

# SCROLLSAW WORKSHOP

WWW.SCROLLSAWWORKSHOP.BLOGSPOT.COM

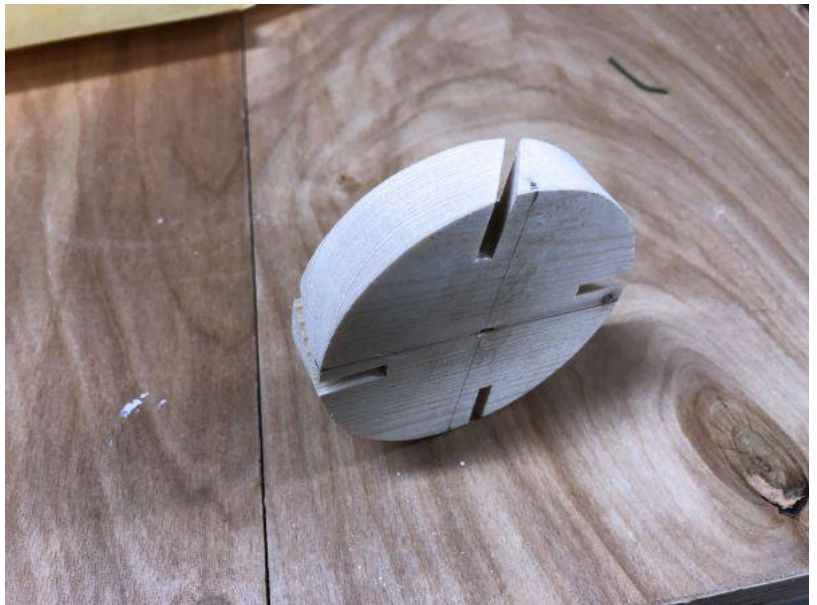
## Digital Patterns

Designed by Steve Good



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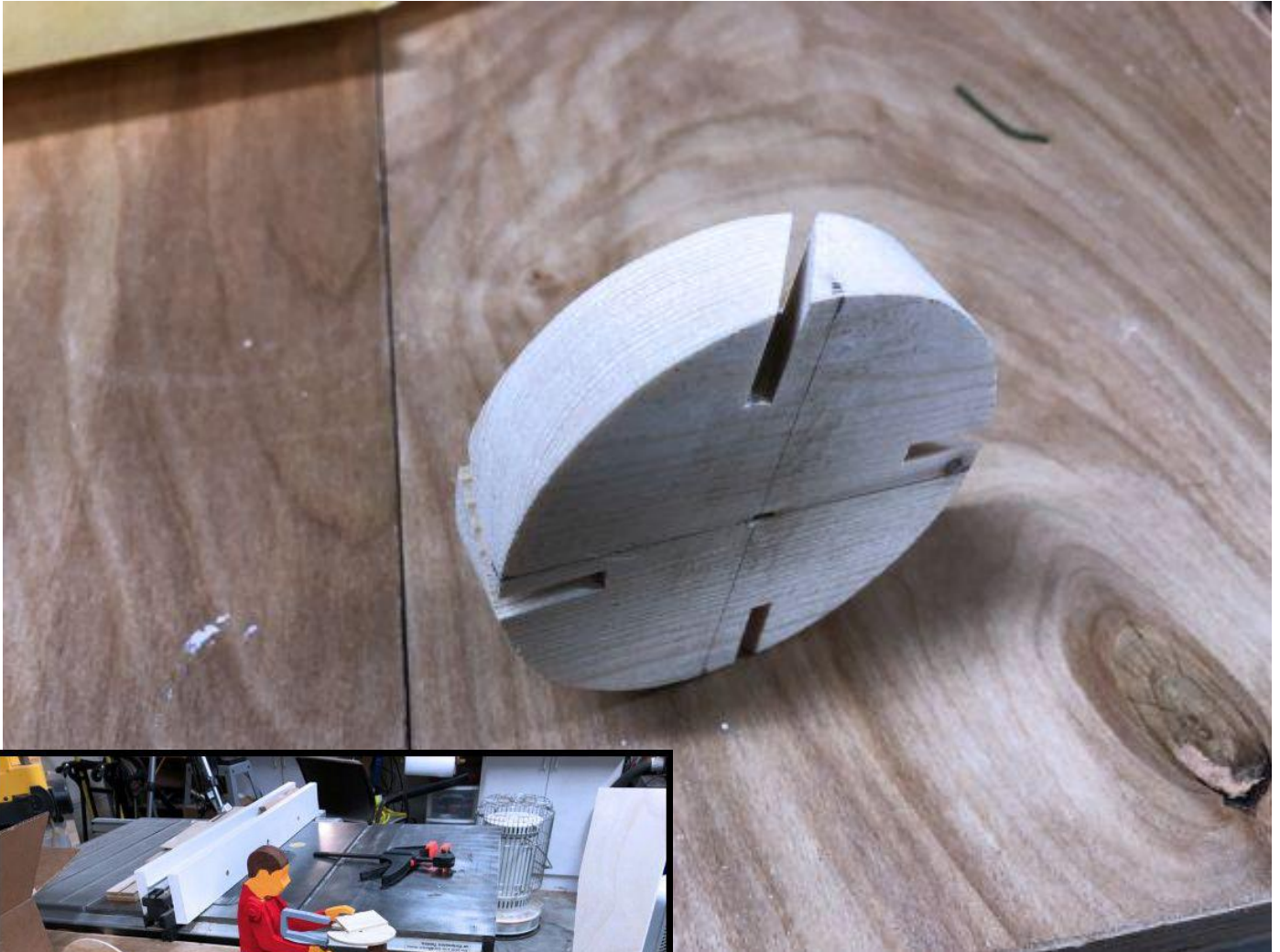
steve@stevedgood.com

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**CAUTION:** Do not make any cuts you are not comfortable making. You are responsible for your own safety. These instructions are how I make this cut. Use your own judgement.

### Cutting a Whirligig hub



[www.stevedgood.com/whirligig.pdf](http://www.stevedgood.com/whirligig.pdf)

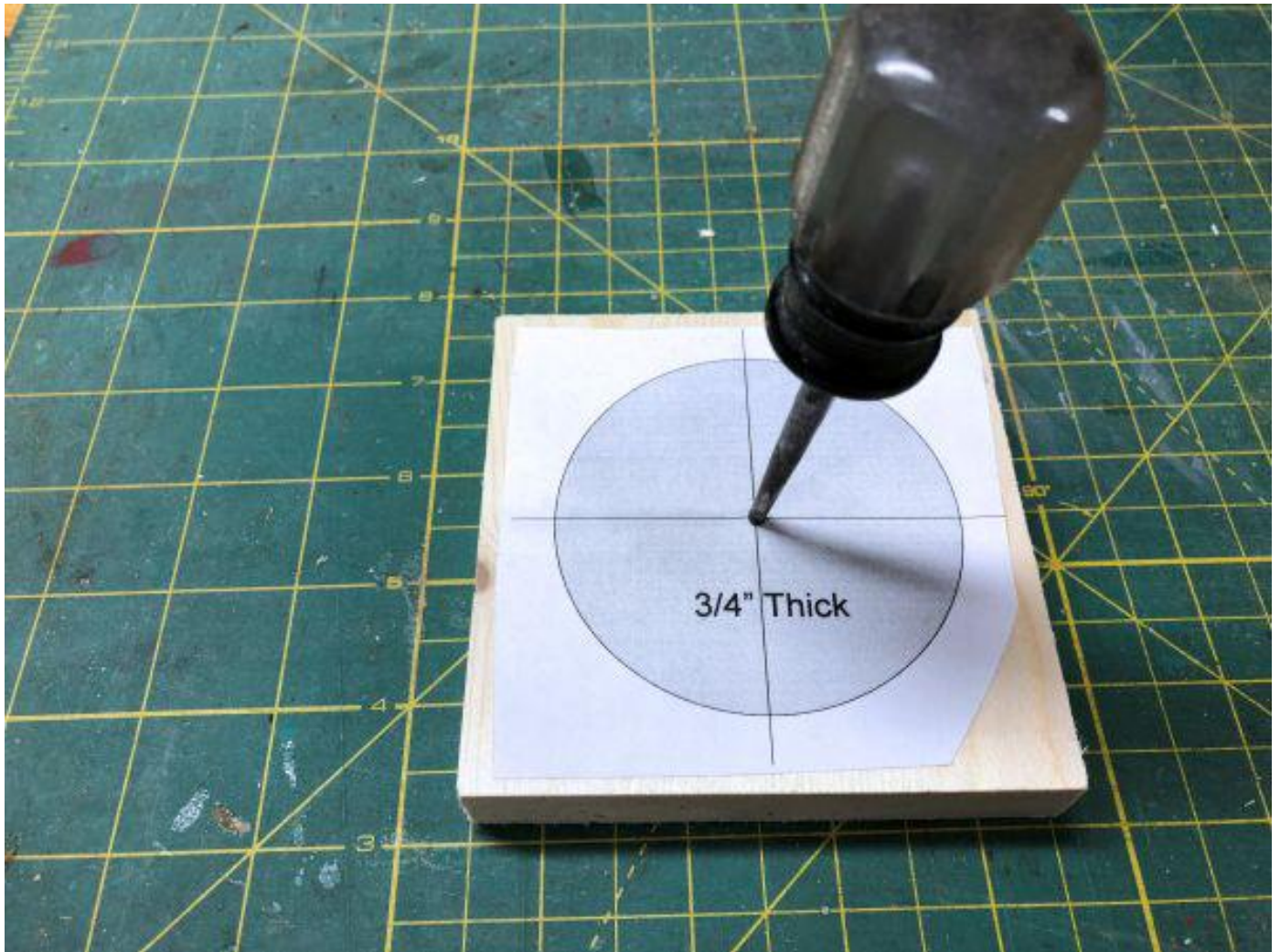
These instructions will help you make the hub for whirligig

Apply the hub pattern to your wood.

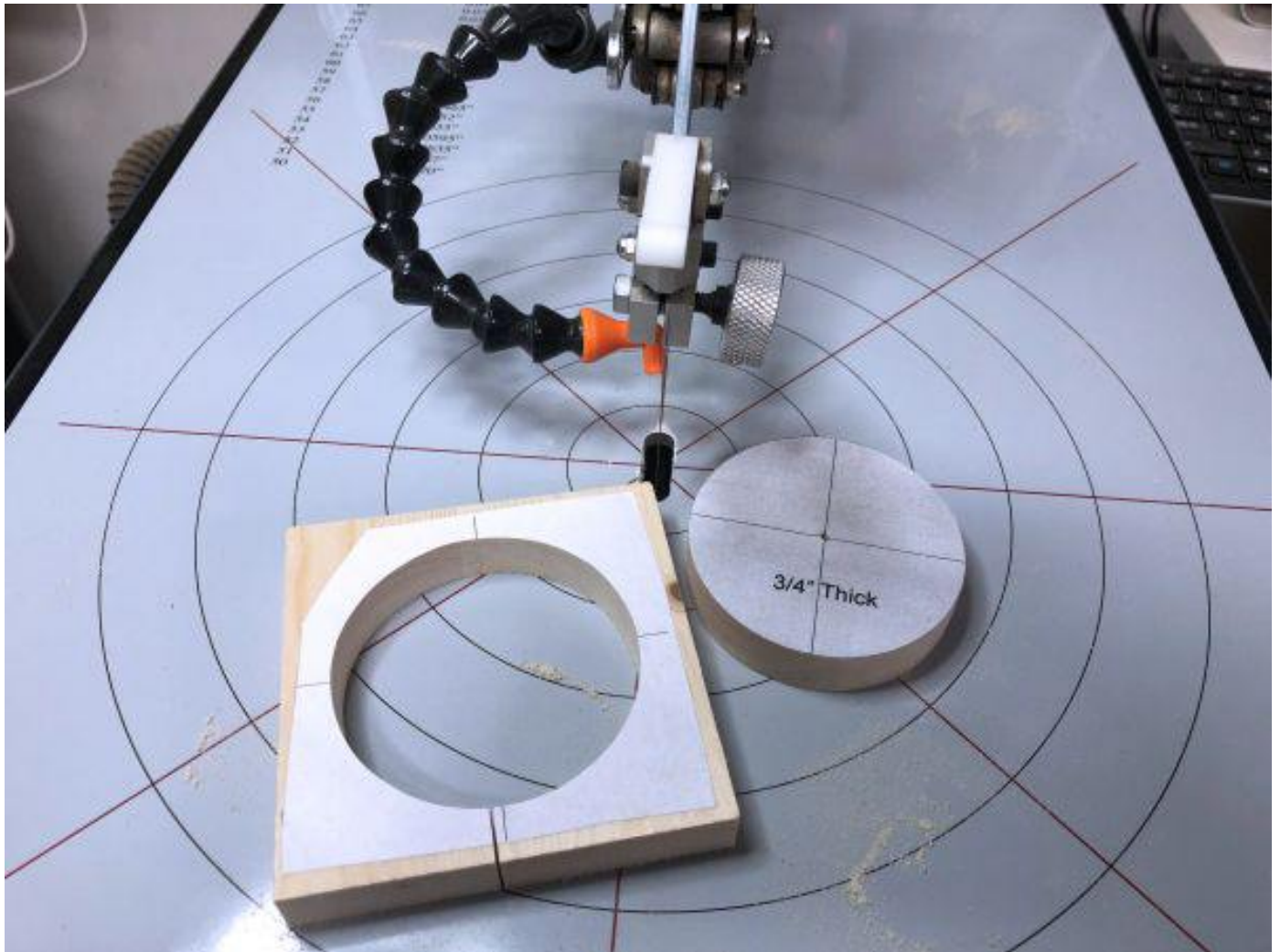




Center punch the center point. This will be used later to drill the center hole for the steel rod.



Cut the hub on the scroll saw.

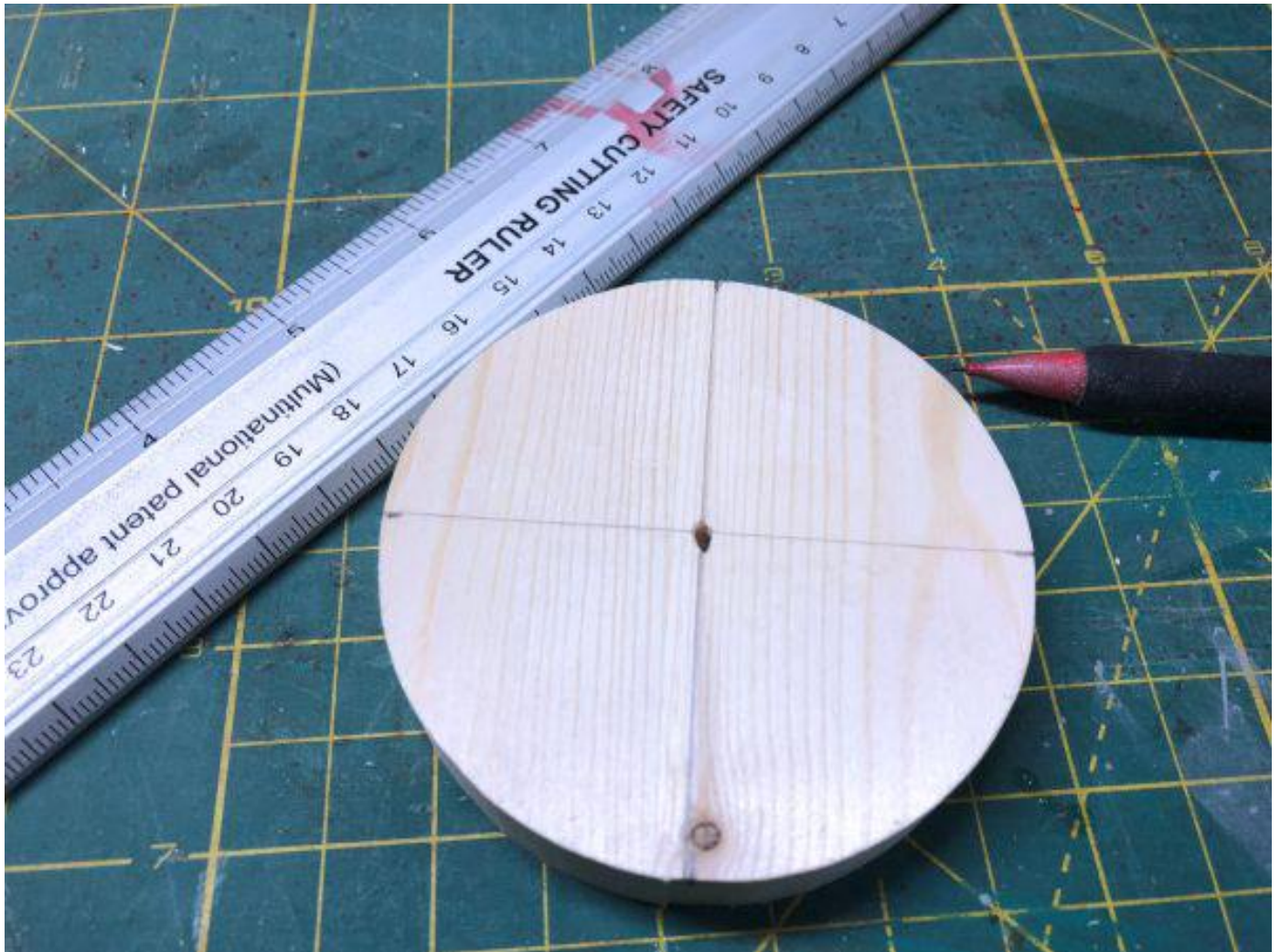




Mark the index lines on the edge of the hub at all four corners.



Use a straight edge to connect the lines just transferred from the pattern.





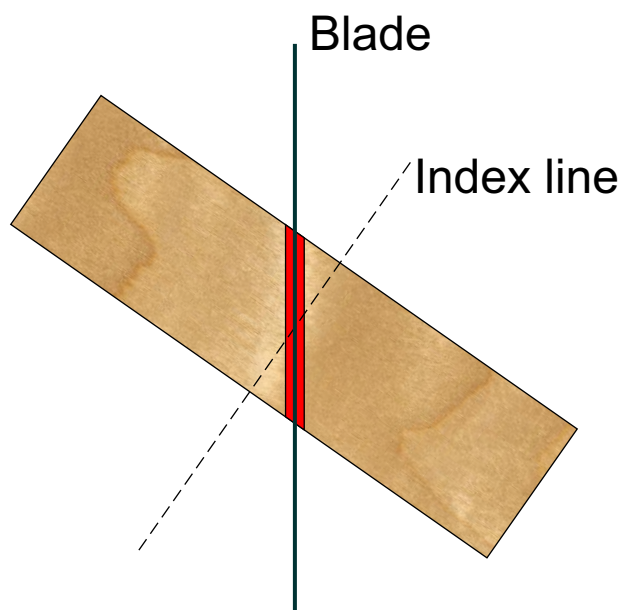
Here is the setup. Set your miter gauge to 35 degrees. Clamp a sacrificial board to the gauge.



Pencil position lines.  
These lines let you put  
the hub back in the same  
position.



Clamp the hub to the board using the index lines to center the cut.



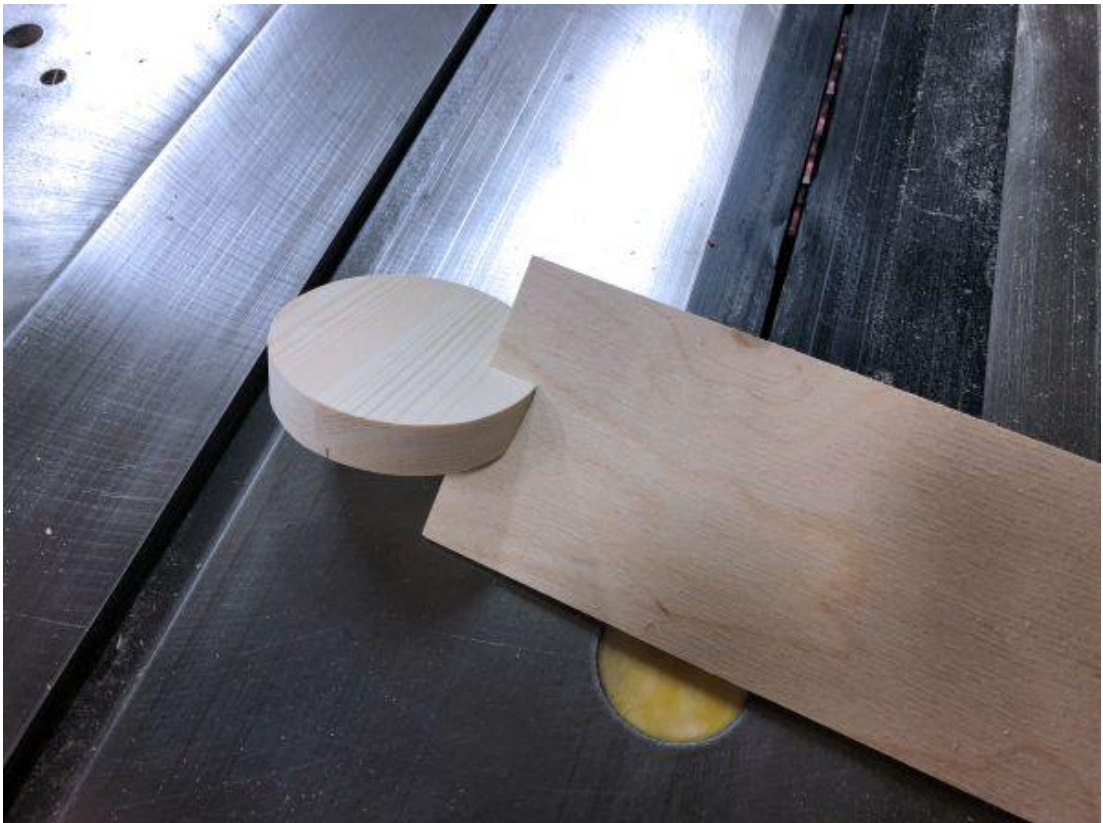
Set the blade height to approximately 3/4"  
Make the first cut.



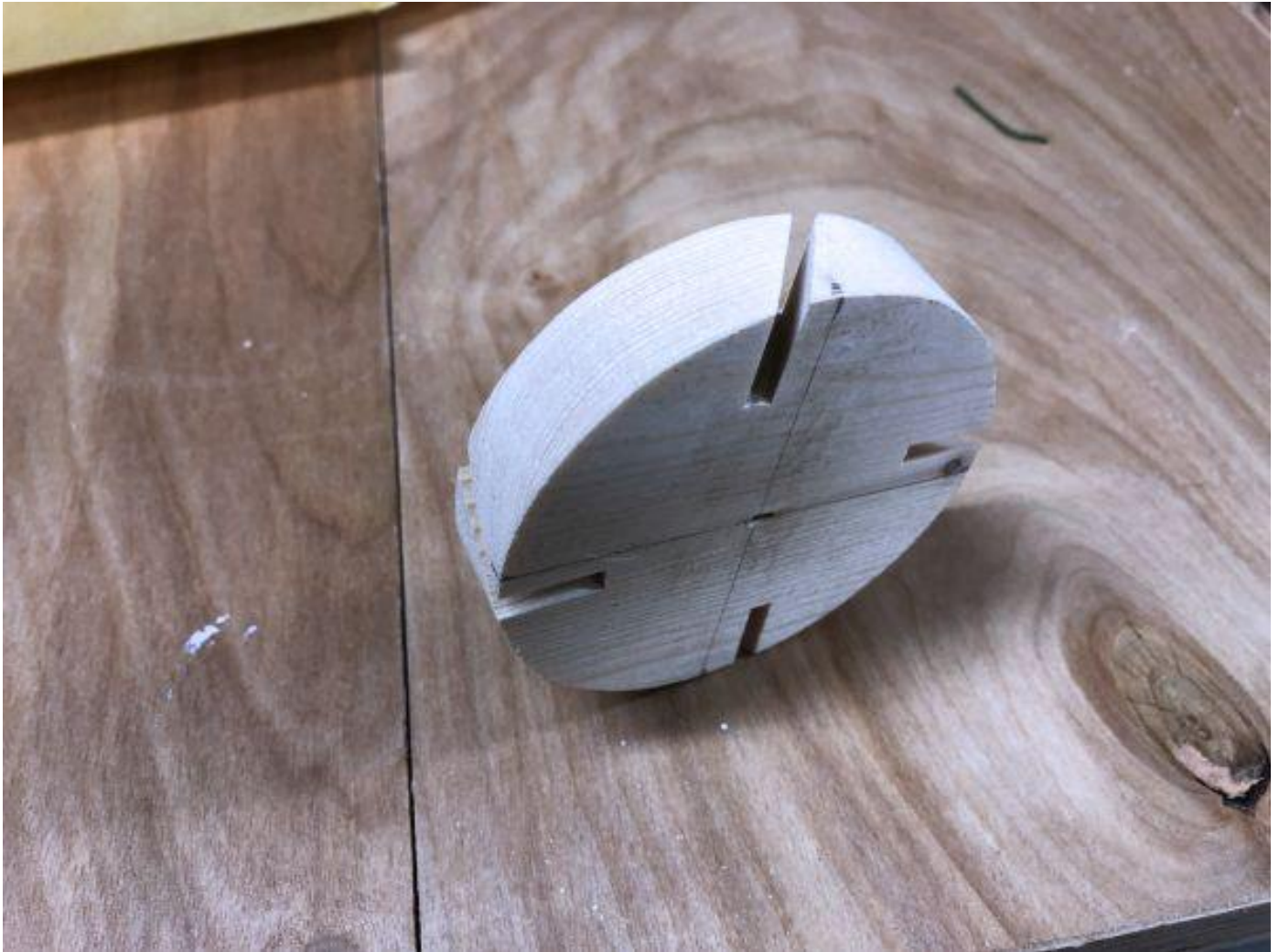




If the kerf from the cut is not wide enough to accept the blade just remove the clamps from the body of the miter gauge. Slightly move the sacrificial board and make a second pass. You have to be careful not to make the kerf too wide. make very small adjustments.







Here is the finished hub after indexing and cutting all four slots.