

Southwest Idaho Woodturners Association

The Treasure Valley Woodturner's club
Meets monthly on the 2nd Tuesday at 6:30 PM
At the Woodcraft store in Boise ID.



7005 W. Overland Rd
Boise ID.



<http://www.swiwt.org>

May 2019

Club Officers

President:	Aaron Cornell
Vice President:	Scott Taylor
Secretary:	Tom Turco
Treasurer:	Tom Turco
Librarian:	Liz Meyer & Marlise Schmidt
Directory:	Marcia Miller
Newsletter:	Ellis & Marcia Miller
Advisory Board:	Marsha Baker Sid Bright Gary Smith

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Demonstration

Trudy Webb demonstrated Jam Chucks.



Trudy told us that she likes to use jam chucks, made from plastic, to finish turning the bottoms of her pieces. She prefers plastic over wood because it is less likely to scratch her finished piece. Trudy buys her WHMW plastic at Interstate Plastic's, 2201 S. Centurion Pl. Boise. (208) 322-4400. When she goes to Interstate she will look in the cut-off bins to see what is in there. She is looking for WHMW plastic, either white or black, and the needed length and diameter.

Trudy bought her threading taps from a machine shop. She bought a starting tap, with a long length, to get to the full thread diameter. It was discussed that either a bottoming tap, or a wood tap would work better.

Trudy included three pages of instructions for making your jam chucks for different head stock sizes, and making the jam chuck for a threaded spindle, like the One-Way and the Powermatic live centers.

I scanned in Trudy's handouts on the following 3 pages. The instructions are better than anything I can write.

UHMW Threaded Jam for 1 1/4" x 8 tpi Spindle

You will need the following:

1 1/4" x 8 tpi tapered tap, a 1 1/8" and a 1 1/4" forstener drill bit

If using a round rod of UHMW and if the ends are reasonably true, you can directly mount the material into a chuck without a tenon. If using square or larger than 2 1/2" diameter round stock, mount between centers, turn a tenon and mount by the tenon. Once mounted, turn square stock round.

Using a forstener bit, drill a 1 1/4" diameter recess .3" deep.

Using a 1 1/8" forstener bit, drill to a total depth of 1.9", cleaning out chips and allowing bit to cool (so as not to melt the plastic) several times during the drill.

Using a live center in tailstock, place the point of the live center into the indent in the square end of the thread tap and carefully push the tailstock forward, centering the tap into the drilled hole. Lock the tailstock to the ways but leave the quill unlocked.

Lock the spindle.

Using a crescent wrench, turn the tap clockwise slowly advancing the quill as the tap advances. The tailstock/quill is in place merely to keep the tap centered. Do not over advance the quill. Let the tap thread/advance itself.

About 1/2 way through the bore, pull tailstock back and using the crescent wrench, unthread the tap to clean chips from the hole and tap flutes. Carefully rethread the tap by hand as far as you can. Bring tailstock back up to the tap center and lock to the ways. Finish boring with the tap while gently advancing the quill until the tap bottoms out in the hole and stops advancing.

Slide tailstock back and using the crescent wrench, unthread the tap. Remove the UHMW from the chuck. Clean out any threads or chips of plastic and inspect the beginning threads to be sure they are cleanly cut.

Remove the chuck and carefully hand thread the UHMW onto the spindle. This may take patience to get threads started the first time. Do not force.

Unlock spindle.

Turn to true the outer diameter and shape the end to your liking. It's a good idea to check the inside bore depth and mark on the outside so you don't turn through into the bored chamber while shaping.

UHMW Threaded Jam for 1" x 8 tpi Spindle

You will need the following:

1" x 8 tpi tapered tap, a 7/8", and a 1" forstener drill bit

If using a round rod of UHMW and if the ends are reasonably true, you can directly mount the material into a chuck without a tenon. If using square or larger than 2 1/2" diameter round stock, mount between centers and turn a tenon and mount by the tenon. Once mounted, turn square stock round.

Using a forstener bit, drill a 1" diameter recess .3" deep.

Using a 7/8" forstener bit, drill to a total depth of 1.5", cleaning out chips and allowing bit to cool (so as not to melt the plastic) several times during the drill.

Using a live center in tailstock, place the point of the live center into the indent in the square end of the thread tap and carefully push the tailstock forward, centering the tap into the drilled hole. Lock the tailstock to the ways but leave the quill unlocked.

Lock the spindle.

Using a crescent wrench, turn the tap clockwise slowly advancing the quill as the tap advances. The tailstock/quill is in place merely to keep the tap centered. Do not over advance the quill. Let the tap thread/advance itself.

About 1/2 way through the bore, pull tailstock back and using the crescent wrench, unthread the tap to clean chips from the hole and tap flutes. Carefully rethread the tap by hand as far as you can. Bring tailstock back up to the tap center and lock to the ways. Finish boring with the tap while gently advancing the quill until the tap bottoms out in the hole and stops advancing.

Slide tailstock back and using the crescent wrench, unthread the tap. Remove the UHMW from the chuck. Clean out any threads or chips of plastic and inspect the beginning threads to be sure they are cleanly cut.

Remove the chuck and carefully hand thread the UHMW onto the spindle. This may take patience to get threads started the first time. Do not force. IF you should cross thread, stop immediately and hand thread the tap back into the threads to clean them.

Unlock spindle.

Turn to true the outer diameter and shape the end to your liking. It's a good idea to check the inside bore depth and mark on the outside so you don't turn through into the bored chamber while shaping.

UHMW Threaded Jam for 3/4" x 10 tpi Spindle

(for the Oneway Live Center)

You will need the following:

3/4" x 10 tpi tapered tap and a 21/32" drill bit and 1" forstener drill bit

If using a round rod of UHMW and if the ends are reasonably true, you can directly mount the material into a chuck without a tenon. If using square stock, mount between centers and turn a tenon and mount by the tenon. Once mounted, turn square stock round.

Using a forstener bit, drill a 1" diameter recess 1/8" (.125") deep.

Turn a 1 3/4" tenon (or the smallest size that will fit your chuck).

Using a 21/32" forstener bit, drill to a total depth of 1.6", cleaning out chips and allowing bit to cool (so as not to melt the plastic) several times during the drill.

Using a live center in tailstock, place the point of the live center into the indent in the square end of the thread tap and carefully push the tailstock forward, centering the tap into the drilled hole. Lock the tailstock to the ways but leave the quill unlocked.

Lock the spindle.

Using a crescent wrench, turn the tap clockwise slowly advancing the quill as the tap advances. The tailstock/quill is in place merely to keep the tap centered. Do not over advance the quill. Let the tap thread/advance itself.

About 1/2 way through the bore, pull tailstock back and using the crescent wrench, unthread the tap to clean chips from the hole and tap flutes. Carefully rethread the tap by hand as far as you can. Bring tailstock back up to the tap center and lock to the ways. Finish boring with the tap while gently advancing the quill until the tap bottoms out in the hole and stops advancing.

Slide tailstock back and using the crescent wrench, unthread the tap. Remove the UHMW from the chuck. Clean out any threads or chips of plastic and inspect the beginning threads to be sure they are cleanly cut.

Unlock spindle.

Turn the UHMW piece around and mount by the tenon into the chuck. It's a good idea to check the inside bore depth and mark on the outside so you don't turn through into the bored chamber while shaping. Turn the shape you desire on the end and true the sides round if needed. Remove from chuck.

To use, hand thread the UHMW onto the threads of the Oneway live center. This may take patience to get threads started the first time. Do not force. IF you should cross thread, stop immediately and hand thread the tap back into the threads to clean them.

Show and Tell

Gary Jones

Gary is going to be offering his pens for sale. The one's shown here are mostly hunting related, rifle type pens. The bowl, top right photo, is Gary's third bowl. The two bottom pictures show different styles of French rolling pins.



Bruce Johnson

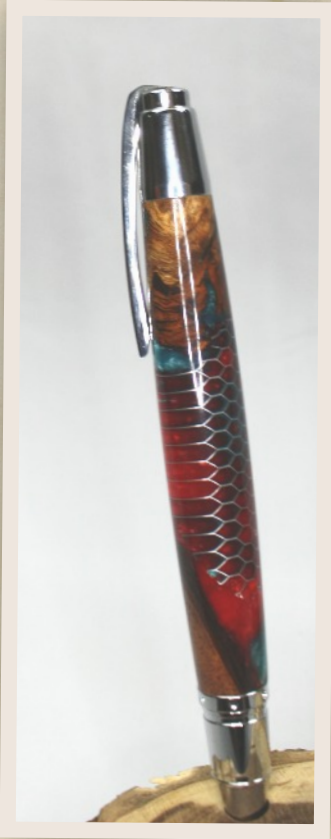


Bruce brought in the two Celtic cross goblets, with a Celtic cross in the stems. The goblet below has a captive ring. He told us that he just bought a captive ring tool, and this is the best captive ring he has made.

The picture, bottom left, is a segmented goblet, work in progress.



Rich Froehlich



Rich continues casting his own pen blanks. The pens and bottle stopper blanks have aluminum airplane mesh cast into the blanks. The white pen shows the mesh the best.

The bottle stopper blank shown below was donated to the raffle.



Dan Oliphant

Dan made this hollow form out of Oak. While turning the hollow form, he found different grain patterns on the sides. Look at the different grain patterns on the two sides of the form.



John Pickrell



John told us that he watched Wayne's demonstration on segmented turning last month. Wayne challenged him to make a segmented bowl. John told Wayne he is not a bowl turner, especially segmented bowls. He is the top turner in the club, or is that the turner of tops? John decided he was going to make a segmented top. He cut the staves he needed. He told us that he always has trouble getting the pointed end of the staves to line up. He glued up the two rings, lining up the grain patterns and let the points end up where they wanted to go. When everything was glued up, he took the top to the drill press. He drilled a 1 1/4" hole in the center of the top. He turned a piece of Purple Heart to be the center and the point on the bottom. He said that turned out to be a good thing. He got more weight in the center of the top, so it would spin better. He showed it off and it spun for a long time.

Connis Wilson



Connis told us that he made a bowl from a board for a carnival he was involved in. When he arrived, a women offered to buy his bowl before he even put it on the display shelf. So, he turned 4 additional bowls. He told us that he cuts the wood the width he needs for each level of the bowl. He draws his cut lines. The boards are then cut in half. He used his band saw with the table set at a 45 degree angle to cut each piece. He glues each piece together to form a ring. He will then put the rings on the bowl. You can see that he put different colored rings in other bowls.



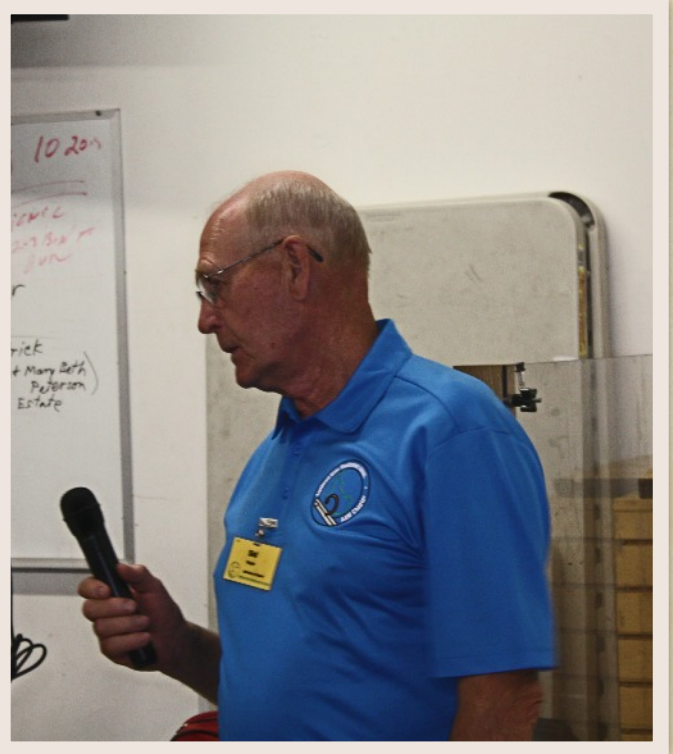


Break Time



My wife made 3 types of muffins and s'mores brownies. If that didn't quench your sweet tooth, she also offered Crispy Coconut Rolls and Lemoncello Chocolate Almonds.

Club Business



Sid has taken on the job of getting the club a logo shirt. He contacted Imprint City in Meridian. There are 3 different shirt fabrics available, 2 with pockets and one without a pocket. Sid is wearing the one without a pocket. The shirts range in price from \$22.00 to \$30.00 each. The shirts are custom ordered, and they are not returnable; no refunds. Contact Sid to place your order.

Brown Bag time

Our annual picnic is coming up Aug. 10. We need to get our brown bags to the next meeting. Put 2 to 3 board feet of lumber into a shopping bag. Put your name on the inside, where it can't be seen until it is opened. Bring it to the June meeting where we will exchange it with someone else. Then, you have until the Aug picnic to make something out of the wood. At the picnic, you will give the wood back to the person who brought in the brown bag. Everyone, remember, you get the wood back, put good wood into the bag to get a good project back.

Turn for the troops

Aaron and Steve have kits of 25 pens that are ready to turn. Contact them, get your package of kits, and take them home to turn them. When we have a lot of kits completed, the assemblers can get started first thing. Then the people turning can give them more. Our club is one of the top in the nation for completing pens for our troops. Lets make this a record setting year.

Aaron is working on getting a community project that the club can do. One is making wig stands for cancer patients. During the chemotherapy, it is not uncommon for the patient to loose their hair. The hospitals provide wigs for the patients. It is appreciated by the patients to have a wig stand for their wigs. Some of the stands could be painted by art students at some of the area high schools. See page 16 and 17 for plans.

Another community project Aaron is looking into is "Eagle Head Canes" for the troops. See pages 18 and 19 for the plans. This is a good project to collaborate with the wood carvers.

Connis told us about getting scam calls. He got one from someone claming to be from the Social Security Office. He figured it out quickly that it was a scam. Never trust caller ID. Never give out personal information to someone that called you. Never give them a credit card number. If they will ask you to get a prepaid credit card that will alert you it is a fraud. Government agency's will always send you a letter, they don't contact you by phone.

Use a lot of caution when ordering items on line. I ordered a specialty item a few years ago. I wanted another one, looked it up on line, and ordered it. Marcia saw it was a scam within about 1 hour. We notified the bank to cancel the purchase. We were told by the bank they had to, by law, allow the company about 14 days to send us our order. They did put a hold on the money. When the company didn't send the ordered items, our bank could give us back our money.

WIG STAND DESIGN

MONTROSE AREA WOODTURNERS

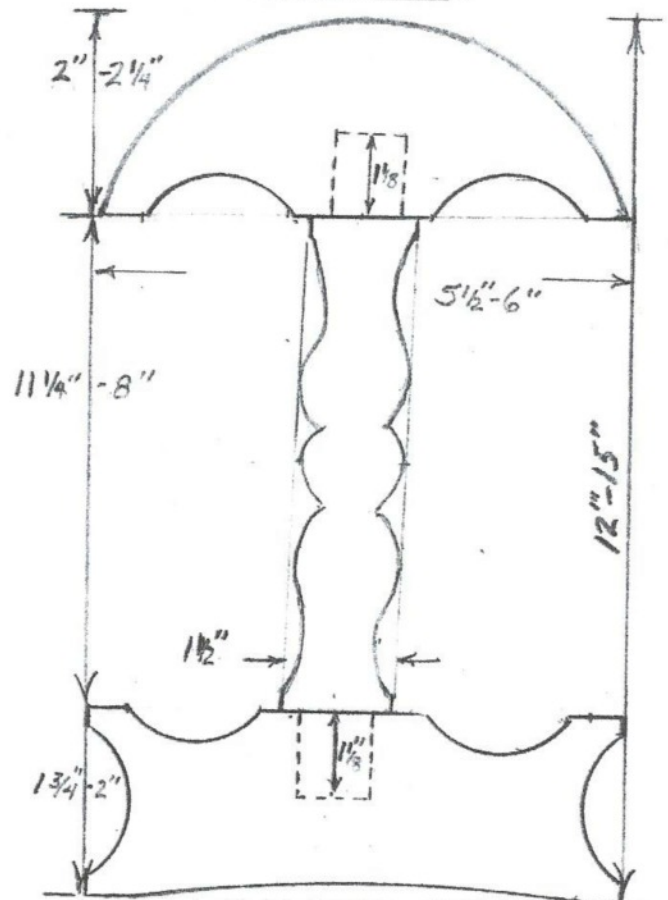
The overall design of the wig stand can be as *creative* as possible within the following guidelines:

- 12" - 15" high, approximately, max 15"
- Cap: 5 1/2" - 6" diameter rounded, 2 1/4" - 2 1/2" in height.
- Base: 6" or to complement the cap. Should be heavy enough to provide stability. A preference is to be dished out slightly to hold jewelry or hairpins.
- Wood: any type of wood can be used. Laminating is possible, and recommend Titebond 2 glue be used. Epoxy is used to glue spindle to cap and base.
- Natural woods such as cherry, walnut, oak, etc. can also be used with a natural finish. Other woods can be painted by local painters.
- Finish: 2-3 coats of poly.

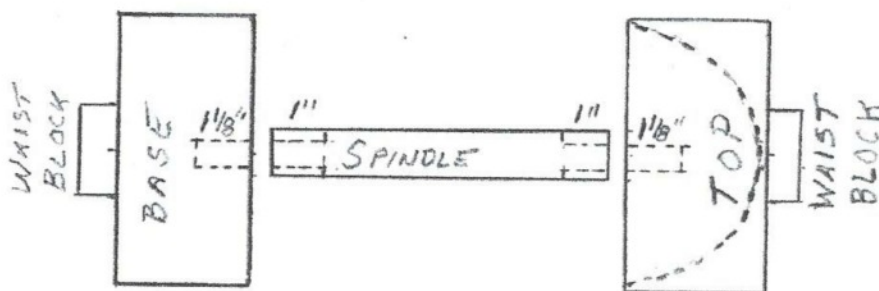
There are various ways to create your project depending on the chucks and accessories you have available.

Return completed components so they can be assembled, sealed and made ready to be distributed to painters.

EXAMPLE



EXAMPLE OF A "KIT"



WIG STAND DESIGN

Montrose Area Woodturners

Step by Step Instructions

BASE

- Chuck up base on bottom tenon and true up top surface
- Turn sides to desired shape
- Turn top with cove (used to store hair pins, etc.)
- Drill a 1 1/8" hole 1 1/8" deep for spindle. Face off slightly where spindle will set
- Sand as needed
- Re-chuck with pin jaws in 1 1/8" hole
- True up bottom and turn concave shape to center, ensuring base sets evenly
- Sand as needed

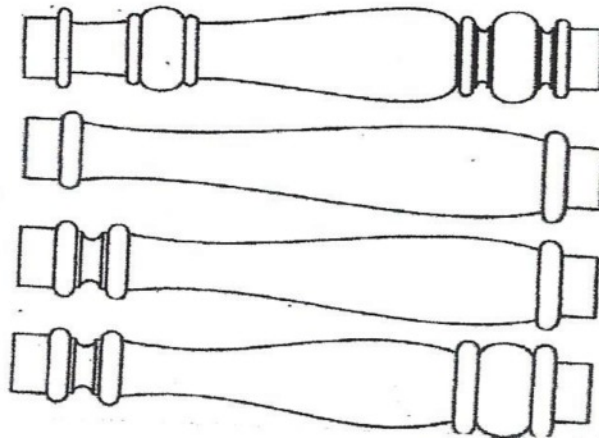
TOP

- Chuck up top on tenon and turn bottom removing some material to lighten up the top
- Drill a 1 1/8" hole 1 1/8" deep for spindle. Face off slightly where spindle will set
- Sand as needed
- Re-chuck with pin jaws in 1 1/8" hole and turn top round (no flat spot on top)
- Sand as needed

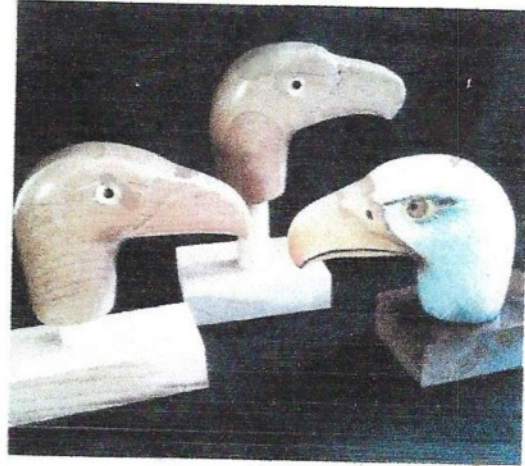
SPINDLE

- Mount between centers turn round and cut 1 1/8" tenon 1" long on each end
- Turn spindle to your design leaving 1 5/8" – 1 7/8" shoulder at top of each tenon
- Turn a taper in shoulder to provide room for glue overflow and tight fit
- Sand as needed

SAMPLE SPINDLES



EAGLE HEAD CANES



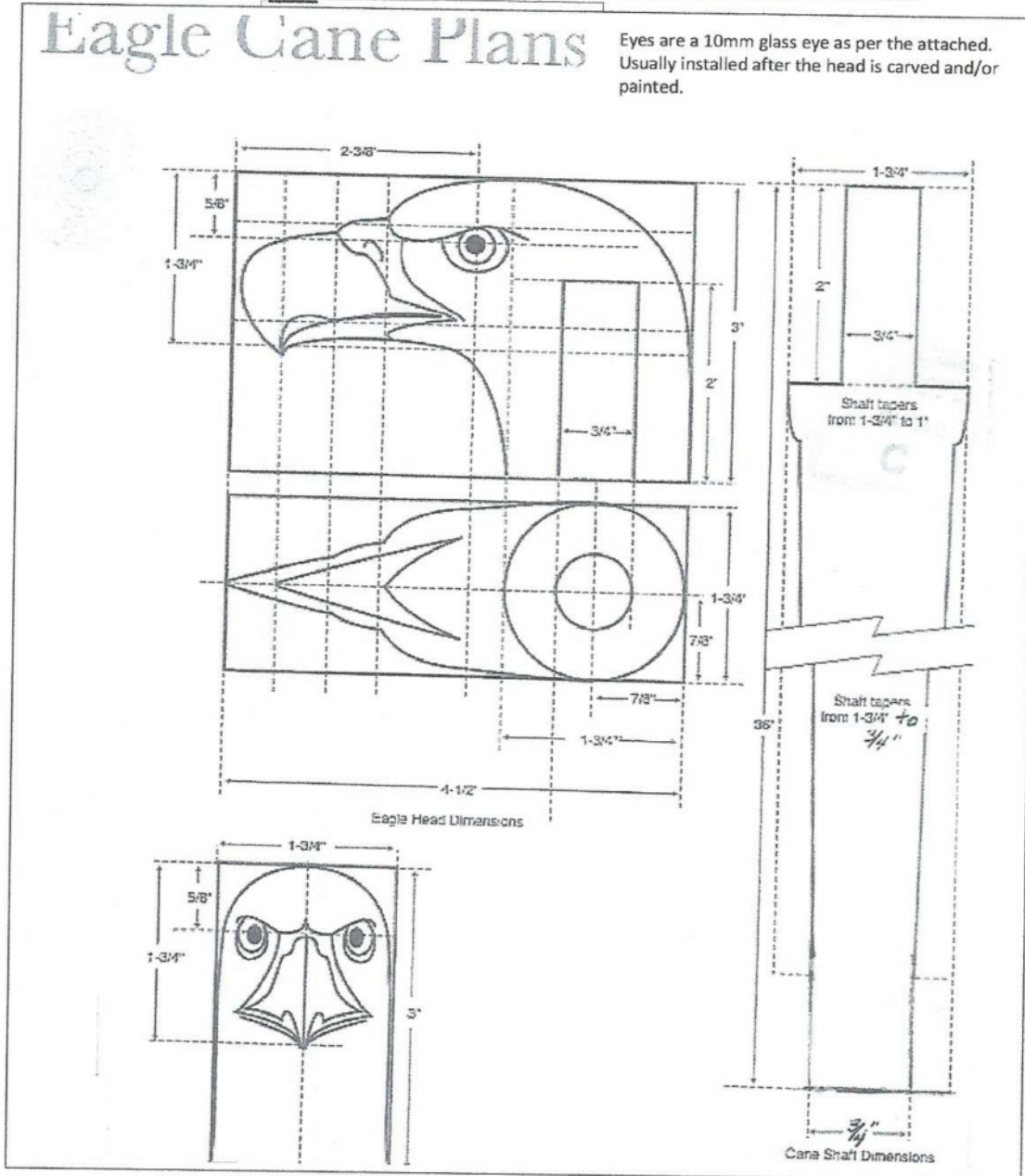
The tradition of Eagle Head Canes dates back to the Civil War when so many of the soldiers came home with leg injuries or even amputations. There was no government entity in place to take care of these men, it was neighbor taking care of neighbor. They would hand carve amazing canes for the veterans in their communities, with the eagle head symbolizing strength and freedom on top.

As time went by, with a break in conflicts and the creation of veteran care facilities, the tradition was forgotten. In 2004, a woodworking group came across the long forgotten story of the Eagle Head Canes and decided to bring back the unique way of honoring our Nation's Veterans. The idea spread across the Nation to wood working groups in many states.

The Montrose Area Woodturners, the Black Canyon Woodcarvers, and the Woodworkers Guild of Western Colorado, together make these works of art in honor of all veterans in the Montrose and surrounding areas. Their dedication and willingness to volunteer much of themselves makes our entire community proud.

PLANS:

The overall length of the cane is the height of the veteran divided by 2. The rubber tip will add 1/2". (ie: 6' veteran divided by 2 = 36". Add 1/2" for rubber tip. Total overall length is 36 1/2".) The staff under the eagle head is engraved with the military information of the veteran as obtained from form DD213. If he is a Purple Heart recipient, a ring of purpleheart wood is placed under the head. The head is epoxied on, and the cane is sprayed with 2-3 coats of lacquer. The canes are presented once a month at the local Warrior Resource Center.



Cane Plans by Rusty Johnson of EOWA

Bowl Exchange

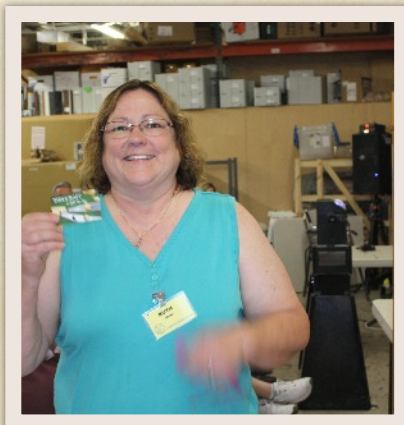
Cliff Heckathorn was last month's winner. He brought in this bowl, with unique grain.



Gary Moon won the bowl. As he was walking up to claim his prize, someone reminded him, he had to turn a bowl for next month's drawing. Gary said, he doesn't turn bowls. Aaron said "You can turn anything you want, even an Indian flute". I wonder if there is a piccolo version of an Indian flute? I am looking forward to see what Gary turns.



Happy Raffle Winners



New Members



Darrel Bridges



Gary Crandall



Gary Jones



Harry Risso



Jim Wilson



Monte's Visit

WOODCRAFT

7005 W. Overland Rd.

Boise, ID. 83709

208 338-1190

www.woodcraft.com/store/boise

Monte told us about new hinges that he will be carrying in the store. They are for barn door style doors. If you have a project that needs barn door style bypass door mounts, be sure and call Woodcraft and see what Monte has. Below, left, a paint can opener, making it easier to open paint and/or finish cans. Below, right, Wera bits that are laser etched to hold better.





Above, laser engraved gift box. Do you have someone special that you want to give a great gift to. Give it to them in this gear operated gift box. This is one gift box they are sure to keep for many years to come, and the recipient will always remember who gave it to them.



Left, magnetic pen bushing storage panel. Have you been looking for a way to store all of the assorted different sizes of pen bushings? Go into Woodcraft and check out this storage panel.



Up Coming Events

Annual club picnic
August 10, 2019

Rocky Mountain Woodturning Symposium
September 13-15, 2019.
Loveland, Co.

rmwoodturningsymposium.com