



The Burl

A monthly newsletter for the
Willamette Valley Woodturners
e-mail: wvwtturners@gmail.com
We are also on Facebook



Member chapter

Volume 24, Issue 8

A non-profit/501(c)(3) corporation

July, 2020

Next Meeting
Thursday August 13, 2019 6:30 pm
using ZOOM

President's Message August 2020

The Vacuum Chuck, Part II: And Now, the Suction

Last month I described the process I use to create the chuck part of a vacuum chuck. This month I'll go over the steps I followed to deliver a vacuum to that chuck. First, though, a few notes about how wood will react to being chucked up in one of these devices.

Wood is composed of fibers that are most easily described as straws. Some woods have another structure in the cells called tyloses; others do not. These structures are like little dams or plugs in the cells. As an interesting side note, tyloses are the reason white oak, but not red oak, is used for liquor and wine barrels. If it weren't for the tyloses, everything inside the barrel would eventually be on the outside. In the first part of this article I suggested using white, rather than red oak for your chuck. Tyloses are the reason: they help seal off leaks.

Designing and using a vacuum chuck is all about controlling air leaks. Leaks can occur in your pipe fittings, in your tubing connections, and in the workpiece itself. Very thin pieces, as you might expect, have fewer layers of wood fibers to resist air migration from the outside of the piece to the inside of the chuck, and if the piece is very thin, it can collapse under the atmospheric pressure difference. The lesson here is that you need to control how much vacuum you are using: you'll need enough so the workpiece doesn't launch through a window, but not so much that you crush your bowl.

Here's what I did to construct this apparatus.

I knew I wanted a handy way to regulate the vacuum, which meant I needed a bleeder valve of some sort to create an intentional air leak in the system for fragile workpieces. I wanted to monitor the vacuum in the system, so I needed a vacuum gauge. Of course, I needed a way to connect all this together, and mount it in a place I could see it (Figures 1 and 2). Finally, I needed a vacuum inlet (from the vacuum pump) and outlet (to the lathe). All these bits are assembled in Figure 3.

These photos illustrate the idea:



Figure 1 Testing the fit of the mounting base



Figure 2 Painted and in place



Figure 3 Manifold and bleeder valve

I use a vacuum bag as a veneer press in my furniture making, and decided to try that vacuum pump for this application. I mounted it on a small purpose-built platform (Figure 4) screwed to the wall near my lathe and connected it to the manifold with reinforced tubing. I purchased a lathe accessory from Craft Supplies USA to deliver the vacuum through the headstock spindle to the chuck's interior (Figure 5).



Figure 4 Vacuum pump on the wall.



Figure 5 Vacuum spindle adaptor.

To make it easier to use, I also purchased an accessory called a reverse chucking adaptor from CSUSA. This is simply some aluminum stock with a Morse taper on one end and threads to match your chuck on the other. To use it you insert the Morse taper in the tailstock, mount your chuck (with the workpiece still attached) onto the threads, and then move the tailstock up to your vacuum chuck and turn on the pump. Release the workpiece from your 4-jaw chuck and you're all ready to turn off your tenon, sand and finish the base, or complete any other lathe work on the bottom of your workpieces.

I have found a vacuum chuck to be a nice addition to the shop, fun to assemble, and relatively easy to construct. If you build one, or already have one in use, why not share your experiences and some photos in the next issue of *The Burl*?

Until then...Let the Chips Fly!

~~Jeff Zens

July 9, 2020 Zoom Meeting Minutes

Submitted by Milt Engelke, Secretary Willamette Valley Wood Turners.

Host: V.P. Marc Vickery – Tom Hastings

President: Jeffrey Zens call to order 6:37

Pledge of Allegiance

Craft Supply - \$0 no submission anticipated this month

Discussion concerning survey following June Meeting> Jeff Zens

Survey Results – received 22 responses

Generally, responses were favorable

Most enjoyed the extend and expanded SHOW AND TELL

Request for more sawdust sessions – favorable to have with limited attendance allowed

Question – What happens once COVID is cleared, are people interested in attending sessions in person once approved?

Bruce Stangeby offered the development of a vaccine will certainly impact that decision process.

Does Terry have good enough internet speed to allow for demos from his locations?

Could the club offer demos from the Center 50+ once reopened to limited attendance; yet allow others to participate via ZOOM. At present time that does not appear to be an option. Marc Vickery will be looking into alternative possibilities.

Mark Choitz – provided a show and tell via ZOOM

Demonstration for club was hosted by Tom Hasting from his home shop. Demonstrated making Basket platter using the various tools he has adapted. Hopefully some of his pictures will be posted with the news letter.

Generally this was a successful demonstration with ample opportunity for two way conversations.

Tom was well prepared and with the exception of a couple of periodic connection issues when quite well.

Total attendance for Zoom meeting was 18.

Meeting adjourned at 8:05 pm.

Upcoming Demonstrators for 2020

NOTE: due to the Coronavirus, the next several months are undetermined including the ones shown as scheduled. Scheduled meetings are all subject to change.

Date	Name	Website	Topic	Saturday Class
8/13/2020	Lyle Jamieson	www.lylejamieson.com	Hollow Forms	Not at this time
9/10/2020	Under consideration. Some possible ideas in the works. Please refer any ideas to Marc Vickery – THANK YOU			
10/8/2020	Under consideration. Some possible ideas in the works. Please refer any ideas to Marc Vickery – THANK YOU			
11/12/2020 SUBJECT TO CHANGE	Art Liestman	http://artliestman.com/	Demo and class are on the “lost wood process”	Not yet
12/10/2020	Under consideration. Some possible ideas in the works. Christmas??? Please refer any ideas to Marc Vickery – THANK YOU			
Please express an interest of ANY Demonstrator or weekend workshop you would like to see to Marc Vickery				

PLEASE NOTE:

Lyle Jamieson will be hosting the meeting and Marc Vickery Will be doing Co-Host duties. We will be sending the link to the meeting the Morning of the meeting of August 13th.

Show and Tell plan for the 8/13/2020 Zoom meeting:

Since we have a demonstrator, the Show and Tell portion will be short. The plan is to end club announcements and Show and Tell by 7:00pm and the demo should run from 7:00 to 9:30 approximately. No actual time limits. Members have probably been working on lots of projects with the virus protocol. Please take some pictures and be willing to discuss the projects as to: wood type, source of wood, inspiration, problems and solutions, and anything you learned in doing the project. Sharing is how we all learn and get inspired.

To bring the photos for Show and Tell to the meeting, PLEASE forward by email to me at my address below.

In the world of technology, I discovered some members found Zoom a bit of a hurdle. IF YOU want a practice session, please email me a note asking to be invited.

And if you have a best time include it in the email me and we can discuss a time that works for you.

Email to halepaumarc@gmail.com

Call if I can help in any other way.

To connect with Lyle via Facebook or see him on YouTube check out the following:

YouTube channel: <http://www.youtube.com/user/JamiesonLyle>

Facebook page: <https://www.facebook.com/lyle.jamieson1>

Live remote demonstration topic outline

Lyle will cover the entire process of hollow form turning. He will cover the foundation elements as well as challenging the advanced turner to fine tune techniques. Lyle welcomes any and all questions, that's what makes it fun. The more audience participation the more territory he can cover.

Includes, if time permits:

- tool control for roughing
- Chucking methods
- Vibration issues
- Preventing catches
- Grain orientation advantages
- Boring bar tool control
- Boring bar limits
- Laser measuring techniques
- Finishing the inside bottom
- Torn out grain problems
- Cleaning out tool marks
- Reverse chucking Hollow forms
- Finishing methods



Lyle Jamieson also provided the following guidelines for Zooming:

Zoom for newbies

To participate in virtual meetings you'll need to download the FREE Zoom software.

Desktop and laptop computer users should go online to zoom.us, join as a free basic member by entering your email and a password, and look under the "resources" tab for the download. Smartphone users, go to your app store for "zoom cloud computing." There are many concise videos on line showing you how to install and start Zoom.

Joining the meeting. When you receive an invitation in your email, just look for the Zoom link to join meeting, and click it.

Full screen. In the meeting, look in the upper right corner of your screen and click "enter full screen," to see the biggest picture.

Views. Also in the upper left, you'll see either "Speaker View" or "Gallery View," click to switch. In Gallery View, you see Hollywood Squares. In Speaker View, the person talking fills your screen. You can switch back and forth.

Mute/Unmute. Look in the lower left corner of your screen for a wee microphone, here you can Mute your sound, and Unmute. Switch back and forth to see how it works; in many setups, the space bar acts as a "press to talk" switch.

Smartphones will show a bigger better picture if you turn them sideways.

More Zoom controls appear as icons on the bottom of the screen. You can experiment with them.

Exit. Click "Leave the Meeting," in red at lower right, to end the session.

See you at the virtual meeting!

A Resolution

To temporarily amend Article VIII, Section 6 of the Bylaws of the Willamette Valley Woodturners

The current CoVid-19 restrictions imposed on the Willamette Valley Woodturners have made it difficult to assemble a new potential slate of club officers for 2021. This resolution proposes to temporarily suspend the term limits imposed by our current Bylaws, permitting existing officers to serve a maximum one additional term of office beyond the limit of two terms. The Board discussed this proposal at the last Board meeting, and recommends adoption by the membership.

Nothing in this proposal prevents any interested club member from being nominated for any Club office, and the Board strongly encourages this participation.

This resolution will be made and voted on at the September 2020 meeting, after which a proposed slate of officers will be presented to the membership. The vote on the 2021 club officers will be held at the October meeting, either online or in person.

Please contact me if you are interested in serving in any capacity on the Board of Directors.

~~ Jeff Zens

A Shitload of Balusters or Happy 160th Birthday to the Historic Brunk House Farm

So, let's say that you have a really old historic farm house and it needs some serious refurbishment. Case in point, the Historic Brunk House Farm, 159 years old this year; it sits at the corner of Route 51 and Route 22 in West Salem. The old deck is falling apart, the upstairs balcony is a disaster and some of those parts, like the balusters, are just not available at the local Home Depot. What will you do?

One solution is to solicit help from your local craft organization, in this case the Willamette Valley Woodturners. Those guys are always doing stuff for the local community, and they work really cheap, free even.

What's a baluster, you ask? One of a group of decorative spindles that hold up a railing. Making one or two to match the ones that are already in place is not too big of a deal. When you need 60 or so of those guys, all alike and nicely crafted, Jim Devorss, Terry Gerros and Paul Hirt are your guys. Thanks, fellows for making us all look good.



Membership Rewards

Chain Sharpening Service from [Jeff Zens](#)

I have recently purchased an electric chain sharpener and can accurately sharpen your chains and adjust your depth stops for your saw chains. This will restore the chain to “factory-new” condition. Most chains can be sharpened for \$10.00, but longer chains or badly damaged chains might be a little bit more. This service is only available for club members.

Library

A friendly reminder to members with books and/or videos checked out from the library. Please return them at this next meeting.

Wood Gathering

Sign-up sheets will be available to indicate your availability to help with wood gathering. Anyone who learns of a tree or log that is available to the club should notify Gary Dahrens, (503) 260-9778. .

From Terry Gerros

I am a distributor for Stick Fast CA glue, Sharpfast Sharpening systems, the Holdfast vacuum chucking system and Saburrtooth Carving bits. If you have an interest in these products, give me a call or send me an [email](#) for details.

Supplies

The club purchases a few supplies in bulk and sells it to members at club cost. We routinely have superglue (\$5), black or brown superglue (\$10) accelerator (\$10) and Anchorseal (\$9/gal). The club has a small supply of half round protractors (\$6) used to measure the angle ground on a tool, and depth gauges (\$5). HSS Round Tool Bits rods (1/4" x 8") are also available (\$3). Jerry Lelack will have the resale items available at the meetings, except for Anchorseal which is available through [Jeff Zens](#). You will need to bring your own gallon jug; contact Jeff to make arrangements.

Club Member Discounts

- **Craft Supply:** The club’s order will be going out on the Monday following our Club Meeting if our order equals or exceeds \$1,000. Craft Supply gives us a 10% discount plus free shipping on all items, and occasional additional discounts on certain other items and quantity purchases. If you order from the sales items, you will receive the club discount in addition to the sale discount, making many items available at very attractive prices. For detailed instruction for ordering see the article in the [November](#) 2015 Burl. Questions? See [Jeff Zens](#)
- Club members are registered with **Klingspor’s Woodworking Shop** at www.woodworkingshop.com or 800-228-0000, they have your name and will give you a 10% discount.
- If you show your club card at checkout time to the cashier at **Woodcraft** in Tigard they will give you a 10% discount (May not apply to some machinery).
- **Exotic Wood** is offering a discount of 15% off any orders placed at: www.exoticwoodsusa.com. (This includes sale items and free shipping on orders over \$300). Use promo code ewusaAAW
- **Gilmer Wood** now offers our club a 10% discount on purchases made there. If you haven't been to Gilmer’s, it is well worth the trip to Portland, if only to make your mouth water and make you cry if you leave empty handed.

Club happenings in our area

(Please visit the club's website listed below for additional information)

Northwest Woodturners (Beaverton, OR)

www.northwestwoodturners.com

Cascade Woodturners (Portland, OR)

www.cascadewoodturners.com

Beaver State Woodturners (Eugene, OR)

www.beaverstatewoodturners.com

Oregon Coast Woodturners (Newport, OR)

www.oregoncoastwoodturners.com

Southwest Washington Woodturners (Vancouver, WA)

www.southwestwashingtonwoodturners.com

South Coast Woodturners (Coos Bay, OR)

<http://southcoastwoodturners.com/>

The Burl is a monthly newsletter publication of the **Willamette Valley Woodturners**.....

Executive Board

President	Jeff Zens
Vice President	Marc Vickery
Secretary	Milt Engelke
Treasurer	Henrik Åberg
Past President	Darcy Tataryn
Board Position 1	Scott Morrison
Board Position 2	Jerry Lelack

Non-Executive Positions

Newsletter Editor	Henrik Åberg
Web Master	Ron Fox
Wood Gathering	Gary Dahrens

Librarians	Terry Gerros/Paul Hirt
Glue Sales	Jerry Lelack
Coordinators	Myron Yancey (Steam-Up) Paul Hirt (Mentors) Bob Hutchinson(State Fair)
Roster Editor	Henrik Åberg
Facilities	Open
Video	Jeff Zens Larry Curry Marc Vickery
Craft Supplies	Jeff Zens
Orders	

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Checks payable to: Willamette Valley Woodturners

Send changes to roster information (address, e-mail, phone#) to Henrik Åberg (henrikeaberg@gmail.com)

Send all other club correspondence to the clubs official address:

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