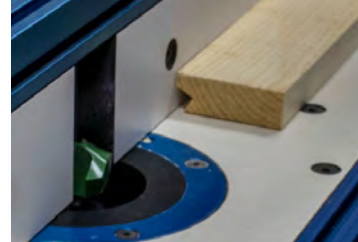
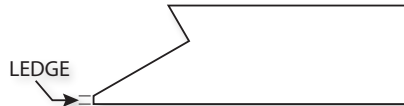


# Beads of Courage Box Creation Steps

Step 1: Prepare wood stock into  $3/4'' \times 2 \ 3/8'' \times N$  (where N = whatever length of stock you have in your shop. Sand stock.

Step 2: Run a groove with a birds mouth 12 sided bit set to a height of  $11/32$  until there is a ledge of about a  $1/16$  left. This ledge is necessary to run along the fence as you route the board. You can then run these lengths through a planer or sander to remove the ledge. This provides a smoother surface on the inside of your box.



Step 3: Cut these lengths of stock down to 6". You will need 12 pieces to complete one box.

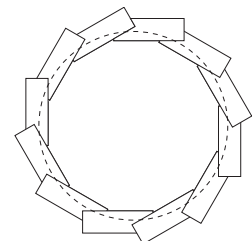
Step 4: Lay pieces out with the long side facing the inside of the box.

Step 5: Route a  $3/8''$  dado,  $1/4''$  from the bottom edge into each piece  $1/4''$  deep to accept the base.

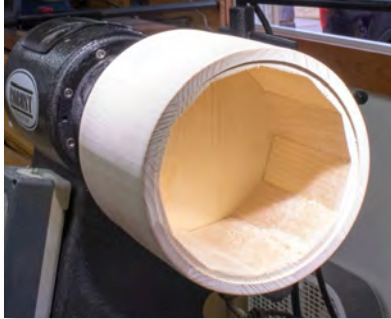


Step 6: Prepare a  $3/8'' \times 6 \ 3/8''$  round blank as the base and sand to desired finish.

Step 6: Glue all joints and working quickly, assemble the staves capturing the bottom into the dados and clamp with bands. Set aside to dry.



Step 7: Mount dried box assembly to your lathe, with an expansion chuck and support from your tailstock utilizing a cone shape plug, and turn the outside round and cut a rabbet into the lip to accept the lid approximately  $6 \frac{3}{8}$ " x  $\frac{3}{8}$ " deep. Sand to desired finish.



Step 8: lay out a  $\frac{3}{8}$ " piece of baltic birch plywood and scribe a  $6 \frac{3}{8}$ " circle. Drill a  $\frac{1}{4}$ " hole in the center, take to the bandsaw and cut the piece out leaving the scribed line plus  $\frac{1}{16}$ " -  $\frac{1}{8}$ " which will be finished at the lathe or sanded off.

Step 9: Mount the lid blank on lathe and turn or sand piece down to a  $6 \frac{3}{8}$ " circle.



Step 10: Turn a knob and button which accept a  $\frac{1}{4}$ " dowel and insert through lid and glue pieces together to make a tight fitting knob.



Step 11: Finish as desired.

Document prepared by:  
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