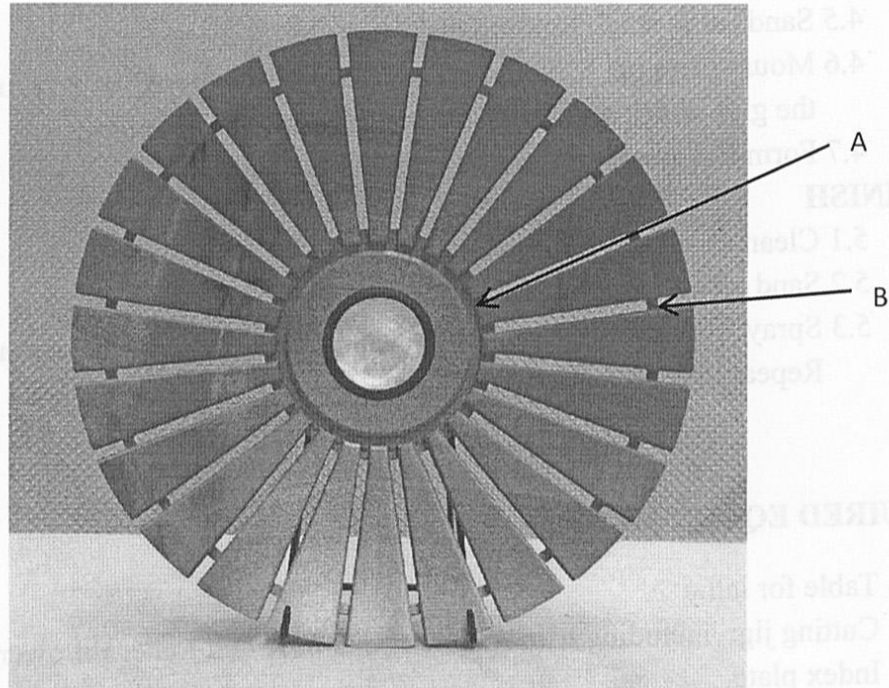


Key Steps in Turning an Incised Plate

Koonung Woodturning Guild

Demonstration by Peter Oppenheim



1.0 PREPARE THE TEMPLATES AND THE BLANK

- 1.1 Determine size and curvature of plate; cut template from card or 2mm ply
- 1.2 Use Perspex template to mark blank and determine centre.
- 1.3 Glue threaded glue chuck (with central hole) to centre of blank.
- 1.4 Any close grained wood may be used e.g. red gum, leatherwood, or myrtle.

2.0 TURN THE INSIDE

- 2.1 Use template to replicate internal curvature of plate.
- 2.2 Sand to at least 400 grit

3.0 INCISE THE INSIDE

- 3.1 Draw a line in pencil to mark the inner groove A.
- 3.2 Adjust index plate as necessary.
- 3.3 Adjust router on a table so that it aligns with the centre of the lathe spindle.
- 3.4 Rout the grooves moving from RIGHT to LEFT.
- 3.5 Setup router on table to rout inner groove A
- 3.6 Rout the circular inner groove A.
- 3.7 Mark the location of groove A by drilling a hole (2mm) that is smaller in diameter than the router bit, in a straight groove 5 mm from the inside end, of a straight groove.

3.8 Prepare and insert the central feature.

4.0 TURN THE BASE

4.1 Mount plate on tail stock using a threaded live centre.

4.2 To turn plate, mount foam covered face plate on head stock.

4.3 Carefully remove waste material from rear of plate using routed grooves to indicate correct depth and the drilled 2mm hole to indicate extent.

4.4 Use beading tool to form circular rib B approximately 25 mm from the edge of the plate.

4.5 Sand using small sanding disk.

4.6 Mount plate on “Cole Jaws” or “Shop made chuck” or a vacuum chuck to remove the glue chuck and finish the central portion of the base.

4.7 Form flat area in the centre to brand the plate.

5.0 FINISH

5.1 Clean up edges of routed grooves.

5.2 Sand all surfaces to 800 grit.

5.3 Spray with sanding sealer and lacquer, sand lightly and respray with lacquer. Repeat to achieve desired finish.

REQUIRED EQUIPMENT

1. Table for lathe
2. Cutting jig: including trim router, router base and router follower guide
3. Index plate
4. Threaded live centre