

## **Windy City Spinning Guild**

### **Making CD Hand-Spindles**

**Supplies needed:** CDs, 2 per spindle; grommets 5/16 & 7/16 I.D.; dowels 5/16 & 7/16, cut 12" long, Gorilla glue, marker, screw eyes, carpet warp or string (for making a leader).

**Tools needed:** saw (for wood), graduated sandpaper, soldering iron, pliers with duct tape on the tips, drill, clippers (e.g., cuticle clippers) reserved for this purpose, scissors.

#### **Process, part A:**

1. Glue 2 CDs together with Gorilla glue in 4 spots; weigh down with a book, and let set for a day,
2. Using the soldering iron, burn a groove in the edge of the CDs.
3. Right away, use cuticle clippers to cut away the excess plastic around the groove.

#### **Process, part B:**

1. Cut dowels into 12" lengths.
2. Sand dowel until it is smooth all over. Using rough to finest sandpaper.
3. Mark the center point of one of the dowel ends.
4. Insert the grommet into the hole in the CDs. Lift the grommet flange with your fingernail all the way around, so it's well seated and even. Do this on both sides of the CDs.
5. Insert the CDs onto the dowel by putting them on the end that has the center mark. Push the CDs down until they are about 2" from the top of the dowel.
6. Drill a starter hole in that center mark.
7. Using the pliers (which have duct-taped tips), open up the screw eye about 1/16<sup>th</sup>.
8. Screw the screw eye into the starter hole on the end of the dowel.
9. Position the CD groove so it's at a 90-degree angle to the position of the screw eye hook.
10. Adjust the CD so it is perpendicular to the dowel.
11. Cut a length of carpet warp that is 1 yd long. Tie one end to the shaft of the spindle with a square knot, leaving a short tail. Make a loop in the distal end that 3 fingers will fit in, and tie an overhand knot.

#### **Notes on dowels and grommets:**

The 5/16 grommet goes with the 5/16 dowel. The 5/16 dowel is painted yellow on one end. The 5/16 grommet has the following specs: I.D. 5/16; O.D. 5/8; thickness 1/4; groove diameter 7/16; groove width 1/16. About \$0.25/each, hardware store.

The 7/16 grommet goes with the 7/16 dowel. It's painted green on one end. The 7/16 grommet has the following specs: I.D. 7/16; O.D. 3/4; thickness 1/4; groove diameter 9/16; groove width 1/16. About \$0.35/each.