



President - Lloyd Donnelly Vice President - Don Schmid
Secretary - Barry Brandt Treasurer - Ron Cirincione

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Calendar of Events

- September 1 General Meeting Yacht Club 7:00 p.m. Program: Toys for Tots Kickoff, plus presentation on the Club's new CNC machine.
- September 21 Annual Picnic 4:30 p.m. Tugaloo Pavilion
- September 24 Board Meeting Sloan's Hardware 8:15 a.m. All members are welcome.
- September 27 Wood Cutting (Details to be announced)
- October 6 General Meeting 7:00 p.m. Tour of Member Shops. (Details to be announced.)

Board Meeting Highlights - 8/20/2016

The TVWC Board met on August 20, 2016, with fifteen members present. The following items were discussed and, as appropriate, acted upon.

The POA has asked for recommendations of individuals or clubs for nomination for a POA Honors Award for outstanding community service. Members are asked to forward nominations to Lloyd Donnelly.

The Village Quilt Guild expressed its thanks to club members for making new quilt racks for its upcoming show. The Quilters donated \$250 to our club, which will be used for community service projects, including Toys for Tots.

There have been four new community service projects launched, bringing the year to date total to 27. Smoky Mountain Service Dogs has requested the club construct a large sign for

their organization. Bill McKeel and Ted Lethen will lead this project.

Treasurer's Report: The club has \$2555.96 in the General Fund, \$1309.30 reserved for Toys for Tots, and \$3000.06 reserved for Kiln Amortization, for a total of \$6865.32.

The current kiln inventory consists of 182 bf of 4/4 poplar, 40 bf of 3/4 poplar, 27 bf of chestnut oak, and 44 bf of pecan.

Fourteen teams have been formed for Toys for Tots, which include 75 members. There is room on some teams and a need for additional members who would like to help build toys. Also, the Club is working with the Sheriff to repair damaged bikes for distribution.

New Club brochures have been designed and printed. Dennis Wolken provided final editing

Board Meeting Highlights (cont)

and formatting prior to printing. Barry Brandt is responsible for keeping various displays in the Village stocked. Don Schmid will make four wood display stands to house the brochures.

Bill McKeel has offered the use of his Keeler dove tail jig to club members. This tool will be added to the list of available tools in the Resource Book.

New Member

Don Hageman

Welcome to the Club!

Community Service Project

Bill McKeel

A group of 9 club members constructed 2 information display stands for the Community Church at Tellico Village. The stands (each weighing 100 pounds) will hold tri-folds and full sheet information for members and visitors as they enter and leave the Narthex. Each information compartment has acrylic fronts and acrylic rods which will hold materials upright, as gravity and spinning will tend to tip them otherwise forward. The bases have fluted corners to match the other church furniture. The stands were stained and finished by Arthal Croft of Madisonville, also to match other church furniture. The stands are four sided and rotate on Lazy-Susans. For those of you who have not installed Lazy-Susans between two large, heavy, pieces of furniture, the group says the experience was somewhat challenging.



The church paid for the materials and the following members provided the labor: Bob Brown, Lloyd Donnelly, Dick Hoffmann, Jerry Jeffery, Don Kimbrel, Jim Mattavi, Bill McKeel, Ned Miller, and Bob Ware.

Beads of Courage



At the August meeting, seven of the nine club members who crafted containers for the Beads of Courage program were present to display their handiwork. All of the containers were provided to East Tennessee Children's Hospital and distributed to young cancer patients for storing beads they earn for bravely undergoing each treatment. Later, Bob Brown and Dave Breen got the opportunity to personally present containers to three patients at the hospital, aged 4 to 18 years old. (Check out our website for photos.)

The club members who made containers were Dave Breen, Robert Brown, Dave Brunson, Chris Campbell, Norm Coe, Howard Hickman, Dick Hoffmann, Wes McNeal, and John Seinar.



Annual Club Picnic

September 21 - Tugaloo Pavilion

4:30 p.m. - Socialize

5:30 p.m. - Dinner

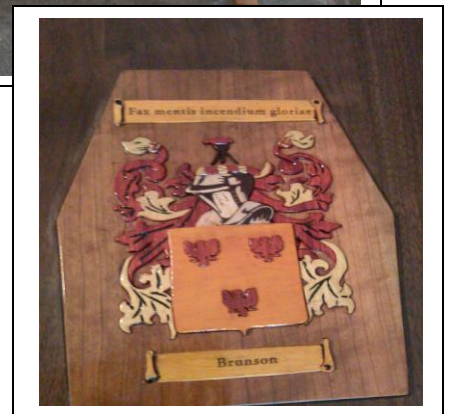
**Games, fun, and special recognition
of our octogenarians**

**Contact Howard Hickman to make
your reservation.**

hickmaneagle@gmail.com or 458-9899

From Our Members' Shops

Here's a look at the great projects members shared at the August meeting.



What Was He Thinking?

One of our stealth photographers snapped the photo below at our August general meeting. Our three couch potatoes are, from the left, Dave Ramsey, Chris Houle, and David Jones. That's Gene Yeager standing, with a somewhat mystified look on his face, trying to process the scene in front of him!

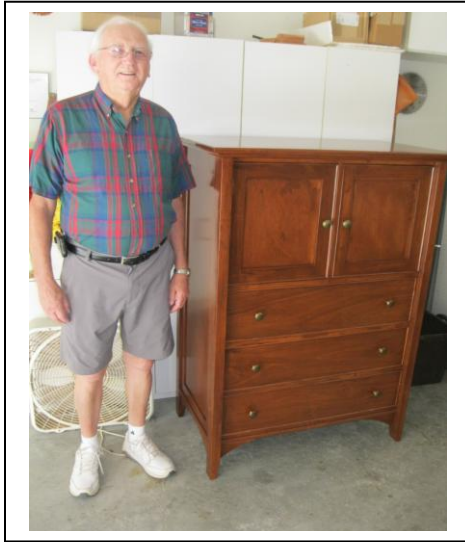
So what was Gene thinking? We'd like to hear your thoughts on this (Gene, you're welcome to join in). Give us a good caption for this photo and we'll run it again next month with all our best responses. (Note: Editor's email is in this newsletter's masthead).



Dave Brunson is leaving nothing to chance with his latest project. It's a beautifully crafted final resting place, with his family coat of arms and finished with 8-10 coats of laquer. We understand Dave has a long term lease on a storage facility until he puts this item to good use.



Bill McKeel built this handsome bench out of walnut, complete with through tenons for support. Bill made this for a grandson, soon to be married.



Don Kimbrel stands beside his poplar chest of drawers, finished with a fine cherry stain.



Dan Taylor discusses the sliding drawers he constructed for his kitchen cabinet project. This large one is designed to store large appliances.

Tools and Tips

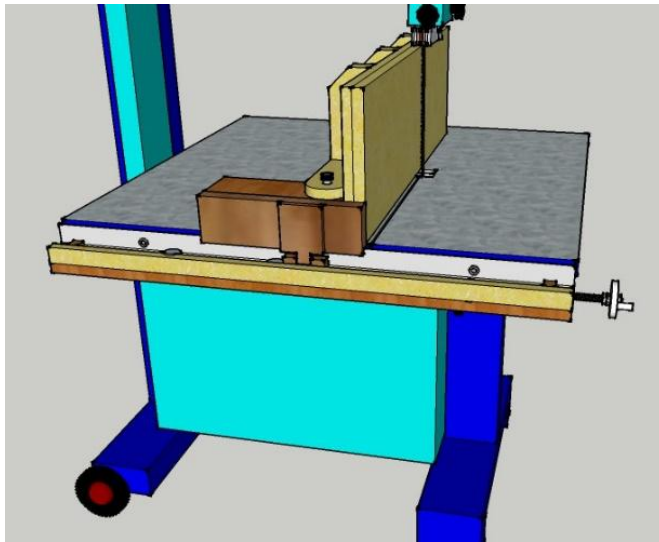
(Ed. Note: A big thank you to member Dick Hoffmann for this great write-up. We can all make better use of our band saws for re-sawing with his ideas. This month we are presenting the first two parts of his article making the adjustment mechanism and fence. Next month we will present the final part on making the re-saw sled.)

2 Great Re-saw Jigs for Your Band Saw

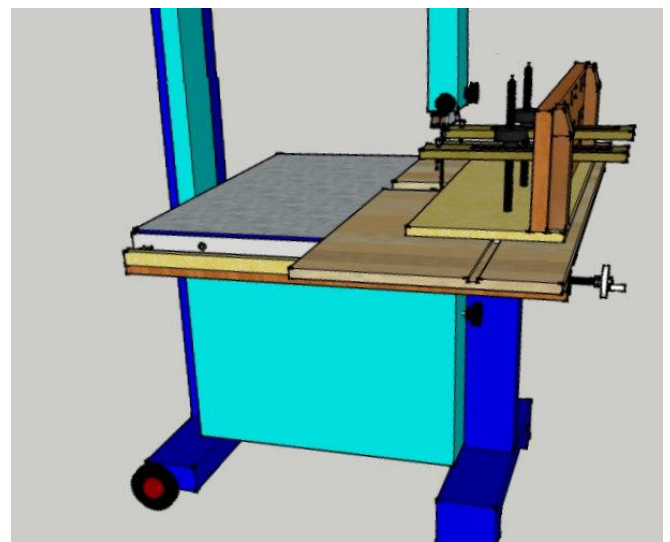
Dick Hoffmann

Re-sawing on the band saw can be frustrating. What normally happens is while re-sawing a board, the blade wanders leaving you with two truly ugly boards. The trick of re-sawing is **not** to put any side pressure on the blade while cutting. You also have to use a sharp blade. If the blade is dull or the tooth set is not proper, the pressure need to make the blade cut will generally cause the blade to wander.

There are two shop made jigs that can really help this problem: an adjustable fence and a re-sawing sled. Both are controlled with the same shop made adjustment mechanism which is attached to the band saw bed. While the adjustment mechanism helps with accuracy in controlling the cutting thickness, both jigs work well without it. The reason the jigs work is they virtually eliminate any side pressure on the blade while re-sawing. The fence jig and common adjustment mechanism are shown below:



Adjustable Band Saw Fence

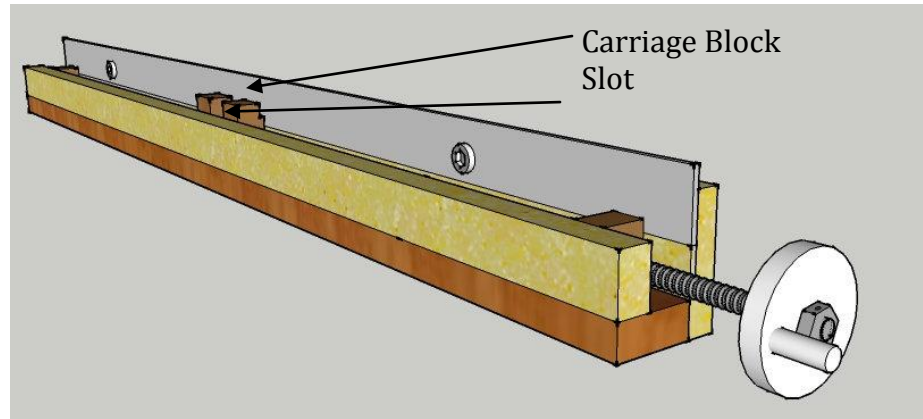


Re-Saw Sled for Band Saw

Note: Because each saw is different, all measurements are rough and will need to be adjusted to your band saw.

The Adjustment Mechanism

The mechanism is just a long threaded rod that is turned, moving a carriage block. Both jigs have pins that fit into a slot in the carriage block. When the bolt is turned, the block (and inserted jig) move on the saw's table. Because one turn of the rod is only a fraction of an inch, you have very fine control over the jigs positioning on the band saw's table.

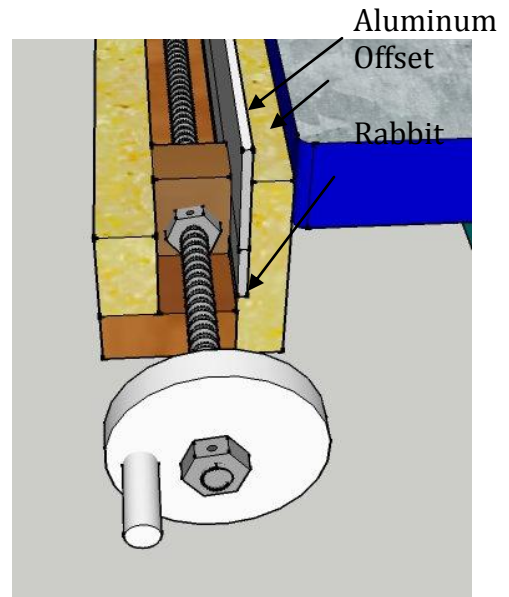


Building the Adjustment Mechanism:

1. Materials needed (other than wood)
 - a. A $1/8$ " x $1\frac{1}{2}$ " piece of aluminum that is as long as the band saw table is wide
 - b. A $3/8$ " threaded rod, about 6" longer than the band saw table is wide
 - c. 7 hex bolts for the rod
 - d. 8 wood screws ($1/2$ " long)
 - e. 7 small nails

2. Make the rod holder

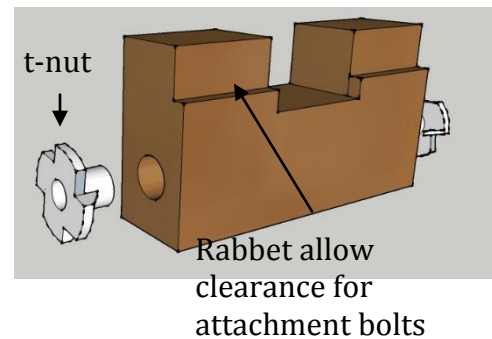
- a. Cut length of wood, $\frac{1}{2}$ " x $2\frac{1}{2}$ " x table length.
 - i. Cut a rabbet in one side, $\frac{1}{8}$ " wide and 1" deep
 - ii. Cut the aluminium to the same length
 - iii. Mount the aluminium in the rabbet. Use $\frac{1}{2}$ " long wood screws drilled through the aluminium into the wood. This should leave the aluminium $\frac{1}{2}$ " above the wood. This will be the guide the jigs will ride on.
 - iv. Make sure the screws are at least $\frac{1}{2}$ "



- below the top of the aluminium so they don't interfere with the jigs.
- b. Make the bottom and sides out of wood, leaving a $\frac{3}{4}$ " gap where the rod goes.
- c. Leave several spaces in the bottom of the assembly to let saw dust out.
- d. Insert two blocks of wood with slightly oversized $\frac{3}{8}$ " holes to hold the threaded rod.
- e. Glue and screw everything together.

3. Make the carriage block

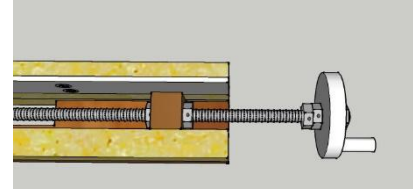
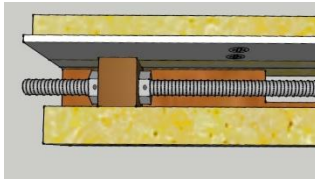
- a. Cut a piece of wood into the shape shown.
- b. It needs to be slightly less than $\frac{3}{4}$ " wide so it can freely slide in the rod slot.
- c. Drill a slightly oversized hole in the bottom of the block to accept the rod.
- d. Enlarge the holes at each end to accept a $\frac{3}{8}$ " "t-nut".
- e. Secure each t-nut and make sure the rod can go through the carriage and freely turn.
- f. Glue the t-nuts in place.



4. Lock the rod into the rod holder.

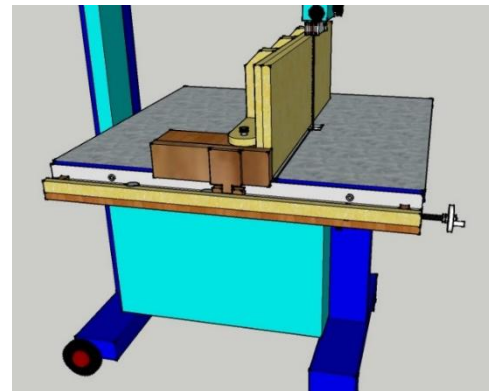
- a. Thread the carriage onto the middle of the rod
- b. Run a hex nuts on both side of the carriage and then place a washer on both ends of the rod and move them next to the nuts
- c. Insert the rod through the back holder block and then through the front holder block. (The carriage and hex nuts may need to be repositioned to do this)
- d. Place a washer and hex nut on both outside end of the rod.
- e. Bring the washers and hex nut up to both sides of the holder blocks. (pictures do not show washers)

- f. Drill small holes in through the hex nuts (and rod) and glue a small section of a nail in the hole. This will lock the hex nut to the rod)
 - g. Make a wooden disk (about 2 ½" in diameter).
 - h. Drill a ¼" hole near the edge and mount a turning handle on the disk.
 - i. Drill a 3/8" hole in the center and mount it on the front end of the rod, securing it with 2 hex nuts (locked) in the back and one in front.
 - j. Make sure the top of the disk is below the band saw table to avoid interference when turning it.
5. Attach the adjustment mechanism using existing holes in the band saw table and securing with bolts, making sure the bolts do not interfere with the carriage travel and are at least ½" below the top edge of the aluminum rail.



The Adjustable Fence

The adjustable fence is made of two parts. A base that rides on the aluminium rail and a rigid L – fence that can be pivoted slightly, adjusting for any blade drift.

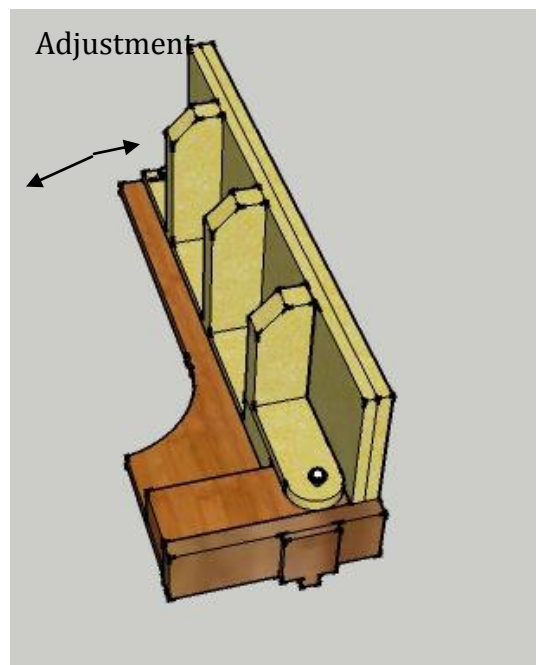


The base

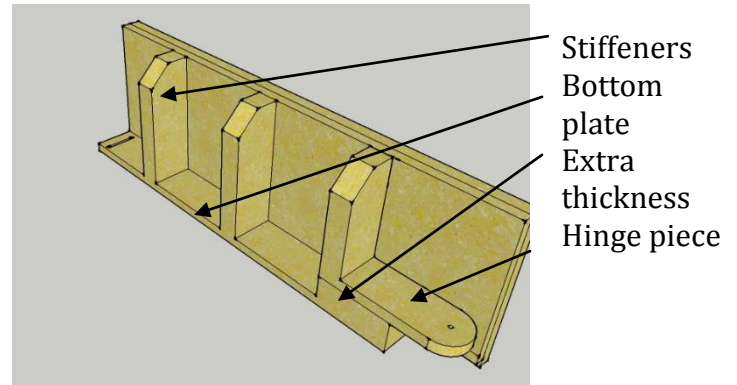
1. Cut a piece of ¾" particle board or plywood in the shape as shown in the picture. The cut out area is to accommodate the saw's back column when the jig needs to move all the way back on the saw's table.
2. Cut a 1 ½ " block to fit on top of the large end of the base as picture.

The L-fence

1. Next construct the L-fence using double thickness of particle board or plywood. The blade side of the fence should touch the table, but the back side needs to be offset by ¾" so it can sit on the base above.
2. Make stiffeners (2 or 3) out of doubled up particle board or plywood.

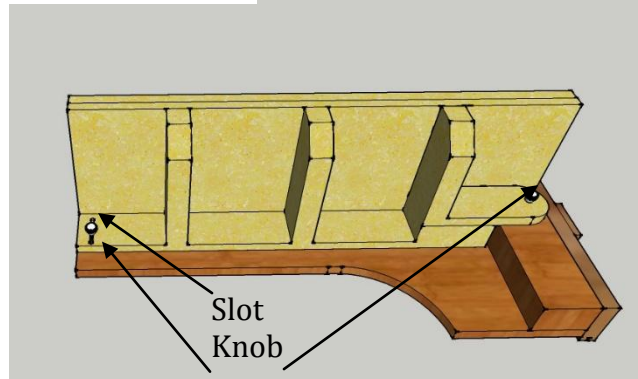
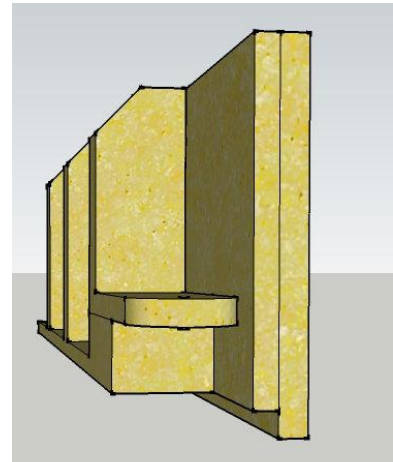


3. The stiffeners sit on a plate that is the length of the base, up to the 1 ½" block (# 2 above)
4. Add enough thickness to the plate to attach a hinge piece that goes on top of the 1 ½" block.
5. Glue everything together to make the L-fence.



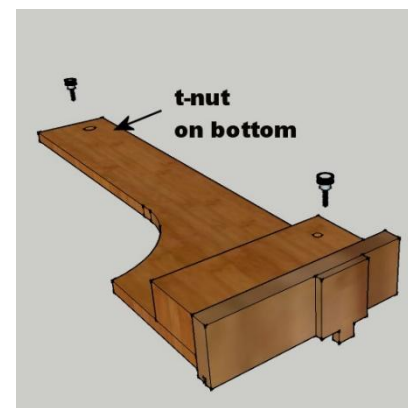
Putting it all together

1. Position the L-fence on the base, leaving about ¼" gap between L-fence and the base. This gap is needed so the fence can pivot around the hinge point.
2. Drill a ¼" hole through the hinge piece and the 1 ½" block.
3. Drill a ¼" hole in the other end of the L-fence, through the bottom plate and the base.
4. Turn the base over and add a ¼" t-nut in the drilled hole.
5. Add a ¼" t-nut on the under side of the 1 ½" block.
6. Glue the 1 ½" block to the base, with the t-nut buried in the block.
7. Expand the back hole in the L-fence to a slot. This will allow the fence to be rotated around the hinge point.
8. Secure the L-fence to the base using 2 knobs with ¼" bolts threaded into the 2 t-nuts



Add the carriage track and pin

1. Cut a 1/8" slot in the edge of a piece of wood 2 14" x ¾" and the length of the large end of the base.
2. Add a piece of wood that fits into the slot of the carriage block of the adjustment mechanism.



To Use

Draw a straight line down the edge of a piece of wood. Free-hand saw down the line and stop about half way. Without moving the wood, bring the fence up to the wood and using the hinge, match the fence's angle to the wood's edge. This make the fence exactly parallel to the cut direction of the blade no wandering cuts.