



Digital Patterns

Designed by
Steve Good

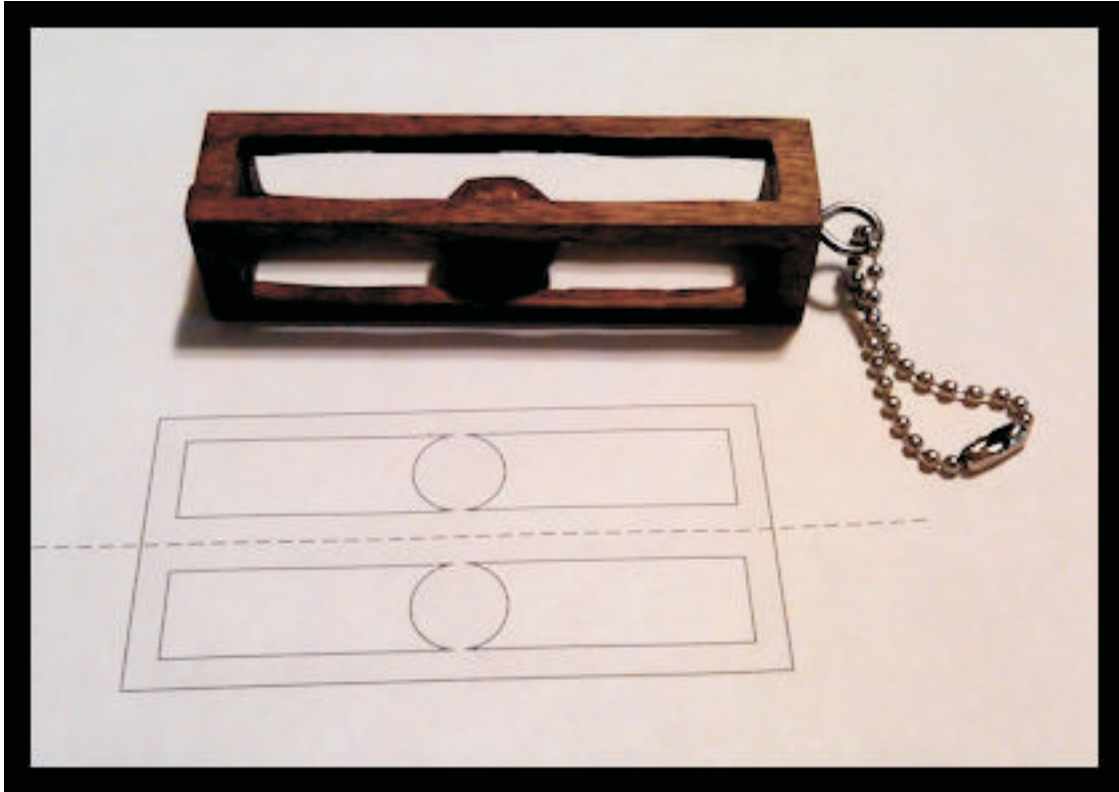
www.scrollsawworkshop.blogspot.com

Home of Scroll Saw Pattern Printer
and the Scroll Saw Key Chain Printer



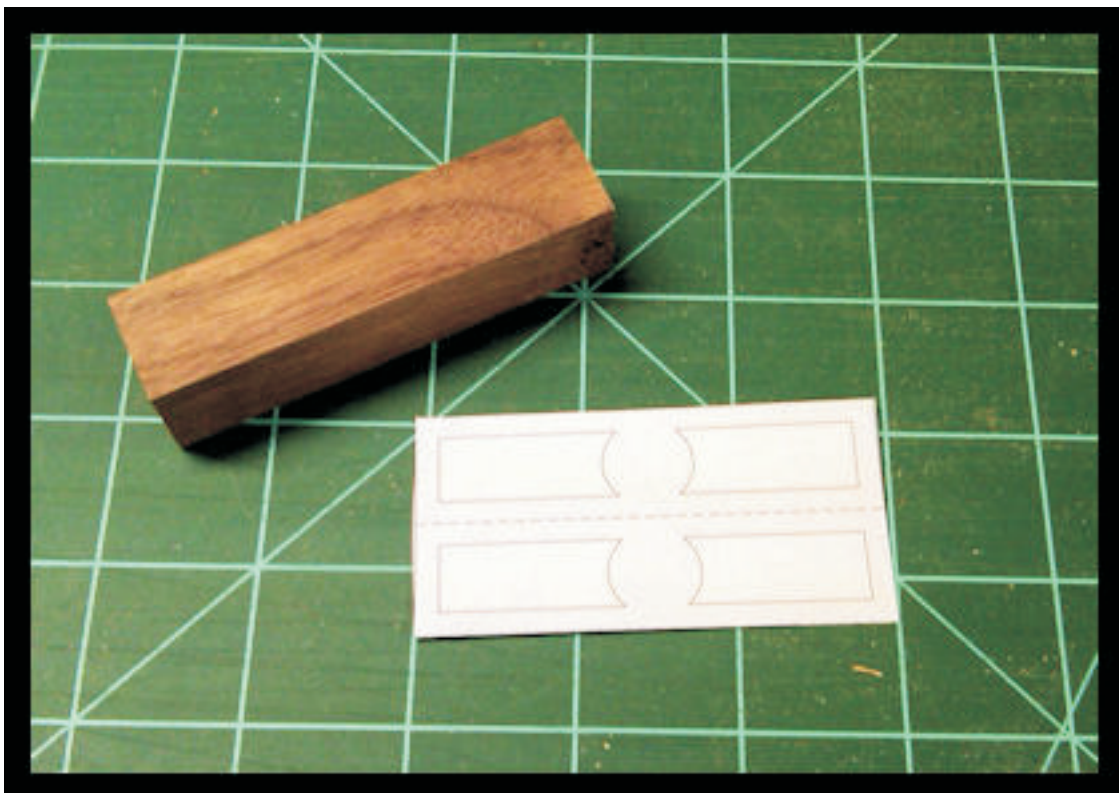
Note to commercial print employees: I give my permission to print as many of this pattern book as your customer requires.

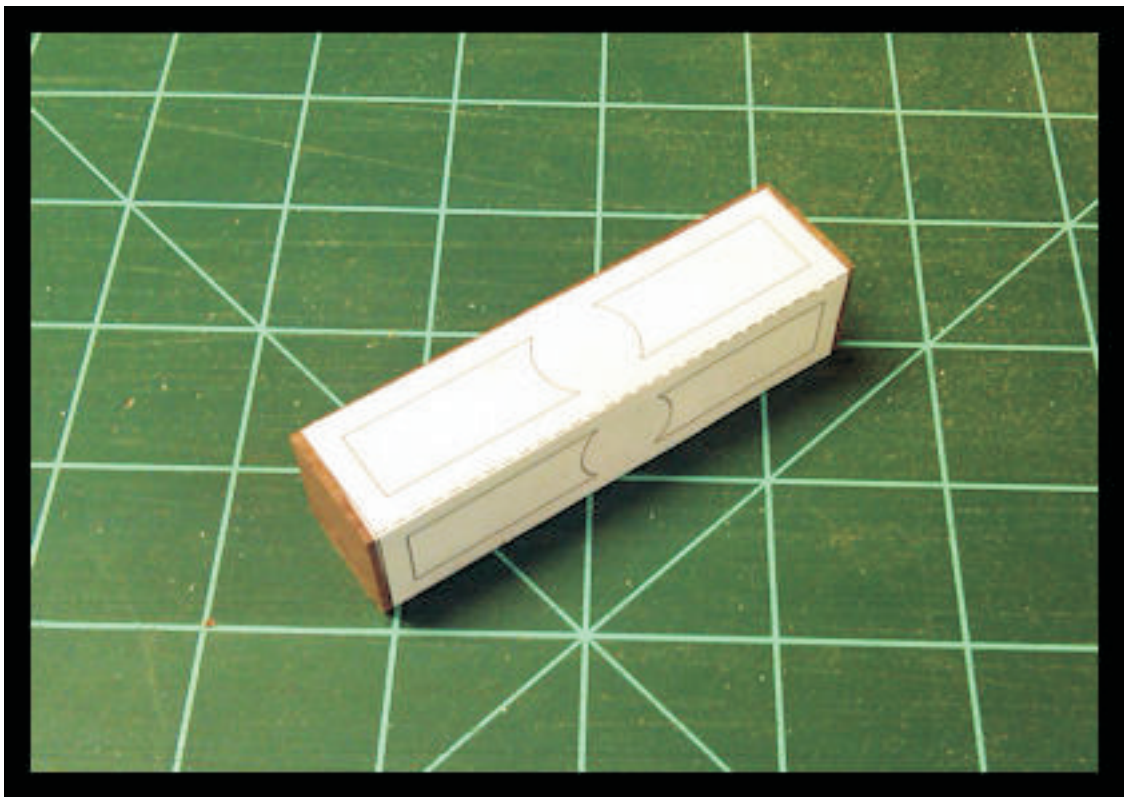
Ball And Cage Carving.



Prepare your wood blank .75 X .75 X 3 inches.

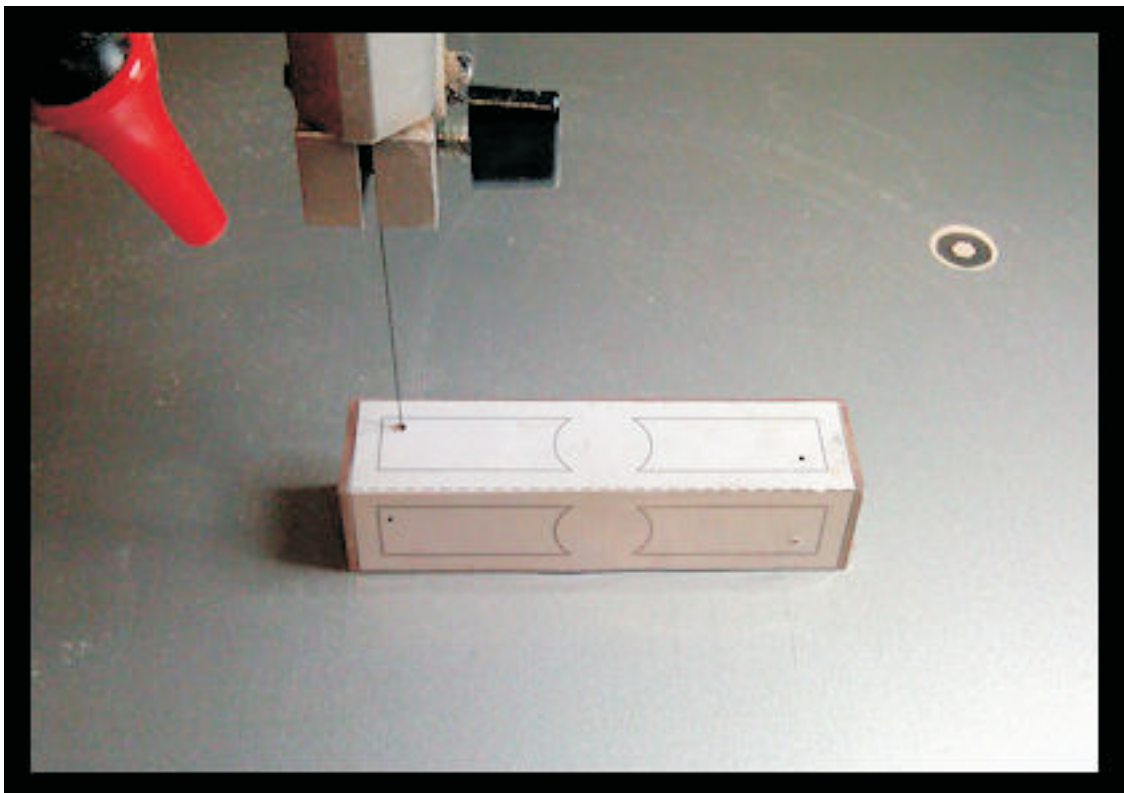
Cut out the compound pattern.



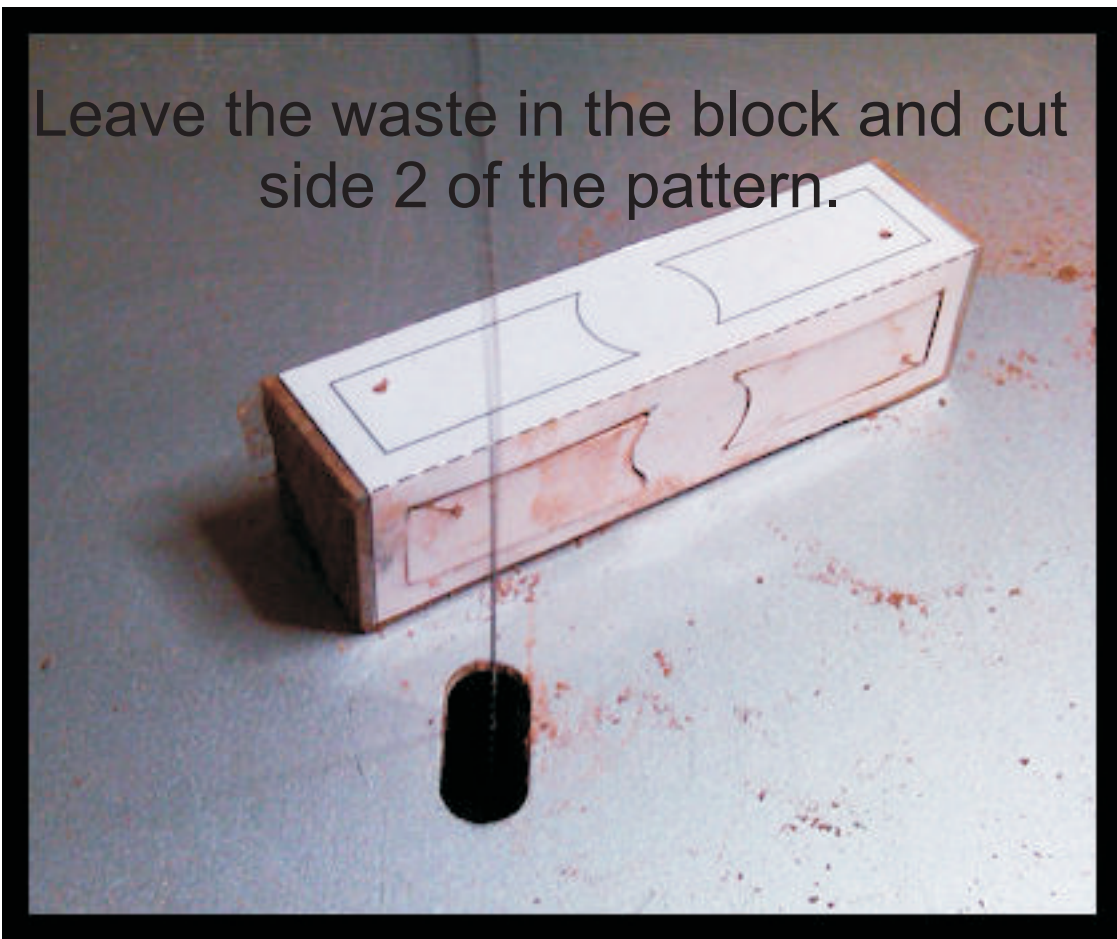


Apply the pattern to the block
folded on the dotted line.

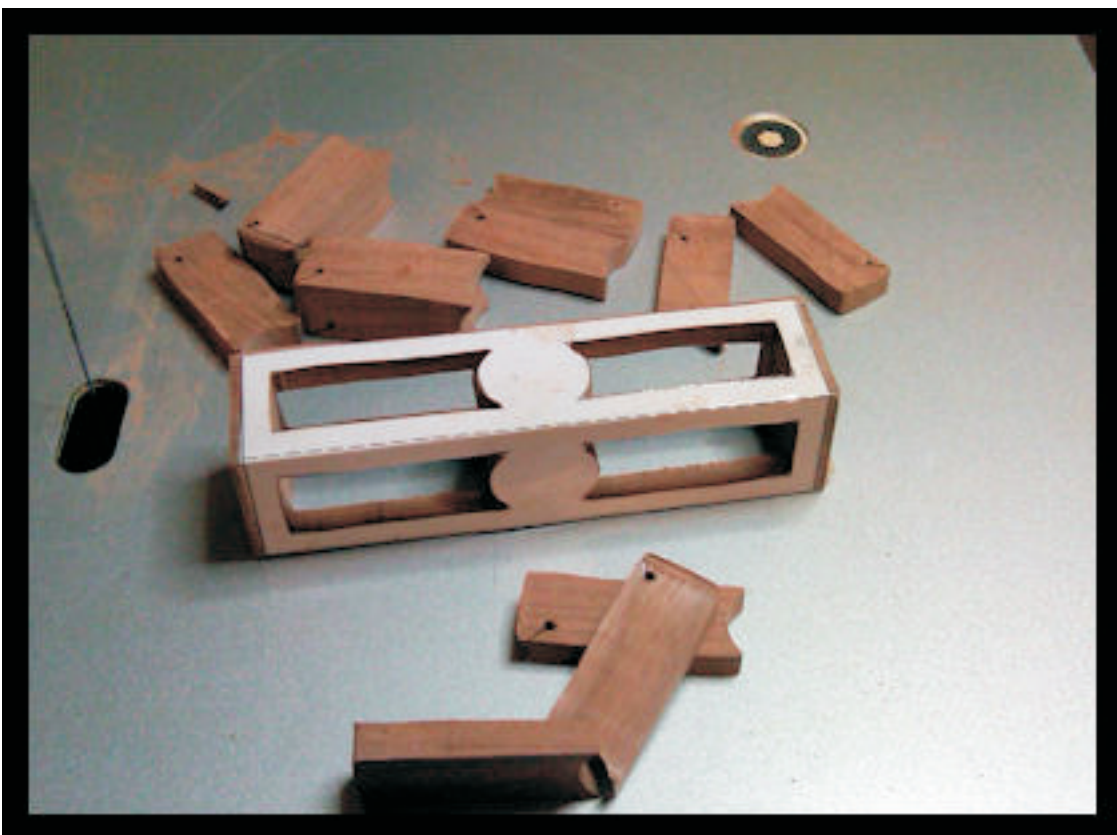
Drill the interior and begin to
cut side 1 of the pattern

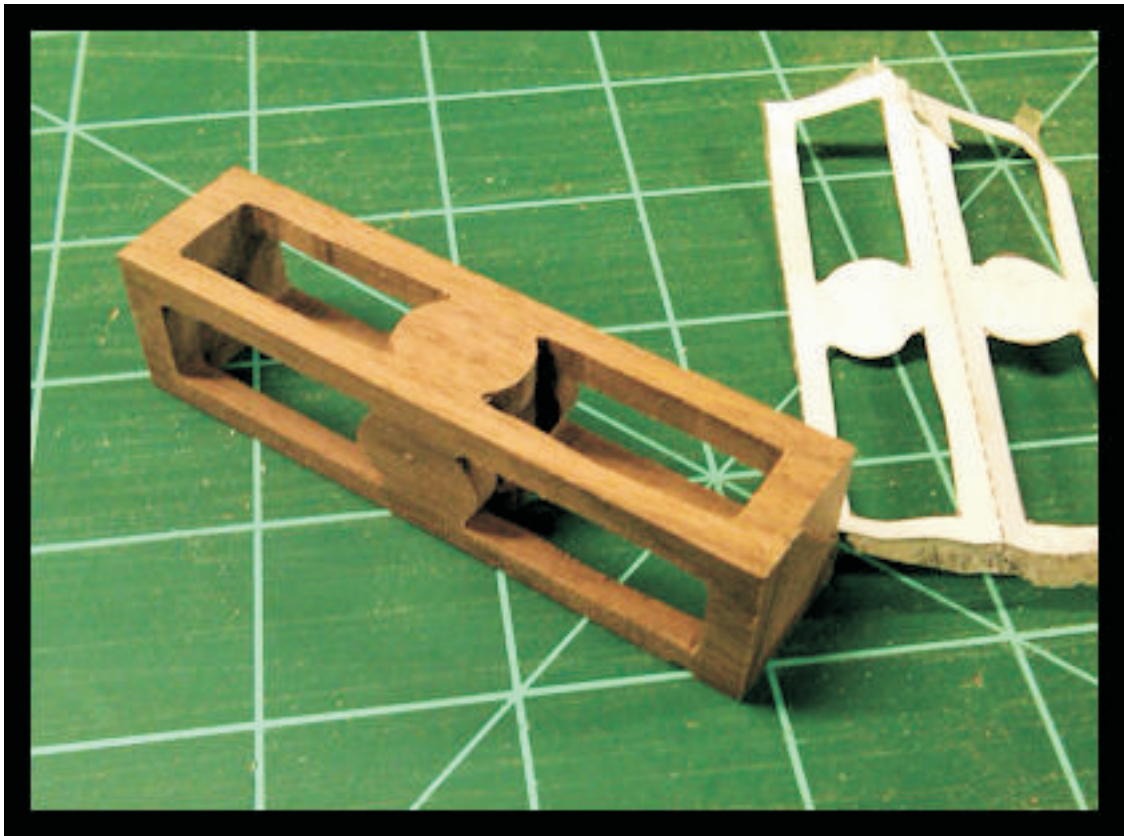


Leave the waste in the block and cut
side 2 of the pattern.

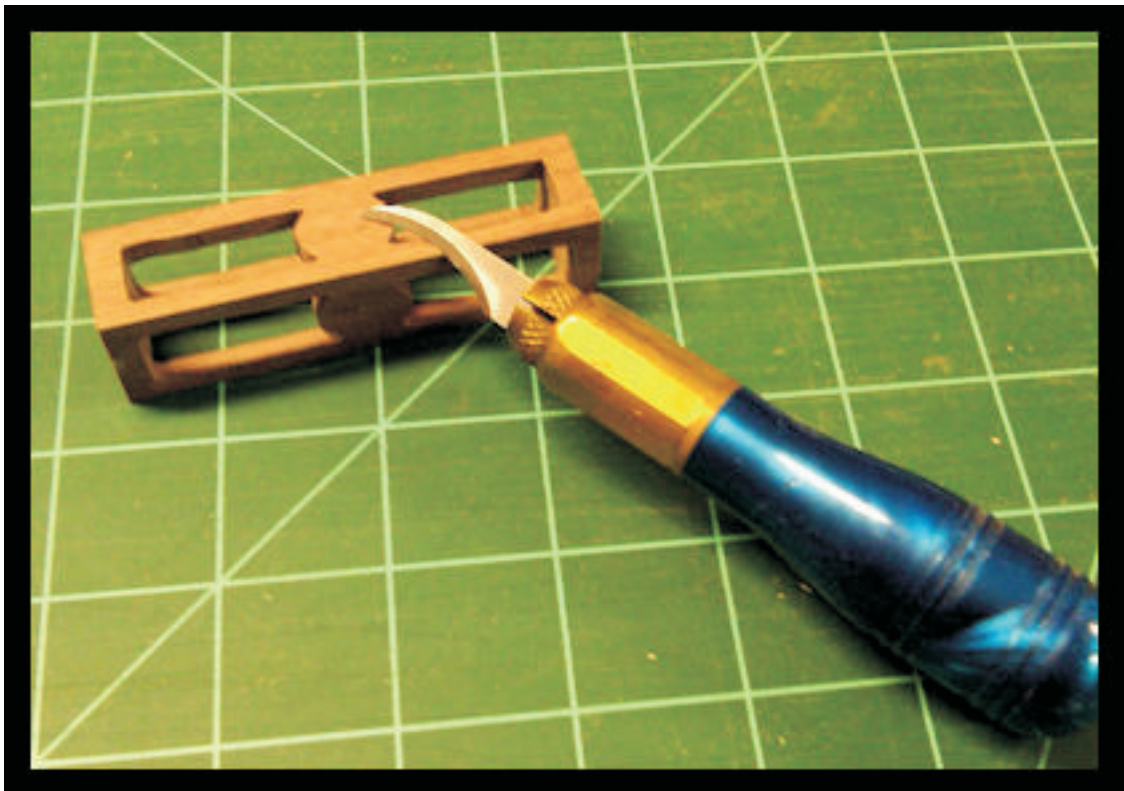


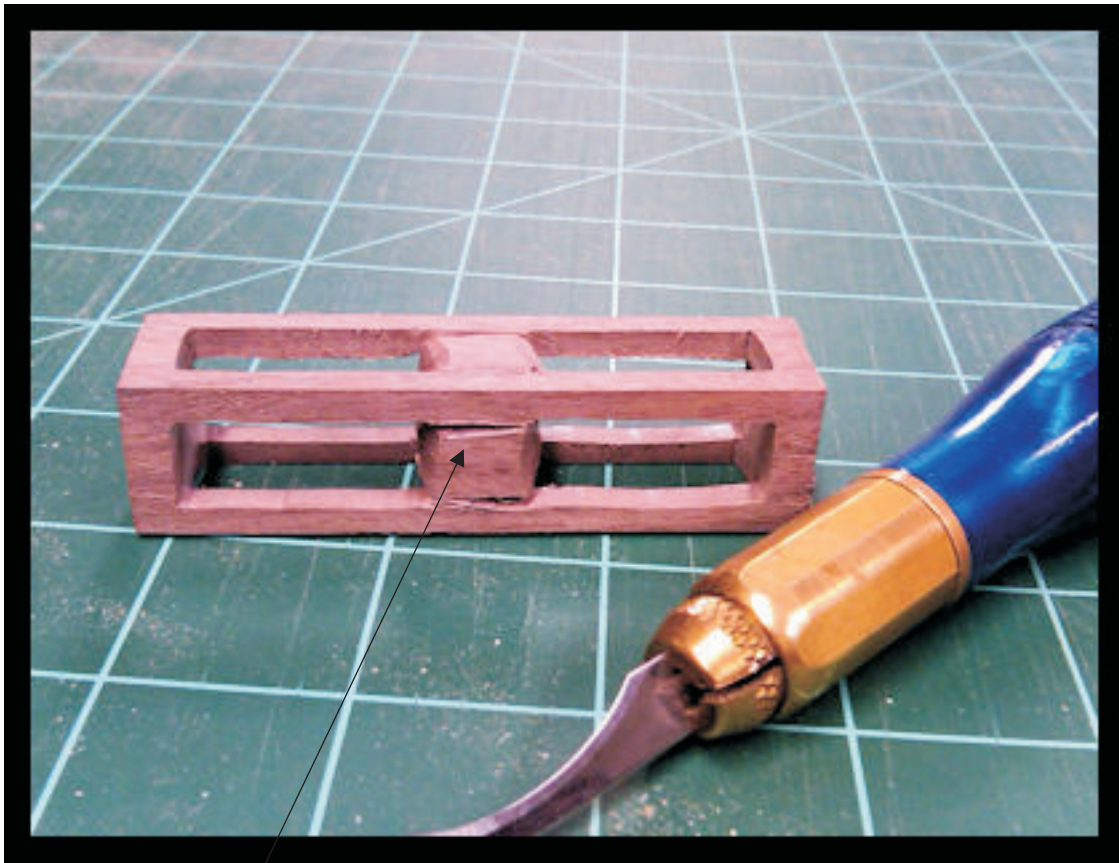
Remove all the waste.





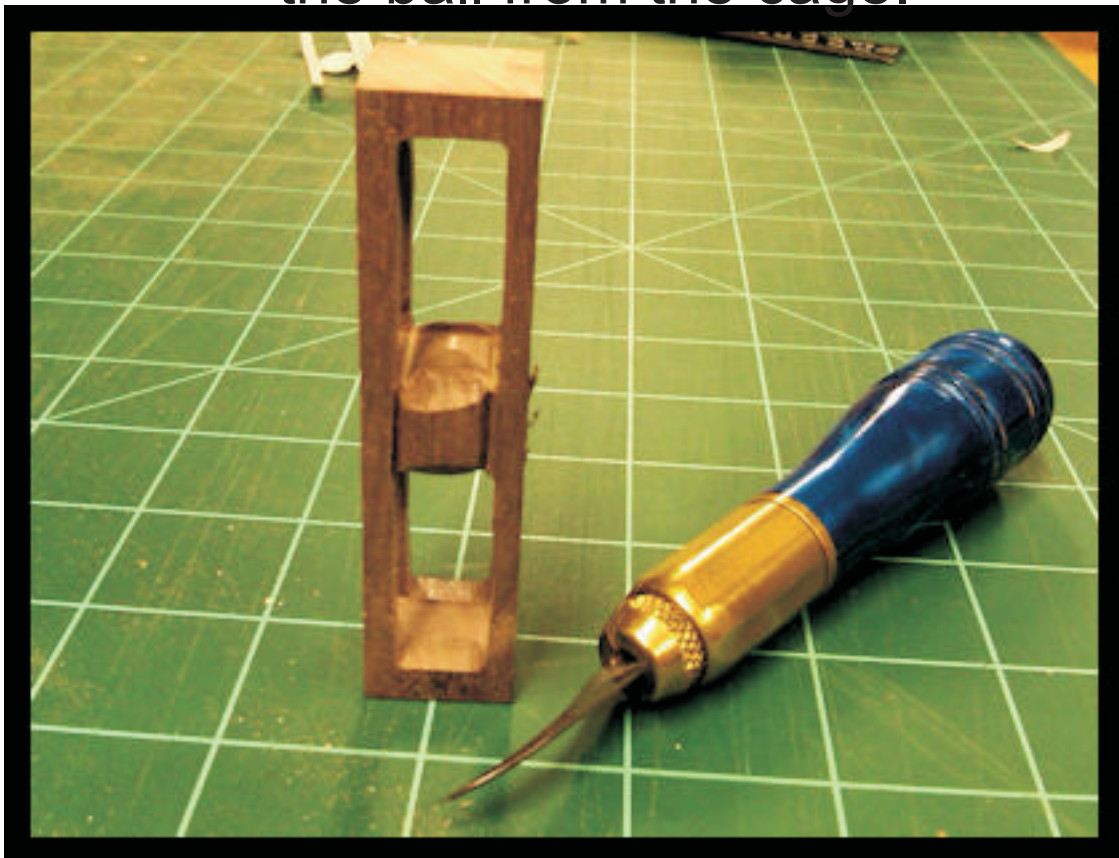
Remove the pattern and prepare to carve.

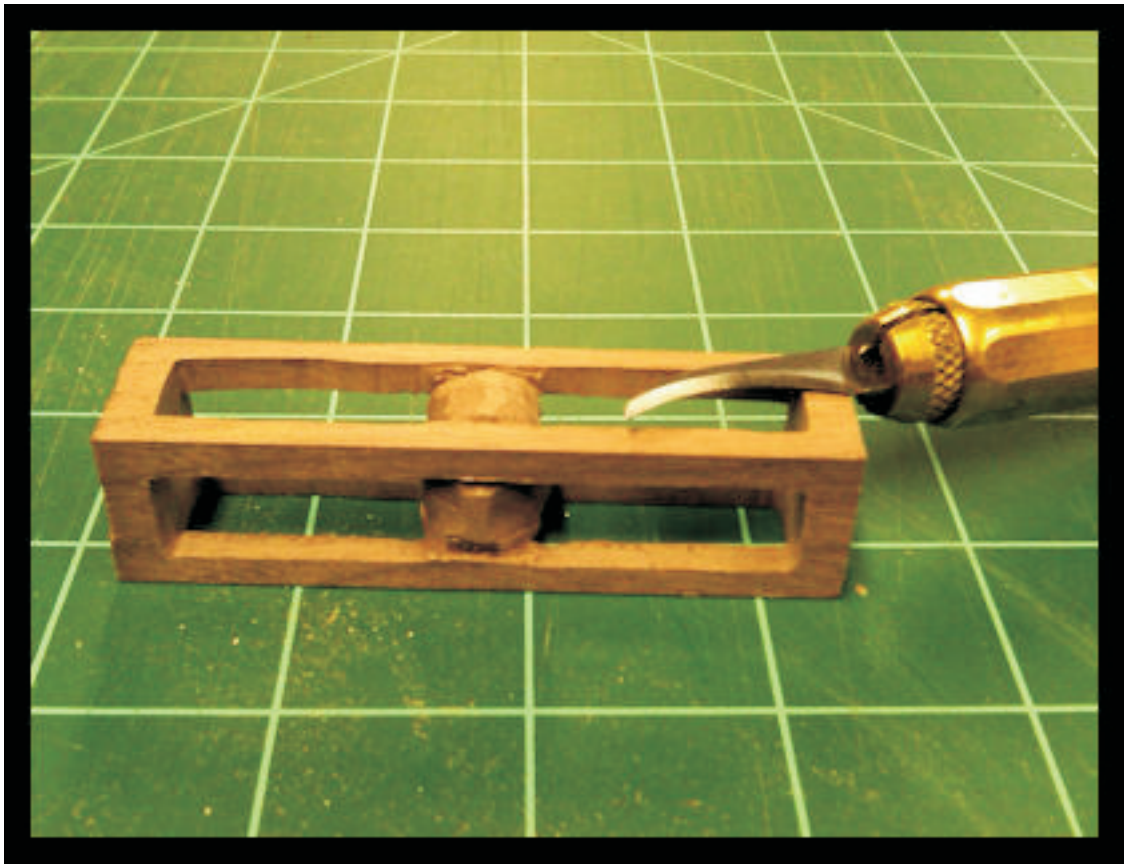




Make stop cuts where the ball intersects the cage.

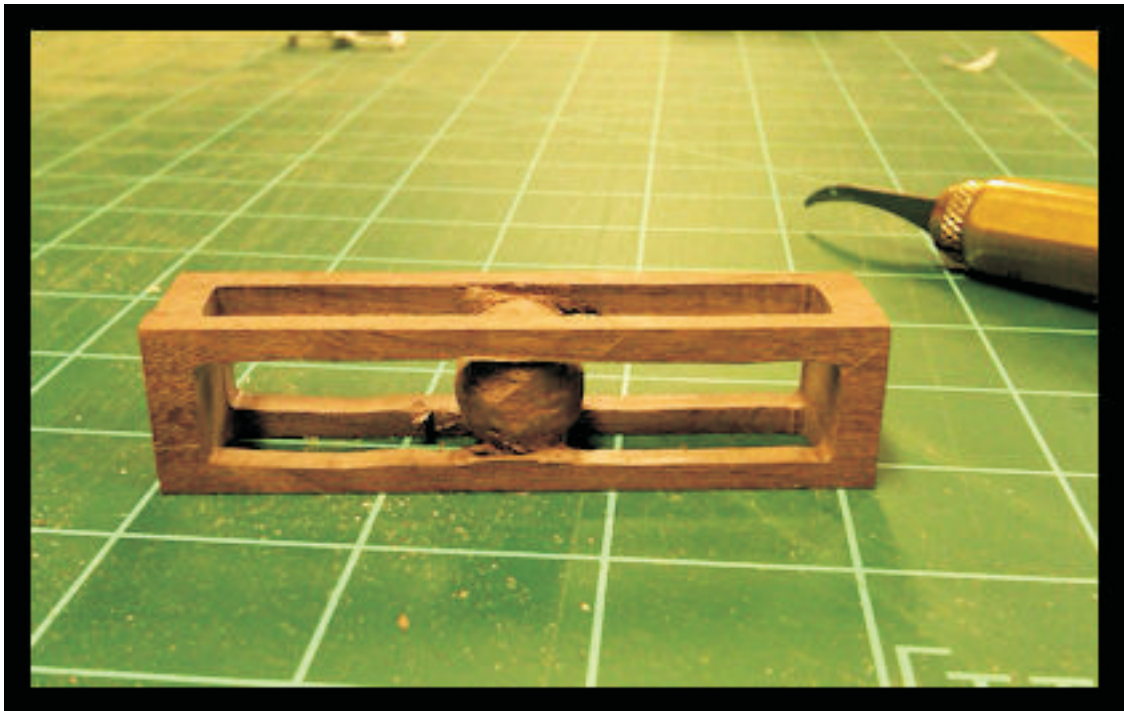
Make small slicing cuts to begin to free the ball from the cage.

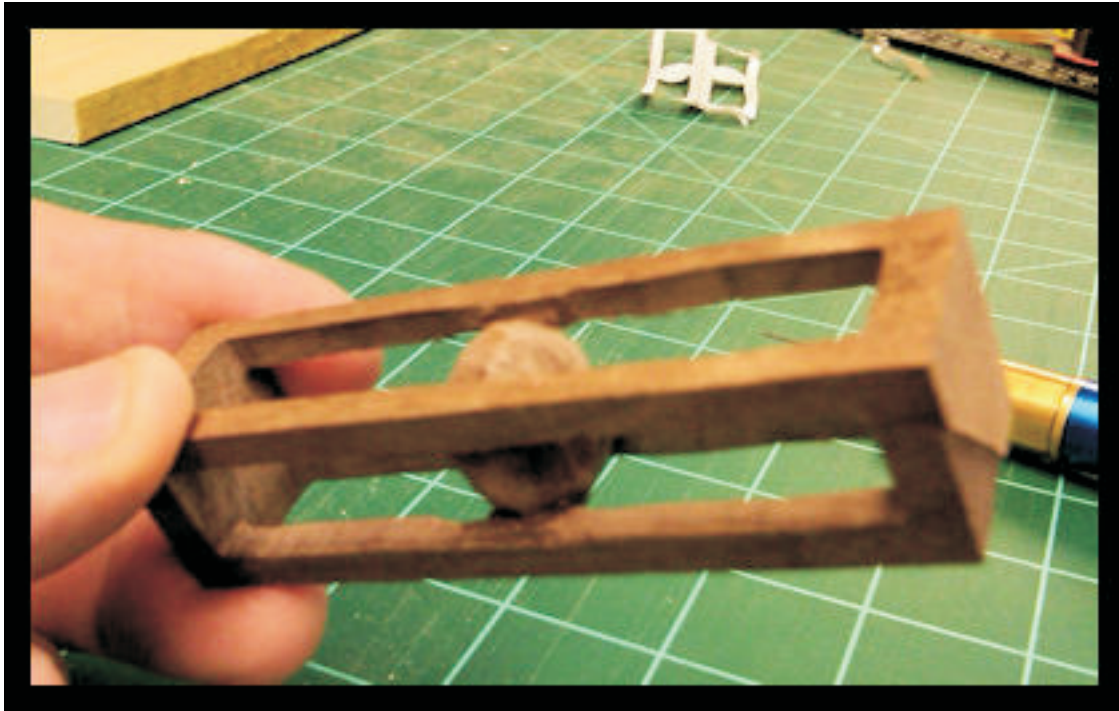




Begin to round and smooth the ball.

Don't free the ball from the cage until you have a relatively round ball. Keeping it attached until the last minute makes it easier to carve.

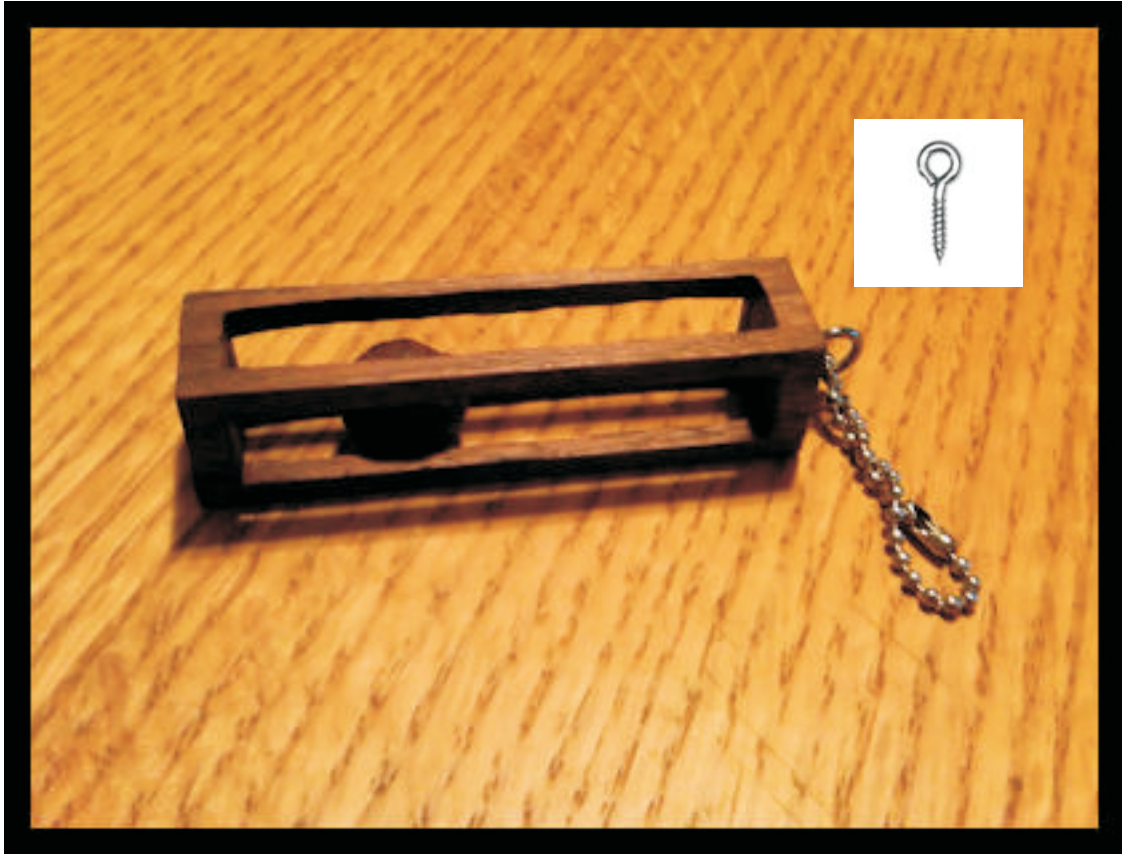




I'm just about to free the ball in this photo. Make very easy plunge cuts to free the ball. You have to be careful not to apply too much pressure to the cage as you round the ball.

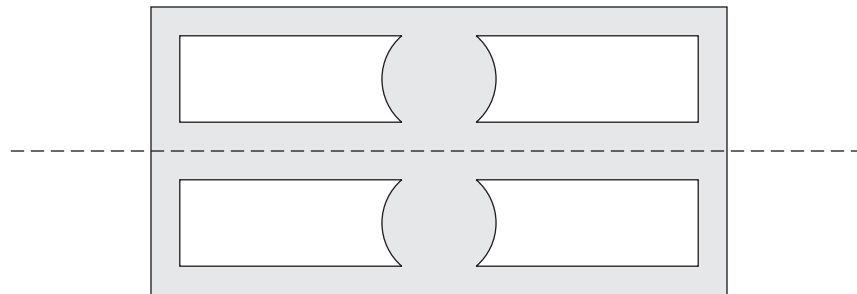
After the ball is free you can continue to make small cuts to round the ball. Move the ball to the bottom of the cage to help support it while you cut.

Continue carving and sanding both the cage and the ball until it rolls freely inside the cage. Careful not to get the ball too small. You don't want it to come free.



I just apply an oil finish. If you want to make a key chain use a eyelet screw and ball chain.

You need a block of wood
.75 X .75 X 3 inches long.



I used walnut. It carves pretty well
and takes a nice oil finish. Bass wood
would also be an excellent choice.