



Encouraging all woodworkers in self-expression, craftsmanship and knowledge

Colorado Woodworkers Guild

Oct 2018



President's Message

President Message

Hello Everyone, it is hard to believe it is Rocktober again, Go Colorado Rockies. I am writing this early and I hope I do not jinx their run.

Last month I was asked several times why I only put the gasket material on one half of the claw of the saw vise. One reason is that is all that is needed to firmly hold the saw for sharpening. The other reason is, that is what was recommended in the instructions for building a Moxon Vise that I built for my bench top bench.

Instructions can be downloaded here: <https://www.benchcrafted.com/moxon> The Crubber I used was 1/16" cork gasket material purchased at Napa Auto Supply. <https://www.napaonline.com/en/p/FPB3018> **It works great.** I did not use the Benchcrafted hardware, I am sure it is of the highest quality. I chose to be a little frugal and I purchased 3 dumbbells from Walmart. <https://www.walmart.com/ip/Gold-s-Gym-Dumbbell-Handle-with-Spinlock-Collars-14-Standard/21672514>

They are Acme threads approximately 1" in diameter and 4 to 5 threads per inch. They are pretty stout, and I believe they can handle whatever you want to clamp in your wood working projects.



I wanted to make sure I could build one and to make sure I liked the results. I was very happy with the first, so I built another Moxon Vise for the bench I built for my CNC machine.



I don't have any instructions for the bench, but you can do your research on the internet and find boat-loads of advice.

The next Moxon Vise I build will be on my new work bench. I have the maple laminated bench top sitting in my garage. But that project seems to be on hold and that is another story to be told later. To many projects and not enough time. Sound familiar?

Here is a peek at a project I am working on now. I hope to have a good story or two to share at our Rocktober meeting.



Go Rockies

Dale Bowlin President

Upcoming Meetings, Classes, and Events

October 16, 2018 - Veneering Using Fusible Webbing. Scott Roth will show us how he does veneering using fusible webbing.

November 20, 2018 - This is our annual election of new leadership meeting.

December ??, 2018 - We have no member meeting in December. Instead, we have our annual Holiday Party. This is not yet scheduled but is always a fun gathering! Stay tuned for more info on this event.

Community Service

ATTENTION TOYMAKERS

November approaches. The Holiday Toys Project committee would like to know who is making what this year. Please let Charlie Kuechenmeister know what you are planning to have available by the end of November for this year's effort. His contact information is below.

Also, we want to remind everyone that the Guild has wheels available for those of you who are making toys that want wheels—cars, trucks, whatever. If you'd like some, please get a hold of Charlie or Jeff Roth. Jeff's contact info is also below:

Charlie Kuechenmeister.
303 830 2555
charlesk13@gmail.com

Jeff Roth
303 517 7095
jeffroth@myawai.com

Show and Tell

There were five Show and Tell entries at the September meeting.

First up, our illustrious president **Dale Bowlin**, inspired by the saw sharpening demo at the August meeting, brought in a Saw Vise he made. Constructed from ash, oak, and pecan and finished in BLO. If you are interested in making this vise, instructions are in the September newsletter.

Next, **Roger Abraham** showed off a fancy five-drawer bandsaw box made of Aromatic Spanish Cedar and finished with one coat of Watco Oil followed by eight coats of wipe-on poly and tons of sanding to produce a pretty high gloss. Parts of the box are filled in with crushed Turquoise.

I always like to bring something to S&T but haven't been in the shop much. The only thing I produced in the past month is a zero-clearance Insert for an old Craftsman table saw made of scrap plywood and scrap formica and carefully fitted into the saw. After fitting, the ply was so thin that I reinforced it by soaking CA into the grain. So you could say it was finished with CA.

Next, **Don Prorak** showed off a double tri-corner bowl, with a fitted lid. On top of the lid is a handle that is a small double tri-corner bowl. The bowls are made of maple and the lid is walnut and finished with Maloof poly/oil. Pretty amazing work.

Finally, **Bill Knoll** showed a bowl made of cherry scraps that were donated to the guild by Cliff Whitehouse at the August meeting. Cliff often brings in a box of cutoff scraps, some of which end up in my shop. Bill's bowl is finished with walnut oil.

Thanks to all who brought in something to show off. I always look forward to seeing the work of our members. Feel free to bring in anything you are working on to show us.

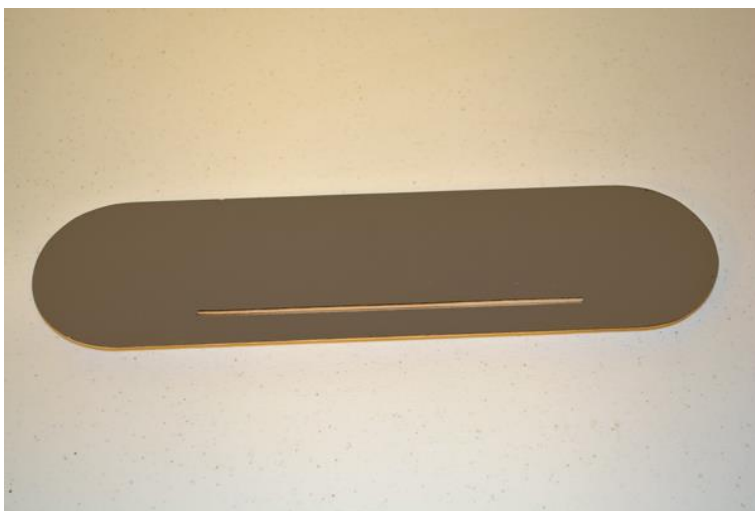
The winner of the evening was **Don Prorak's** double tri-corner bowl.

Cary Goltermann

Cary Goltermann for Kevin Loyd Show and Tell



Show and Tell Photo Gallery



Presentation

Woodturning Basics

Guild member Don Prorak is also a member of the Front Range Wood Turners. With his mentor and master wood turner Bruce Perry, he presented a broad survey of the elements of wood turning. Even a cursory listing of the subject matter presented would fill this newsletter to overflowing, so let's just take a look at some of the highlights and suggest that readers follow up at FrontRangeWoodTurners.org for in-depth advice and instruction. Bruce also teaches what he refers to as Turning 101, an all-day class at Rockler's. And don't forget that a video of the entire presentation can be viewed on the Guild's website.

Nothing involving cutting or reshaping wood should ever be attempted without a proper appreciation for safety, and turning presents its own set of necessary safeguards. Some of the recommendations discussed may not have been in evidence this evening, but Don and Bruce were both emphatic in stressing their importance. Discussions included turning speeds vs. object size, wood species, mounting methods, proper tool rest position, proper and improper use of lathe tools, and so on. Natural products spinning at high speeds can do sudden and nasty things to soft objects like humans.

Both Don and Bruce talked at length about using the right tool for the job at hand, the differences between British and American lathe tools, the various mounting methods for a variety of turning tasks, the types of gouges, the need for frequent sharpening (if you're wondering at all, it's probably time to sharpen; if you've been cutting for half an hour, it's definitely time to sharpen), keeping a cheap set of open-end wrenches handy to measure diameters, and myriad similar subjects.

Another turner, Ken Rowlands, spoke of his background in woodworking and what led him to turning (furniture for his two granddaughters' American Doll collection), and how he now manages to work turned objects into many of his woodworking projects. Ken supported his discussion with numerous photos of completed projects, from the aforementioned doll furniture to adult-size pieces, all incorporating turning.

Finally, Don and Bruce conducted a question and answer session, during which they noted that the surface at which the cutting edge typically works travels past that edge at 40 mph, the "magic" speed for bowl turning is 1100 rpm, but for turning a baseball bat, it's 800 rpm.

Early in the presentation, Bruce likened learning to turn competently to practicing scales on a piano. Having sat through this session, that seems a most apt analog.

Bob Kleinfeldt, Director at Large

[Click here to view Woodturning Basics video](#)

Member Projects

Hand Tool Corner

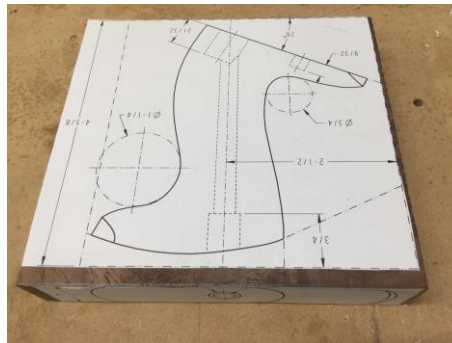
Last time we left off with a partially restored Stanley Handyman #3. This month, we wrap up the project with a new tote, front knob, and fresh paint.

Tote:

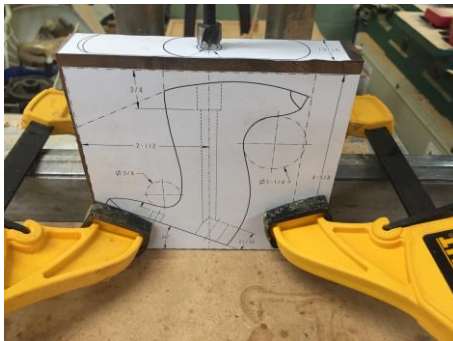
For those who might not know (I did not at first), the rear handle on a plane is referred to as the tote.

The first time I made a tote for a plane, I didn't know where to start. I think the main problem is how to drill a hole through the tote so that it will mount correctly on the plane. I searched around the web and luckily found an answer on the Lee Valley & Veritas website. They have put up .pdf files with detailed instructions for Veritas bench planes and Stanley #2 through #8 bench planes. You can find these at <http://www.leevalley.com/us/wood/page.aspx?p=63262>. One important thing to note is that when you print the pattern, make sure it's printed at 100 percent because any scaling will throw things off. (I speak from experience and wasted wood.) I won't include the pattern here as I'd like to avoid violating any copyrights, but I will include pictures of how I used the pattern. The instructions indicate a piece of wood 4 5/8 by 4 3/8 by 15/16-inch thick is needed. I think pretty much any type of wood will work. For this project I'm using a scrap of walnut for the tote; it's just under 15/16-inch thick, which I don't think is a big issue.

Print the pattern for the tote at 100-percent scale. Cut it out and glue it to your soon-to-become-a-plane- tote piece of wood. Here is a pic of mine:



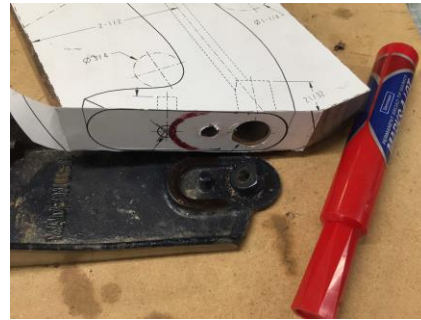
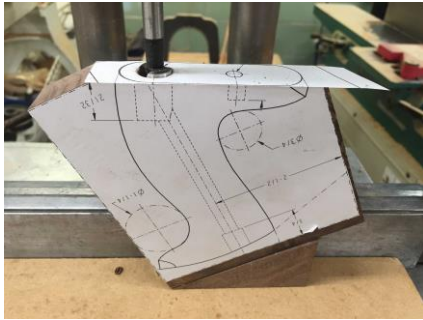
Now we need to drill a 7/16-inch counterbore at the top and a 5/16-inch hole straight through the handle. Here is how I set up to do this on the drill press, first the 7/16-inch hole, then the 5/16-inch hole. I had to drill the 5/16-inch hole in more than one step, moving the drill table up between steps.



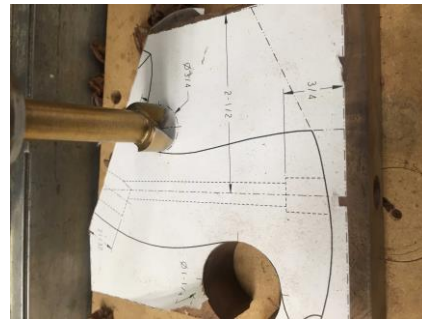
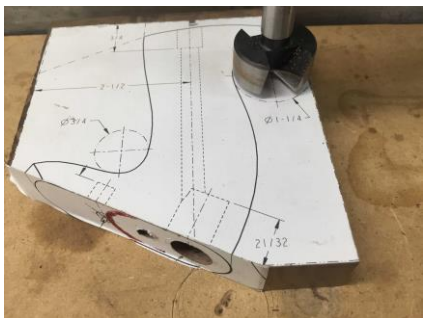
The next step is to cut off the 26-degree chunk at the bottom of the handle. Here is the cut made on my table saw:



Save the drop off from this cut; it gets used in the next step. Next, we drill holes in the bottom of the tote to facilitate mounting on the plane. Hot glue the drop off from the cut on to the top of the tote. Below is a pic of the resulting tote setup to drill the bottom holes. At this point I realized the pattern for a Stanley #3 is somewhat different from a handyman #3 and had to transfer from the plane body to the tote. The pic below shows how that was done:



Next waste is removed using $\frac{3}{4}$ -inch and $1\frac{1}{4}$ -inch forstner bits:



Finally, the handle was cut out on my scroll saw. (I neglected to take pictures of this.)

We now have a rough handle that can be fit to the plane body. After shaping and sanding, here are the results.



I had intended to finish off this project/article this month, but my schedule got the better of me. The plane, as pictured above has been sitting on my workbench taunting me all month. My apologies. I will finish this next month for sure.

Cary Goltermann Member

About Wood

In this month, October 2018, we consider **Soft Maple**. The **Soft Maple** group includes Bigleaf Maple, Box Elder, Red Maple, Silver Maple, and Striped Maple. If you buy soft maple in Oregon, you might get Bigleaf Maple, but on the east coast, you will most likely get Red Maple or Silver Maple. For this article, we consider **Red Maple (*Acer rubrum*)**, also known as **Swamp Maple, Scarlet Maple, Water Maple, and Soft Maple**. **Red Maple** is a tree native to eastern North America from Florida to Newfoundland and from eastern Texas to the Atlantic coast. All of these **Soft Maples** are from the Aceraceae or maple family.

Recall that in previous columns, we have defined the Modulus of Rupture (MOR), the Modulus of Elasticity (MOE), Crush Strength, and Janka Hardness. We will continue to use those terms. Most of the other terms are generally well understood and will not be defined further. If you have questions about other terms or questions about a specific wood, contact wood@coloradowoodworkersguild.org.

Soft Maple (in this case, Red Maple)

Here is a summary of the characteristics of Red Maple:

Distribution: eastern North America; thrives best in moist soils

Tree size: 65-100 ft (20-30 m) tall; 2-3 ft (0.6-1.0 m) trunk diameter

Average Dried Weight: 38 lbs/ft³ (610 kg/m³)

Specific Gravity: (Basic, 12% MC): .49, .61

Modulus of Rupture (MOR): 13,400 lb_f/in² (92.4 MPa)

Modulus of Elasticity (MOE): 1,640,000 lb_f/in² (11.31 GPa)

Crush Strength: 6,540 lb_f/in² (45.1 MPa)

Janka Hardness: 950 lb_f (4,230 N)

Shrinkage: Radial, 4.0%; Tangential, 8.2%; Volumetric, 12.6%; T/R Ratio, 2.1

Appearance: wide sapwood is almost white to light golden or reddish brown; heartwood generally not used

Grain/Texture: grain is generally straight; may be wavy; can be seen with curly or quilted grain; fine even texture

Stability: easier to dry and more stable than hard maple

Relative strength: moderately strong and stiff; bending strength is high

Decay Resistance: sapwood is susceptible to insect and fungi attack; not durable when exposed to elements

Workability: easy to work; turns, stains, glues and finishes well

Odor: no characteristic odor or taste

Toxicity: skin irritation, runny nose, and asthma-like respiratory problems; sensitizer

Potency: moderate

Toxicity Source: wood and wood dust

Reaction: skin irritation and respiratory

Sustainability: not threatened; readily available

Uses: turnings, furniture components, kitchen utensils, toys, crating, pallets, veneer, paper, musical instruments

Typical Cost: low to moderate prices for a domestic hardwood

Comments: **Red Maple** is the hardest of the soft maples, but not as hard as hard maple;

Sources: Woodworkers Source; The Wood Database; American Hardwoods Information Center; Flynn, James H. and Charles D. Holder, Editors. *A Guide to Useful Woods of the World, Second Edition*. Forest Products Society, Madison, Wisconsin, 2001.

If you have questions about a specific wood, don't hesitate to send a note to wood@coloradowoodworkersguild.org.

Lindy Baer



Sponsor's Corner

Profile: Signature Medallions

Signature Medallions from San Diego has been a Guild Sponsor for several years. The Company is owned and operated by Gary Anderson. Originally from the Duluth area, with a degree from the University of Minnesota and sometime in the Air Force, Gary joined the Southland Corporation and moved to San Diego. Now retired, along the way he joined the San Diego Fine Woodworkers Association (SDFWA) and started a company that provides pins, patches, and other “brand” items to organizations.

Gary explained that one day, a member of the SDFWA asked if he could make a pin with the member's name. Gary said yes, but the member had an additional request—could Gary leave off the pin on the back. Then the member explained that he intended to use this new item to “sign” one of his wood working pieces—thus Signature Medallions was born.

Signature Medallions are generally stamped from steel and then plated in a variety of finishes (silver, copper, gold—including variations of those). Though most are round for ease of installation (they drop into a shallow hole cut by a forstner bit). But they can be made in any shape (or color) for the more ambitious inlayer.

Besides his pins and patches and medallion businesses, Gary is a wood worker (golf putters, gifts, etc.) and a long-time Member of the San Diego Fine Woodworkers Association. Most recently, he led the effort by the SDFWA to open their own Member Shop. After three years of planning and fund raising, the Shop opened last June and has been successful beyond anyone's expectation. They have over 250 Members using the Shop which sports a wide variety of high-end power tools including a large Laser, CNC and 3D printer. Gary also teaches the Introduction to Woodworking Class offered at the Shop which is bringing in an impressive number of new, younger and many female woodworkers.

The Colorado Woodworkers Guild appreciates the continued sponsorship of Signature Medallions. Signature Medallions offers the custom designed medallions (100 medallion minimum order) to Guild members at a 10% discount. ***Jim Barry has displayed his medallion that he purchased from Signature Medallions at the April Show and Tell (see Below).***



See www.signaturemedallions.com for more information.

Website: www.signaturemedallions.com

Phone: (619) 303-2876

Address: 4218 Ponce De Leon Dr
La Mesa, CA 91941

Guild Liaison for Denver Woodworking Company Jack Brock

liaison-signaturemedallions@coloradowoodworkersguild.org

Frank Paxton Lumber Wood of the Month

The featured Wood of the Month for October from Frank Paxton Lumber is four-quarter (4Q), S3S White Oak in varying widths and 11 foot to 12 foot lengths.

Paxton is also running a Flash Special while supplies last on four-quarter S3S Red Heart Beech.

As always, call 303-399-6047 for pricing.

CWG Sponsors

The Colorado Woodworkers Guild is fortunate to have many companies as sponsors. Our sponsors help the Guild with programs, materials, supplies, facilities, display space, financial, and other means. In many cases, Guild members are able to obtain discounts from our Sponsors (except for power tools and sale items). Please note: The Guild discounts only apply to in-person purchases in the store (except where noted) and are not available at any sponsor's online store. You must show a current membership card to obtain the discount

A Cut Above 16512 Arminta Street, Van Nuys, CA 91406 Phone: 800-444-2999

Website: www.acutabove.com

Austin Hardwoods of Denver, Inc. 975 W. Mississippi, Denver, CO 80223 Phone: 303-733-1292

Website: www.austinhardwoods.com

Bear Woods Company 6099 228 Street, Langley, BC V2Y 2L3 Canada Phone: 800 565-5066 Fax: 888 599-1118 Website: www.bearwood.com

B & B Rare Woods 871 Brickyard Circle, Unit C4, Golden, CO 80403 Phone: 303-986-2585

Website: www.wood-veneers.com

Charlie's 2nd Hand Store, Inc. 2227 Larimer Street Denver, CO 80205 Phone: 303-295-1781

Website: www.usedtoolsplus.com

Collector's Specialty Woods 4355 Monaco Street, Unit A, Denver, CO 80216 (this is their Denver showroom and warehouse) and 8055 County Road 570 Gardner, CO 81040 (this is their southern Colorado wood yard, kiln drying facility, woodshop, and another showroom) Phone: 800-746-2413

Denver Woodworking Company 2062 S. Bannock Street, Denver, CO 80223 Phone: 303-733-3130 Website: www.denverwoodworking.com

Mile High Tree Care, Inc. 6010 W. 56th Avenue, Arvada, CO 80002 Phone: 303-292-9393

Website: www.milehightreecare.com

Frank Paxton Lumber Company 4837 Jackson Street, Denver, CO 80216 Phone: 303-399-6047

Website: www.paxtonwood.com/denver.aspx

Rockler Woodworking and Hardware 2553 S. Colorado Blvd, Denver, CO 80222 Phone: 303-782-0588

Website: www.rockler.com/retail/denver-colorado-hardware-store.cfm

Sears Trostel 1500 Riverside Ave, Ft Collins, CO 80527 Phone: 970-482-1928

Website: www.sears-trostel.com

Signature Medallions 4218 Ponce De Leon Drive, La Mesa, CA 91941 Phone: 619-303-2876

Website: www.signaturesmedallions.com

TC Woods 5406 County Road 23 Ft. Lupton, CO 80621 Phone: 3-666-8989

Website: www.tcwoods.com

Tool Zone, Inc. 8651 Grant Street, Unit 1A Thornton, CO 80229 Phone: 303-252-8500

Website: www.toolzone.com

Woodcraft of Denver 6770 S. Peoria Street Centennial, CO 80112 Phone: 303-290-0007

Website: <http://www.woodcraft.com/stores/store.aspx?id=305>

June 2018

2018 Board Members



Dale Bowlin - President
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Tom Mancuso - Vice President
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Donald Prorak - Secretary
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Chuck Hix - Treasurer
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Jim Barry - Librarian
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Cary Goltermann - Programs Chair
programs@coloradowoodworkersguild.org



Jack Brock - Publicity and PR Chair
publicity-pr@coloradowoodworkersguild.org



Kevin Loyd - Shows and Exhibits Chair
shows@coloradowoodworkersguild.org



Wilbur Goltermann - Webmaster
webmaster@coloradowoodworkersguild.org

Membership

Membership Problems? Send an email to programs@coloradowoodworkersguild.org

Many of you prefer to pay by check either at a meeting or through the mail.

To support this a new web page has been added. If you go to <http://ColoradoWoodworkersGuild.org> and look under **About** you will see **Pay for Membership by Check**. Click on this and you'll be taken to a page where you can fill in your info and print the page. If you log in first, most of the info will be filled in for you. When you click Print, the info will be stored online (so I don't have to enter it!). Mail the page to CWG with a check or take it to a meeting with a check.

Colorado Woodworkers Guild

P.O. Box 100996

Denver, CO 80250

along with a check for \$30

Here is the membership status as of this writing:

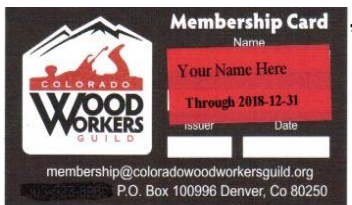
77 Members paid through the end of 2017 (inactive as of April 1st)

141 Members paid through the end of 2018

Total 141 **active** memberships. What is an active membership? A membership is valid through the end of the calendar year. If you have not renewed for 2018 your membership is still considered active until April 1st, 2018. I have begun to disable memberships who have not renewed for 2018. If your membership becomes disabled and you have renewed for 2018 please let me know.

Now is a great time to renew your membership!

The 2018 member cards look like this (member name/expiration in Black text on a Red background). If your member card does not look like this, it has expired.



If you believe that you have renewed for 2018 and do not have a current membership card, please let me know. Send an email to programs@coloradowoodworkersguild.org and I'll address the problem.

How can you renew? For me the best way you can renew is online. When you fill in one of our on-line forms

- I do not have to decipher your handwriting (no offense).
- The data is machine readable, meaning I do not have to enter it manually.

You can renew online, print out the form and mail it with a check or bring the form/check to a meeting.

To renew on-line and mail the form in with a check, go to

<http://coloradowoodworkersguild.org/index.php/pay-by-check-member-application>

If you log in first, your name, address, etc. will be automatically filled in. If you don't know how to log in OR are unable to log in, drop me an email at programs@coloradowoodworkersguild.org and I'll help you out!

Cary Goltermann - Assistant to the Membership Chair