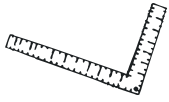


Woodworkers Guild



of



Southwestern Michigan March 2013

Next Meeting

March 12, 2013 7:00pm

Location

**Al Collison's Shop at
10292 Douglas Ave.**

Take Douglas North to Cooper, it is 2 ½ miles North of Cooper, on the right (East) side. Or you can take 131 to D ave East to Douglas and turn left, (North). Al will have an orange cone and flashing light out to get your attention.

The March meeting will be a night of show and tell with an emphasis on favorite tips and tricks. Each member is encouraged to bring an item to share, a favorite tip, trick, technique or unique tool.



The guild was treated to an exciting hands-on event at Al Collison's shop. Members constructed and took home a box jointed gift/recipe box complete with a hinged top lid. The icing on the cake was having Norma Collison custom laser engrave the box lid. Al and Bill Crown milled up the lumber before hand and a group of guild volunteers developed the assembly process.

The assembly consisted of about fourteen steps. The group of volunteers helped keep the process flowing. It all started with picking out the six pieces of oak to build the box.



Next step was to cut the fingers at the table saw using a box joint jig and twin saw blades designed solely for box joint cutting.



Don Squires helped the joint cutting at the table saw. An iBox jig from Incra was used in conjunction with Freud box cutter blades. The jig had an indexing key to space the joints. Staging the box end pieces against the side pieces ensured proper joint lineup during assembly. The blades could be oriented to cut 1/4" joints or flipped to give a 3/8" joint.

After the joints were cut the box sides were glued together using box joint cauls from Rockler. Bruce DeDee and Ben Pike assisted

with the glue ups.

After twenty long minutes of dry time it was off to the first sanding at the oscillating belt sander. Wolf Lugauer kept the sanding station moving along. The joints were sanded smooth and tops and bottoms squared up.



Now it was time to glue on the tops and bottoms. Thank goodness for all of Al's clamps. One can never have enough clamps is true.

After another long 20 minutes of clamp time it was back to more sanding to the smooth the tops and bottom to the sides.



Now the box needed to get smooth edges. Ben Overbeek oversaw the router station to round over all edges. A vacuum clamping system was used to quickly position the box halves.

The box top was band sawed away from the box bottom. Ben Pike assisted with that operation. This was followed by one last trip to the sander to smooth out the saw marks from the band saw.



The two halves got a quick pass through a second table saw station to remove material so the lid could pivot open. Al Collison kept that station moving along and sent the box builders on to the sliding table saw to cut a small hinge relief.



Doug

Lynes kept charge of the hinge relief and the final step, hinge slot cutter. A cutter much like a Dremel wheel cut two slots in each box half. A hinge designed for the cutter slot simply presses into place to complete the assembly. In the midst of all this, Norma Collison was



engraving mementos on the box lids. To an outsider looking in it may have looked like chaos with all the movement and work at various stations. But with this very organized chaos the each member left with an assembled box. Special thanks to Al and Norma Collison to allowing the guild access to their shop, equipment and talents. Also thanks to Bill Crown for helping Al mill the material and all the volunteers

that made the box build possible. And to Wolf Lugauer for filling in for our roving photographer Gary Doyle who was out recovering from the flu bug. Included in this edition of the newsletter will be an additional page of photos for the online users to view.



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

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Directions

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