



Northern Rockies Woodworking Guild

April 8, 2014

NRWG.org

Volume 9, Issue 8

Officers

President
Bob Taylor

Vice President
Dan Olsen

Treasurer
Rick Hedlund

Secretary
Dean Center

Next Meeting

Tuesday, May 6,
2014

7 pm

Bozeman High
Wood Shop

Topic

“Hollow Turning”
DVD by David
Ellsworth with
focused discussion
lead by Ron Lerner

Minutes of the last Meeting

Meeting called to order by President Bob Taylor.
Guests Steve and David Blockey were welcomed.

Treasurer's Report: Bank balance after small deposits and expenses is \$3161.27.

Bob said it was time to get a nominating committee working on a slate of officers for next year, as our election will be in September. Tony Huckert and Mike Kelly have agreed to be the committee. Anyone interested in serving as an officer, please contact one of them.

The May meeting has been moved up a week to allow some of the members to travel to the Utah turning symposium and Craftsupplies sale. The meeting will be Tuesday, May 6. The topic will be a moderated discussion based on the DVD “Hollow Turning” by David Ellsworth, parts of which will be shown at the meeting. Ron Lerner will be the leader of the program.

John Noyes reminded us that Gordon McMullen will be inducted into the Montana Folk Art Hall of Fame (or similar) at the capital building in Helena on Friday, April 25 at 3 pm. John and Jesse Tode, at least, plan to attend.

Dean announced that the library now has reminders on how to file the sign out cards, and the reminders are on both boxes and the file box. Please file the cards by the first letter of the last name of the author of the book or DVD. Dean donated the DVD “Ellsworth signature gouge” by David Ellsworth to the library.

The meeting portion was adjourned after just the right amount of business conducted.

A raffle was held, and the lucky winner snatched up a 4 piece turning tool set that George and brought in as a donation just this evening. Thank you George!

Show and tell was once again rich with interesting pieces.

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Announcements

Please note our May Meeting is a week earlier than usual.

The Utah Woodturning Symposium is May 15-17 in Orem, Utah. (Utahwoodturning.com)

Craft Supplies is hosting their annual Super Wednesday, featuring 20 free demos, sale items, door prizes and food, on May 14 at the store in Provo. (woodturningcatalog.com)

The Woodturners of Olympia (Washington) are hosting a demo by Richard Raffan and Nick Staggs on July 26. There are also 3 days of hands on with Raffan to follow, but all spots are apparently taken. (woodturnersofolympia.org)

Yellowstone Woodturners in Billings is presented an annual workshop featuring Kip Christensen on August 24-25. (yellowstoneturners.org)

The Rocky Mountain Woodturning Symposium in Loveland, CO will be 9/12/2014-9/14/2014. (rmwoodturningsymposium.com)

Please check the classified ad section on our website as there are a good number of items you can't live without.



Minutes, con'd

The Demo for the evening was How to Make and Use a Circle Cutting Jig For the Band Saw, put on by Bob Taylor. The basic steps are to take a good sized piece of sheet goods, then cut tapered edges into a board creating a captive sliding piece. The side pieces are screwed into the sheet piece. Small holes to fit a pin are drilled into the center line of the sliding portion, as well as a routed slotted to fit a carriage bolt that locks the slider down. (Bob provided instructions for any one who wants them and they will be published with the newsletter) A slot is cut into the sheet piece to go around the saw blade and a cross piece added to the bottom to fit into the miter slot on the saw table top.

To use, the sheet piece is clamped on the saw table top with the center line carefully aligned to the front edge of the saw blade. The wood to be cut has a 1/8" or so hole drilled in the center and is set on the pin which is at the appropriate hole. Then the sliding part is moved to place the side of the wood against the non-running blade and the carriage bolt tightened. Then it's just a matter of rotating the wood slowly in a circle. Bob encountered a dull blade on the high school saw, but once swapped out, the jig easily cut a nice circle in some 8/4 walnut.

He is donating the completed jig to the high school shop students.



Instruction sheet for Band saw circle cutting jig

Cut 22 inch x 22 inch plywood base, cut a 2x7 inch slot at one end (draw a line down the center of board the slot must be centered) this will straddle the saw blade.

Use a 6 inch wide hardwood board x 22 inches long
The board is to be sliced in 3 equally wide pieces
after all the holes and slot are finished,

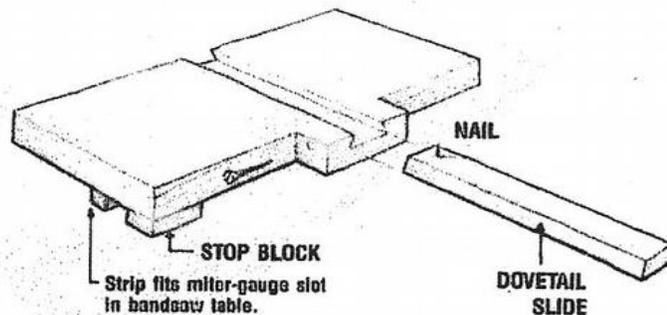
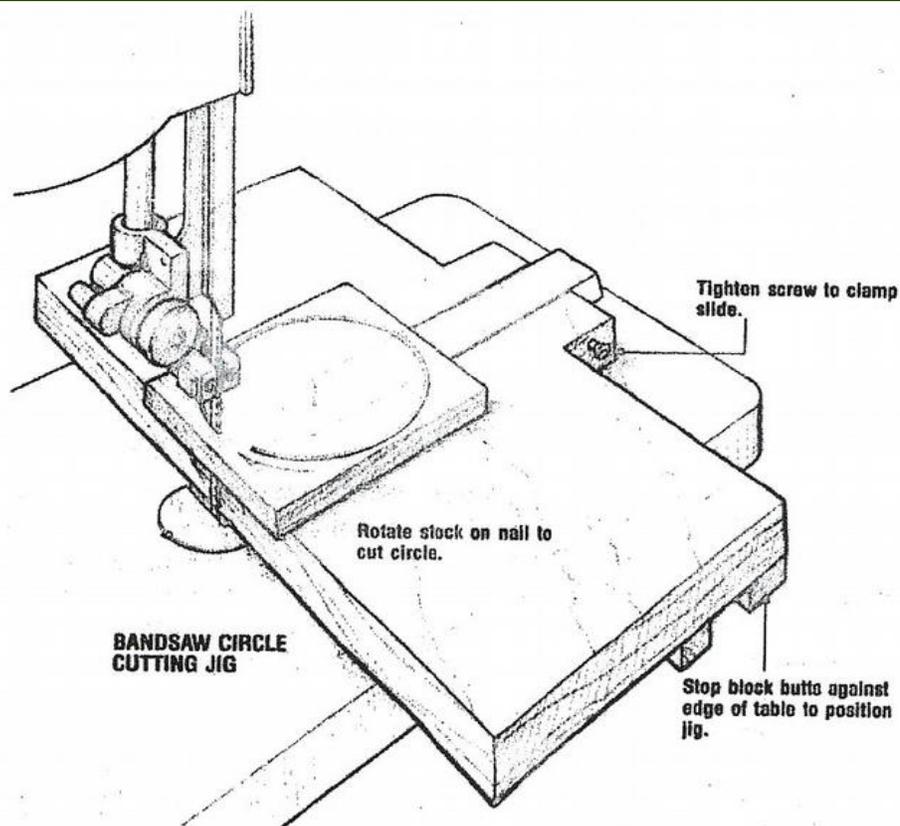
When sliceing the board use be sure to use the band saw and the cut is 45degrees,

The finger hole is 1 inch the carrage bolt slot is $\frac{1}{2}$ wuide x $\frac{1}{4}$ deep to allow for the bolt head to ride, the slot for the threaded end of bolt is $\frac{1}{4}$ use a long enough bolt to allow a wing nut on the bottom drill 6 or seven holes 1 inch apart to stick the pin in at the desired spot for cutting the circle (be sure the holes are lined down the center of the board) you can use a $\frac{1}{4}$ dowel rod or a short steel pin The holes should be $\frac{3}{8}$ deep Cut 7 inches off end of center board

I suggest that when assembling this jig, after it is cut and drilled lay the three pieces side by side use a wide taoe to tape across the top joining the 3 together, lay them on the board be sure that everything is straight along the center of the plywood base, screw the 2 side pieces to the base, You may

WANT TO LAY PAPER ALONG 45° ANGLES- TO ALLOW EASE OF SLIDE—





Bandsaw Circle-Cutting Jig

This plywood jig makes it easy to cut perfect circles on the bandsaw.

The stop block butts against the front edge of the bandsaw table to line up the nail at 90° to the front edge of the blade. Adjust the dovetail slide for the size circle you want. The distance between the nail and the blade equals the radius of the circle. Rotate the stock on the nail to cut the circle. **HINT:** For sanding wheels with a hole, replace the nail on the dovetail slide with a dowel.

Make a similar jig, without the stop block, to sand circles on the disk sander.

Bill Bigelow
Surry, NH