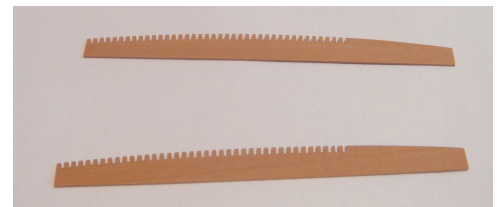**Making curved gratings – Scott Bradner**

After presenting the method for making gratings described in another file on this page I was asked if there was a way to make curved gratings using the same method. After some thought I came up with the following.

Assume you are making a grating that is flat along one axis and has a convex curve in the other dimension.

After laminating enough wood strips together to cover the flat dimension you sand the laminate across the laminations to get a profile that corresponds to the convex curve. You then make slots in the now curved face of the laminate.

When you dissolve the glue away you will get a bunch of strips that are curved on one edge.

Put the strips in the assembly jig flat side down and assemble the grating as shown in the other description. You cannot easily cut off the excess wood strips with a fret saw as shown in the other method because of the curve but cutting them down with a sharp knife works fine. After roughing off the strips finish them off with sandpaper to the proper curve.

Note that, unlike the flat gratings the top side (the one facing up when it is in the assembly jig) will be the top of the final grating.

Then make a support block of wood by sanding out a concave space to correspond to the convex curve on the gating.

Glue the newly assembled grating face down on the support block, using lots of Ambroid glue. Carve off the excess wood strips with a sharp knife and finish the convex side of the grating with sand paper.

Dissolve the Ambroid and trim the new grating to the final size.