

Meeting Notice:

July meeting: Tuesday the 18th at 5:00

Location: Main Plant Cafeteria

Subject: Knock Down Furniture

Project: Something that you look at.

Door Prizes!!



Knot News

COLLINS WOODWORKERS GUILD NEWSLETTER

Knock Down Furniture

Every parent that has kids in college knows the drill: Kid calls and needs to be out of (or into) the dorm, fraternity, apartment in two weeks. No, Don't really have time to set it up, finals, paper due, working right up to the last minute — Can you call U-haul? And maybe run down a bunch of boxes.

You expect these calls; it's part of being a parent. The other thing you have to expect is that there will be more stuff than last time. Junk is a gas: it expands to fill the available space. And it doesn't get lighter or smaller.

That's why we make furniture that comes apart: sometimes you have to move it. Ikea has made a large fortune exploiting that concept.

This month we are going to be talking about knock down furniture. If you have made anything that comes apart (by design) please bring

it, or maybe a picture of it.

This is nothing new. People have always moved around and some their stuff generally comes with them.

Beds need to come apart just to get through a door. There are only a couple of ways that work very well, traditionally a "bed bolt". Connection is supported by dowels or tenons. The bolt just holds the joint tight.

Tables and benches frequently come apart. That's one of the important features of trestle designs.

Ray is bringing a selection of hardware designed for knock down projects. Again, If you have use something that makes knock down projects work please bring it.

August Project

Sometimes we get focused on the practical aspect of a project. What does it need to hold? How long can it be and fit in the space? How should the support work? But have you ever made something that is mostly just to look at?

Carvers and turners do that all the time. Sure you can turn a bowl to hold apples but mainly the bowl is for decoration. The apples will be fine setting on the table without the bowl.



Something you look at

But...

Ever make a clock? That counts. How about a picture frame? A mirror? How about a display case? A trophy? All of these thing are



designed to be looked at, or at least hold something you are looking at. Bring it in or take a picture of it.

Knock Down furniture without hardware

Woodworking and quilting tend to run in families. In mine both run at least five generations that I know of and probably more than that. My grandmother would have a quilt frame set up in the end of her dining room for months at a time while she worked on a project. The women in the family would surround it while the men were essentially banished. Kids could stay if we behaved.

Coffee was required. Grandma made cake or something else good. Conversation was about the banished adult males. Some-

times you could just about smell the vitriol over the coffee and cake.

The problem with quilt frames is that they are big and stay in place for weeks. Grandma's was essentially a pair of tall skinny sawhorses with rails to stretch the quilt. When my mother wanted one I made it with trestle ends and a solid spreader in the center held in place by a mortice and tenon. By knocking out two wedges the whole thing comes apart.

People have been using wedged tenons for centuries. Trestle tables and benches are generally made that way.

Construction is simple: Start by cutting a through mortice and tenon joint. Make the tenon long enough to hold the wedge.



Mark the point where the tenon comes through and cut a second mortice. This one needs to be slightly wider at the top than the bottom.

The exact taper isn't all that critical. If it's too steep the wedge will work loose. If it's too flat you need to beat on the wedge to get it loose. A lot of advice out there says ten degrees but that sounds like too much. These are more like half that and it works fine.

The internet has several article that tell how to do this. Take that advice with as many grains of salt sound right. Like anything else; much of the "advice" on the internet isn't all that useful.

This one is better than most: <http://www.woodworkersjournal.com/hand-tool-techniques-tusk-tenons/>



July Meeting:

The meeting in July was our annual picnic. The venue had to move to Robbins because RAGBRI was coming through Hiawatha the next night.

Everybody managed to find the park in Robbins.

It was as nice a day as we have

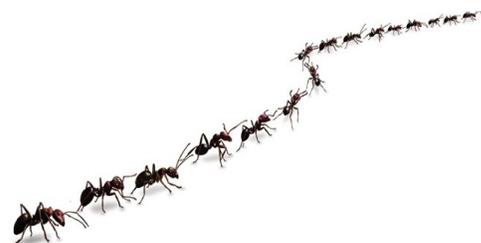


had all summer. The food from BBQ This was good and plentiful along with a lot of good deserts etc. provided by members.

The Robbins Troy park pavilion was clean and quiet. The only problem that occurred was with some electronic navigation systems that were way off on their directions to the park. Some

Annual Picnic!

GPS systems have problems in very rural areas. Is the south side of Robins all that rural?



We need ideas for new projects. Here is an opportunity to show off something that you have made. Suggest it as a project of the month.

Upcoming projects:

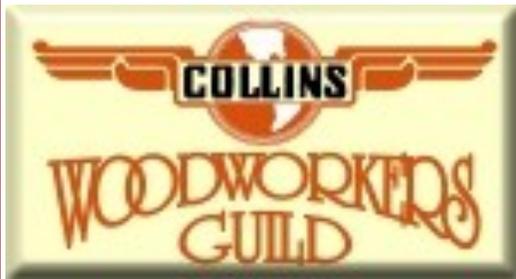
September: A project form a picture.

October: A copy of something you have.

November: A repair.

January: End Grain.

February: A frame.



KNOT KNEWS
Is published monthly by the Collins
Woodworkers Guild

The Collins Woodworkers Guild is a club dedicated to preserving the age old practice of creation using the medium of wood. CWG members gather monthly to share tips, ideas and experience to further the knowledge of all members. From creating heirlooms for their families to Toys-For-Tots, members help each other get the most out of their woodworking experience.

Membership in the Collins Woodworkers Guild is open to ALL Rockwell Collins, Inc. Employees, Spouses, Retirees, and Contract Employees, AT ALL ROCKWELL COLLINS LOCATIONS!! Everyone is welcome at our meetings and yearly dues, renewed each September, are \$15.00

GUILD BENEFITS

- Access to our EXTENSIVE library of books, magazines and Tool Collection
- Open exchange of ideas, from project help to house building; and a hand when needed
- Social Activities
- Workshops
- Toys-For-Tots and other Programs to help our Community
- Educational and Informative Presentations
- Open Houses
- Tours

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