org.uk	

Thank you to all those members, who as usual, worked hard to make sure the day ran smoothly

July Meeting

July 19th 10.00-16.00

Summer Social and Competitions

The club provides meat including veggie options for the barbecue. Please bring a plate of food to accompany this and desserts, home made if possible. Wine and non alcoholic punch is also provided along with the usual tea and coffee. Partners and friends are welcome.

Please remember competition entries need to be handed in by 10.15am