## Bowl from a board - Loop Design

## Build the Board

The smaller of the length or width for your board will be the maximum diameter of the bowl you intend to build. A good rule of thumb is to build the board with a thickness between $3 / 4^{\prime \prime}$ and $1^{\prime \prime}$.

Start with a design in mind, See figure 1, 2 and \#3 below. This is a unique design that will require you to build two boards, called "board A" and "board B".


Figure \#1

See Figure 2 below for the detail sections required to build Board $A$ and Board $B$ boards.


Board B


Each strip is $1 / 8^{\prime \prime}$ wide


| $\begin{array}{l}\text { 11/8" wide } \\ \text { 3/16" high } \\ \square \\ \square\end{array} \quad \begin{array}{l}\text { X } 4 \text { for board } A \\ \text { R } 6 \text { for board } B\end{array}$ |
| :--- |



Figure \#2
In figure 3 below the idea is to alternate rings from board $A$ and board $B$. The bowl on the left in figure 3 has starting at the bottom has a ring from board $B$, and then a ring from board $A$, alternating between board $A$ and board $B$. The very top row has a special row that will be added after the bowl is glued together.


Figure \#3

In figure 4 below shows how the raw stock needs to be glued up, center strip and two outer strips. You will need enough stock made to build all of the pieces shown in figure 2. Figure 5 shows the finished stock cut and sanded. In figure 6 the center stock is sandwiched between a light color. When the glue is dried on the piece from figure 6 , it will be sliced as shown in figure 7.


With the pieces created in figure 7, you will need to glue them to the center stock as shown below in figure 8. It is very critical to have the top piece aligned with the bottom piece shown in figure 8. In figure 9 cut at 45 degrees to create the corner shown in figure 10. A better way than using clamps is to glue of the corners and use rubber bands wrapping the pieces. By using rubber bands, it creates self-centering corners,


In figure 11, 12 and 13 shows further gluing and clamping. It is extremely important to make sure all pieces are exactly the same size. If there are size differences, it will create misalignment when you go to glue up the rows together.


Figure \#13


Figure \#14


Figure \#15


Figure \#16

In figures 14, 15 and 6 above show how the pieces are glued together. In figure 17 below shows how each ring (row) are cut out using the scroll saw. In figure 18 the rings are glued together.


Figure \#17


Figure \#18


Figure \#20

Figure \#19
In figure 19 and figure 20 the caps are glued on the top row. You will also need to glue pieces to fill in the sides of the caps as well.


Figure \#21


Figure \#22

In figure 21, a top ring was added.

