

# THUNDERBIRD MADE EASY

Woodturner PRO

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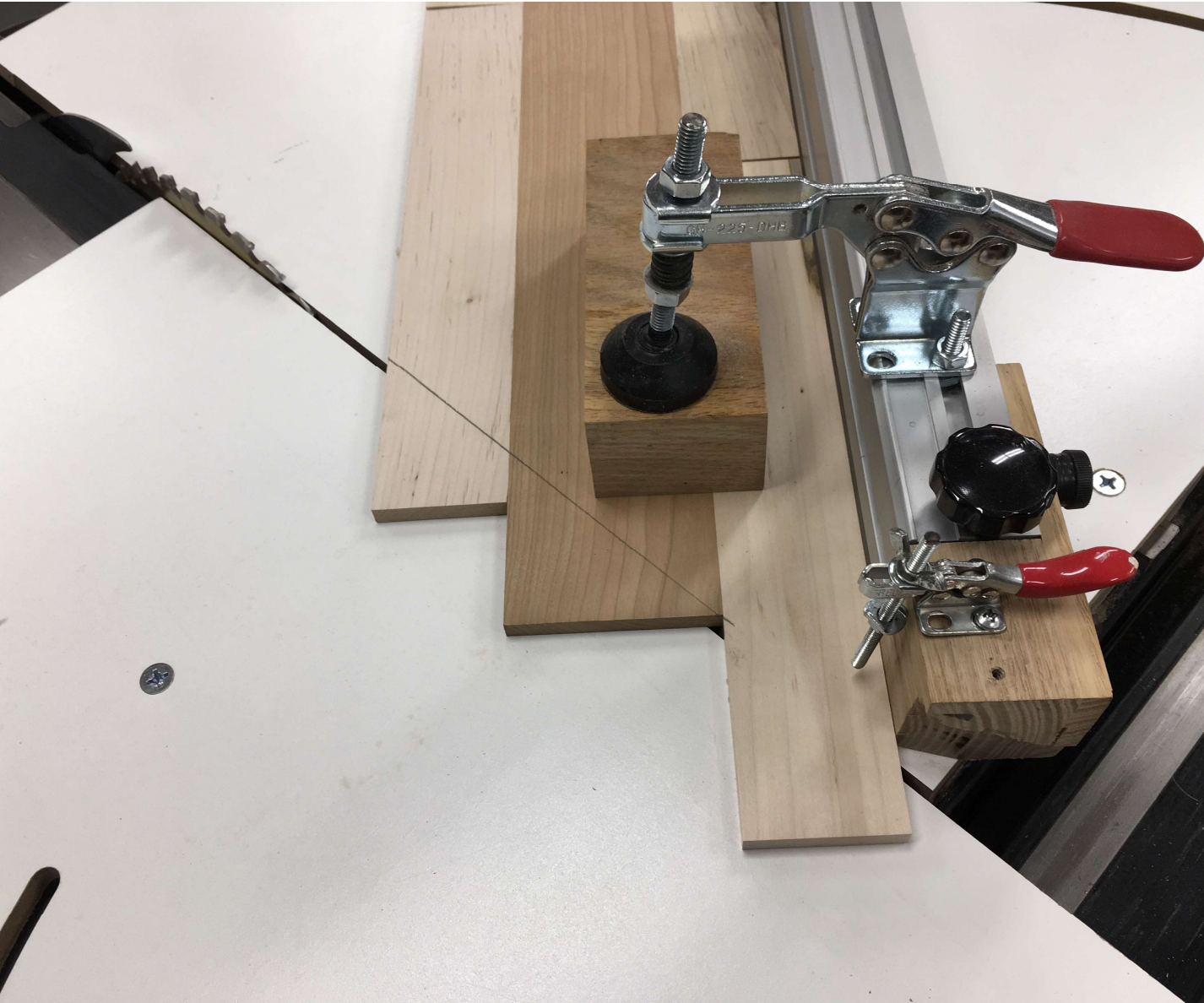


## GLUE LAMINATED BOARD

Stagger the boards at the angle the board is to be cut. This will save a LOT of wasted wood at both ends.

If you are using multiple boards in a strip, try to line the gaps at the same angle so that this area can be removed with as little waste as possible.

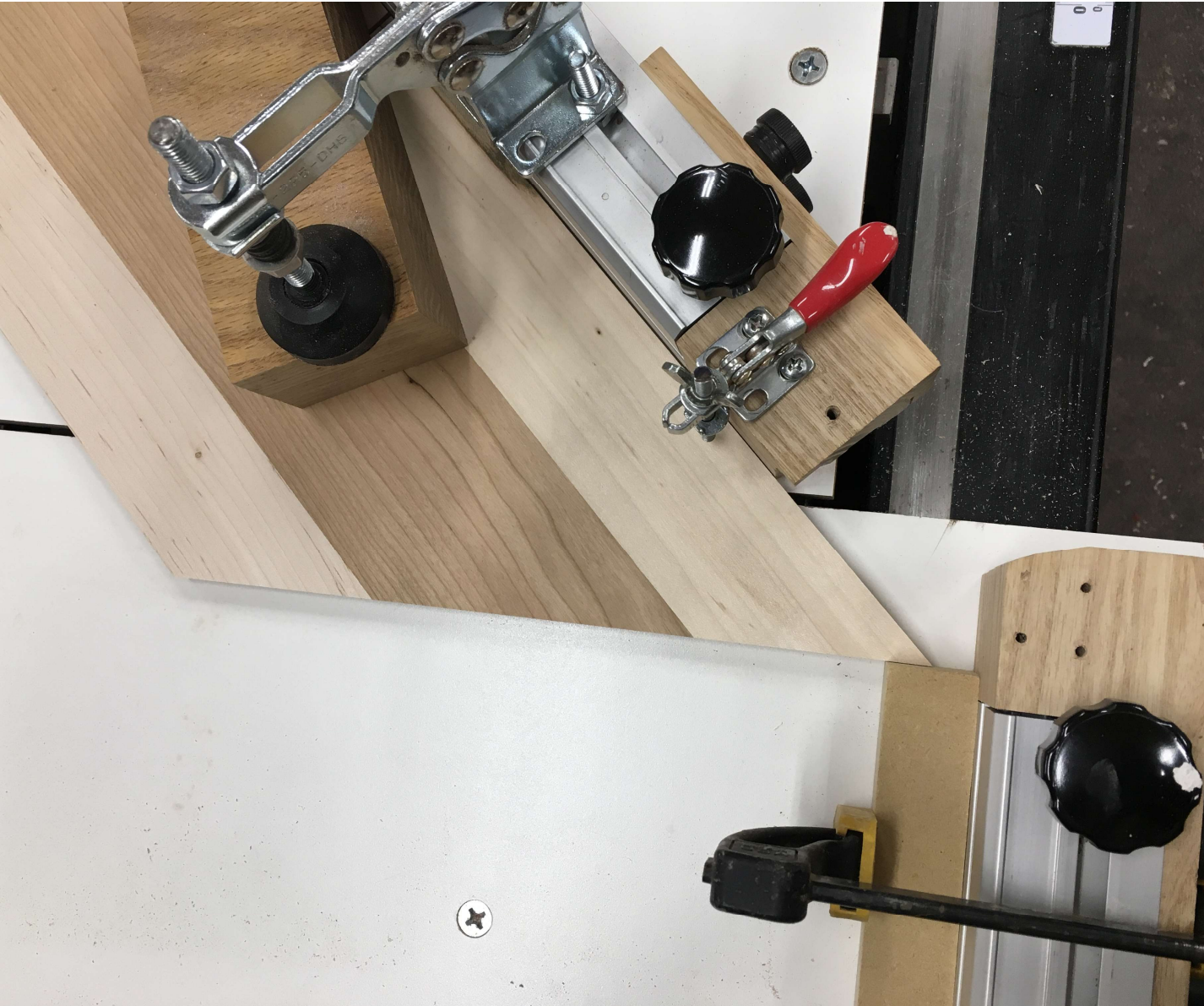




## MAKE FIRST CUT

Make sure that the laminated board is well clamped.

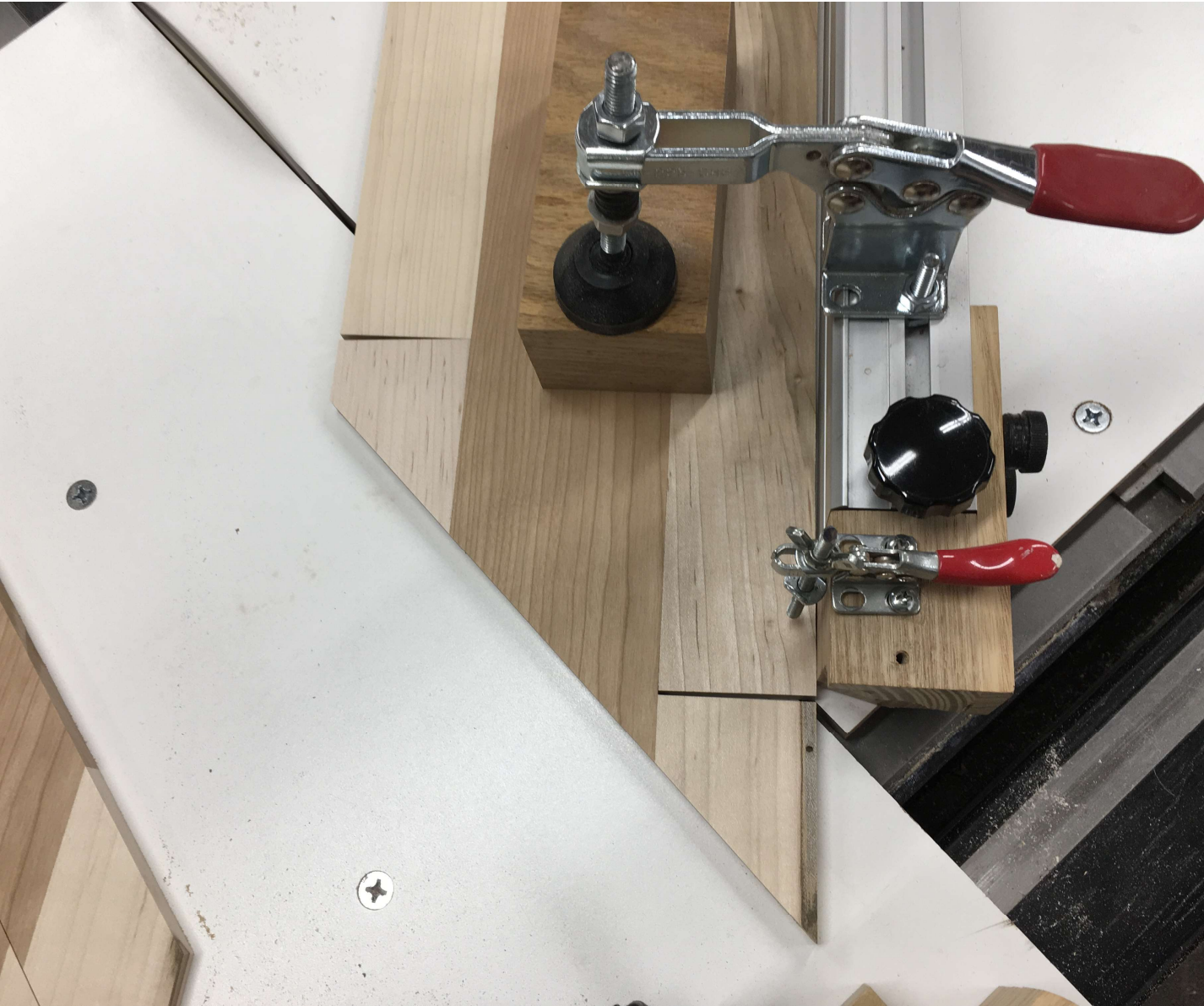




## CUT LAMINATED BOARD INTO STRIPS

Set a stop so that every strip will be exactly the same width





## **REMOVE UNUSABLE MATERIAL**

If you kept the joints at the correct angle, a minimum of wood can be removed from the laminated board





## **DRY FIT CHEVRONS**

Make sure that all strips are the same width and are free of defects





## GLUE STRIPS

Turn all strips on edge in same direction except the last strip which gets turned in the opposite direction so that glue will not be put on the outside of the last strip.

Apply glue liberally since only one edge of each joint will have glue spread on it.





## **DETERMINE WIDTH OF CHEVRON BOARD**

Measure the width of the board spanning the tips of the 'ears' on each edge







Lamination PRO  
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Lamination:  
Strip 1: 2" Holly.jpg  
Strip 2: 3" Cherry.jpg  
Strip 3: 2" Holly.jpg

To make the 1st Generation:  
Cut the laminated board into 1-3/4" strips at 45 degrees.  
Flip the left-hand strips left-to-right.

Width of repeating units: 3.5" (88.9mm)

To create the SW design, make a center kerf that is 3.000" (76.2mm) wide.  
Make 4 strips on both sides of the center kerf that are 0.2500" (6.35mm) wide.  
Slide all top strips by one-half of a repeating unit.  
Flip each strip of the SW design from top to bottom.

Board Width: 11.64" (29.57cm)  
Repeating Unit: 3.5" (88.9mm)  
Laminate Needed: 28.04" (71.21cm), plus 20% allowance: 33.64" (85.46cm)

$$\begin{array}{r} 11\frac{5}{8} \text{ Board Width} \\ - 3 \text{ Center Strip} \\ \hline 8\frac{5}{8} \\ \div 2 \\ \hline 4\frac{5}{16} \end{array}$$

## CALCULATE FENCE POSITION TO REMOVE CENTER STRIP

The formula is:

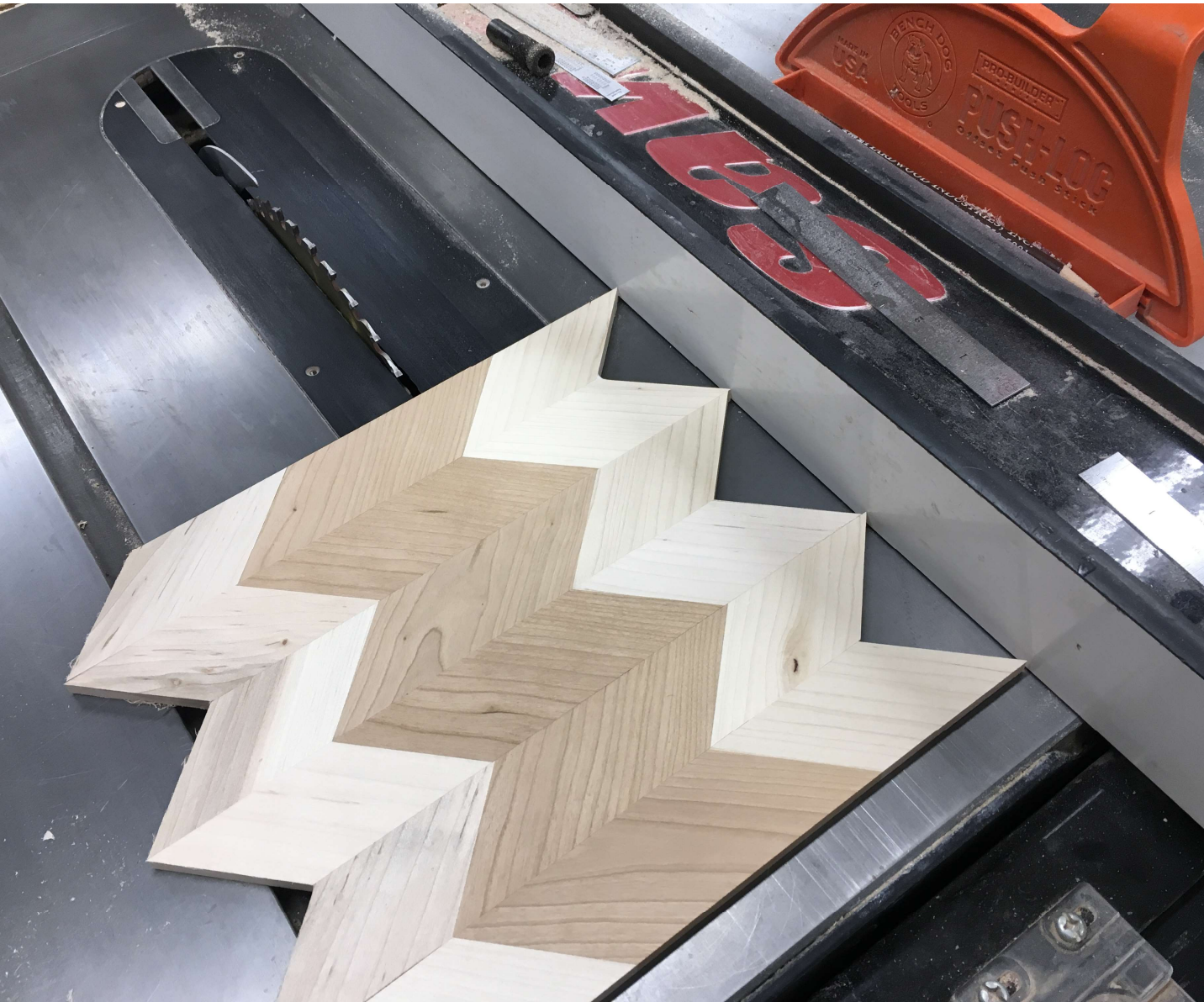
Board Width

Minus Center Strip Width

Divide by 2

The result is the distance that the fence is to be moved from the saw blade





## **MAKE FIRST CUT TO REMOVE CENTER STRIP**

Put the ears from one edge against  
the fence

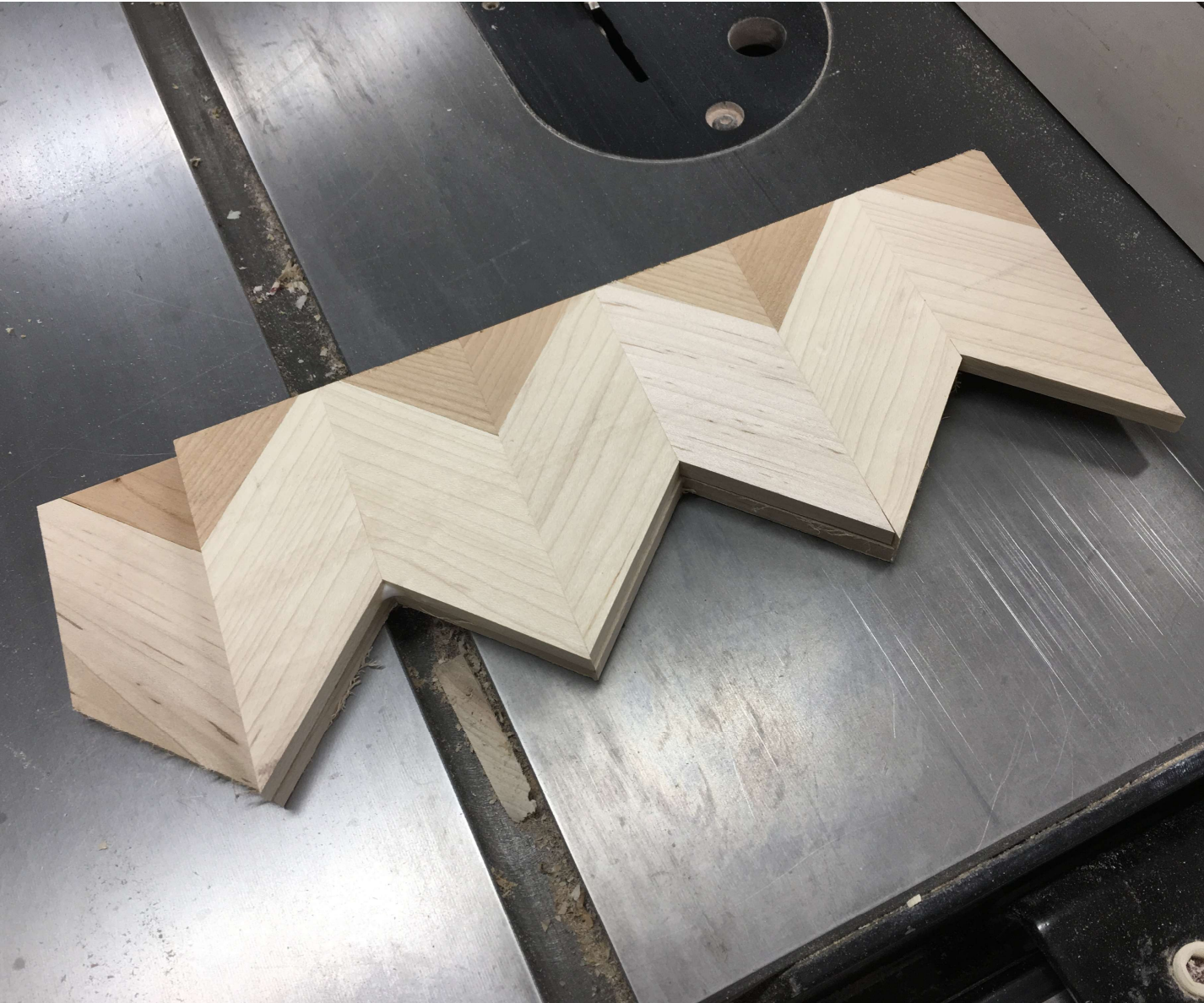




## **MAKE SECOND CUT TO REMOVE CENTER STRIP**

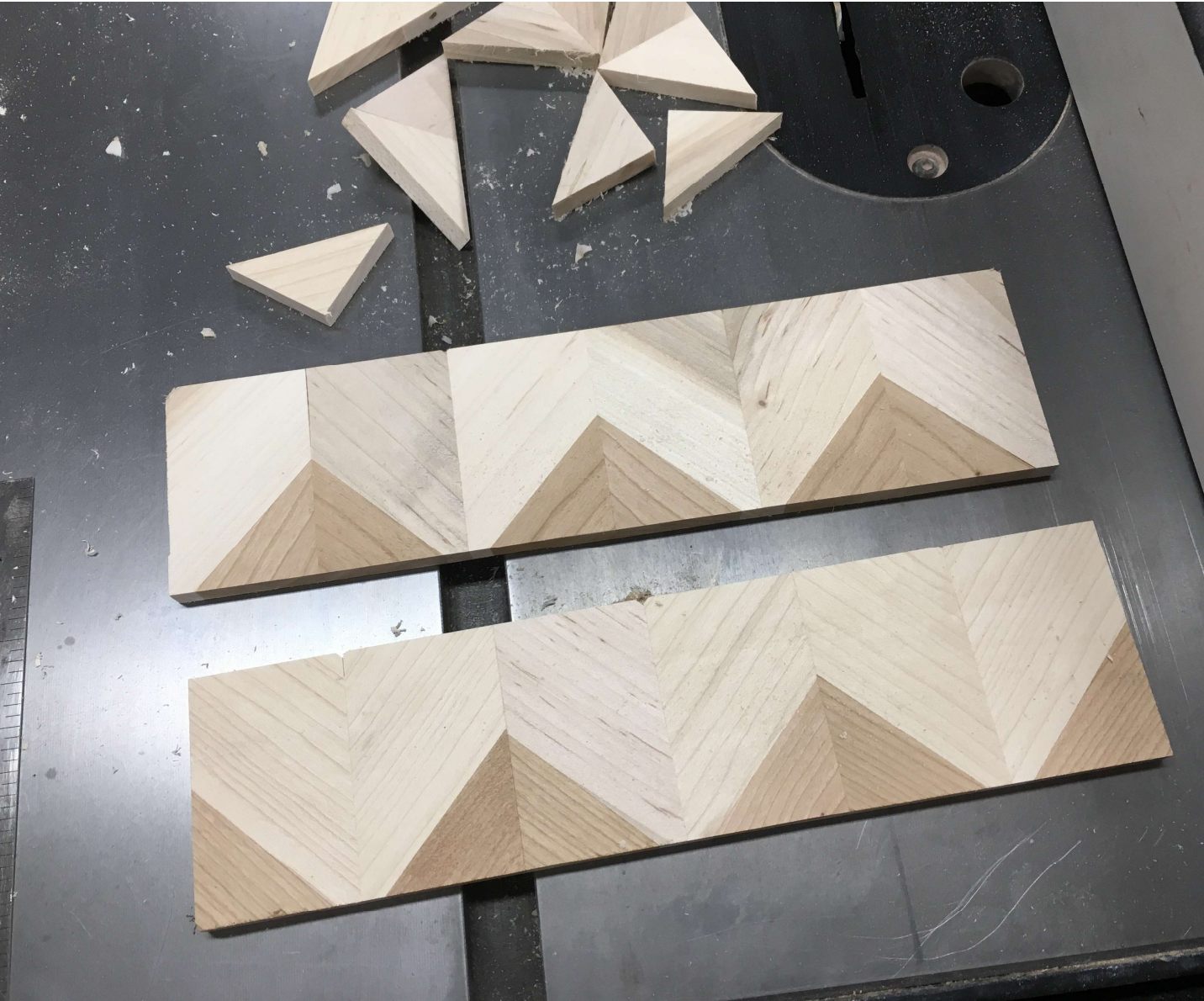
Rotate the chevron board so that the ears on the other edge are against the fence. This will remove the center strip with the width that you specified





**TWO REMAINING  
STRIPS WILL BE  
CUT INTO  
LENGTHWISE  
STRIPS**

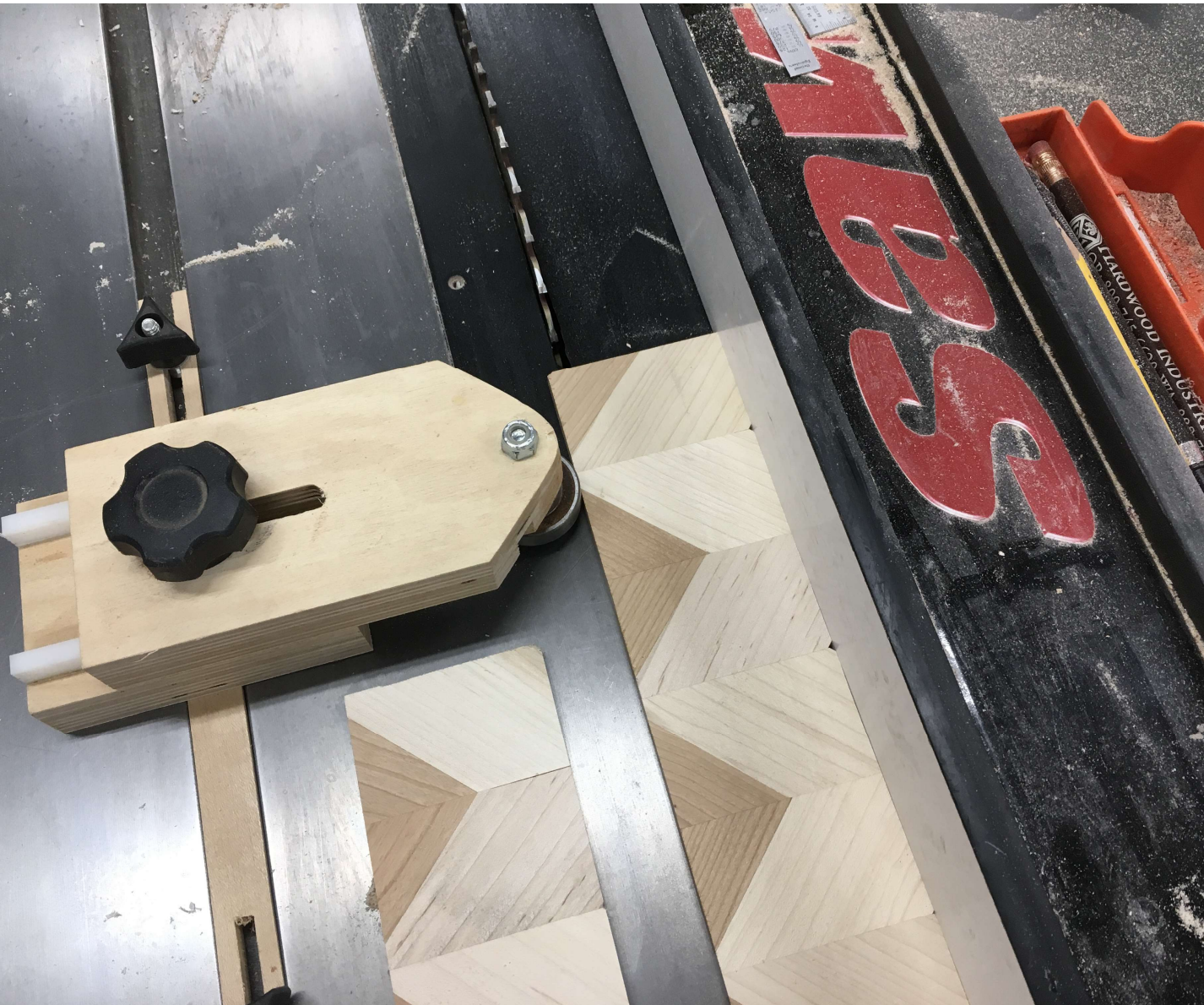




## **CUT OFF THE EARS**

This will make the process of cutting long strips safer and more accurate.





## USE THIN-STRIP JIG TO CUT LONG STRIPS

Alternately, you can set the fence the desired distance from the saw blade and cut the strips that way.

Make sure that no wood is ever left between the blade and the fence. This is a sure way to get a serious kickback.





## ASSEMBLE AND FLIP STRIPS

The Thunderbird pattern is made by using all the strips from one board and a single strip from the other board for the head.

Each of these strips are flipped from the original position. Experiment with the flipping of the head to see which is more appealing to you.





## **GLUE THE STRIPS TO MAKE THE FINAL DESIGN**

Congratulations! You will not simply need to cut the board into identical segments and then turn them up on edge to cut the angles so that the segments will make a perfect ring.

