



NIAGARA WOODWORKING CLUB

Newsletter

April 15, 2024

COMING EVENTS

April 25th Meeting:

**Wood Turning
Demonstration**

Special Guests:

- **Don Svob** and • **Dave Smith**
- Regular meeting features include
"Show-and-Share" & Twoonie Draw!

May 30th Meeting:

-NWC 2x4 Challenge-

Guidelines are on Page 5.
Members astound with creations
from a single 2x4x8 construction
grade board. \$50 gift card prize.

June 27th Meeting:

Membership Appreciation
Dinner -and- Annual Swap-
Trade-&-Sell event.

- Every Meeting -

- **Members Show-and-Share their current projects.**
- **Each time you bring an item to share you are awarded a ticket for the end of year draw.**
- **Twoonie-Draw for lucky member each meeting.**

Wood Turning ... One Good Turn ...



DON SVOB

Don, a noted wood-turner and recognized artist with wood, got his first lathe at a 2008 auction. His gallery of amazing creations is at: www.turningwood.ca. Don will explain tools and show techniques with a live turning demonstration on his lathe.



DAVE SMITH

David started wood-turning in 2016. Looking for a quick way to sand some spindle legs, he visited a friend's home-made lathe. This experience started a journey into creating with his own lathe. Dave will demo his process for turning small items on a lathe.



Our Club is a community of shared knowledge and skills. Let us know if you have an idea for a meeting or an event.

Niagara Woodworking Club

Meetings at 7 p.m. on the last Thursday of September, October, November, January, February, March, April, May, and June at the North Pelham Community Hall, 1710 Maple Ave., Fenwick, ON.



facebook.com/niagarawoodworkingclub/



instagram.com/niagara_woodworking_club/

Meeting Report: **March 2024**

The March 28th meeting was well attended with 29 members and guests present. Our special guest **Barry Casement**, an internationally recognized wood carver, demonstrated tools and techniques of successful wood carving. Barry is a member and past-president of the Niagara Woodcarvers Association. Two members of that group accompanied Barry to our meeting. Barry's presentation lasted for an hour and covered a number of carving types and some stories of his work in historic restoration on projects like St. Patrick's Cathedral in Manhattan. Following the presentation, Barry answered questions and interacted with our members.



Featured Member

Bogdan Topielski

- The Process of Casepiece Construction -

Recently, Bogdan took a class in "casepiece construction" given by Owain Harris at the Florida School of Woodwork in Tampa. Bogdan's project was made from poplar and cherry hard woods. Therefore, wood movement across the grain had to be taken into account. Hard woods can move 2% seasonally, but this can be mitigated by half when choosing quarter sawn or rift sawn wood. This case is 21.5" tall, 8" deep and 13.5" wide (the top is larger). In this project, movement of 3/16" or so needed to be accommodated in construction.

The bottom of the case was made of solid poplar and joined to the side panels using a very strong joint- the housed stub tenon. This joint consists of three 1" wide X 1/2" deep tenons interspersed with wider but shallower 3/16" tenons, connecting into three 1/2" deep 1" wide mortises inside a long dado-like groove 3/16" deep.



The cherry top was secured to the case using a Festool Domino DF500. Bogdan chose 8mm X 40mm dominos to maximize joint strength. After the layout lines were drawn, mortises were cut in both the side panel and top at the same time using the same layout lines by positioning the Domino tool first horizontally and then vertically. However, Bogdan altered the depths between cuts as the side panels have more room to receive a deeper mortise (25mm) while the top at 7/8" thick received a shallower 15mm mortise.



The "web" frame.



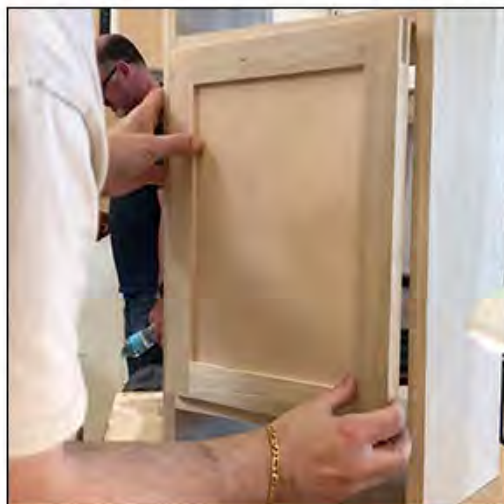
Assembling the rail and stile door.

* **Historical note:** "casepiece construction" techniques are foundational to premium quality furniture. The earliest examples of casepiece construction in Chinese furniture can be traced back to the Song Dynasty (960-1279 AD). Later, Victorian and French furniture makers employed casepiece construction techniques in the 1700s and 1800s.

The hardwood top and bottom of the case are attached directly to the sides because the grain runs in the same direction across those pieces. Thus expansion/contraction happen in unison keeping the case stable. The inset door is frame and panel construction with a plywood panel glued in. The rails and stiles are made of poplar and constructed with bridal joints and grooves for the panel. The door is carefully adjusted and fitted.



The drawer was built with poplar side and back components with rabbeted corners and a cherry front. Grooves in all four drawer pieces were cut on the table saw and a 1/4" plywood bottom was fitted and glued in. Dowels were inserted into the corner joints for reinforcement as well as aesthetic appeal. The dowels were shop made from cherry on the drill press using a steel doweling plate.



The last steps included cutting curved openings in the side panel bottoms to create legs for the case, and streamlining the cherry top by beveling the edges at 45 degrees for aesthetic appeal. The curved leg openings were cut into both side panels in unison after sticking the panels together using double sided tape. The curves were refined on a oscillating spindle sander.

*Photo credits: Bogdan Topielski
Steps in building the Casework project were all carefully described by Bogdan.*

*Photo and text editing to fit the Newsletter
by Bob White.*



Bogdan's Shop Assistant





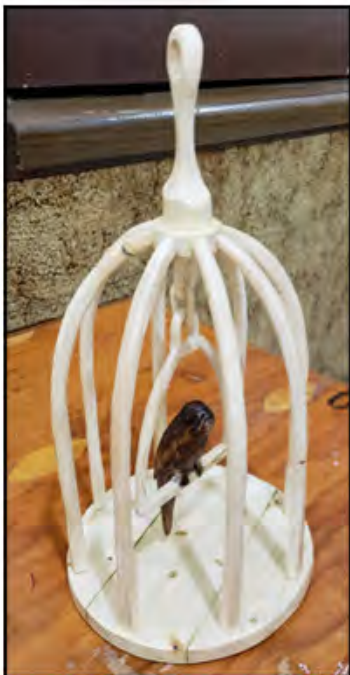
Creative Projects
by club members,
Must be built from
a single 2 x 4
(construction grade)

Entries gain a
Draw Ticket
for the
June 2024 meeting
Maximum of Two
Creations from a SINGLE
2 x 4 plank

Grand Prize: \$50.00 Home Depot Card
Runner-up and Honourable Mention
win *Tim Hortons Cards.*



Winners are selected by members
using a Ranked Ballot voting system.



*Reprise of some
entries from 2020.*



NIAGARA WOODWORKING CLUB

2 x 4 Challenge

All fully paid members of the Club are invited to take part in the 2 x 4 Challenge. Final projects must be presented at the Club meeting on Thursday, May 30, 2024.

Contest Guidelines:

1. Your projects must be built from a single construction grade 2 x 4 no more than 8' in length.
2. You can build anything or everything that you want, as long as it is constructed from the 2 x 4.
3. Multiple items can be built using the same 2 x 4.
4. Your project does not have to use the entire 2 x 4.
5. Screws, nails, dowels, and dominoes are all accepted forms of joinery.
6. Any finishing method is allowed (Poly, Shellac, Stain, Paint, Wax, etc.).
7. No other materials are allowed. Any use of leather, metal banding, plywood, knobs, etc. will result in disqualification.

Voting: for the best projects will be done by club members present for this meeting using a three-place ranked ballot system..

Prizes: Winner: \$50.00 Home Depot Card
Runner-up: \$10.00 Tim Horton's Card
Honourable Mention: Special Certificate
Each member who enters will earn one draw ticket for the June end-of-year prizes.