



Digital Patterns

Designed by
Steve Good

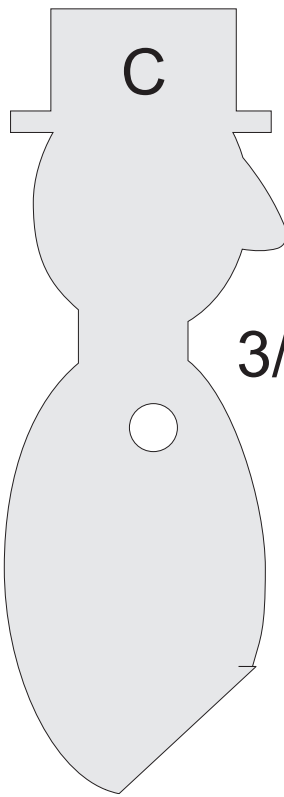
www.scrollsawworkshop.blogspot.com

Home of Scroll Saw Pattern Printer

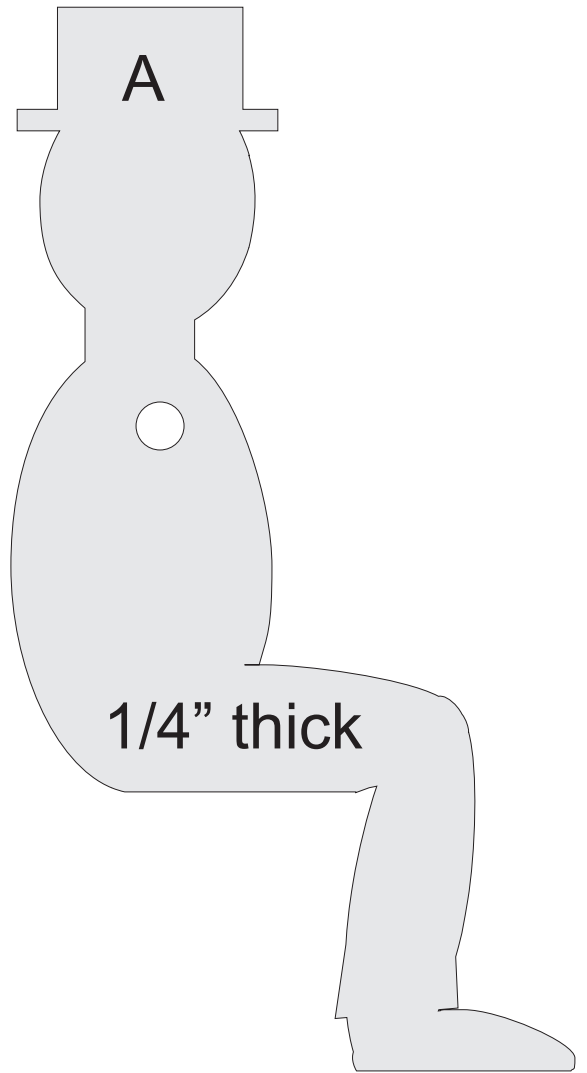


Piano Man Automata

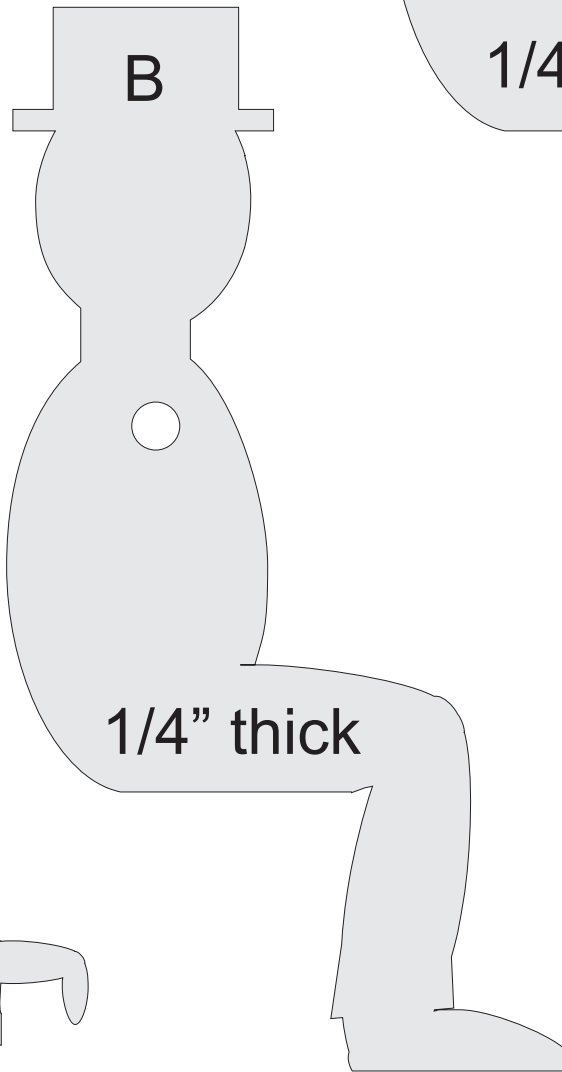




3/4" thick



1/4" thick



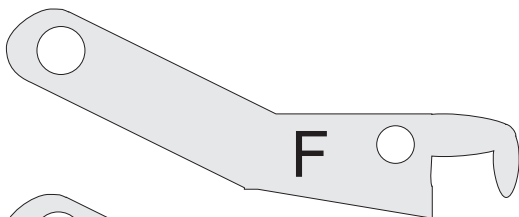
1/4" thick



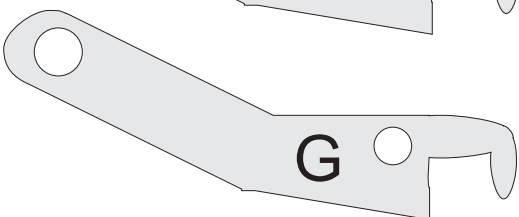
D



E



F



G

H



side
6" x 4"

I

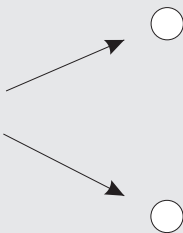


side
6" x 4"

J

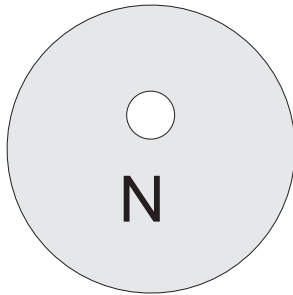
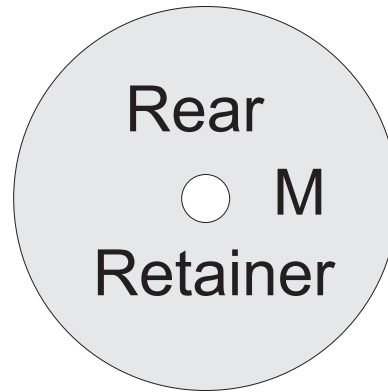
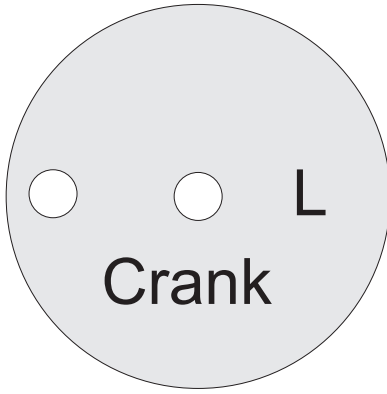
Top
6" x 5"
½"thick

Wire holes

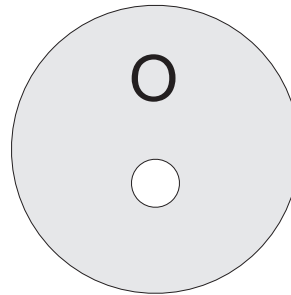


K

Bottom
6" x 5"
½"thick

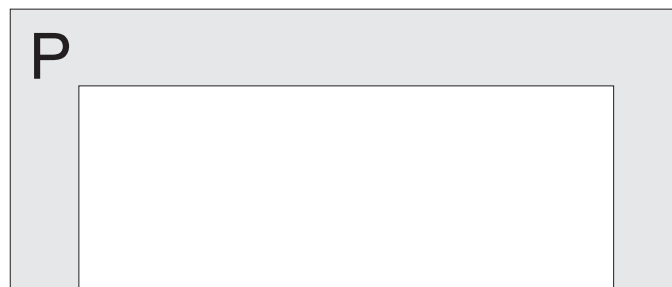


Left arm cam



Right arm cam

Bench 1 1/2" deep



Q

5" x 4"

Piano body
1" thick

R

Keyboard 1/4" thick
5" x 3/4"

S

Piano Top 1/4" thick
5 1/2" x 1 1/4"

T

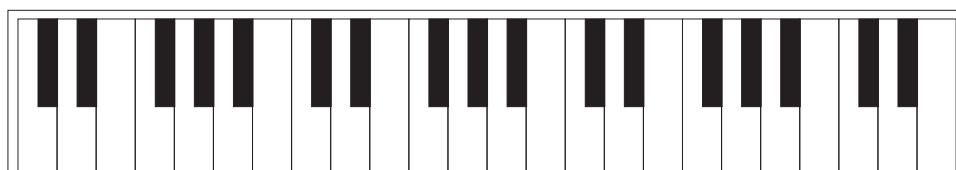


Cam followers 1/4" thick



U

Graphics for piano

[illegible]

Other materials you will need to complete this project.

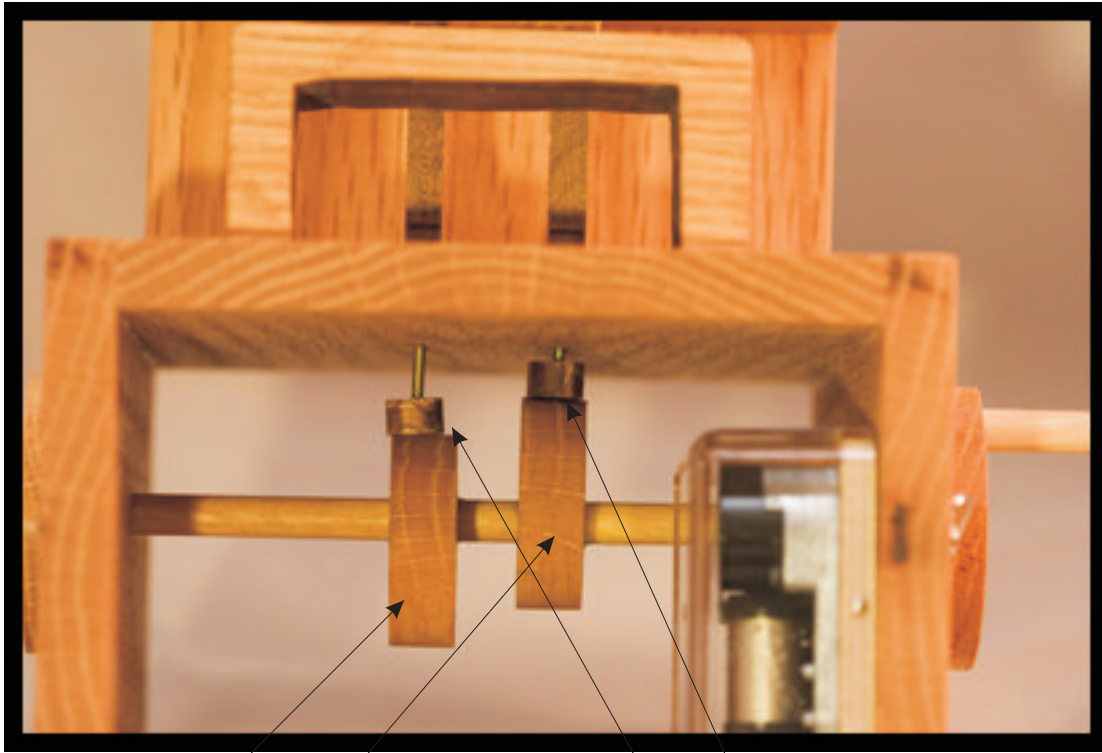


But two 7 inch straight sections.



Use whatever size dowel you have available. Just use the appropriate drill bits when drilling the holes in the frame and body.

Please watch the video on the blog for construction tips.



Cams N & O glued to the dowel. Make the high point of each cam is opposite.

Notice the cam followers. These are parts T & U. Epoxy to wires.



Notice that the wires go through the feet and floor. You want to make sure these holes all line up with the cam followers below the floor. The wires should be straight up from the cams.



Leave the coat hanger wires long until you have the piano made. Then use the keyboard height to set the position of the arms touching the keys while the cam is at it's low point. Once you have that set cut and bend the wire through the wrist hole.



Notice that the floor is glued between the outer walls.