

# Stacked Ring Lamination

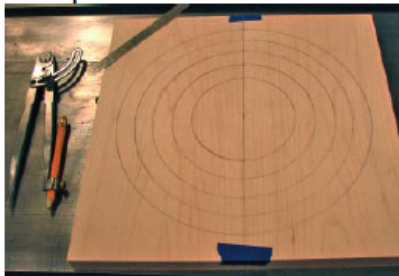
By Mark Damron

At the April 2008 COW meeting, Mark Damron demonstrated Stacked Ring Lamination. His handout materials are available for download from <http://www.donleman.com/cows>.

## From Board to Bowl

If you have collected a lot of lumber over the years like I have and are looking for a new project, then stacked ring lamination may be what your looking for. It is a process in which rings are cut from a flat board at predetermined angles and ring widths, then stacked and glued to form a bowl. The most common method is to cut half rings from two boards and glue them together to form solid rings.

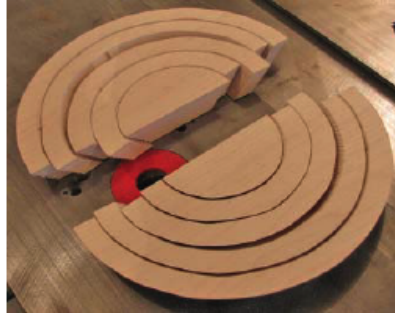
To get started, choose two boards and lay them side by side. Hold the two boards together with tape so you can draw the rings with a compass.



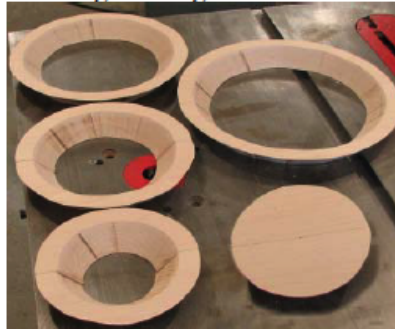
For this project, I recommend using 3/4" lumber with 3/4" wide rings cut at a 45 degree angle. Remember the ring widths and cut angles are key to this process. Set your bandsaw table at 45 degrees and cut the rings.



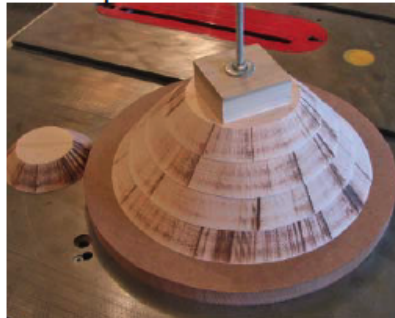
Make sure to lightly sand all the edges of the rings to get rid of any burrs.



Glue the half rings together and lightly sand the top and bottoms of each glued ring on a flat board.



Next stack and glue the rings together, using a round of MDF with a rod threaded through it and a block tightened down on the rod to hold the pieces taut.



After the glue sets up on the rings, glue on the base. There are several ways for mounting the completed glue-up on the lathe.



You can glue a waste block to the blank and use a face plate or you can cut a tenon on the waste block or blank to hold in a chuck.



There are many different design possibilities because you can use different woods together, and by rotating the rings when gluing, you can come up with endless combinations and patterns. Basically your mind is the limit! •