

**Meeting Notice:**

**June: Tuesday the 13th at 5:00 PM**

**Location: Langhoff's Lumber, 3541 Scott Rd, Marion,**

**Subject: Lumber Mills**

**Project: A tool you've modified**

# Knot News

COLLINS WOODWORKERS GUILD NEWSLETTER

**This month:**

**Sawmills**

A sawmill's basic operation is much like those of hundreds of years ago; a log enters on one end and dimensional lumber exits on the other end.

After trees are selected for harvest, the next step in logging is felling the trees, and bucking them to length.

Branches are cut off the trunk. This is known as limbing.

Logs are taken by logging truck, rail or a log drive to the sawmill.



Woodcut showing work above a saw pit

Logs are scaled either on the way to the mill or upon arrival at the mill.

Debarking removes bark from the logs.

Decking is the process for sorting the logs by species, size and end use (lumber, plywood, chips).

A sawyer uses a head saw (also called head rig or primary saw) to break the log into cants (unfinished logs to be further processed) and flitches (unfinished planks).

Depending upon the species and quality of the log, the cants will either be further broken down by a resaw or a gang edger into multiple flitches and/or boards

Edging will take the flitch and trim off all irregular edges leaving four-sided lumber.

Trimming squares the ends at typical lumber lengths.



An American sawmill, circa 1920

Drying removes naturally occurring moisture from the lumber. This can be done with kilns or air-dried.

Planing smooths the surface of the lumber leaving a uniform width and thickness.

Shipping transports the finished lumber to market.[1]



Several sawmills reside near us here in East Central Iowa. Langhoff's, By the Foot, Woodchuck, Wieland & Sons just to name a few.

We have the honor of visiting Langhoff's Log and Lumber Farm at 3541 Scott Rd, Marian. They will provide burgers and hot dogs and a tour of their facility.



## May Meeting:

Perry Coffman presented his method of building face framed cabinets. His process begins with the face frame first and builds the case to fit the frame, known as Frame-First cabinet building. There are two distinct cabinet categories: Utility—commonly used in kitchens, and Furniture. The primary difference is the thickness of the wood in the case, e.g. 1/2 or 5/8 for the utility cabinets and 3/4” for the furniture cabinets. The expected life of utility cabinets is about 15 years, or less, and the furniture cabinets are for a lifetime, as heirlooms.

Using a shoulder plane is a clean and effective way to adjust the depth of the dados.



Perry explained several methods to cut the dados and rabbets for fitting the sides and shelves, and demonstrated his technique of “convincing” the wood to align properly.

Clamping Cauls

There’s a good article on how to build a good set of these on the HighlandWoodWorking.com web site.

Joel then added to Perry’s presentation with some methods to his cabinet building. A very reliable method to make cabinets secure to the floor would be to set a 2x4 under the cabinet, with the cabi-

This month’s project is *A tool you’ve modified*.

I have modified tools all throughout my life, grinding down spade bits, ? bending screwdrivers, re-purposing files for lathe tools.

What’s in your shop??

If one of you would like to share your shop in a newsletter, please contact the [cwg-newsletter@rockwellcollinsclubs.com](mailto:cwg-newsletter@rockwellcollinsclubs.com).

## Face framed cabinets

net out several inches from the wall, slide the cabinet in place, then carefully slide the cabinet straight out and lift off of the 2x4, secure the 2x4 in place, and then you will be able to secure the cabinet base to the 2x4.

Most important to Joel was the use of his table saw sled with a dado blade guide as well as the standard blade by reversing the sled.



Last Month’s project: Most unusual tool in your shop.

Joel brought a carpenter stair saw, other members brought unusual tools from a tool used to handle the split rings on gears/shafts, to a razor-blade planer. There was an earth magnet feather-board guides, and a pen, and several other tools I was unable to scribe down for documenting here, sorry!



## Upcoming projects:

June: A tool you’ve modified

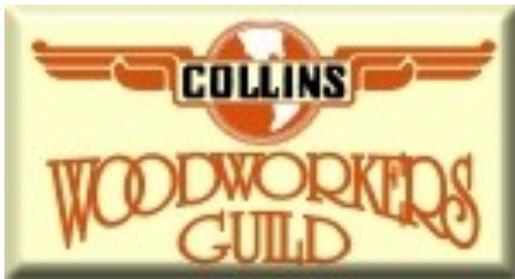
July: Whatizit? – A tool others are unlikely to guess what it is

August: A favorite woodworking jig

**What would you think about a swap meet?**

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.

We would really LOVE to come see your shop. Would you be willing to open your [garage] door some time?



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 \$17.00

### 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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## Officers and Executive Committee

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