

## Turning a Brass Cane Handle

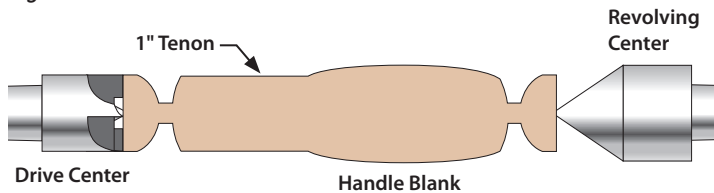
### Supplies Needed

- 3/16" Drill Bit
- Blank
- Glue (Thick CA or Epoxy)
- Sandpaper/Finish
- Drill or Drill Press
- Eye and Ear Protection
- Revolving Center
- Drive Center

### Turning the Cane Shaft

1. Using a tape measure or yard stick, determine the desired overall length of the finished cane. Using this measurement, cut the 1 1/4" diameter cane shaft blank 1" shorter than the desired overall length. When the handle is installed, the cane will then be the correct length.
2. Mount the blank between centers using a 1" or smaller drive center.
3. Turn the handle end of the cane shaft 1" diameter by 11/16" long to fit the brass coupler. Stop the lathe if necessary to check for a proper fit. Be sure to position the cane shaft in the same position on the drive center as before. (See Figure 1)
4. Turn the tip end of the cane shaft to the desired size and shape to fit the brass or rubber tip to be used. Stop the lathe and test the fit of the tenon into the fitting to ensure a good fit.
5. Turn the rest of the cane shaft to the desired size and shape. Sand and finish the cane shaft while on the lathe.

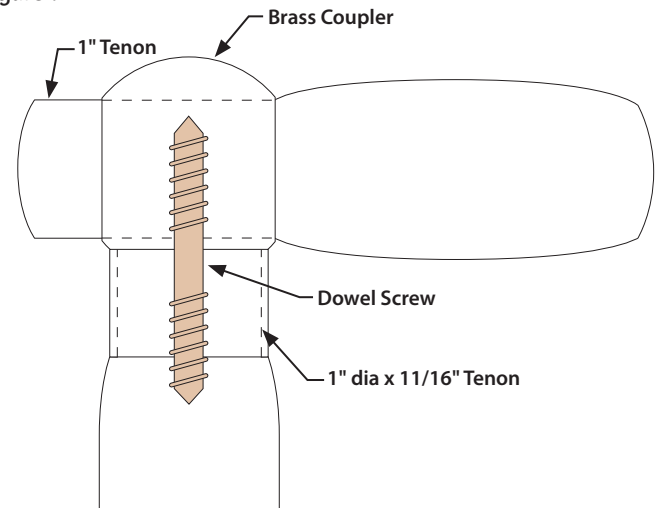
Figure 1



### Turning the Handle

1. Determine the desired length of the finished handle. Using this measurement, cut the 1 3/8" square handle blank approximately 1" longer than the desired finished handle length.
2. Mount the handle blank between centers on the lathe and turn it to round.
3. Turn the handle to your desired shape leaving a 1" diameter tenon on one end that will slip through the brass coupler. Stop the lathe and test the fit of the tenon and brass coupler frequently to ensure a proper fit. (See Figure 2)
4. Sand and finish the handle while on the lathe. Trim the excess wood from the ends of the handle and finish the ends.

Figure 2



### Cane Assembly

1. Drill a 3/16" x 1 1/4" deep hole into the handle end of the cane shaft using the center mark made by the drive center. Thread the dowel screw into the hole until 1" is exposed.
2. Slide the brass coupler into the desired position on the handle. Holding them firmly in place, make a mark on the handle using a pencil or pen through the hole located inside the brass coupler. Remove the brass coupler from the handle and drill a 3/16" diameter hole 1" deep in the center of the handle using the reference mark.
3. Slide the brass coupler onto the handle, align the hole in the handle with the hole in the brass coupler then thread the complete handle assembly firmly onto the dowel screw until properly seated to complete the cane.