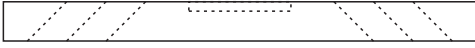
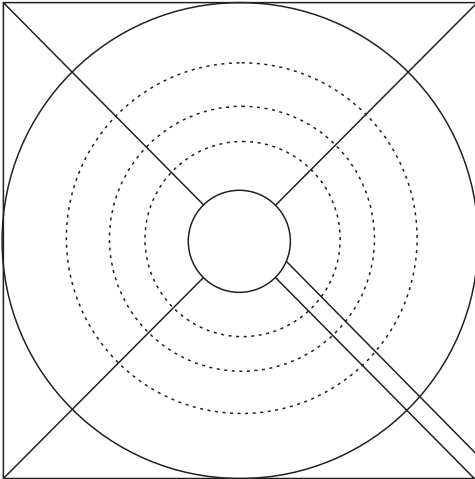


A Bowl from a Board

This plan is to turn a simple bowl from a 250 mm by 20 mm board. Three rings of wood are cut from the board and then glued back together in reverse order to form the rough bowl. Then that is turned and finished on the lathe.



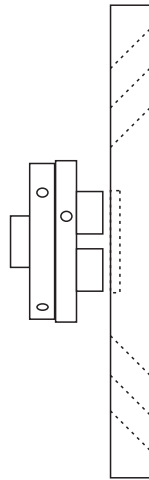
This drawing is to help you understand how the board will be cut.



Mark the board on both sides with corner-to-corner lines to find the centre. Add a second line 10 mm away from one arm of the X and the same side of the same arm on the other side of the board. These lines will assist with alignment when gluing the parts later.

Drill a 54 mm hole 5 mm into the wood on the side that is to be the bottom of the bowl. This is to be a dovetail mount on a chuck. As an alternative you may glue on a spigot mount.

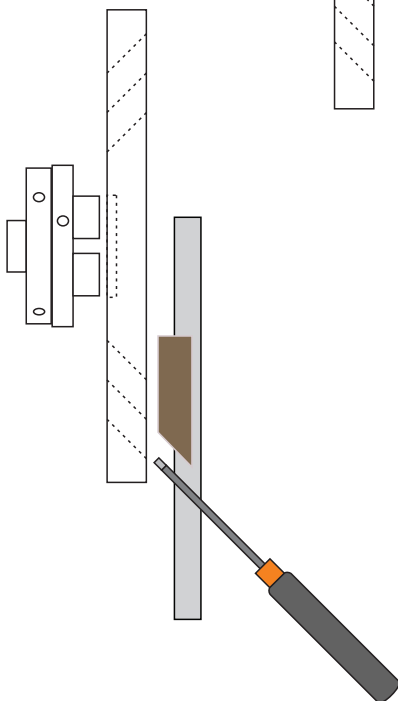
Cut the wood to round on the bandsaw.



Mount the wood on a chuck used with the jaws in expansion mode.

Turn the outside edge to be perfectly round.

Draw three circular lines on the face. The first is 15 mm in from the edge and then the next two at 20 mm spacings.



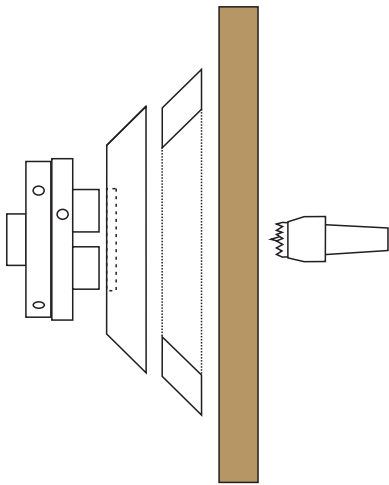
Cut a wood or card template to 45° to ensure that the parting tool will be used at the correct angle.

With the lathe stopped use the template, parting tool and the lines drawn on the wood to establish where each cut should be. Mark this on the toolrest.

Use a thin parting tool to cut each ring of wood off. Keep the remaining wood on the chuck and remove the entire chuck and wood assembly to take each ring of wood away from the lathe.

If that parting tool cut was a little wide or not straight then you may have to re-draw the next line to get a wide enough ring of wood.

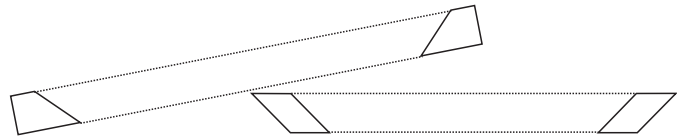
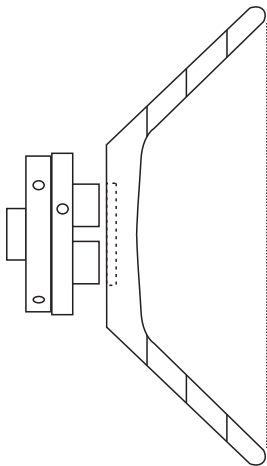
A Bowl from a Board p2



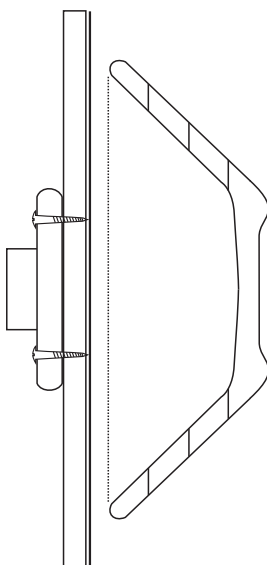
When all rings of wood have been parted off return the chuck, with the last bit of wood still mounted, to the lathe. On each ring of wood draw lines from those done in the initial markup down the sloping inner side of the rings. Clean off all rough-cut edges and dust off all wood scraps. Get a piece of wood that is 250 mm square or 250 mm in diameter. Mark the centre of this wood. Put a live centre into the tailstock.

Apply glue to the face of the wood in the chuck and the smaller side of the smallest ring of wood. Rotate the wood to get all the drawn lines into matching positions. Put the glued areas together and clamp them into place using the board and tailstock.

Repeat this process for the remaining two rings.



When the glue is set you can shape the bowl. Cut, sand and finish all the inside and as much as possible of the outside.



Take the bowl off the chuck, turn it over and remount it on a vacuum chuck, Cole jaws or other method. Cut, sand and finish the foot of the bowl.