

LOCKDOWN EXPRESS No 8



11.59 pm
Monday
27th April

Goodbye Level Four
(Yayyyyyyy!)



They shall grow not old, as we that are left grow old;
Age shall not weary them, nor the years condemn.
At the going down of the sun and in the morning
We will remember them.



DAVID COWLEY has been experimenting with inside-out turnings.

Left: Rimu wood with a totara tree internal

Right: Rimu wood with a macrocarpa top.

Excellent results.

Hopefully we can convince David to lead a whole-club inside-out turning project.



Tool Maker

DON McNAUGHTON has used some of his Lockdown time to fashion a long-handled parting tool.

The blade is made from 3mm thick tool steel.

Information about **setting up your blank for Inside/out Turning** – Acknowledgement - John Lucas

Inside-out turning is a process where you take four pieces of square timber, glue them together and turn a design (usually a silhouette) into the part that will be the inside of the piece. Then take this apart, rotate the pieces, glue them back together and turn the outside. This is why it's called inside-out turning. I will try to describe the process of inside-out turning and hopefully stop you from making some of the errors that I have made. I learned most of what I know by trial and error, error, error.

The Process: Start by cutting four pieces of wood equal to the length of your turning. **Each piece must be perfectly square.** This is important because you will have gaps in the turning if they are not square. I generally cut four separate pieces from a flat board, but if you want the grain to match it is possible to re-saw a piece of thick timber and square up each piece. The grain won't match perfectly but will be close. Since there is a learning curve to this style of turning I recommend turning some 2x2 scrap as experiments.

Because you are turning the inside first, the outside shape will be limited. It is important to make a few trial runs so you can learn to see the problems. For practice pieces, I use strapping or filament tape to hold the wood together. This makes it easy to pull the tape back and reassemble the piece to check your progress. Start with simple shapes such as diamonds, circles, crosses etc. Shapes such as hearts and flowers require you to undercut the turning when doing the silhouette. This is difficult to turn and to judge the shape.

Gluing the piece To turn the inside, glue the four pieces together **with a glue that can be separated.** I have used CA glue, paper joints, strapping or filament tape, plastic tie wraps and hose clamps to hold the pieces together for the first turning. **I prefer a paper joint.** It is more secure and keeps the wood aligned properly. The space created by the glue will show up as a space in your silhouette so it is **important to have a very thin line.** I use **newspaper** for my paper joint. This creates a good bond and a thin line. Tape, tie-wraps, hose clamps and rubber bands all work well as "clamps" to glue the work but have drawbacks if they are used instead of glue.

CENTERING: Centering is very important, so I take a very small sliver of wood (about 1/8 inch) off each corner of the square stock before I glue or clamp them together. After you get them together, the four "knocked off" corners make an accurate hole to align the center pin of your drive and tailstock centers. **Label the end of each block so you will know how to reverse them later.** I stack the wood together to find out which side should be out for the best grain pattern and then label the end with numbers and an arrow pointing toward the center. Turn them 180 degrees so the good side is in and glue them together with a paper joint. Spread glue on the piece and place newspaper over the glue. Clamp the pieces together and let it sit. It will take longer to dry than the glue normally requires so be patient. Use a cup center of some kind (7/8" Stebs are ideal) on the tailstock so you won't split the piece. I also use a fairly large drive center so the teeth help hold the four sides together. **Long cones in the center of drive and tail centers will act like a wedge and split the paper joint.**

Need more information? Have a chat with our club member DAVID COWLEY



MICHAEL DOYLE has a keen eye for smaller turnings. This time it's a couple of small lidded pots made from purple heart wood laminated with Australian oak. Very smart, well-proportioned turnings.

More funny signs photographed by world tourists.



JOHN BAKER was quick to respond to **Michael Doyle's** suggestion about using some of the Lockdown time to make toys for our Christmas Toy Box

This truck and trailer was made from workshop scraps.

Goodonya **John**

You and **Michael** have started the ball rolling.



STAY SAFE EVERYONE - Cheers Clive