



SUNFLOWER WOODWORKERS' GUILD
Established 1991
THE KNOTHOLE
 "building of woodworking skills thru the sharing of knowledge"

SUNFLOWER
WOODWORKERS GUILD

THIS MONTH'S MEETING **MAR 27 AT D.L ARMSTRONG
 1835 NORTH OHIO**

VOLUME 15

ISSUE 3

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**PLEASE NOTE: This month's meeting is at
 D. L. Armstrong
 1835 N. Ohio**



**This Month's Program
 Oil and lacquer finish**

This program is when the sideboard will come alive with the application of oil and lacquer finish. The oil will give the walnut its exquisite color and the lacquer will give the piece protection against the elements.

President's Corner – Galen Cassidy

Thanks to Dan for his program on making raised panels. He made everything look so easy. What generally is not said in the programs is how long it takes to set up everything so it "looks easy". That is where the time and patience is added to the operation.

Our sideboard project is almost complete now. The only thing left is putting the finish on it. I am anxious to see the completed efforts of the members of the Guild.

Galen Cassidy

Last Month's Meeting – Mike Hutton
Guests-
 Nathan and Johnathan Young
 Jack Jonas
 Jan Dreiling (Society of Decorative Painters)
 Wesley ?
 Joe Sabena
 John ?

Business – The meeting was hosted by Dan Carlyle at the Utility Contractors wood shop.

Jan Dreiling, from the Society of Decorative Painters, gave us some insight as to how and why the painters would ideally like to see the toys we make come to them for painting. She said that slick surfaces such as lacquer don't provide a base coat for their acrylic paints.



The painters have a much easier time painting on flat surfaces lying on an easel, i.e. not put together. Water-based primers do allow acrylic paints to stick, one product that they do like to topcoat with is a water-base product called FinalCoat from Canada. The River City chapter of SDP has approximately 70 members. This discussion was very eye opening to the guild members.

The Lion's club donated \$500 to the 2006 Toy Program. Les Hastings is heading up the teaming and materials ordering this year for the toy program. Get with Les if you want to get on a team or are willing to support in any way.

Mike Hutton and Phil Bump reported on the 2005 Salvation Army Holiday Outreach distribution where our toys were given out to the families of underprivileged kids. The wooden toys were given out one per family to make them go further during the day. The Army does a good job of qualifying the applicants and the toys were much appreciated.

Nathan Young, 15, asked if anyone would like to mentor him in woodworking as he has an interest. If you are interested, get with Randy Croley, mentoring committee.

Orville Stucker's woodworking bench that was shown in last month's newsletter was auctioned off for \$1000 to Neil Bustraan. (He stole it)

As always, Phil Bump did an outstanding job of providing refreshments.

Remember that membership dues are due to the treasurer, Wendell Parks, by March 31st or you will be removed from the membership list. The dues are only \$20 per year, what a deal for the information and networking opportunities, don't miss out.

Randy Croley sold Bessey clamps of all sizes and shapes to the members for outstanding savings. Remember to pay him if you haven't.

Show and Tell-

Lou Ortega showed an upholstered stool that his toy team will be building with turned legs.

Galen Cassidy brought in a push toy flapper duck that his father made for his kids long ago.



They ran it around the house for he thinks over 50 miles.

Sandra Longnecker showed some geo blocks that she uses for teaching math to kids, to buy them is quite expensive, but to most of us, they are probably showing up in our scrap bins.

Royce Wallace turned a fun little project that has been around for lots of years, the old cup and ball toss game where you try to catch the ball in the cup. Les Hastings caught it in one try!

Kyle Henderson showed some banks that he built and finished with a nice spray paint to make savings fun.

Randy Croley shared a curved top rail raised panel door with jack mitered corners. He uses a router jig that Les Hastings came up with for free hand edge routing in an unconventional way.

Program-

As a continuation of the back to basics series, Dan Carlyle presented raised panel door construction methods.

He noted that raised panel door construction has been used for thousands of years because it respects the seasonal movement of wood. Wood moves much more across the grain than along the grain. This is due to the fact that wood is very like a bundle of straws, they can get fatter, but it is hard to stretch them. A raised panel lets the panel, which is typically the largest area for seasonal movement, “float” inside of the frame.

Definitions: Stiles are the vertical members of the frame
Rails are the horizontal members of the frame.
Raised panel is the center part of the panel field

One of the most critical features of raised panel construction is that your stock must be all the same size because of the cutter setups are so sensitive for thickness variation. Have more stock prepared than you will use because you will need the off-fall for cutter setups. Dan likes to use shapers for making raised panel doors over router tables because they are quieter and have more ability to hog off lots of material in a single pass.

Run all of your inside panel grooves as the first pass, i.e. all of the sides that touch the panel. Then using a coping sled, a 90-miter jig with tearout backup stock, cut the ends of the rails.

For the panel, you can use ¼ flat stock, ¾ or 5/8 inch panel thickness; it’s up to you for the look that you want. ¾ will finish the door with a protruding panel from the rails/stiles. Production shops use 5/8 so that the entire door can be run thru a wide-belt sander and all the surfaces are planer and the doors stack neatly. Panels can be edge shaped using tablesaws, hand planes, routers, shapers, etc. If you

are going to stain the door, apply stain to the areas that will be “trapped” inside the frame before assembling the door. That will let the panel move and not show “white line” as the panel changes size after finishing.

Apply any edge shape that you want after the frame is glued by, of course, routing the end grain first so that with grain routing cleans up any tearout.

Dan noted that he found out by freezing a door for a few days and then taking a heat gun to the joints he could break yellow glue bonds on raised panel doors without breaking the wood.

He has found a specialized niche in making customers doors that match existing doors and they want one more that looks just like the others.

Raised panel doors are interesting and long lasting, Dan asked that you try making some!

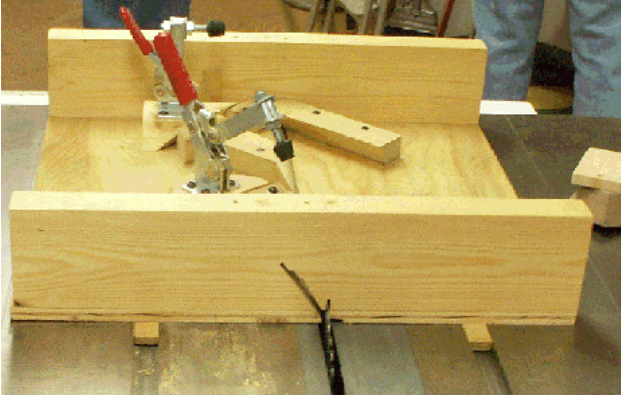
FROM THE EDITOR – *Ray Smith*

This month is the official cutoff from people who paid their dues last year to people who paid their dues last year. Some people who are regular attendees will therefore not be receiving the Knothole in the regular manner. Give them a nudge and tell them to pay their dues or tell them to get their copy from Ed Dems website at <http://www.sunflowerwoodworkers.org/4436.html>.

A few of us went over to John Belt’s shop and tried to help him with the Toy Building program. John has a neat well arranged shop that somehow he keeps clean.



We helped him build components to the locomotives that he were well received by the Salvation Army and the kids the last couple of years. Of necessity he has built some high production rate jigs to simplify the fab process.



We spent about three hours there in all. At one point we produced a cow-catcher with some unique characteristics so I stepped over to the belt sander to clean it up. I noticed that John was looking over my shoulder in a very concerned manner. I also noticed that a great deal of sanding dust was flying around. John carefully explained to me that has yet to install a dust collection system and that he usually moves the sander out on the porch on windy Kansas days so that the dust doesn't stay around long. Well - - It was a little bit cool and a little bit rainy looking that day so I ended my sanding career.

John: I sure hope you can recover from the damage we did.

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NEXT MEETING

MARCH 27, 2006

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