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Designed by Steve Good



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General Pattern Information



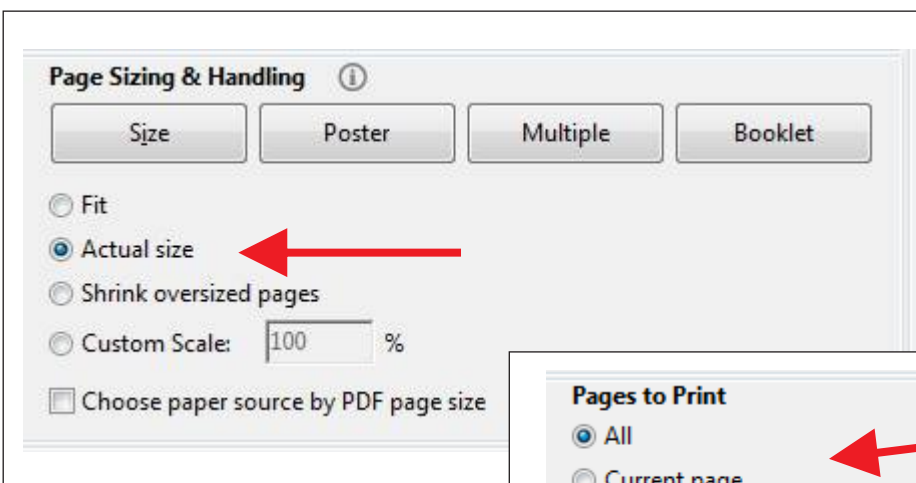
You may use this pattern to make as many of the project as you like. You are free to use any technique including mass production to build the project. The pattern may be copied and given to others provided the entire book is kept intact. You may not sell the pattern or include it in another commercial package of any type.

Steve Good retains the right to the pattern. If you have any questions about the use of this pattern please contact me at steve@stevedgood.com

Printing Instructions

When printing this pattern it is important to print it full size. When you bring up the print dialog box look in the "Page Sizing & Handling" section. Make sure the "Actual Size" is selected before you hit print.

You also only need to print the page/s you need. After the print dialog opens look for the "Pages to Print" section. You can print the current page or a range of pages. This will help save ink by not printing the title/instruction pages.



8.5 inch long giutar.





Cut the body from 3/4" thick wood.



Cut the bottom from 1/8" thick wood.
I used Baltic birch plywood.



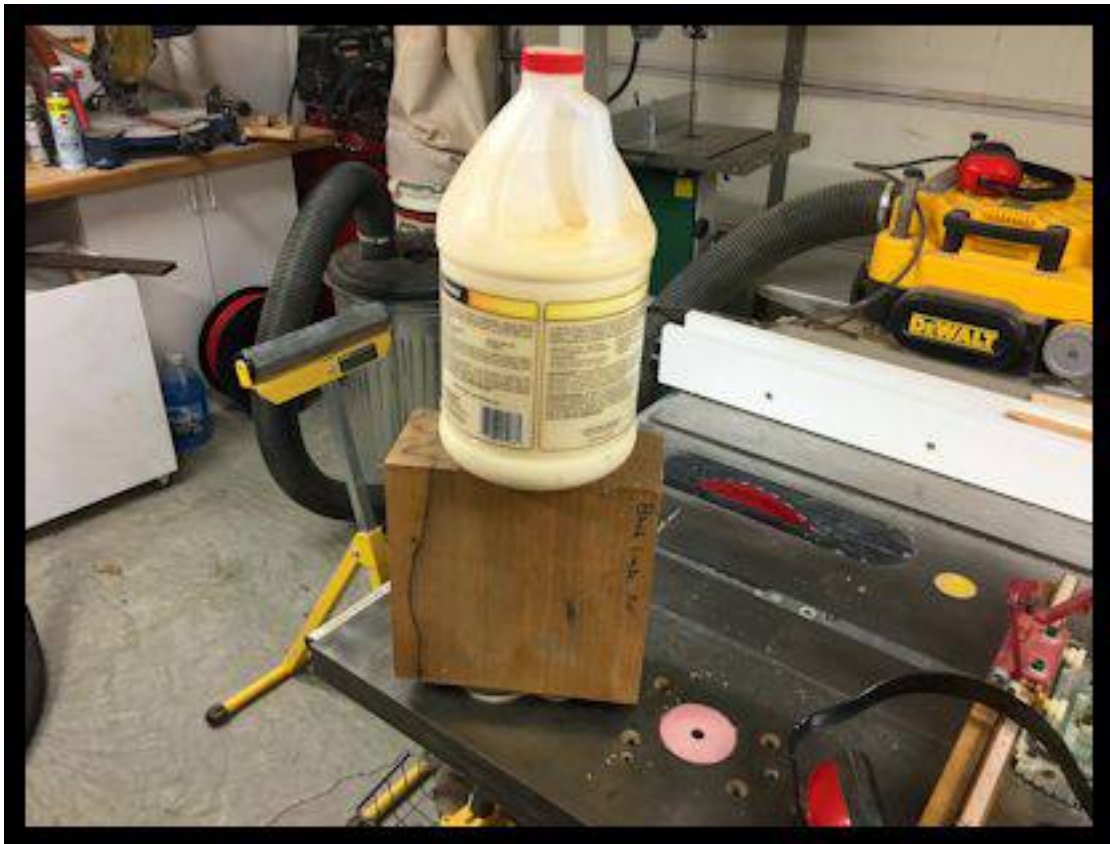
Cut the top from 1/8" thick wood.
Before you remove the pattern make a dent where
the lead edge of the bridge goes. This will make it easier
to glue the bridge on.



Cut the bridge, saddle and pick guard from 1/8" thick wood. Use a 1/16" diameter drill bit to drill the six string holes.



Glue the bottom to the body.



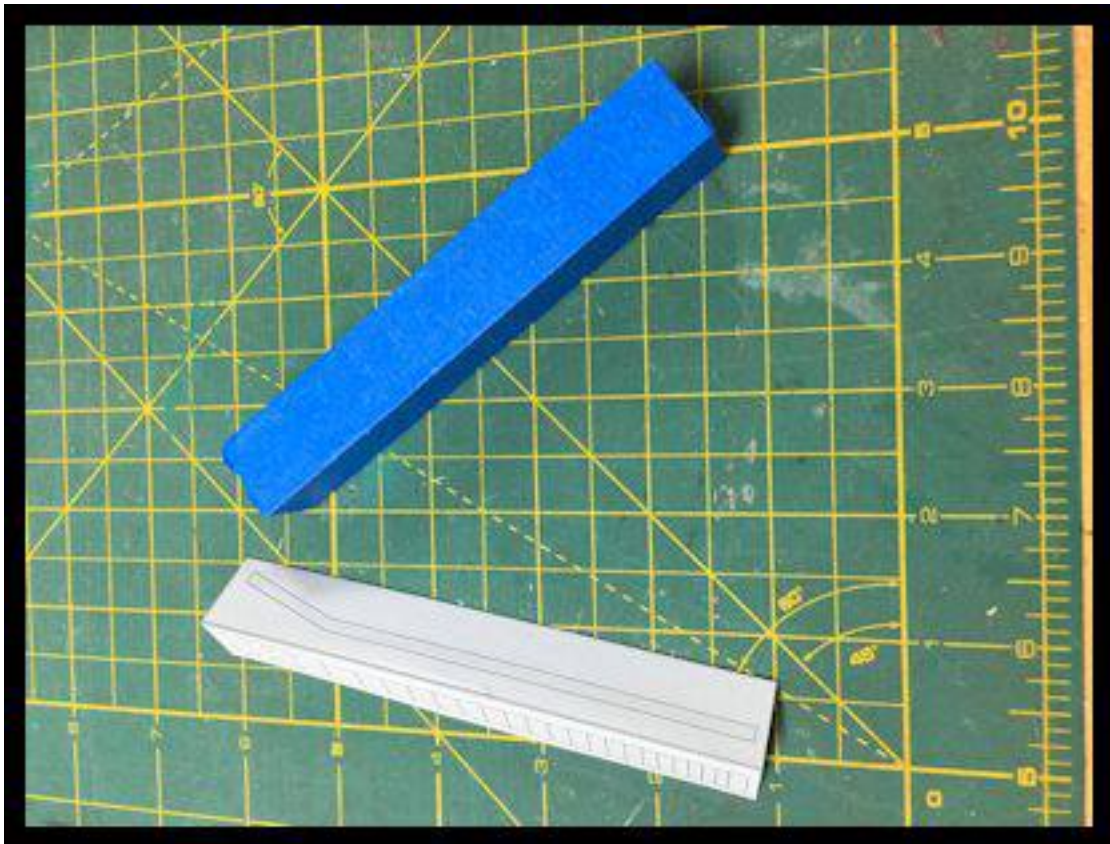
Clamp the bottom to the body. I just used heavy weight.



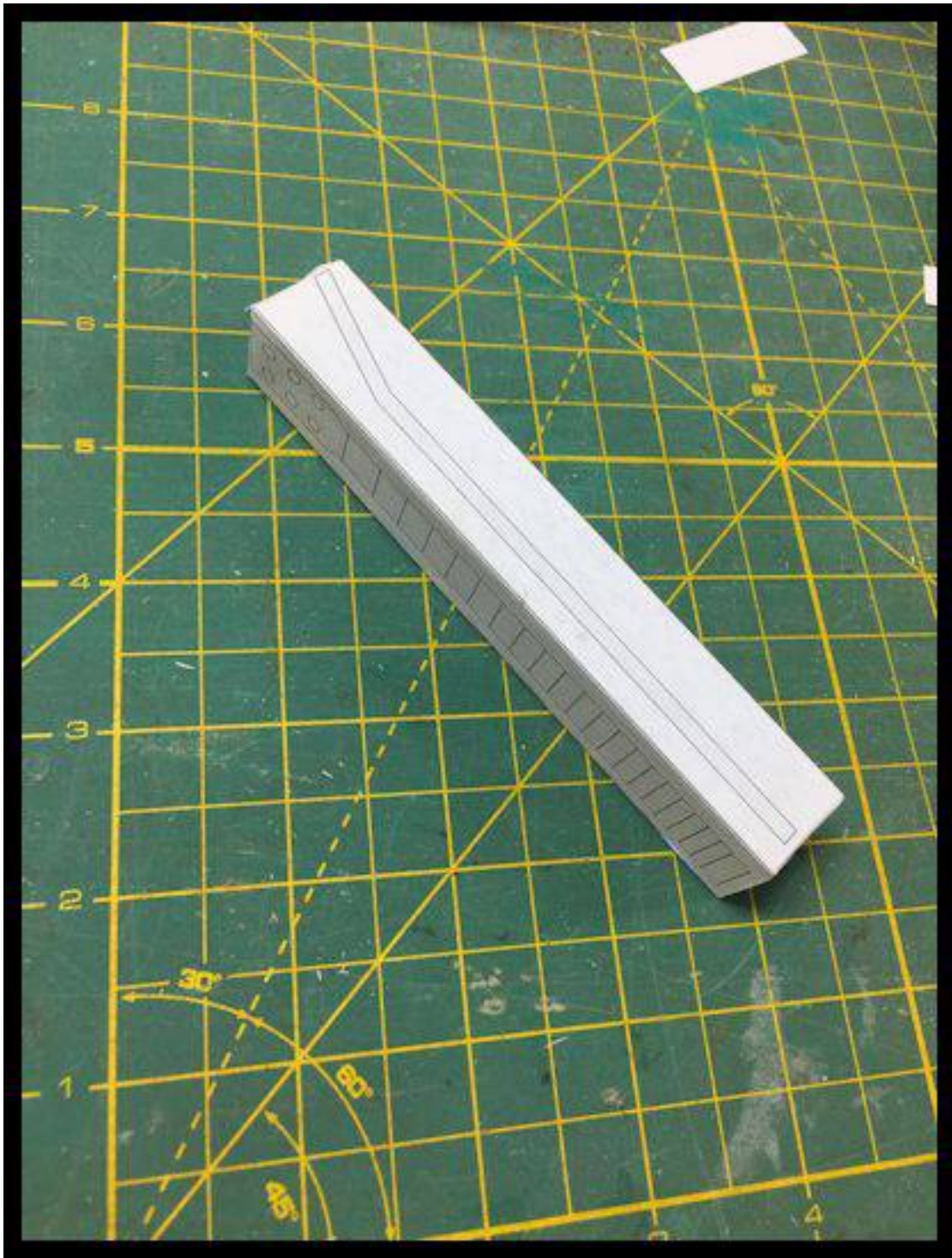
Glue the bridge, saddle and pick guard to the top.
Put the bridge behind the dent you made earlier.
Make sure the bridge and saddle are centered.



Prepare to make the compound cut neck. Use $3/4$ " X $3/4$ " X 5" wood. Bend the compound cut neck pattern on the center line.



Cover the neck blank with painters tape.



Glue the pattern to the neck blank.



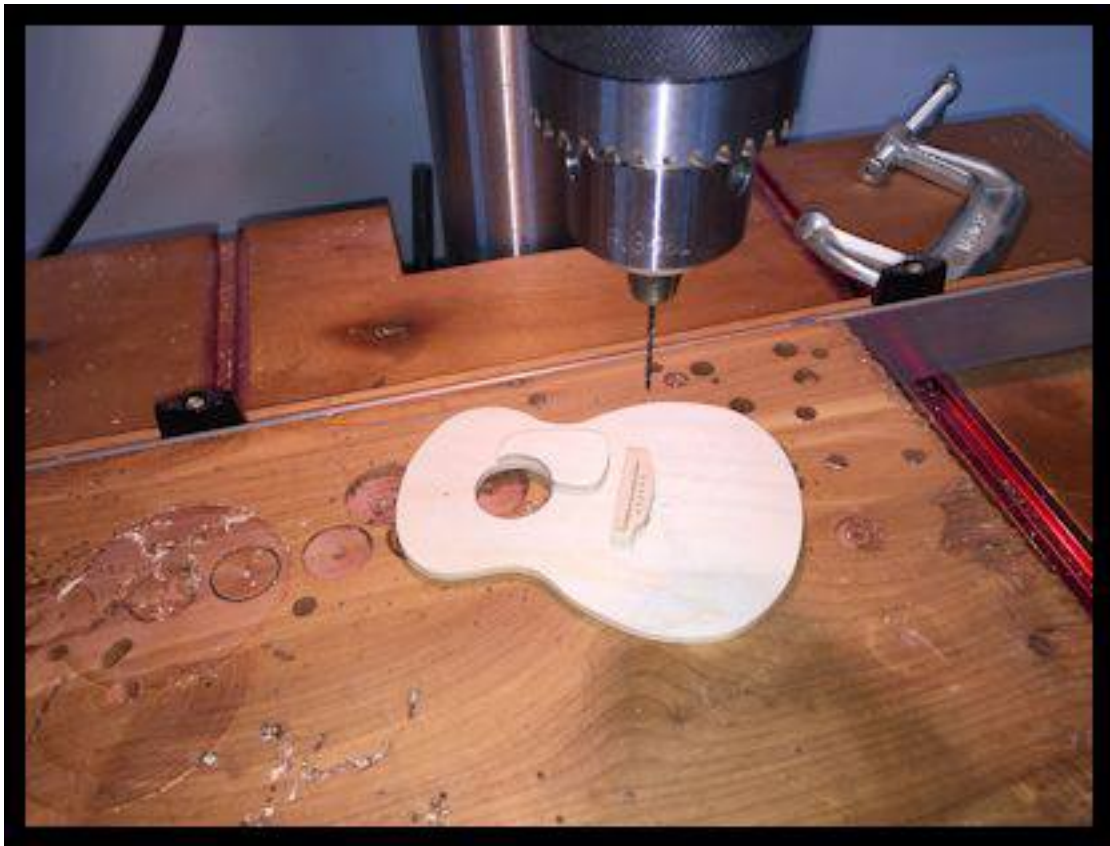
Use a 1/8" diameter drill bit to drill the tuning peg holes in the head stock. Six holes for six strings.



Use a compound cut jig if needed and cut the neck.



Remove the neck from the waste and sand.



Drill the string holes through the top board. Use the holes already drilled in the bridge and finish the holes.



Use thread for the strings. I uses gold thread. Cut six pieces about 12 inches long. We will cut them to length after we string the guitar.



Place the six threads through the top. Push them through about 2 inches. The picture shows the underside of the top.



Tie a knot in all the threads so they cannot pull back through. I used a spot of super glue on the knot. Cut the waste thread about 1/4" from the knot.



Use an Exacto knife to cut the slots in the bridge. Place one slot in line with each string. They don't have to be deep.



Glue the top to the body. Be careful with the strings.



Use a chisel and Exacto knife to remove about half the wood. Place the neck next to the sound hole and draw a line so you know where to start the cut.

Glue the neck support to the neck at the beginning of the cut out you just made.

The side view of the neck should look like the image below.





Cut the fretboard but do not remove the pattern.
We will use the pattern to drill the spots and cut the frets. Use a sharp knife to cut the frets through the paper. It does not have to be a deep cut.



Use a 1/16" diameter drill bit to drill the spots.



Glue the neck and fret board to the body. Clamp and let dry. Make sure it is straight.

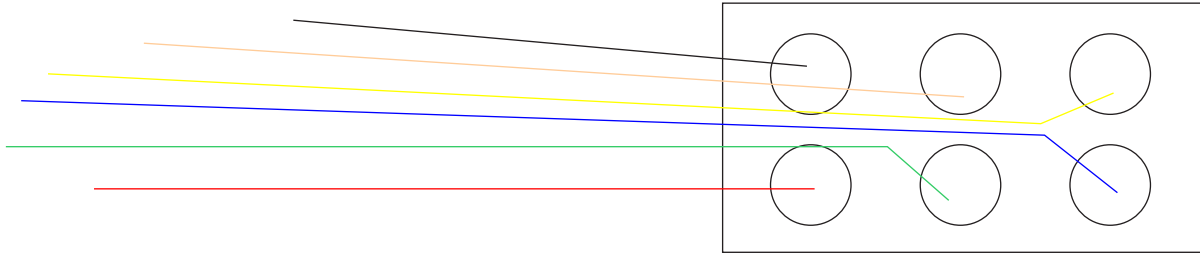


Cut the nut. I uses a stir stick and cut it to size.
You can also just use the 1/8" BB and sand it to fit.

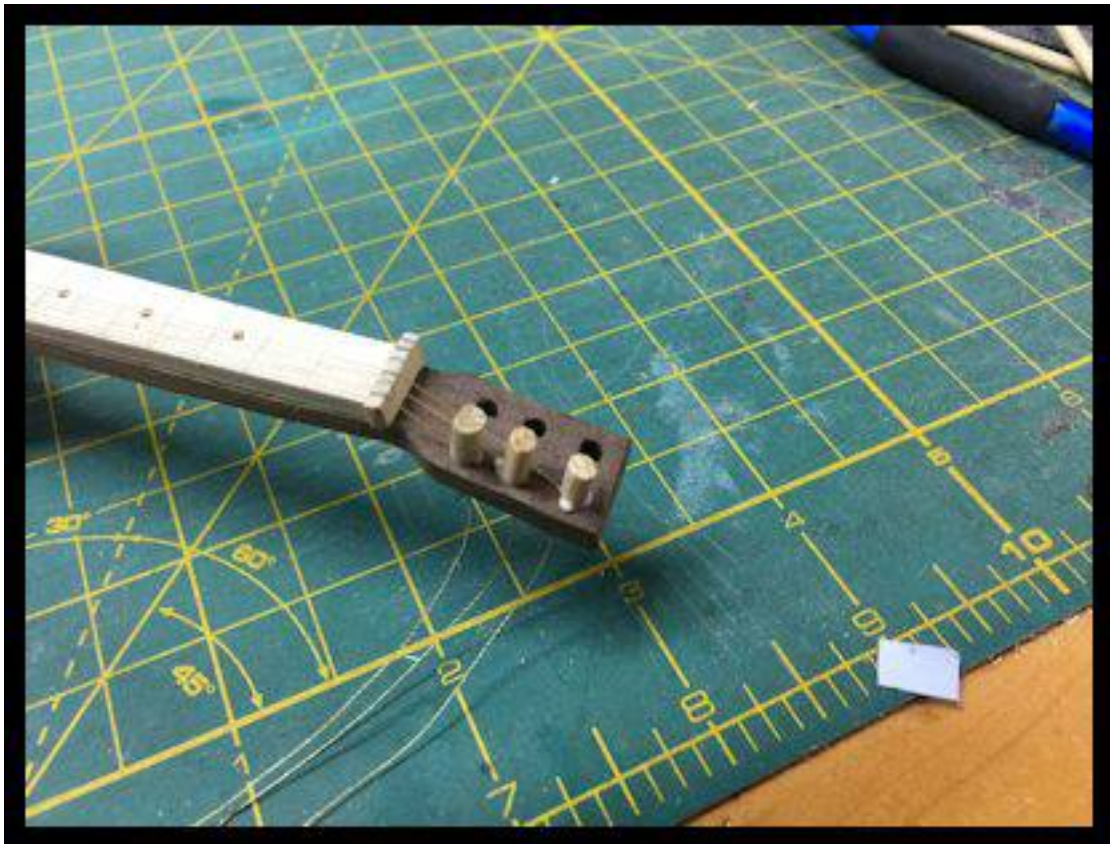


Glue the nut in place and cut six slots for the strings. Space them as accurately as possible. The two outside cuts should be very close to the edge of the fret board.

String Guide



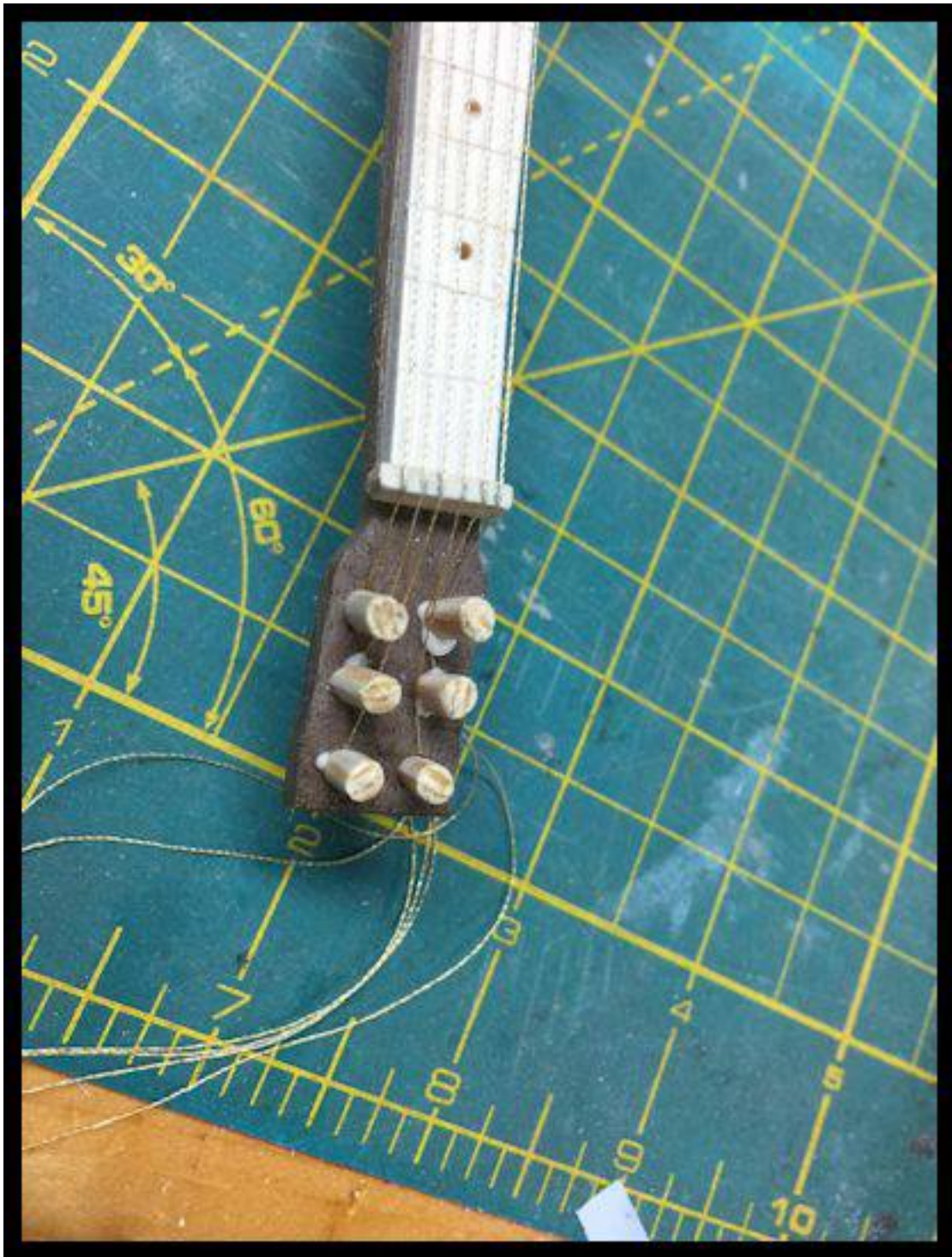
Cut a 1/4" long piece of 1/8" dowel. Taper the end of the dowel so it will fit snugly into the heads stock holes. Run the bottom string through the first hole. Put glue on the dowel. Pull the string tight and insert the dowel.



Continue with all six strings. We will sand the dowels to length later.

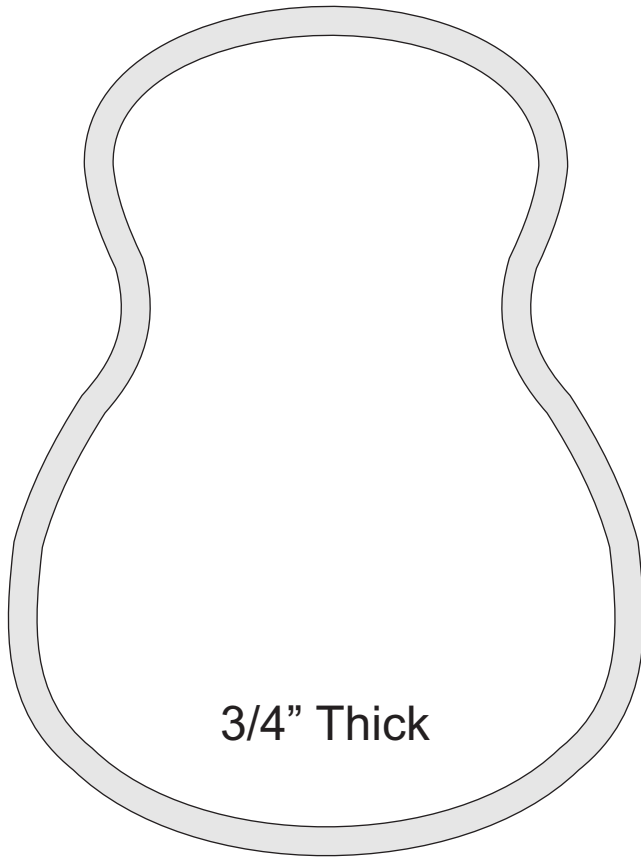


All six string are installed. Make sure the strings are in the slots you cut in the saddle and nut.

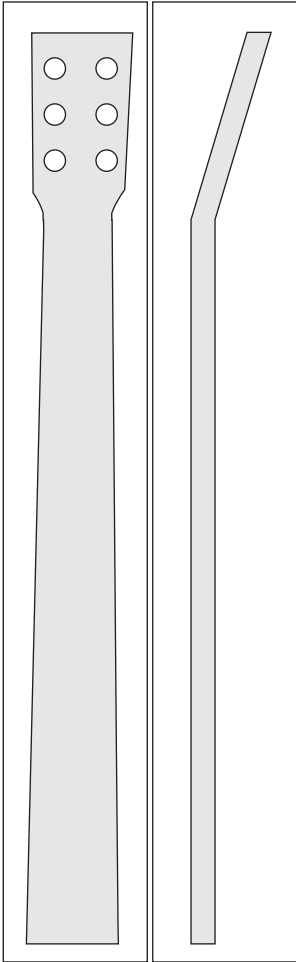




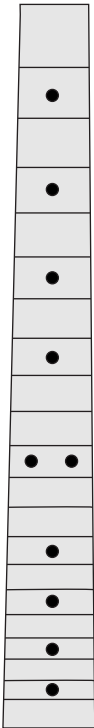
Cut some small nails to about 1/4" long. Drill six 1/16" diameter holes in the head stock. Super glue the nails in to the holes for tuners. Sand the dowels until they are about 1/16" long.



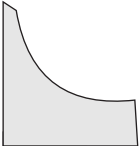
3/4" X 3/4"
Compound cut.



1/8" Thick



1/2" Thick



1/8" Thick

