

## BACK SCRATCHER ASSEMBLY INSTRUCTIONS

### Turning a Backscratcher

#### Supplies Needed

- 1 1/4" x 1 1/4" x 14-16" blank
- Epoxy
- 4-Prong Drive Center
- 5/16" Drill Bit
- Revolving Center
- Eye and ear protection
- Sandpaper & finish

#### Layout the Parts

1. Select a blank 1 1/4" x 1 1/4" x 14" to 16" long depending on the backscratcher length desired.
2. Layout the parts in the correct order and mark the center of each end for the coupler and for the drive center.

#### Drilling the Coupler Hole

1. Make sure the hole is drilled parallel to the blank and perpendicular to the end of the blank.
2. Drill a 5/16" hole 7/8" deep in the coupler end of the blank.
3. After the hole is properly drilled, apply some epoxy to the outside on the coupler and inside the hole and press it into the hole.

#### Turning the Handle

1. Mount the blank onto the lathe using a drive center and a revolving cone center, centered in the hole of the coupler, as show in the drawing.
2. Turn the blank down to the match the diameter of the backscratcher coupler.
3. Cut a 5/8" dia. tenon by 5/8" long at the top of the blank for the brass cap to fit on to.

*Hint: you may want to stop the lathe and remove the handle and test the fit of cap and look at your design of the handle.*

4. Sand and finish the handle while the blank is still on the lathe.

#### Assemble the Backscratcher

1. With the handle now finished, glue the cap onto the 5/8" tenon with Epoxy.
2. Wipe a little epoxy on the tenon and also the inside of the cap and press them together. Make sure to wipe off any excess glue that squeezes out with a paper towel.
3. After the glue has set on the cap, screw the backscratcher into the coupler to complete the project.



