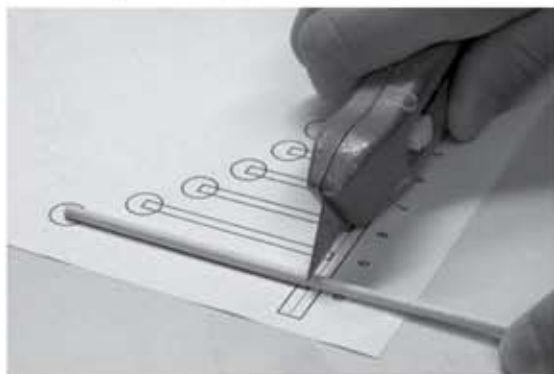


56. Arch Rail Assembly: You may wish to remove this page from the instructions... there are many steps that have "let the glue dry" and you will want to skip ahead to other sections while you are waiting

A. 1. Paint (first coat) and sand the Arch Rails, the $\frac{3}{16}$ " Stripwood, the 18" lengths of $\frac{1}{8}$ " Dowel, and the $\frac{3}{8}$ " beads.

2. Lay a Dowel on the Arched Railing diagram, lined up with one end of a dowel on the diagram. Press down with a utility knife on the other end of the dowel-length and roll the Dowel so the knife makes a cut all the way around. Snap off the Dowel at that cut. Make 4 Dowels of each length, and keep them organized by length (it is easy to confuse the shorter lengths)

3. Roll a little glue on the edge of one end of each Dowel, and glue it into a Bead. Twist the Dowel as you push it into the Bead to spread the glue.



Note: This diagram will not print to scale on many printers. Compare the length of the printed diagram to your Arch Rail. If it is not the same, talk to your computer wizard or adjust the 'scaling' for printing a PDF file in your printer settings

B. 1. Put the Arch Rail on its side on the diagram, lined up on the ends. Tape the Rail to the diagram so it won't move.

2. Start with the shortest Dowel/Bead sets. Dip the end of a Dowel/Bead into a puddle of glue and push it into the Rail's groove at the diagram's location for that rail-length. Line up the Rail and Bead carefully with the diagram. Repeat for each length to the longest. You now have half of one Rail filled with Dowel/Beads. Adjust the parts to perfectly match the diagram and let the glue dry for a few minutes, then turn the diagram around and start from the middle again, filling the other side. Adjust the parts and let the glue dry.

C. Cut two pieces of $\frac{3}{16}$ " Stripwood $10\frac{1}{2}$ " (the same length as the Rail). Spread glue on the Stripwood and put it under the Dowels, lined up with the Rail on the ends, and spaced $\frac{3}{16}$ " from the Rail. Add a little weight and let the glue dry.

D. Repeat all the above for the second Arched Rail.

