

Chucking Methods and Tool Swap & Sale

Norm called the meeting to order at 6:57 PM.

We had two guests – Rick and Ian Welcome.

It was announced that the June sawdust session would take place on June 9 at the Calgary Drop-In Woodwork Shop (5513 3rd Street SE)

Our website was hacked. Sherry is working on getting it back up.

Kai announced that our application to participate in the Festival of Crafts was accepted. The show is November 1-4 at the BMO Centre. We got a 10 X 10 corner booth (similar to what we had at Spruce Meadows). We will need 16 shifts for attending the booth, set-up and tear down. The booth cost is just under \$1,000 and will be paid for as a commission coming off proceeds of items sold. This show should be better suited to guild members selling their products as all of the booths are Canadian artists all selling goods they have made here in Canada.

Chucking Methods

Terry Golbeck starting the presentation on chucking methods by describing the three categories of chucks:

1. Purpose Made
2. Commercial Options
3. Vacuum chucks

Kai Muenzer presented 5 different chucking methods

1. Just press a piece against the chick with the tail stock. This will hold the piece well enough to turn a tenon which will then secure the piece more firmly in a chuck

2. Collet Chuck – good for turning finials

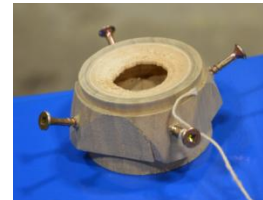


3. Save the cut off from parting off a piece and turn or sand flat. Then use this as a glue block for future turnings.

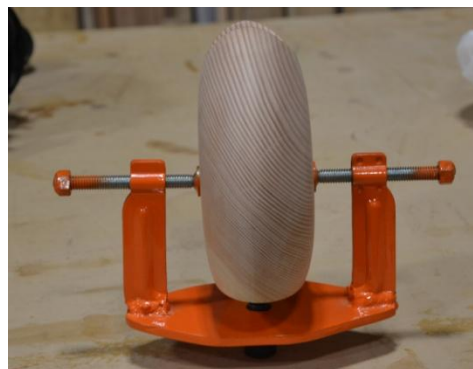
4. High Mass Wheel (2 or 3 layers of plywood glued up for mass, face plate screwed to one side). You can then hot melt glue a piece onto the wheel, and then further fasten the piece to the wheel with chains and screws to make the piece secure. Screw counter weights where need to balance the wheel and piece.



5. Put a block of wood in the chuck, and then use strings on screws to hold the piece (delicate light pieces only and very light cuts!)



Sherry Willetts was next demonstrating a multi axis chuck that she made to turn canteen shapes. It is essentially a big clamp that mounts onto her lathe.



Next was Greg Dahl with a chuck/clamp similar to Ron's portal chuck from the May meeting. With this chuck Greg was able to securely hold a vase to shape and hollow the vase. Greg poured some epoxy into the inside of the vase and swirled it around to coat and seal all parts of the inside of the vase so it could hold water. A neat trick!



Don James presented a number of chucking methods:

1. Take a four jaw chuck and take off two opposite jaws turning the chuck into a two jaw chuck. Put a piece of wood between the two remaining jaws. This lets you move the piece back and forth for multiple axis turnings
2. Take a large flange nut that will fit the headstock of your lathe. Drill some holes through the flange and after sharpening the ends of some long bolts, put the bolts through the holes in the flange and secure them with some nuts. Using your tailstock, trap the piece between the sharp bolts and the tailstock. This is good for holding pieces with bark.



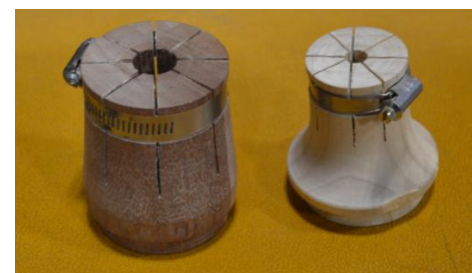
3. Using an adapter, mount your chuck on a OneWay live center. Then put the live center in your tail stock. This is a great way to add additional support to long turnings (or for gluing up segmented pieces and keeping everything centered!)
4. Don turns "stethoscopes" for midwives. He does this using special cones that fit on his drive center and his tail stock. After drilling a hole through a piece of wood, he puts a cone into the hole on each end and holds the stethoscope for turning using friction

5. Don made some wooden jaws that bolt onto his four jaw chuck replacing the metal jaws. The jaws have special recesses to hold his piece. He uses these for making bracelets.



6. Take a piece of wood and turn a Morse Taper cone on one end. Drive it into your head stock, and turn whatever you need on the other end.

Dean Sinnot was next and showed the guild some home-made collet chucks that he had made. I believe these are mounted in a four jaw chuck. They grip the piece being turned by tightening the hose clamps at the end of the chuck.



Doug Drury was next showing the guild a donut chuck that he had made. He started with a piece of $\frac{3}{4}$ " plywood cut into a circle. A face plate was mounted on the back, and everything was turned round on the lathe. Several layout grooves were cut into the face of the disk to aid in mounting pieces. A second circle was then cut out, and bolt holes were drilled into both pieces at once to make sure the holes line up (reference marks were made on both pieces so they could be realigned later). The second circle was removed, and hole cut in the middle. With the first solid disk mounted on the lathe, a bowl or other object can be securely trapped between the solid disk and the disk with the hole allowing you to finish the bottom of bowls, true up tenons on green turned and now dry (but warped) turnings, etc. Different sized donuts (disks with holes cut in them) and lengths of bolts allow you to mount different sized objects. A piece of hose or rubber tubing around the hole provides a cushion if you are worried about putting a mark on a finished surface.



--- BREAK ---

After the break Terry showed some commercial options

1. First was a OneWay Screw Chuck. The screw chuck had a number 2 Morse Taper on one end, an screw on the other. The piece would have a hole drilled in it, screwed onto the chuck, and then turned. Terry showed a number of pieces of fruit that he had turned. To hide the hole from the screw chuck, he glued in a clove (which looks a lot like the end of a piece of fruit). He did mention that turning the stems on the pieces of fruit was especially challenging (ha ha).
2. Second was a Stronghold chuck whose plates had recessed holes for wood screws. Using these plates the piece can be screwed to the chuck (similar to a faceplate). He mentioned that flat jaws with similar holes can be purchased for Talon and OneWay chucks.
3. Terry next demonstrated a vacuum chuck. A vacuum pump able to produce 5 CFM or 23 inches of mercury vacuum is needed to hold a piece securely. While commercial vacuum chucks are available, I was left with the impression that most turners make their own. The following link is a good starting reference point if you are interested in pursuing this option <https://www.woodworkersinstitute.com/wood-turning/techniques/ancillary-equipment/chucks/using-vacuum-chuck-systems/>

CALGARY WOODTURNERS GUILD NEWSLETTER



June 5, 2018

Issue 82, June 2018

Announcements:

Vern Steinbrecker is moving and has a General 160 lathe for sale as well as some wood to give away (mostly mayday)

Graham Dolby also has a General 160 lathe for sale complete with a wood base for someone over 6 feet.

Greg Dahl has a General 260 Lathe for sale (220V)

Please contact the people above directly for further information.

Dave Beeman did the raffle draw with help and many pieces of wood found new homes. Emil Arsenault won \$67.00 in the 50/50 draw.

----- INSTANT GALLERY -----



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About the Guild:

GUILD PURPOSE: To promote the art and craft of Woodturning in a way that expands the knowledge, safe practice, and enjoyment of woodturning, thereby benefitting both members and also the community.

FOR THE MEMBERS:

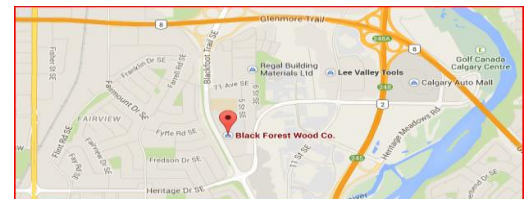
- To provide all members with a method of regularly exchanging ideas and experience in woodturning
- To promote safety in woodturning
- To benefit from group size in acquiring published resources and materials

FOR THE COMMUNITY:

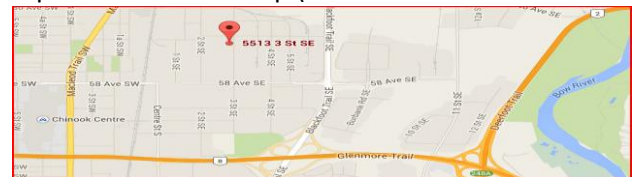
- To bring an awareness of woodturning to the general public
- To provide charitable benefits to the community

MEMBERSHIP DUES: \$30.00 per calendar year (includes newsletter delivered via email)

MEETING LOCATION, TIME, AND MAILING ADDRESS: The guild meets on the first Tuesday each month (except July and August) at 7:00 PM at Black Forest Wood Co. Bay 7, 603 – 77 Avenue SE, Calgary, AB, T2H 2B9. Visitors are welcome



SAWDUST SESSIONS: Sawdust sessions are held at the Calgary Drop-In Woodwork Shop (5513 3 Street SE). Come turn and talk wood with your fellow guild members, learn or try something new. There are always people available to answer questions and give help, and lathes to turn project on. Visitors are always welcome, and lunch is available for \$5.00 for those who work up an appetite and want to stay.



CLUB OFFICERS AND DIRECTORS:

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Vice President	Garry Goddard	Librarian	Carl Smith
Treasurer	Steve Olson	Membership Records	Carl Smith
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Director – Sawdust Sessions	Ken Kindjerski	Public Sales	Kai Muenzer
Director – Sawdust Sessions	Albert Daniels	Raffles	Dave Beeman
		School Liaison	Vacant
		Members at large	Jim Leslie
			Vern Steinbrecker