

Volume 28,
Issue 2
Nov. 10, 2018



WOODWORKERS OF CENTRAL OHIO Plane News



President's Message

The last few weeks have been eventful:

My daughter bought her first house and my wife and I have spent many hours getting it ready for moving in. My brain tells me I can still do all of the repairs, etc. but my body reminds me that I am not as spry as I used to be! Seems to take a lot more recovery time.



I informed all of you about Al Knaup's resignation as VP due to expanded family responsibilities. Discussion is underway to name a replacement and nominees for the next club election of officers coming up this spring.

The 2019 Woodworking Show in Columbus has been scheduled for March 8-10, which conflicts with our March 9th WOCO meeting. We have moved the meeting forward one week to Saturday, March 16th, 2019. Please mark your calendars.

Our November presenter will be Tarik Yousef of TY Fine Furniture. This is the third time we have had him scheduled and certainly hope "the third time is the charm".

I look forward to seeing everyone at the Holiday Party on December 6th. Make sure you RSVP to the email we will be sending to avoid last minute scrambling to add tables and reconfigure the room when unexpected attendees show up.

Karl Hans

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WOCO

Woodworkers of Central Ohio

www.wocoweb.org

Be part of 174

Beginners, Enthusiastic Hobbyists, & Professionals

Interests range from hand tools to power tools, from learning techniques to building toys, furniture, cabinetmaking, woodturning, and/or carpentry.

Experience 1 or 2 meetings as a Visitor

Membership is only \$25/year

Typical Large Meeting Format

Doughnuts & Coffee, Fellowship, Browse the WOCO Library Resources

Sometimes there are free magazines and wood

100 members present in a large hall

Microphone, Camera, & Large Screen Presentations

Membership & Service Group Status Reports

Library Resources Report on New Videos, Books, Etc.

Presentation of Tool Tips

Some Members Share & Explain Their Wood Projects

1—2 hr. Special Educational Speaker & Audience Question/Answer Period

Small Group Meetings

[see Service Groups](#)

Large Group Meetings

2nd Saturday of Sept., Nov., Jan., (Mar. 16, 2019 exception), & May

8:30 a.m.-12 p.m.

Back Parking Lot Building Entrance

Spring Road Church of Christ

74 S. Spring Rd.

Westerville, OH

Other Member Benefits:

Access to Member Only website items: All Newsletters, Library Reserves, Membership List, Club Discounts, Apparel w/WOCO logo, Patterns & Plans, Resource Directory, Tech Tips & Jigs, Videos & Demos, and More. Member Email Communications regarding Classes, Free or Special Sale of Wood & Used Tools. Participating in Small Groups to share knowledge & practice use of tools, wood, and finishing.

Visiting & using member shops to develop your skills for yourself & to service the community.

Believe It Or Not!

We have room for you (men & women) at our November 10th meeting. There is space to set up more chairs. We use micro-phones, a camera that zooms in to where needed, and large TVs on each side of the room to make it easy for you to listen, see, and interact even if you don't have a front row seat. Come join us!



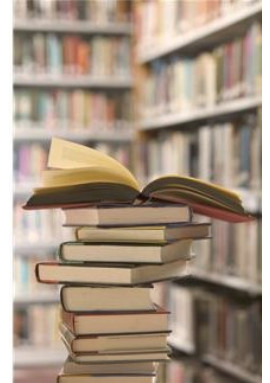
WOCO Library

The WOCO library list, with the newest updates, is now on our Website. The new list can be sorted by Media Name, Author Name or Media Type. The Club has over 122 DVDs, 205 books. There are about 50 items checked out at this time, many of which will be returned at the next meeting. So take a look at the Library on our website www.wocoweb.org. We have several new additions to the library, including “Google Sketch-Up Guide for Woodworkers.”

See you at the Next Meeting.

John Herrel

The Club Librarian



Some of the library topics:

Power Tools – routers, router table, bandsaws, table saw, back saw, sharpening, jointer, planer, drill press, scroll saw, radial saw

Wood Turning – bowl turning

Hand Tools – plane making, chuck hand tools, antique tools

Carving and whittling – techniques & projects

Jointery – dovetails, biscuit joiner, tenon & mortise

Shop design, aids, tips, jigs, shortcuts

Arts & Crafts - signs

Veneering & Inlay

Furniture – cabinets, chairs, period furniture, Shaker Furniture and chairs

Carpentry – techniques, houses, specific room plans, backyard structures, decks, porches, doors & entry ways, ceilings, ladders & fireplaces, remodeling

Sanding & Finishing techniques, tools, and materials

Wood identification

Raised panels

Build for children, toys

Projects for Beginners, project books galore!!!!

Woodcraft Magazines

And MORE!

WOCOweb.org - InDepth: Special For Visitors & Members

Our website, wocoweb.org, contains a wealth of information for both visitors and members.

Home - Next meeting date, Club Goals and Purpose in video and text.

About Us - Club Constitution and Bylaws, General Information with regular meeting schedule, Membership Application (printable), Officers and Groups with leader names and photos, Our History.

Picture Showcases - link to WOCO photos from meetings, dinners (featuring toys of the year), picnics, and other events.

Calendar & Events - Monthly Calendar, Events List.

Community Service - Children's Hospital, Furniture Bank, Holiday Toy Program.

Sample Newsletters (& News)

Members Only

(Membership Card - not name tag - with Password NEEDED)

All Newsletters, Club Discounts, Lands End Apparel, Library, Membership List, One on One Shop Tours, Patterns & Plans, Resource Directory, Special Events, Tech Tips & Jigs, Treasurer's Report, Videos & Demos, WOCO Use of Funds. **If you have paid your membership fee, but do not have your membership card with password**, either request it from the Treasurer, Mike Ware, at the next large group meeting or send a self addressed and stamped envelope with a brief message explaining you would like your membership card (different from your name tag). Don't miss out on these valuable, helpful benefits! **(P.S. Don't lose or misplace it—\$10 to get a replacement. Our volunteer treasurer doesn't want to constantly make replacements. He would rather make saw dust.)**

Contact Us - contains a text box for direct messaging to our webmaster who will forward or respond as appropriate to your message content.

For the Pure Fun Of It!

Next Annual Summer Picnic: Saturday, July 20, 2019



Bring your family or just be part of your WOCO family. Please bring a dish to pass and your own soft drinks. WOCO will furnish meats, as well as, paper plates, napkins, plastic utensils, condiments, etc. WOCO members are welcome to bring any project that they have been working on and display it/them. More details in a special email flyer near the time of this event.

WOCO Christmas Party, Dec. 6, 2018

Provided: food, friendships, music, and bringing together the toys we made during the year to be donated to 15 organizations for distribution to kids who might not get any toys otherwise. More details provided in a special email flyer near the time of this event.



Member Services

We have each benefited from our membership. It provides us with an opportunity to learn, to share our knowledge with others, to engage in charitable activities and to enjoy a shared fellowship. Please carry a few of our business cards that are available at the Treasurer's Table each month so that you can hand them out to perspective members, who could also benefit from being involved with the Club. You can also provide them with my contact information that is listed below. I would also welcome any suggestions you may have on how we can reach additional individuals or provide additional services to our existing membership.

We continue to have both business cards and brochures available at both WoodWerks and Woodcraft for distribution. If you are aware of other sources we may want to utilize, please advise.

Craig Blight

cbblight@gmail.com

740-879-3119

Other Central Ohio Wood Working Groups

Some WOCO members also belong to other woodworking groups, such as, the following:

Columbus Chippers Carving Club

Meets 1st and 3rd Tuesday of each month at 7:00pm at the Whetstone Rec Center
<https://www.facebook.com/Columbus-Chippers-Woodcarving-Club-280348445448360/>

Central Ohio Woodturners

<http://www.centralohiowoodturners.org/>
Dan West, Pres. (614) 906-0755
(text or leave voice message)
Max Kackstetter Secretary
clwilliams48@embarqmail.com
For location and times

Mini-Profiles of Many Members

Do any of these people described below seem similar to you?

Steve Bechtel- Joined in 2016 after retiring. Gained a love of woodworking from his father. Got hooked again on woodworking with his son while watching a scroll saw demo. He retired as an IT manager. Intrigued by computerized equipment, he added a CNC router and laser to his tools.

Bob Chapman- His love of sawdust started when watching his grandfather tinkering in his workshop. Much of the equipment was passed on to Bob. He spent years as a mechanic, firefighter/paramedic, and professional photographer.

Larry Crane- Started with only a drill press and radial arm saw. Moved to a house with 10 foot basement ceiling and gradually added tools to build furniture. His family moved again, but this time he added a workshop at ground level – no stairs. He met several people from WOCO at a woodworkers show and joined WOCO and the Termites shortly afterward.

Don Davis- Grew up poor on a ranch 20 miles from the nearest village. That isolation made it necessary for his father and him to become DIY guys, as well as, an inventor. After 40 years in the field of education, he moved to Ohio. A neighbor told him about WOCO. After attending his first WOCO meeting, he tried out Furniture Bank, then I-70 Toy Group, and then Craftsmen for Kids. He was hooked – big time!

Karl Hans- Got acquainted with tools in industrial arts classes at school. For a brief period he was a junior high and high school industrial arts teacher. Later in life, he took Windsor chair courses and continued to create other types of furniture, too. He joined WOCO at the Wood Show.

These brief descriptions given are just part of some of the personal histories I have received from WOCO past and present WOCO members. There is much more to read about each one of them in the upcoming, developing history document. Yes, the whole name of each contributing member will appear in the finished history document. Some stories are short, others medium, and still others are lengthier.

Please take some time to tell how you first became interested in wood working, how that interest progressed, and perhaps what you would like to do in the future in wood working. Send your short, medium, or long story – if possible, photos are interesting, too, to Jack Strawn, WOCO Communications via email at JackLStrawn@yahoo.com

Large Group Meetings are held on the second Saturday of September, November, January, March and May
8:30 a.m.-12:00 p.m. at Spring Road Church of Christ,
74 S. Spring Road, Westerville

Large Group Meeting Educational Program

November 10, 2018

Fine Furniture

TY Fine Furniture owner Tarik Yousef, an Upper Arlington native and OSU graduate, will be our guest speaker on November 10, 2018.

A mechanical engineer and master artisan, Tarik Yousef brings technical precision with creative artistry to every piece of furniture he handcrafts. Every signature piece shines with a unique beauty custom-built from wood that's specially selected to complement the design. Coupled with a graceful style, Tarik's handmade heirloom pieces are a



Built in Entertainment Center and



Butcher Block Cutting Boards

joy to behold and to enjoy throughout the years. Tarik sources all his material from local Ohio forests, often from naturally fallen trees. (Continued on next page.)

Continued . . . **Fine Furniture**

Information about TY Fine Furniture is at www.tyfinefurniture.com

More examples of TY Fine Furniture .



Custom Knitting Rocking



Custom Cantilever Console Table Solid Wood



Custom Walnut Burl Bookcase



Custom Walnut Inlaid Pedestal
Table

WOCO Activities - November 2018

Holiday Party – The 2018 Holiday Party will be held on Thursday, December 6th at the Berwick. More details and RSVP request will be sent out via email.

Woodworking Show – The 2019 Columbus Woodworking Show is scheduled for **March 8-10**. That is much later than in previous years and conflicts with the WOCO meeting scheduled for Saturday, March 9th. Due to the scheduling conflict:

The March WOCO meeting has been moved to Saturday, March 16th, 2019

Sign up lists for booth workers and demonstrations at the Wood Show will be distributed at the January meeting.

Shop Tours – *Note: Still asking for more one-on-one volunteers.* Are you willing to have one-on-one visits to your shop? We have posted a list of members who are available for personal visits from other WOCO members. That makes more shops available but keeps it less stressful for the shop owner. Some members are willing to have visitors but don't have enough space in their shop or parking to allow a big shop tour. It also gives members an opportunity to share more information about techniques, equipment, and materials, as well as furthering our club's educational goals.

Please consider adding your name to a list of participants. So far the list includes: Karl Hans, Dan Martin, John Herrel, Marion Ackerman, Bob Cole, Jim Walters, Don Wood, Paul Pennock, Al Knaup, Larry Crane, and David Caron.

Field Trips – We are always looking for field trip ideas the entire club can experience. Yoder Lumber in Millersburg would like to have another tour for WOCO members. Doll Lumber Company (in Southington, OH between Akron and Youngstown) contacted us recently about their business.

Meetings and Programs – We are asking for suggestions from you the members about presenters and program ideas. **We welcome members offering to present** demonstration of and/or pictures of a repair or project they **performed to help another person** in response to an email sent to the membership, **such as, the following article** describing John Herrel helping Ted Schaefer. We need ideas and suggestions with broader member participation in the planning and selection process. Are you willing to help?

With Help From Another WOCO Member - ShopBot Easy

I'm Ted Schaefer. I have been a member of the [Columbus Idea Foundry \(CIF\)](#) for about a year and a half. CIF has all the high equipment such as 3D printers, laser engravers, welding, woodworking, etc, including a giant CNC ShopBot with a 4-foot by 8-foot bed. That means you can put up to 4'x8' piece of material on the bed, then cut, shape and engrave it with CNC precision. It's great for signs as you will see below. All of this wonderful equipment is shared by the members who help each other become the ultimate "makers". It's fun. I hope you have a facility like this near you and this article provides you the impetus to try something intimidatingly new. You will also learn about an exciting new LED neon material which I discovered at Lightfair International in May.

I am good with the 29x32 120W laser engraver/cutter however I was intimidated by the Shopbot and hadn't touched it in the year since I took my training. Even though I am an aging techie, a long time AutoCAD user and have even sold CNC software, I worried about:

- speeds (rpm)
- feeds (cutting speed)
- the progression from V-Carve or other CAD software into the ShopBot software
- the type of endmill

I am sure my CIF ShopBot class included this information, but I forgot much of it and lost my notes. I had worries about crashing the cutter and ruining large pieces of expensive material.

This summer I was challenged to make a large LED-Neon sign for Alfred's Barber Shop in Upper Arlington. The sign would be based on an existing neon sign with script lettering that had died. The LED-Neon is ¼ wide and flexible, but it needs a groove to hold it in place. An ideal job for the ShopBot.

I downloaded the latest of V-Carve Trial CNC software. I had a "maker's" serial number given to me in the CIF class. It worked.

Using AutoCAD, I traced a photograph of the old "Alfred's" neon script. I imported it into V-Carve. I made some tool paths. Then hit the wall – what to do next, what end mill to purchase? Then I remembered **John Herrel**, Mr. CNC, who is a member of [Woodworkers Of Central Ohio \(WOCO\)](#), and he also works at the Idea Foundry. Prior to CIF, I had joined WOCO, where I met John. He introduced me to CIF and was happy to help.

John first reviewed my V-Carve file and help me make the file usable with the correct speeds, feeds, end mill diameter and type, and tool paths. I learned a dozen features about the V-Carve software that will make my next job much faster.

Continued . . .

ShopBot Easy With Help From Another WOCO Member

We then created a test block from scrap to make 4 test grooves to get the perfect width for the LED-Neon, a little smaller than the nominal 1/4 inch.

John showed me how to export the ShopBot code file and load it into the computer by the ShopBot. We then zero'd both the x-y axes and the z-axis. He showed me how to raise the Z and air cut this test block. It looked ok. So we lowered the Z and cut the grooves. I sighed with relief. It worked – easy.

Next we went back to the computer in the main area and modified the groove width on the Alfred's sign drawing.

We attached the 30x34 piece of 3/4 Baltic birch to the ShopBot bed. Zero'd the axes and let it cut. Here is a picture of John holding the completed sign.



While we were waiting 40 minutes for the machine to finish, John told me about many of the things he learned about CNC over the years – a lot.

I paid John to be my mentor. Well worth it, since the first try at cutting Alfred's sign was perfect! Our collaboration was not only fun, but it provided me the confidence to push the cut "button". CIF can provide mentors for any machine or process that has you intimidated. Of course, there's a lot of free help too. Don't hesitate to ask any one. But when you have a project that must be done perfectly, and you want to learn fast, get a mentor.

Naturally Shoplight Solutions supplies this LED neon in 16' rolls or we can make a sign to your specifications. It is available in a wide variety of colors. Contact us for more information.

For a great hair cut visit Alfred's in Upper Arlington, 3237 Tremont Rd. Here is the completed sign:



COMMUNITY SERVICE:

Nationwide Hospital Cutouts Program

This month marks the end of the sixth year of our cutouts program for Children's Hospital. Each month we deliver more than 200 cutouts for the children patients to decorate. By the end of this year WOCO will have provided more than 16,000 of these items. We have ten members who provide cutouts each month without fail and a number of others who make them as they are able. Thanks to all who participate to make this a very successful community service program for our Club.

For more information or to learn how you can participate, contact Mike Quinn (mikequinn@columbus.rr.com)

Mike Quinn

Furniture Bank of Central Ohio

WOCO members continue building dressers on Tuesday and Wednesday each week at the Furniture Bank. Since the inception of this program in early 2011 we've made more than 11,400 dressers for distribution to families in need throughout Central Ohio. The members who volunteer their time and talents at the Furniture Bank will attest to the great enjoyment and sense of satisfaction they get from doing this essential work. And the reputation of WOCO and the awareness of our Club by the community has clearly been enhanced through this association with the Furniture Bank.

In a new initiative the Furniture Bank has partnered with Columbus College of Art and Design (CCAD) to challenge the students to come up with innovative designs for furniture which we might manufacture at the FB woodshop. The first go around resulted in some interesting ideas which we are pursuing. You may have seen an article in the Dispatch about this effort.

We always need and welcome new volunteers. If you'd like to get involved contact Lou Gatch (luegnoway@aol.com) or Mike Quinn (mikequinn@columbus.rr.com) for more information.

Mike Quinn

Holiday Toy Program

At this time we should all be putting the finishing touches on our toys for the Holiday Toy Program. I've already contacted representatives of the agencies to whom we donate toys and they all responded enthusiastically to the prospect of once again receiving wooden toys from WOCO. This year we will again donate to agencies in Franklin, Delaware, Fairfield and Licking Counties. If you haven't gotten started yet there is still time to make a few toys. Get involved, especially if you are a new member, and help increase our participation rate to more than the historical 40%. Dan Strohecker still has wheels available so if you need some to complete your toys contact Dan before the November meeting and he'll take care of you.

TOY DELIVERY

As always, the best way to **deliver your toys** is to bring them to the Holiday Party, which will again be held at the Berwick Manor Party House. The date of this year's party is Thursday, December 6. If you are unable to attend the party, once again this year you may deliver them to Wood Werks or Woodcraft. Woodcraft is located at 1077 Bethel Road, Columbus 43220. Wood Werks is located at 1181 Claycraft Road, Columbus 43230. **Please note that the LAST DAY to deliver toys to these locations will be MONDAY, DECEMBER 3. If you bring toys to Woodcraft or Wood Werks please be sure to PUT YOUR NAME ON THE BOXES** so we can properly acknowledge your contribution.

Please note that the toy drop off at the woodworking stores is meant for individuals – not groups - with a “normal” amount of toys. Large quantities of toys should be brought to the party or delivered to the Furniture Bank warehouse about a week before the party. If you wish to deliver to the FB warehouse, please contact Mike Quinn to make arrangements no later than Friday, November 30.

Again this year our friends at the Furniture Bank have offered a section of their auxiliary warehouse to store and sort the toys. They'll also provide a truck to collect the toys after the Christmas Party and to help deliver them the next day. It is nice to be able to sort the toys under roof and to not have to worry about weather.

We'll need about 8 - 10 people to help sort and deliver toys on Friday, December 7 from 10 AM until about noon. We also need a few people with pickup trucks or SUV's to deliver toys to Lancaster, Delaware, Westerville and Columbus northside. I'll circulate a signup sheet at the November meeting to solicit your help. If you can't make the meeting and would like to help, please contact Mike Quinn (mikequinn@columbus.rr.com).

Continued . . . **Holiday Toy Delivery**

Also, in the past our departed friend, Chuck Murray, has obtained about 24 open top “banana boxes” from Sam’s Club, his former employer, to help with the sorting. With Chuck’s passing earlier this year we need to locate another source for these boxes. If you can help, please contact Mike Quinn as soon as possible.

Finally, I haven’t been able to get a response from our friends at the Western Ohio Wood-working Club recently. I assume our toy making competition with their Club is still on and we want to continue our winning streak. Make some toys!

Termites

“One picture is worth ten thousand words”

Did you ever wonder what ten thousand words look like? Or maybe wonder what four hundred dice, or even one hundred toy cars look like? Well of course not. You have better things to do. So I thought I would show you just what some of those things DO look like.



Continued next page.

Continued . . . Termites



Continued . . . Termites



Continued . . . **Termites**



In the frozen North country of Southern Delaware County, Santa's elves have been HARD at work, and we are just about ready to pack up the sleigh. All that is left is to sweep out the shop and clean out the paint brushes. (*Someone ate all the cookies*). And this Elf is ready for a long winter NAP. Well maybe not all winter. There will be a 2019 planning kick off meeting in January.

So I invite all of WOCO to join in the merry making. **Build just one toy.** That will bring JOY to a little one's heart.

It is never too early to wish everyone a *Very Merry Christmas*

Paul Pennock ppennock70@gmail.com

Craftsmen for Kids, Inc.

We've temporarily slowed our breakneck pace of making educational toys for disadvantaged children, but only so we can upgrade the shop to become more productive. Indeed, by the time our next article appears in the WOCO newsletter, we will be working in a whole new shop—expanded and significantly upgraded.

Even during this break, we continue to grow. We've designed several new items and have started work on some of them in our home shops. On November 7, we'll officially add a facility in our 16th county when we haul a truck load of learning tools to the Ross County Head Start headquarters in Chillicothe. Those will go to 11 different classrooms for Appalachian children ages 3 to 5.

Another exciting bit of news for CFK involves our collaboration with Columbus College of Art and Design. You may have read about CCAD's project with the Furniture Bank of Central Ohio. There, teams of students designed and built prototypes of chairs and tables the Furniture Bank might wish to add to their lineup. Now CFK and CCAD will team up on a similar project.

In January we will spend some time at the college, giving students information about the developmental skills our toys need to address, as well as guidelines about suitable materials and production options. Over the following three months, students will design and build prototype toys. Next spring CFK members will judge the results and take the student-developed plans and jigs back to our own shop for possible inclusion in our lineup. We are looking forward to the adventure.



Don Davis



This CFK worker shall remain unidentified as he breaks every OSHA rule during construction of a dedicated dust collection shed just outside his new shop.

I-70 Toy Group

Sure, we're feeling a little pressure because we have a lot of toys to complete before December, but if you think that takes the fun out of our Saturday morning work sessions, guess again. We call them "work sessions," but is it really work when it's that enjoyable? What better way to enjoy woodworking than to use our talents to make others happy—this includes the kids who get the toys at Christmas, ourselves as we work/play together, and Mike Quinn when we turn in our final count.

Thanks to the creative minds of our gang, this year we've added several new toys to our line-up and we've made some design improvements to some of our most popular toys. One of those is the John Deere tractor and the trailer full of blocks it pulls. There's a lot of detail in that project, but Leo's CNC sure makes some of the steps simpler and produces high quality parts.

We are lucky to have more women than ever, helping us this year. The photo accompanying this article shows some of them painting our dolphin ring-catch toy, but you are also apt to see them out in the tool side of the shop shaping toys on the router, table saw, or drill press.



Because we have still-working as well as retired helpers, we find it works best to meet on Saturday mornings. Our gang meeting in Reynoldsburg includes men and women, relatively young folk and a batch of old geezers. If you or anyone you know is interested in working in a well-equipped shop with a fun bunch on a gratifying project, you would be warmly welcomed to the I-70 Toy Group.

Contact Don Davis or Mary Kay Marsh for more information.

bowdavis@msn.com or merigoround@yahoo.com

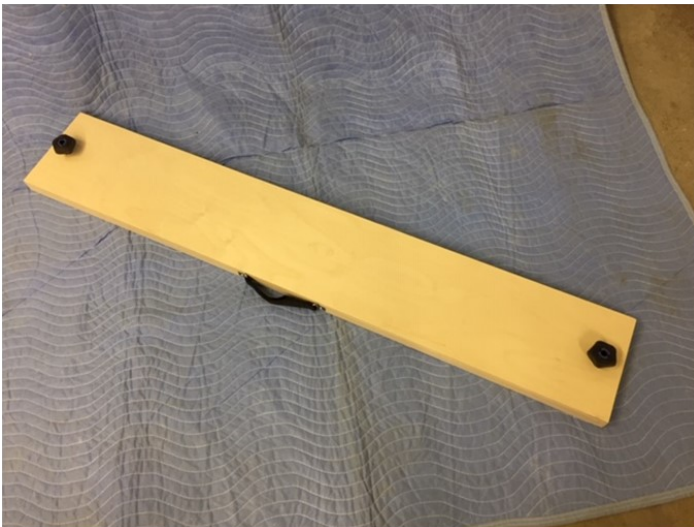


Tool Tips

Rail Guide Carrying Case

Do you have a Festool saw? Have you wanted a good way to store and transport two 1400/2 guide rails so they don't get damaged on the way to the jobsite or just stored in your shop? Well, here is a simple, cheap and easy way to build a carrying case for those rails.

I used the YouTube video (<https://youtu.be/nEBdjtBsxs4>) by Dan Pattison as the inspiration for this project. Dan made a great point about his case, it must protect the rails and not let them bang up against the sides of the case. That is why the case has two 5/16" bolts for holding the lid on as well as keeping the rails in the middle of the case preventing damage to the edges of the rails.



A piece of 6mm plywood 8" wide and 56" long was used as the base. To make the case lighter, I modified Dan's design using a piece of 1/4" plywood for the lid instead of the 1/2" piece he used. It still protects the rails sufficiently and reduces the weight. Then, pieces of 3/4" x 1-1/2" poplar were glued and nailed to the edges of the plywood. A piece of 1/4" plywood (57-1/2" x 9-1/2") was sawn for the top of the case.



Continued on next page.

Tool Tips

Continued . . . Rail Guide Carrying Case

A guide rail was placed inside the case, centered, and the hole locations marked on the plywood inside the case to match the holes for each end of the guide rails. I drilled 5/16" holes in the plywood base and counter bored a 3/4" diameter hole about 3/16" deep to allow the Carriage head bolts to be recessed. This lets the case set flat. Next the lid was drilled to match the holes in the bottom of the case.

Carriage bolts (5/16" x 2") were inserted and firmly pressed into the bottom of the case. The two guide rails then could be nested in the case, face to face with the bottoms of the rails facing up and down. Then the top was put on. A couple of Rockler 5/16" knobs and washers secured the top.

Next, I devised a carrying handle from a 30" piece of 1" wide nylon webbing. To make the handle attachments, I used two short pieces of galvanized plumbers tape bent around a single link of chain. (Yes, I was just trying to use what I had lying around so I didn't have to purchase a handle.) I centered the location where the 1/4" threaded fasteners would go through the case and drilled a 5/16" hole. On the inside of the case, I inserted a 1/4" T-nut in each hole and set each firmly with a C-clamp. Next, the handle was screwed on to the case using 1/4 x 1" machine screws. I have not finished the case, but this is a good way to protect it from getting wet and dirty.



Enjoy your tools by keeping them working properly and protecting them from damage.

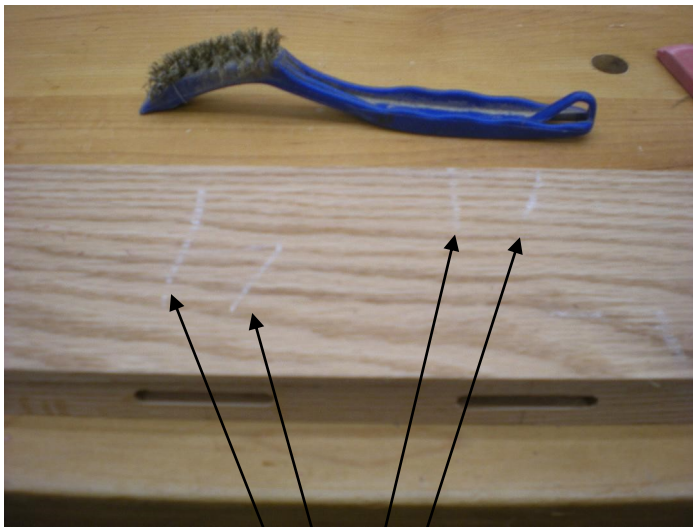
Ed Robold

Tool Tips

How To Remove Chalk Cut Marks

I often use chalk to mark out the cuts on my lumber to show what cuts I need from the boards. When chalk is used on open grain wood like oak, the chalk takes too much sanding to remove it. I have found that I can use a brass brush to easily remove the chalk from the open grain.

Dan Martin



Chalk Cut Marks



Marks Removed

Spring Clamp Fix

A lot of us have the older spring clamps that dent our soft wood projects. I have found that the Gorilla duct tape is an easy fix for dent prevention. I purchased the 1" wide tape for this fix.

Dan Martin

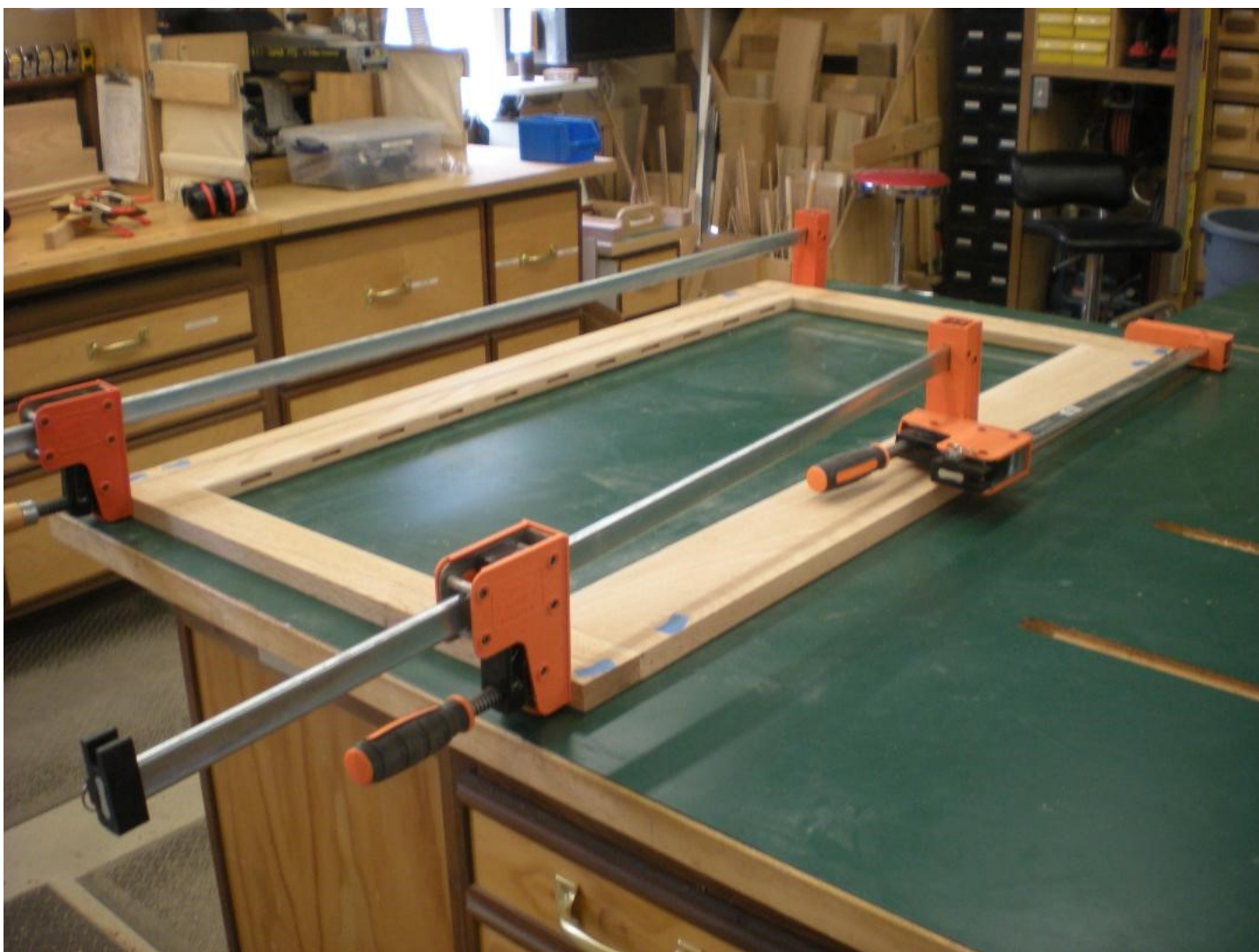


Tool Tips

What You Might Do If You Lacked One More Clamp of the Same Type

Sometimes you don't have enough clamps. I needed another 5' clamp but I only had one. This problem was fixed by using two other clamps to get me the length to glue up this frame.

Dan Martin



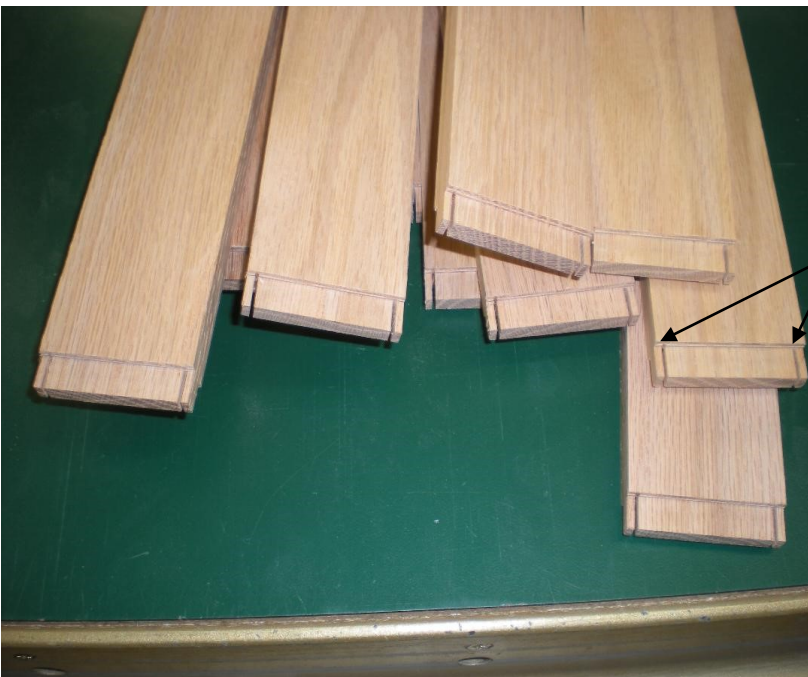
Tool Tips

Another Use For A Featherboard

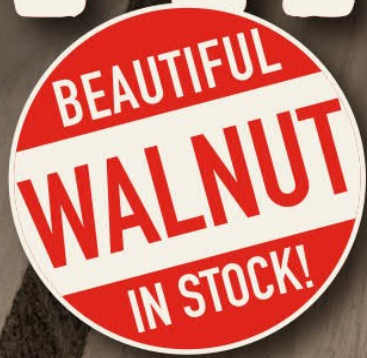
I have found a second use for an often used shop tool. I needed an easy to use, accurate and repeatable stop to cut my tenons to width and other stop needs. The feather board is my go to stop (using a bandsaw). **Dan Martin**



The photo below shows boards with the two side/width tenon cuts using the feather board technique described above AND thickness cuts for the tenons which was done using an additional technique not described here.



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Uploading Pictures to the Web Site

If members want to upload pictures to the website, send them to John Herrel at jherrel@insight.rr.com

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Send newsletter articles and your feedback and ideas about what you would like to see in the WOCO newsletter to:

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