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Designed by Steve Good

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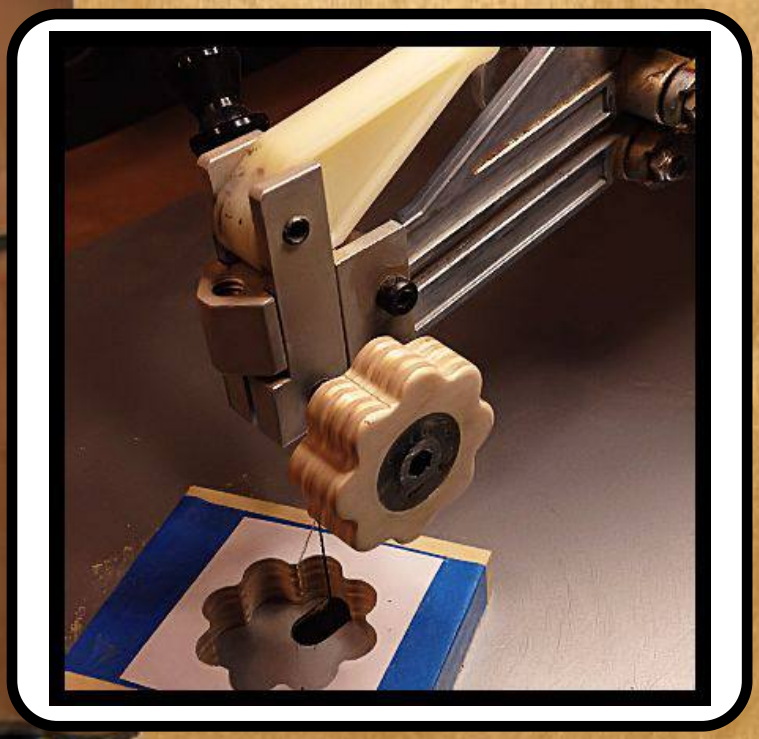
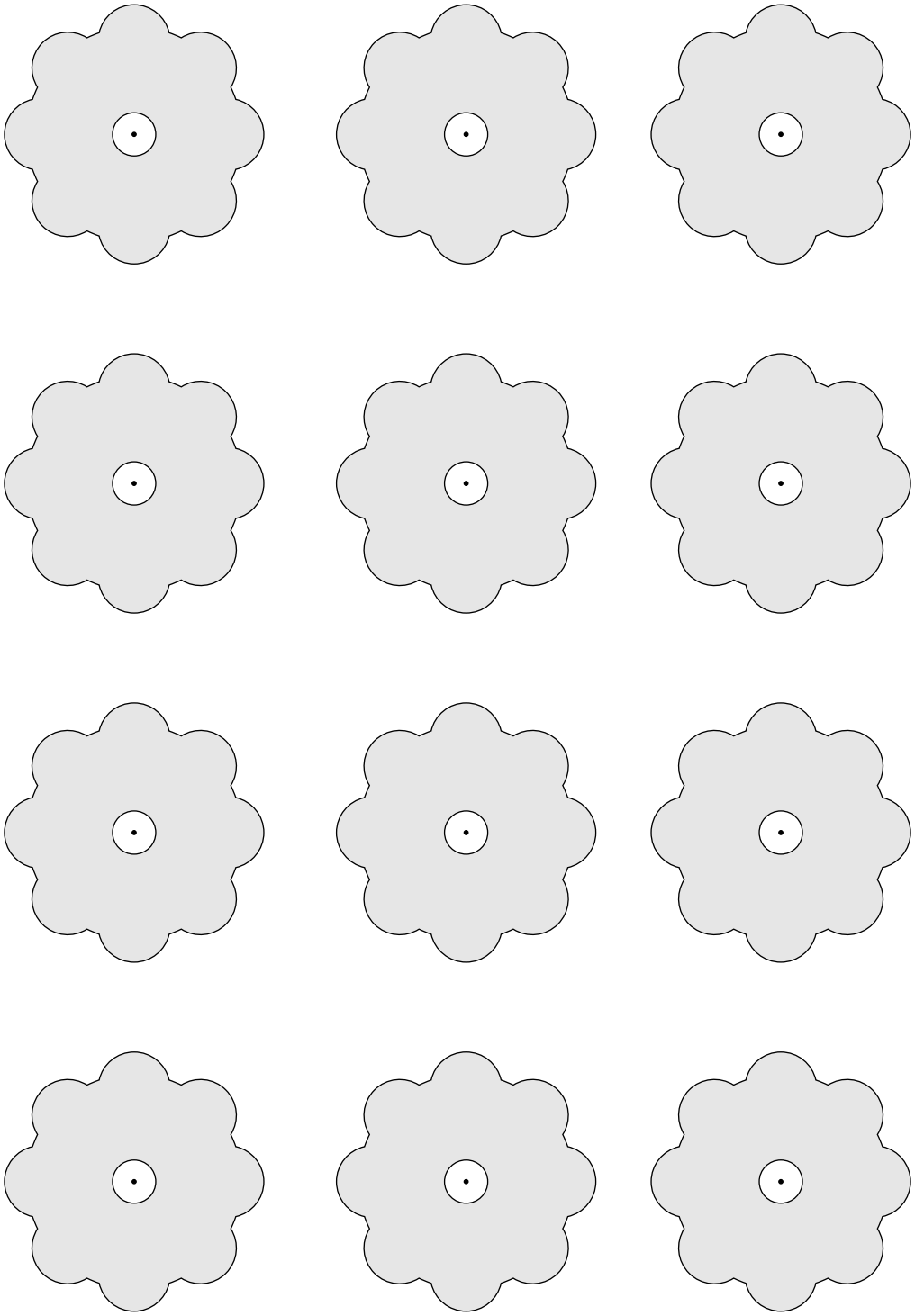
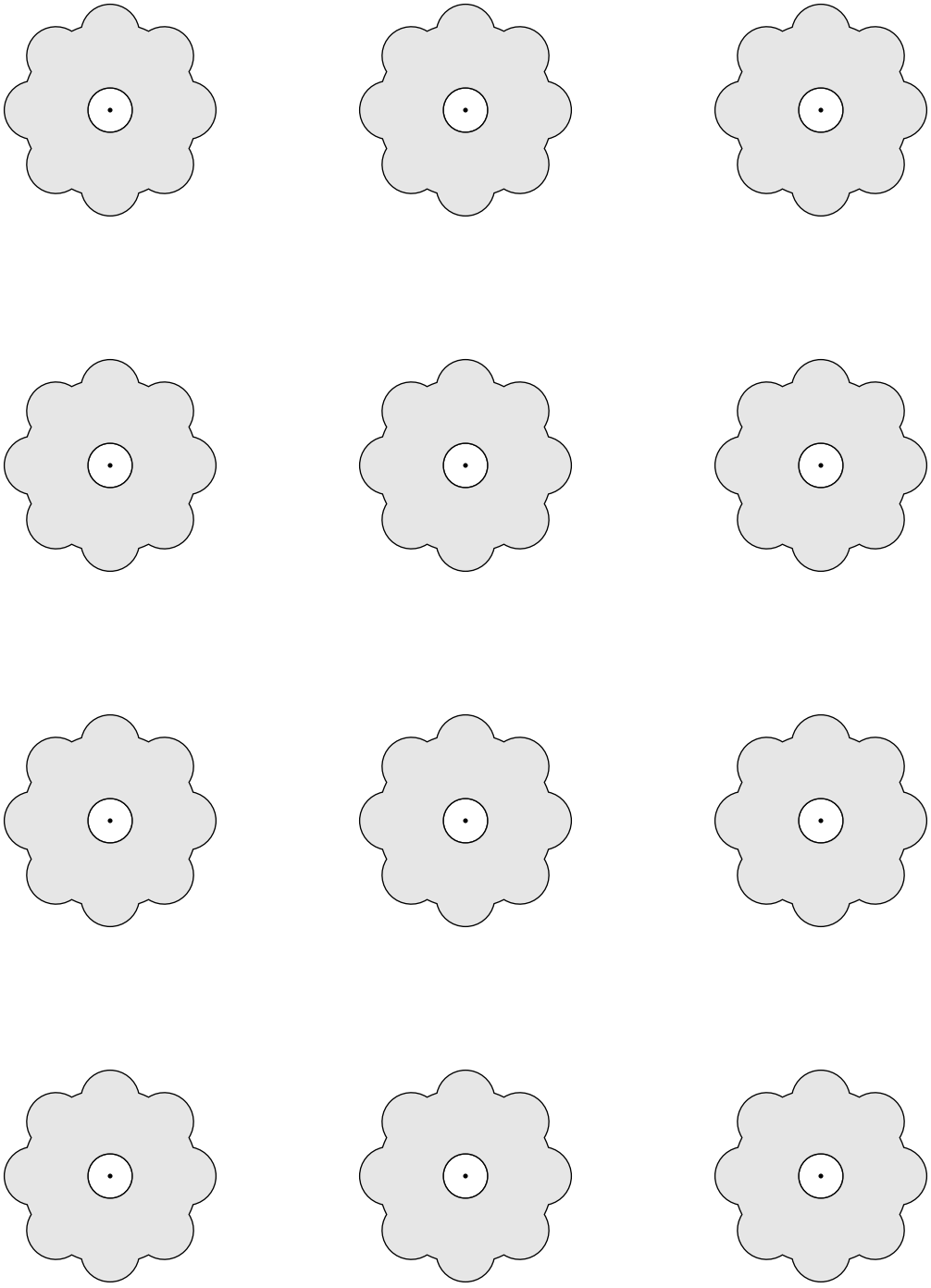


steve@stevedgood.com

1/2” Thick Baltic Birch Plywood.

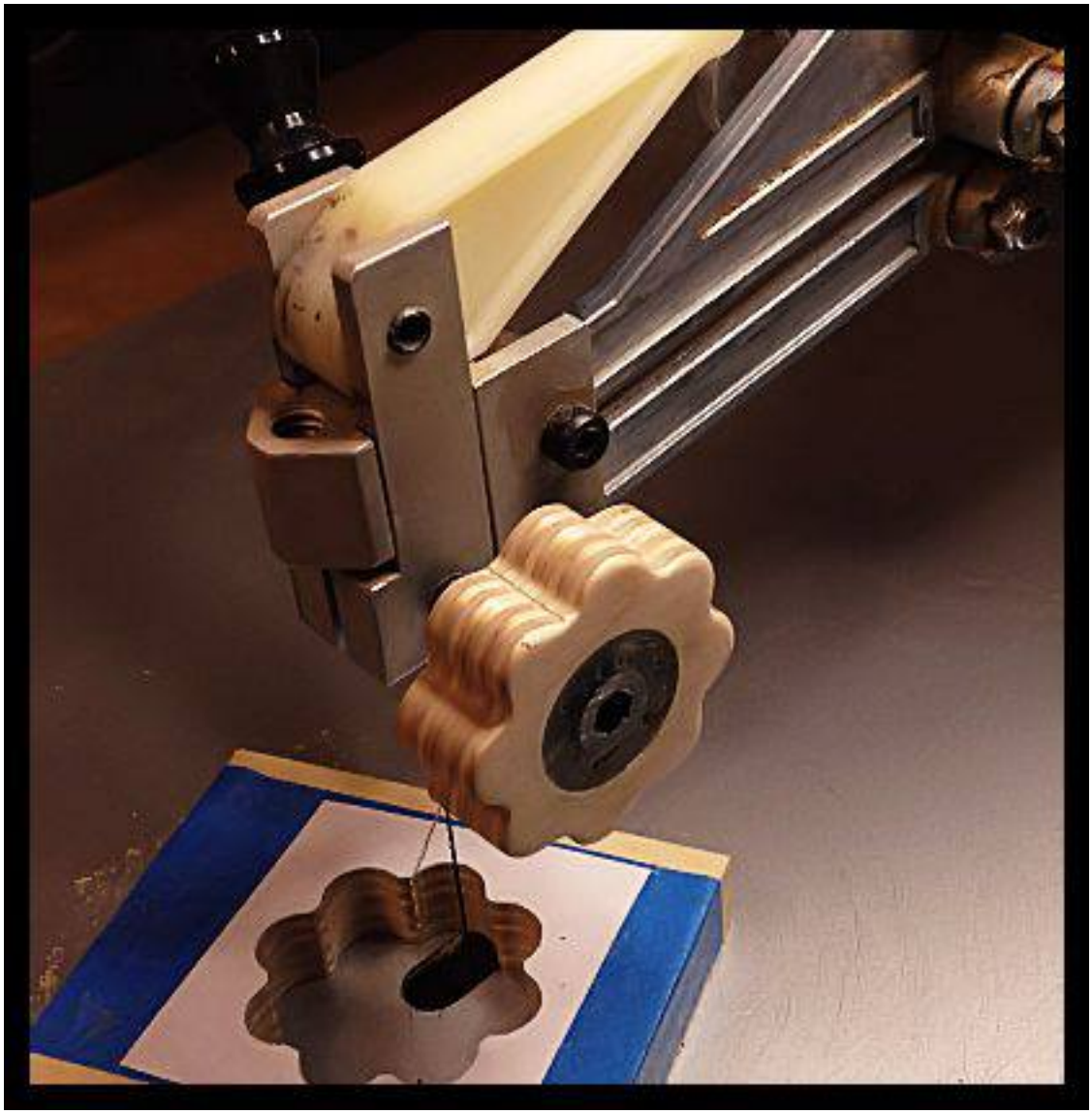




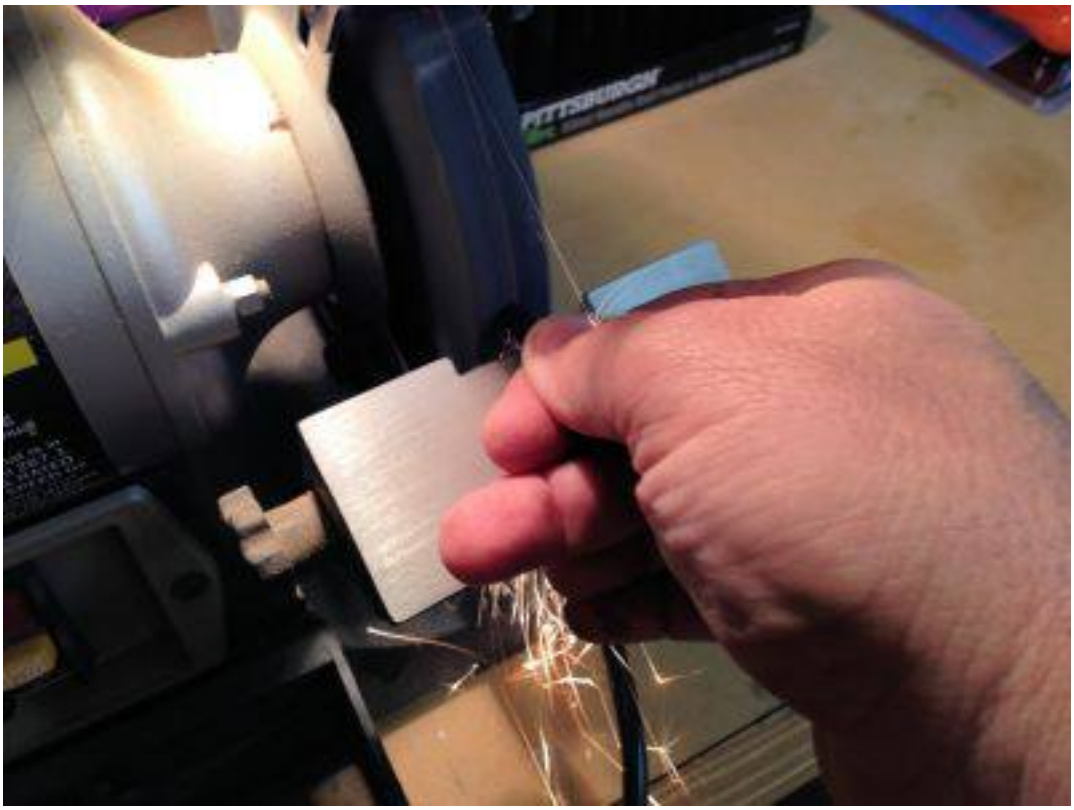
Easy Grip DIY knob for DeWalt and Excalibur Scroll Saws.

NOTICE.

This knob can apply more force to the blade clamp assembly. Do not over tighten. If your blade is slipping you have other problems and trying to tighten the clamp more is not the answer.

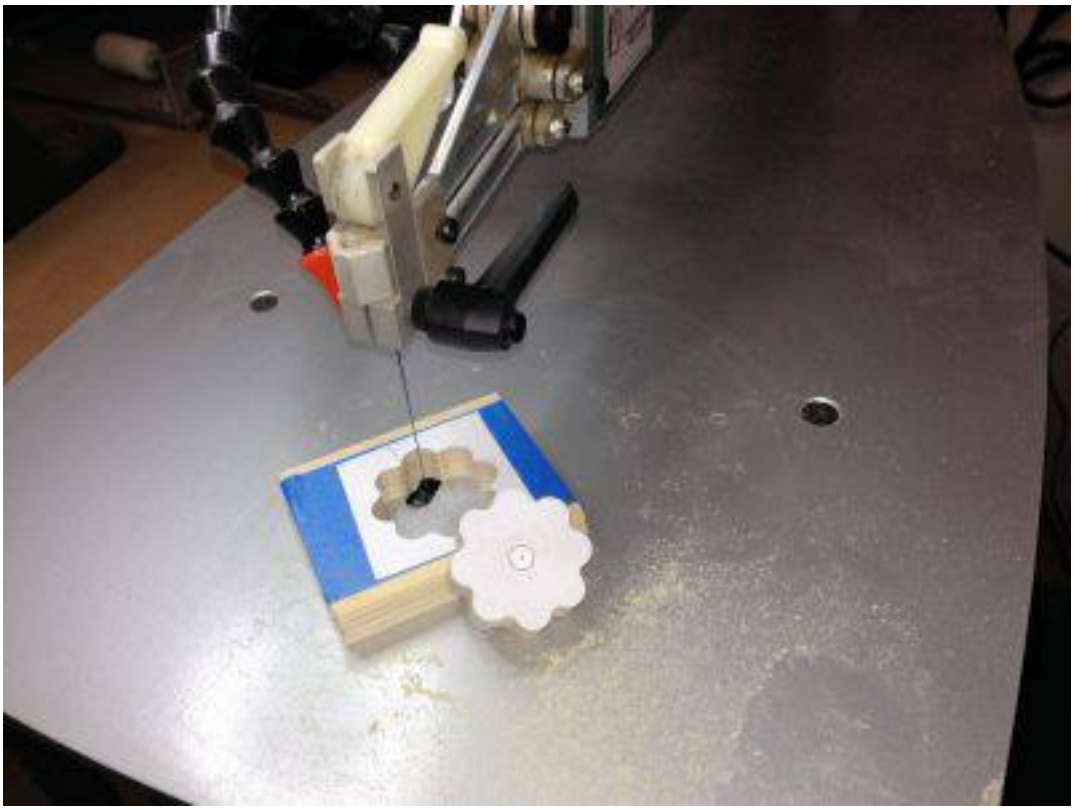


You will need: 1/2” thick Baltic Birch Ply
M6-1.00 X 30 Socket Hd Cap Screw. Lowes #08326 71223
M6-1.00 Nylon Class 8 Lock Nut. Lowes #08236 71203
M6 x 18 Fender Washer Lowes #38902 00290
Two part epoxy
This pattern.



Use a grinder or a sander to flatten the tip of the screw. It is important to get it flat and square. It you have trouble with the blade slipping or being damaged then flatten it more.

Get it flat.

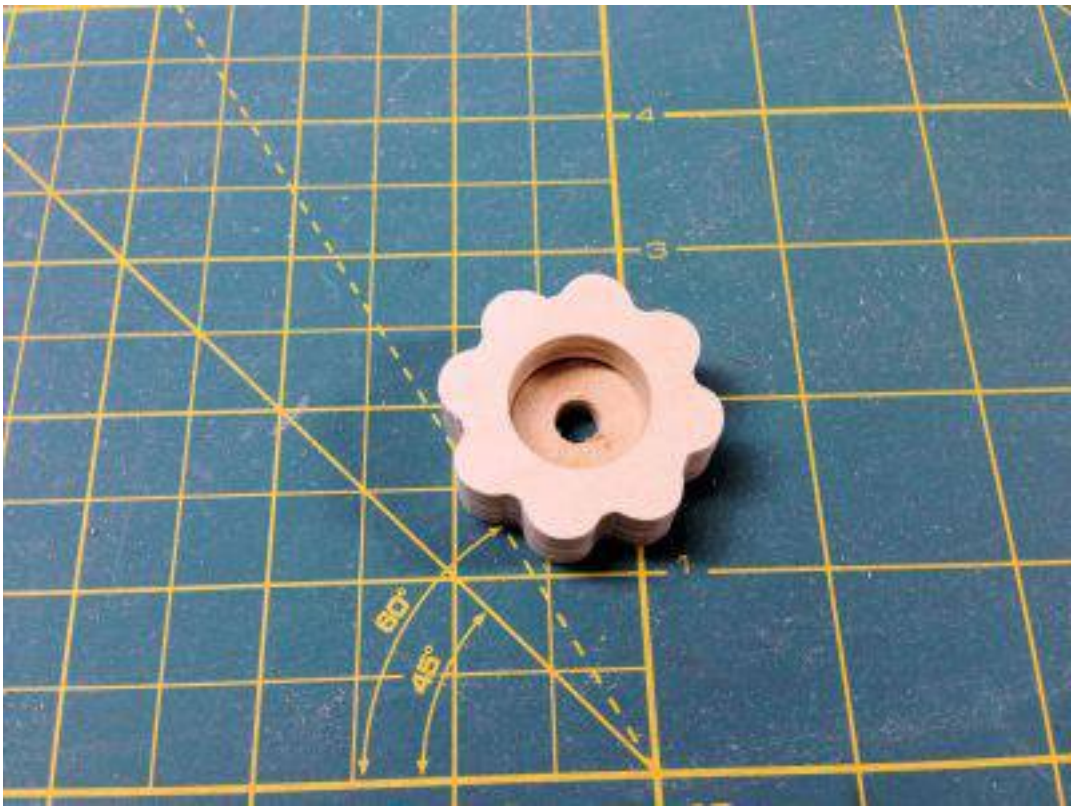


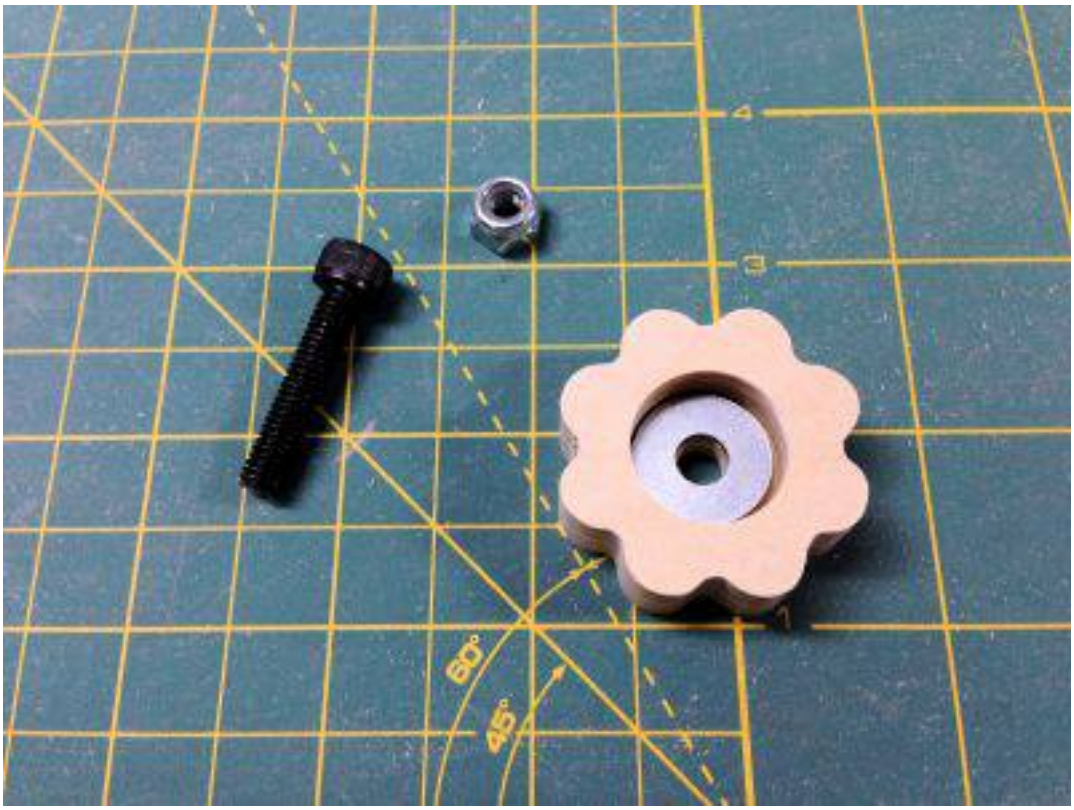
Apply the pattern to the Baltic Birch ply and cut the knob out.

Use an awe to dimple the center of the knob for drilling.

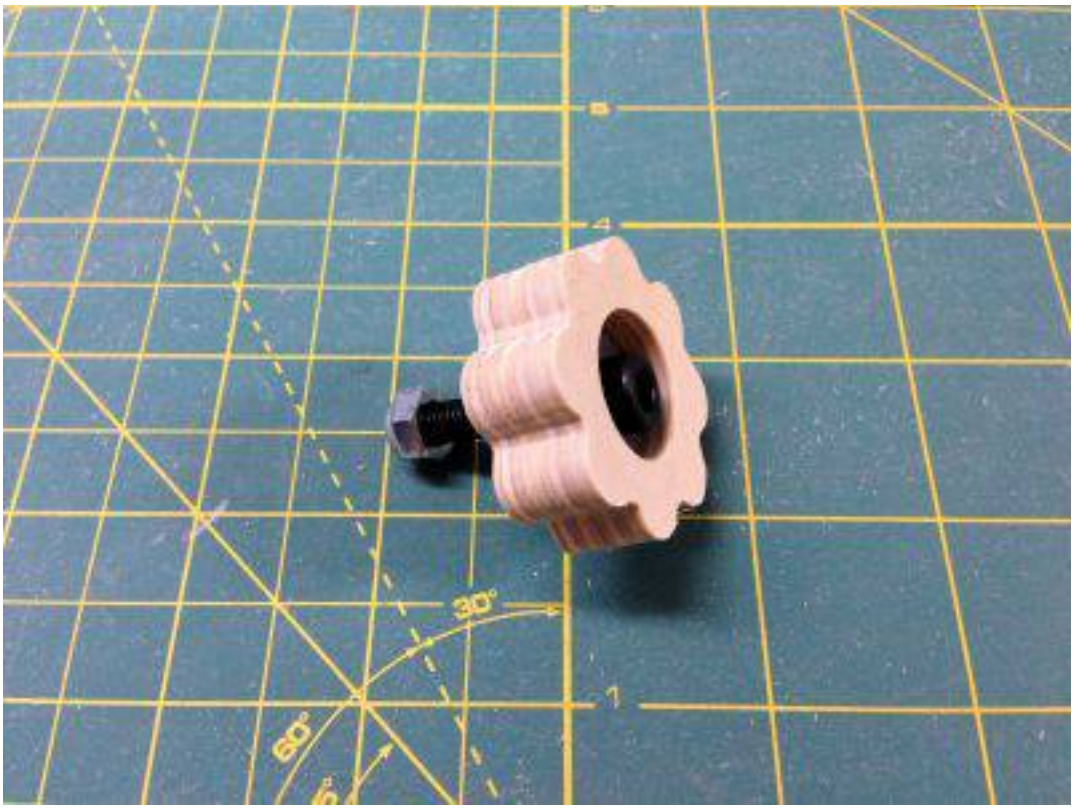
Use a 3/4” forstner bit and drill half way through the ply.

If you have standard drill bits a 1/4” bit will work fine.
Drill the rest of the way through the knob.

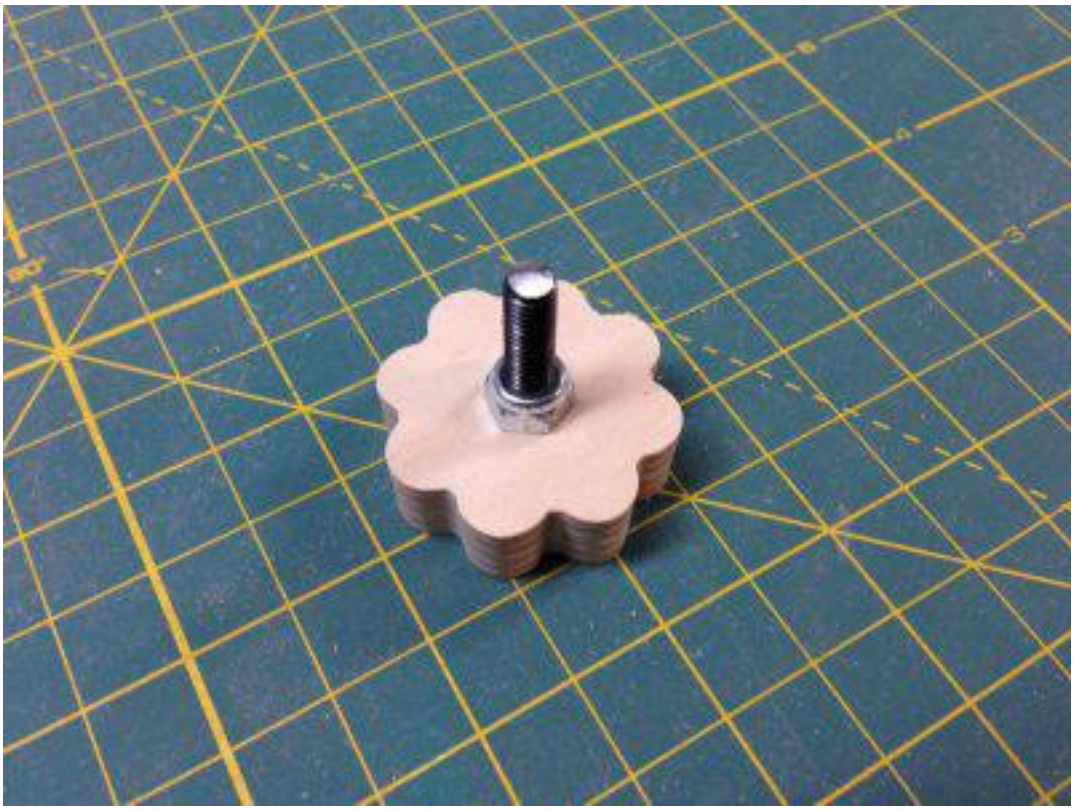




Install the washer and the screw into the cutout. Start the lock nut on the end of the screw.

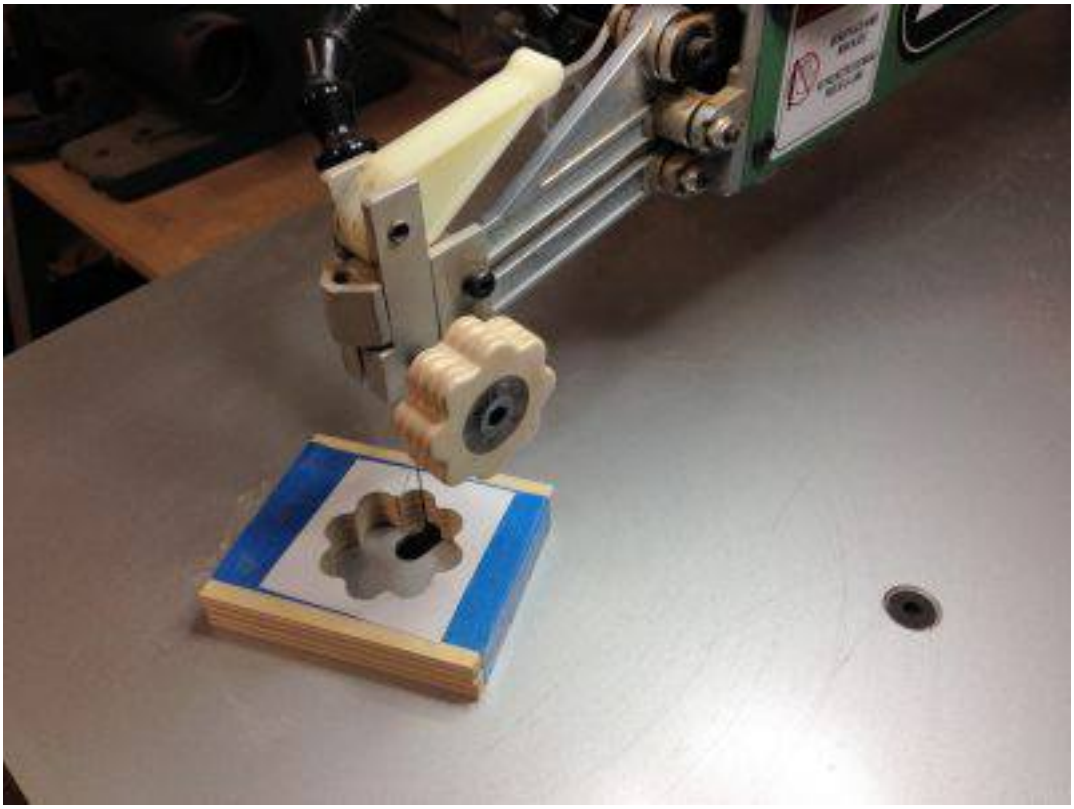


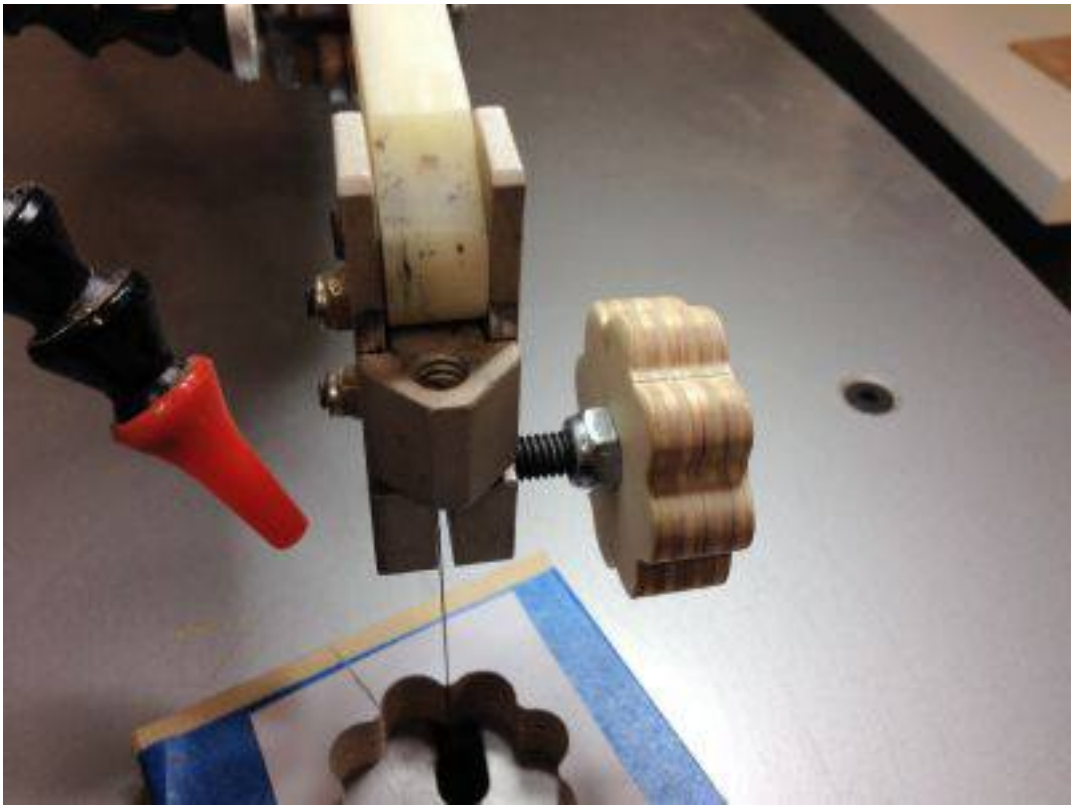
Tighten the screw assembly tight. It requires a 5mm allen for the 6mm screw.



If you drilled just a little over half way the head of the screw will be below the knob surface. Mix up some two part epoxy and stir it for the required time.

Fill the recess with the epoxy. Let it cure 24 hours before use.
In the picture above I let the epoxy get into the head of the screw. You might want to cover the hear to keep it free of epoxy
That way you han use the allen to tighten the lock nut if necessary.
In the install knob below you can see it was left open.





Remember to use this knob with caution. There is never a reason to over torque the clamp. It the blade is slipping you have another issue. Normal tightening should hold the blade in place.

This knob is intended to be more comfortable on your hands and not to crank down on. You will eventually break the clamp if you over tighten.