



INLAY USING A ROUTER AND JIG

Demo by Rob Vogtman – April 4, 2024

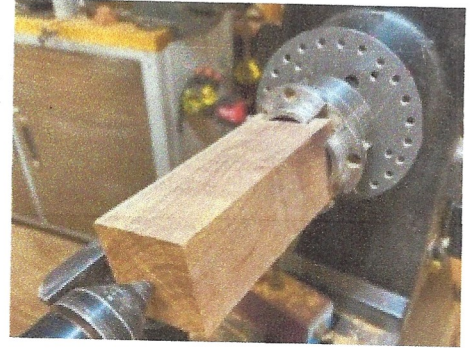
Using a router and custom jig, enhance your piece with inlays that add interest and movement. Learn tips and tricks to reduce calculations and ensure greater accuracy using templates and the right tools.

Step 1 – Set Up and Rough Out

Supplies: Wood blank, index plate or lathe with indexing capability, turning tool

Directions:

- Set up the lathe with indexing or an index plate.
- Chuck the wood blank with center.
- Using a tool of your preference, rough out the blank into a cylinder.



Step 2 – Router Grooves (Inlay Receptacle)

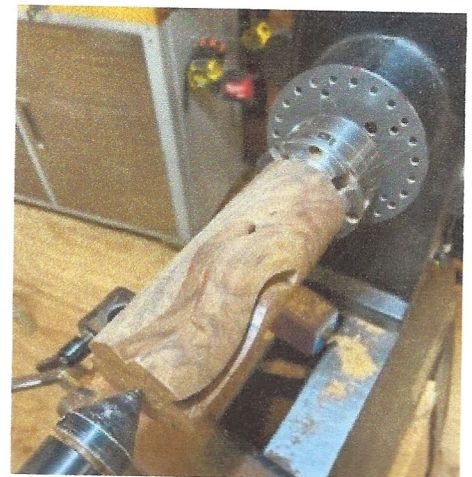
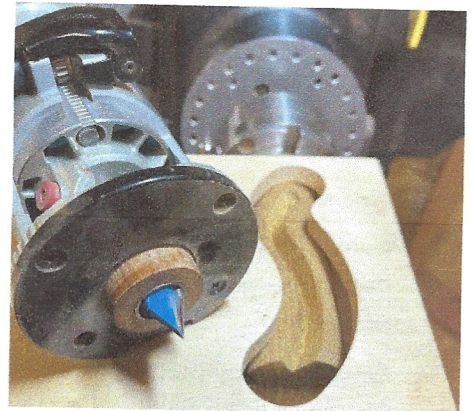
Supplies: Router, 60° bit, 3/4" bushing guide, wood to attach to the bushing guide the size of the template opening, index plate or lathe with indexing capability, template (custom jig)*

****** IMPORTANT! ******

Ensure the lathe is **off** before starting this step.

Directions:

- Center the template over the roughed-out blank, leaving space at the router starting point.
- Tighten in place.
- Attach the wood bushing guide to the metal bushing guide on the router.
- Drop the router into the template and cut down the full length of the guide to create a groove (inlay receptacle).
- Rotate the index plate, insert the index pin, and repeat the process for the number of grooves desired.
- Repeat this process until the desired groove depth is reached.

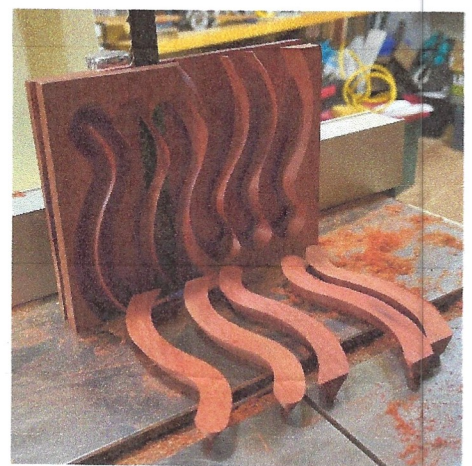
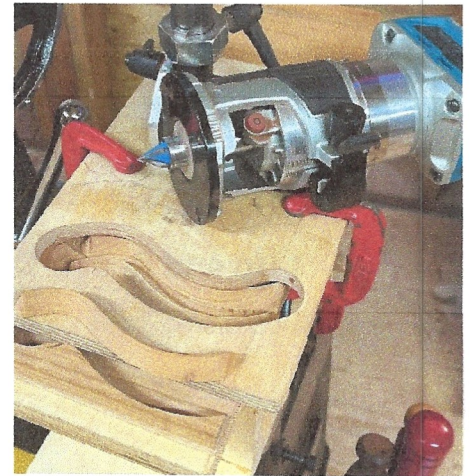


Step 3 – Inlays

Supplies: Clamp(s), custom jig, router, flat piece of contrasting wood, Allen wrench

Directions:

- Flip the template to create a mirror image of the grooves made on the wood cylinder.
- Clamp the template to the flat piece of wood, leaving space at the router starting point.
- Remove the wood bushing from the router.
- Drop the router into the template and trace along the **outside edge** of the template, **clockwise**.
- Repeat the process until the depth creates a “point” at the peak.
- Follow these steps for each inlay piece.
- Using a saw, cut the wood along the bottom to free the inserts.

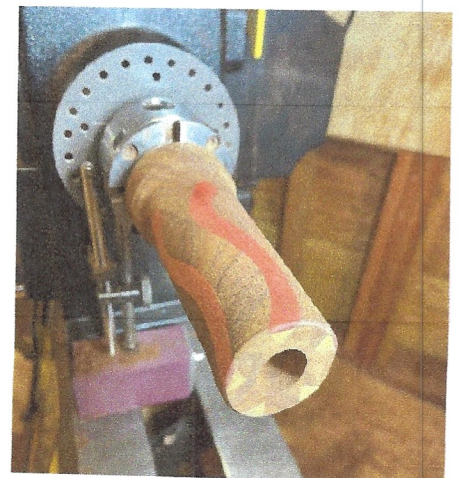
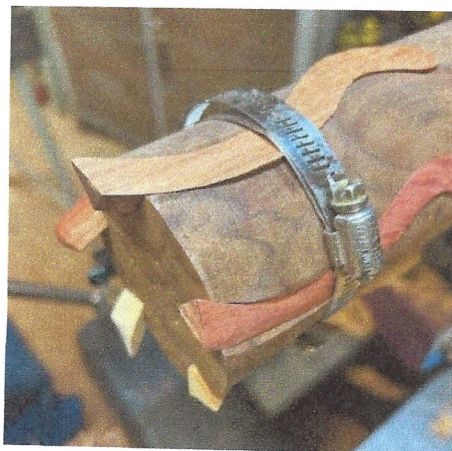


Step 4 – Inserts

Supplies: Cut inserts, glue, hose clamps, razor blade, sandpaper

Directions:

- Return to the lathe and debur the grooves, if needed.
- Glue the inlay pieces into the grooves of the cylinder and secure with hose clamps.
- Allow to dry.
- Knock off any high points of the inlay pieces, if needed.



Step 5 – Turn

Supplies: Hand sander/grinder or saw, lathe, turning tool, finishing supplies

Directions:

- Turn to desired shape and style.
- Finish as desired.