



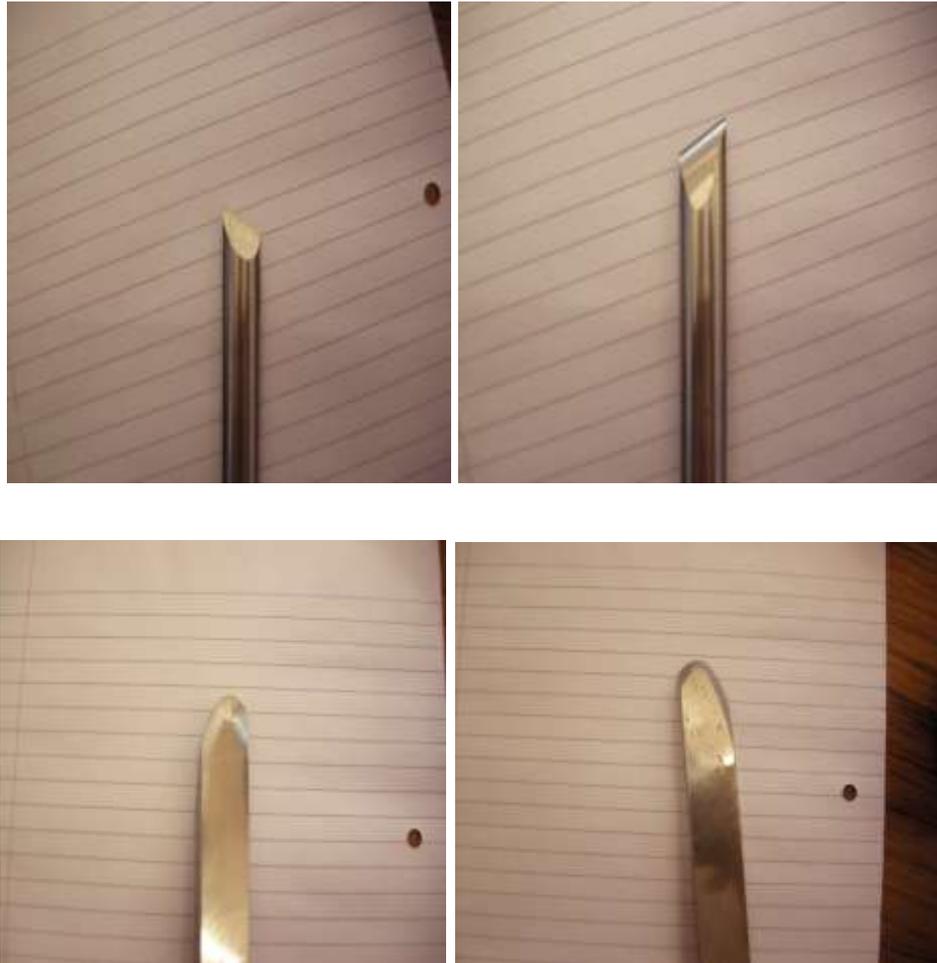
WEST SUSSEX WOODTURNERS

NOVEMBER 2017 NEWSLETTER

Today our professional turner was Jason Breach.



Jason was going to turn a variety of boxes. First up he used a piece of Box. Jason likes to use a step centre in the head stock and a ring centre in the tail stock as they help in stopping the wood splitting. He rounded the blank using a Bowl gouge, having done so he turned a tenon on each end. Ideally the lid should be approximately a 1/3rd for the lid and 2/3rds for the base. He parted off the two pieces using a 1/16th Parting tool. He makes two cuts so he leaves a witness mark to give a guide as to where to hollow out. He does not use the tail stock as this creates pressure on the parting tool. He then used a skew chisel to establish the centre of the lid. He drilled a small hole in the lid with his Spindle gouge, he continued hollowing using a Bowl gouge. He then switched to a Bowl gouge with a micro bevel. He started by going from the centre to the edge but he switched to going from edge to centre. To give himself more control he puts his hand round the tool rest, whilst he cut the outer edge down to the witness mark. He used a Negative Rake Scraper to complete the hollowing.



When sanding Jason recommends that you move the tool rest well away from the work for safety. Reduce the speed when sanding so that less heat is generated. He started with 240 grit going up to 400 grit. He cut a small edge inside the rim. It is important to ensure that the edge is flat. He then applied Sanding sealer with a brush and wiped off the excess with paper towel, he finished off with some soft wax.

He put the base into the chuck, again he established the centre using his Skew. He measured up the lid and marked on the base the width using his dividers. He cut down to this mark using a peel cut, he put a slight dovetail on the edge. This is the tricky part as it is very easy to take off too much and the lid will not fit back on. He placed the lid on the base having established it was a good fit. He then shaped the lid using a Bowl Gouge. He cleaned up the top using his Skew as a Scraper and finished off with his Negative Rake Scraper. He then started on the base. He drilled a small hole using a Spindle gouge. He started hollowing using a bowl gouge. He carried on hollowing using a Carbide tipped tool with a square bar, so he could undercut the sides. He refined the opening with his Skew. He required a Jam chuck so he could complete the base.

To make the Jam chuck he used a scrap piece of wood. He turned a tenon on one end to go in the chuck. He marked up the blank with his dividers to give him the diameter of the base. He hollowed out a small recess using a Bowl gouge, constantly checking to see that the base would fit. When the base did pop out of the chuck he used some tissue to wedge it back in. He then cleaned up the base to ensure it was level. He cut a small bead and slightly hollowed out the inside. He put a couple of rings on the base to show that it has been reversed. He finished up polishing the box using Buffing wheels. He started with a stitched wheel and then a mop.



Next up were two small wooden balls. Jason makes Solitaire sets with 32 balls, which are all different woods. Using an 18" board he has to make the balls 38mm in diameter. Jason used Ring centres in both the head and tail stocks. He rounds the blank using a Bowl gouge. He then cut a tenon on both ends and turned to almost round using his Bowl gouge. To ensure the balls are round Jason uses a hole saw but he has ground off the teeth and put an edge on it to trim the balls to size. He has some nylon fittings to go on both the head and tail stocks, which enable him to turn off the two tenons without damaging the balls.





Jason then turned a third ball. This time he cut some lines into it. At home he would have used a burn wire to burn the lines. He placed the ball into a hollow wooden tube which he placed in the chuck. He put a flat on the ball and drilled a hole using a Forstner bit to take a small clock mechanism. Always drill holes slowly. He turned the ball in the tube and put another flat on so the clock would not roll around. He finished the bottom with some beads.



As a quick demonstration Jason put a blank between two ring centres. He used a ¼ inch bowl gouge to turn a mushroom. In order to under cut the mushroom he simply reversed the piece to make it more comfortable. To finish you can sand down the top and the base using a disc sander or a sanding arbour in the head stock.

The last demonstration for the day was a Pagoda box. Ideally the lid should be 2/5ths and the base 3/5ths. Turn spigots on both ends but the spigot on the lid has to be recessed. Jason had cut the blank on his band saw.



Jason put on a hat for this part as it stops the shavings going over the top of the safety glasses. Starting with the lid, establish the centre of the blank and drill a small hole using a Spindle gouge. Hollow slightly using a Bowl gouge but be careful how you hollow as you can end up with such thin walls that the whole box will fall apart. Jason puts a piece of paper on the bed bars to show up the shadowing as you are less likely to chip the corners. He was turning at about 3000 rpm. He cleaned up the hollow with a Negative rake Round Nosed scrapper. He sanded starting with 150 grit and ending with 400 grit. He increased the speed to sand the outer section. Remember to keep your fingers well out of the way. Again he cut a small ledge using the Skew. The ledge **must** be parallel to ensure a good fit. He then put on some sanding sealer and some soft wax. He put the base into the chuck. It's worth reducing the speed slightly as the base is quite a bit heavier than the lid. He turned most of the blank to a round but left a bit for the square base. Find the middle, measure the inside of the lid and basically proceed as with the earlier box. He placed the lid on the base effectively using the base as a jam chuck and shaped the lid using the Bowl gouge. He put a series of beads

on the Finial part of the lid. He removed the lid. He drilled a small hole using his Spindle gouge and proceeded to hollow out the base using his Bowl gouge.. He tidied up the inside using a Square nosed scrapper with a bevel down one side.



Jason says do **not** bring up the tail stock to turn off the base. Take a couple of small cuts and look at the shape. Using a Skew he cut a small groove in the feet. He put some decoration on the base. It's important that you ensure that the bottom of the base does not stick out beyond the feet. To clean up the edges Jason puts a small board between the lathe bars using contact adhesive. Do **not** use double sided tape. Rub the edges across the edges **not** up and down as you risk breaking off the corners.



As usual thanks go to Colin for operating the cameras.

Prior to the meeting members presented a collection of their turnings to St Barnabas House.

Christmas donation Hospice chosen as group's charity



West Sussex Woodturners have chosen to support St Barnabas House hospice this Christmas. On Sunday, they presented the charity with a variety of beautiful hand-turned wooden items to sell in the hospice shops and at Christmas fairs. Longstanding member Rob Inglis recommended St Barnabas because of the 'amazing work' the charity does for patients and their families. The woodturners meet monthly at Sullington Village Hall and have a workshop at Amberley Museum.

FOR SALE

Rexon band saw floor standing max cut 6" max width 12"

Very clean

Contact Dave Unsted 01403 211077

Next month

A Floor morning Last minute prezzies.

Competition is an "Open" anything you like as long as it does not exceed 14 inches or 350mm in any direction.