

Woodworkers Guild



of



Southwestern Michigan

November 12 2013

Next Meeting

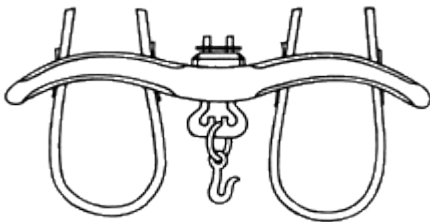
Location

November 12th, 2013 7:00pm

**Tillers International
10515 East OP Avenue
Scotts, MI 49088**

From I-94: Take Exit 85/Galesburg
Go south on 35th Street
Turn right/west onto MN Avenue
MN Avenue will make a sharp turn to
the left/south and become 34th Street
Follow 34th Street south/to the left
Turn left onto OP Avenue East
Tillers is on the left/north
Tillers' Cook's Mill main entrance is
located just east of Cook's Cemetery

Agenda: The visit will include a tour and
introduction to Tillers International.
Anticipate a demonstration on making
an Ox yoke, (for all you members who
have been requesting information on
this for your family oxen, now is your
chance!!!).



Meeting notes from October 8th.

There was a full house in attendance with over 35 members and several first time guests. Bill Crown opened up the meeting with welcome to new and visiting members followed by a brief business discussion.

A reminder to those building toy cars for the Christmas charities. Bring those finished cars to the November meeting.



Time was allowed for show and tell and many members had brought samples of their handy work along for others to see.

Mike Cline built a recipe box with contrasting splined joints and recessed inlay design.



Wolf Lugauer updated the guild on the Vicksburg pavilion. Checkout www.southcountynews.org for hundreds of photos. It was noted that over 2100 meals were provided over a ten day period to feed all the volunteers. Several members from our guild participated in the construction of the pavilion.



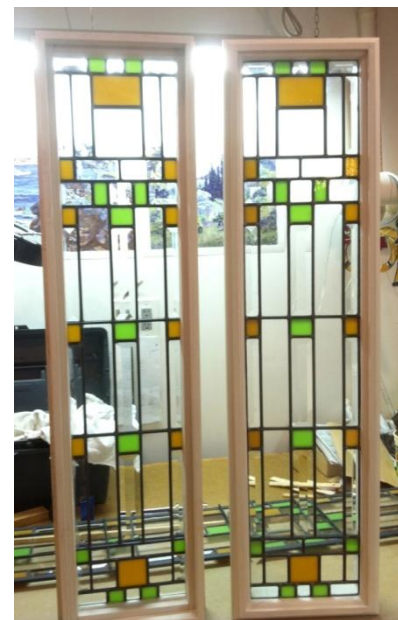
Congratulations to Don Smith for getting the first batch in for the toy car build. The toys cars are due at the November meeting



First time guest Karen Voglemann presented two nicely turned pens, one of ebony. And a bowl turned from a very hard European wood know as hornbeam. This wood is commonly used for tool handles and in ship building and obviously make a beautiful bowl.



Lee Klade had photos of a door he rebuilt for a home in Chicago. The custom transom and side light windows he built for the door pleased the owners so much he has been commissioned for more work on their fine home.



The meeting was turned over to the evenings feature presenter, Mike Belzowski. Mike quickly moved everyone outside to view his steam box arrangement. The box itself is built from regular $\frac{3}{4}$ " CDX plywood and has held up to many years of steaming six ~ twelve times per year. His first box was crafted from Baltic Birch plywood and that fell apart after the first steaming. The box is about 15" square x 5' long. Additional boxes can be joined together to handle longer material. Mike has bent three 4"x8"x16' beams for a custom bridge. The steam is generated via turkey fryer and conveyed into the box with a radiator hose. The



end caps are clamped with light pressure so the steam can escape. No pressure is built up inside the box. Note that the escaping steam is 212°F and will burn one very quick. If building one of these consider priming the inside of the box and using stainless steel screws. A few small holes are drilled in the top to allow an oven thermometer to be inserted into the box for temperature readings. As a rule of thumb, the wood is to be steamed one hour for each inch of thickness in the direction of the bend.

Everyone moved back inside and Mike explained how he builds his bending jigs, creating a full scale template. Sometimes a half template is made and flipped 180° to create a symmetrical mirror image. Bending jigs are designed with many clamping points. Then the bending demonstrations began. Below is a progression of a bending process:

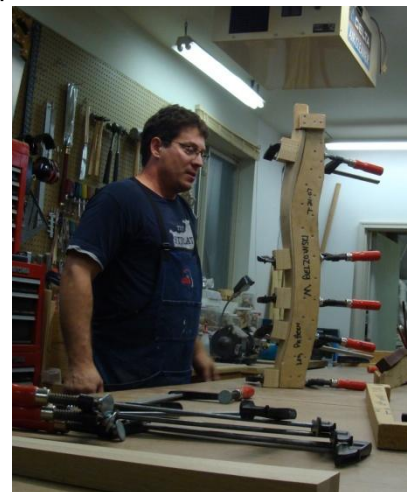


A bending strap purchased from Lee Valley and a long lever fastened together with high grade bolts is used to make such bends. The strap is always kept on the outside of the bend.

The bent piece is held in the form until it reaches room temperature. Spring back can occur and there is debate in the steam bending world as to how much spring back occurs and

ways to compensate for that. Once cooled the piece can be moved and clamped to a drying form for a week or longer. Sometimes a piece will be bent on the form, then immediately removed and bent back on itself, creating a double bend, further breaking the lignin. This allows the piece to be moved into a form with multiple bends – photo to the right.

Many thank to Mike Belzowski for another informative and entertaining evening spent with our guild.



Guild Officers

President - Bill Crown	375-1594
Vice President - Al Collison	685-8428
Treasurer - Herb Joynt	544-7264
Newsletter Ed. - Scott McDavid	544-2177
Secretary - Dennis Regan	372-0354

Woodworkers Guild of S.W. Michigan

7572 S. 10th St

Kalamazoo MI 49009

Douglas & Son Inc.

**Everyone's
Favorite
Paint & Wallpaper
Store.**

**231 West Cedar St.
Kalamazoo MI 49007
(269) 344- 2860**

J&J

***Paint & Glass
Steve Klok Scott Miracle
Everything in Glass***

***509 East Vine St.
Kalamazoo MI 49001***

***Ph 269-344-2834
Fax 269-344-0378***

Serving SW MI since 1954

Andy Jean's

**Sawmill
7616 W. Main
Oshtemo, MI**

Cell 269-808-6230

**Hardwood and Softwood
Professional Milling and
Kiln Drying**

WOODCRAFT

**4265 28th St. SE
Grand Rapids, MI
616-957-9663**

woodcraftmich550@sbcglobal.net

Directions

***New Hwy 6 E. off 131 to
M-37, N. to 28th St., Right
on 28th, One mile from
M-37 North
Just East of Paris Ave.
Next to Design Quest on
your left.
Gary Foote, Owner***

THE HERITAGE COMPANY

***Architectural Salvage
and Supply Buy and
Sell old woodwork,
doors windows and all
other old house parts.***

***Open Wed – Sat 11-5
269-385-1004
150N. Edwards
Kalamazoo, MI 49007***

S E L E C T MILLWORK COMPANY BILL ADAMS PRESIDENT

**960
INDUSTRIAL
PARKWAY
PLAINWELL MI
49080
PH 269-685 2646**

Extra photos for our e-mail readers:

Wolf Lugauer updated the guild on the Vicksburg pavilion. Checkout www.southcountynews.org for hundreds of photos. It was noted that over 2100 meals were provided over a ten day period to feed all the volunteers. Several members from our guild participated in the construction of the pavilion.



Even Mike breaks a piece while bending every now and then.



Lee Klade's door side windows

