



Between Turns

Michigan Association of Woodturners

A chapter of the American Association of Woodturners

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AUGUST 2016

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August 2016

Gary Smith will be making a presentation on his techniques for segmented turning.

The MAW is meeting at the Rose Township Hall.

This is not the same building as

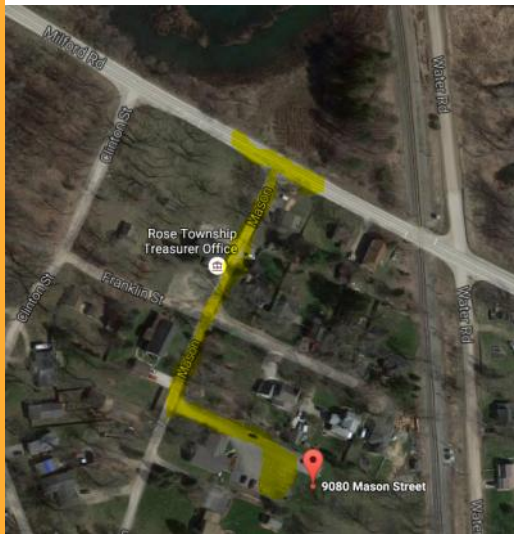
the Treasures Office. It is further down Mason Road from Milford Road and is on the Left side of the street.

Parking is in back and the entrance is thru the side door that you drove past. Be careful not to let the cats out.

The August Picnic was another fun event. The social time, sphere contest, top contest, and food were all great.

Thanks to Roby for organizing the food!

Bols for the food Bank will be collected at Septembers meeting.



The club meeting will be held at:

Rose Township Hall
9080 Mason Street
Holly, MI 48442

Off of Milford Road



Spheres turned for the Picnic Challenge

Upcoming Dates

2016 Tentative Meetings :

September 11, October 2, November 6,

December 4 Holiday Party

2016 Open Turning :

To Be Announced

-Meetings are held monthly on the first Sunday of each month from 1:00 pm - 3:00 pm

at Rose Township Hall

9080 Mason Street

Holly, MI 48442



Picnic

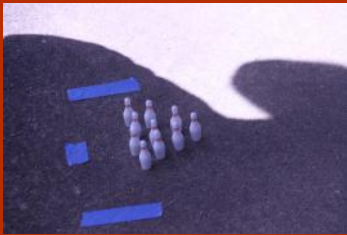
This years picnic events started with a sphere turning contest. Spheres were turn and rolled down a ramp. The first heat was judged on how far and straight the sphere rolled.



Pete's Poke-E-Ball was my favorite sphere. Jaydin really liked it.

Picnic

The second round the spheres were rolled down the same ramp with mini bowling pins set up. Bowling a strike was the object.



The sphere challenge was another take on the croquette event we held a few years ago..

Picnic



Please sign the gallery list so that credit can be given.

Picnic

The next activity was our standard top spinning contest.



While we are not collecting tops this year for Children's Hospital! Feel free to turn them for next year.

Picnic



Thank you everyone who participated and attended the picnic. A great time was had by everyone.

Coring System

Come to a mentor workshop and take advantage of the clubs Coring System. Coring a bowl allows you to turn several bowls out of a single piece of wood.

You can see Dave made 4 bowls and another small inner blank from his piece of wood. Turning a bowl the standard way would have resulted in one bowl.

This is useful when turning figured or expensive wood as you can turn multiple bowls for the cost of one bowl blank.

The Coring system is for the Powermatic lathe. Sign up with Dave Worden if you want to use the Coring System

Dave Worden
248-917-2822.



Making a flat spot on the tool handle will stop the tool from rolling off of the lathe bed or work table.

MAW Mentoring

The Michigan Association of Woodturners provides mentoring to members.

Opening Turning schedule will be published when it resumes.

- | | |
|-----------------------|--------------|
| Tom Mogford | 810-629-6176 |
| Pete Buccellato | 248-634-7622 |
| Bill Magee | 734-981-6117 |

Photo's

If you have digital photo's that you would like to have considered for use in the newsletter, please send them to the editor at:

Jeffatwayne@yahoo.com



Club Library

Dave Worden is our club's Librarian. Dave maintains the MAW's book's and DVD's. While we will be meeting at the Rose Township Hall Dave will no longer be setting out all of the material. Instead the library will run on a request system. Let Dave know what material you would like to check out and he will bring it to the next meeting if it is available.

Dave Worden 248-917-2822.

DVD's

LIBRARY NUMBER	TITLE	AUTHOR	NOTES
DVD501	Starting Wood Turning	Robert Sorby	
DVD502	Thread Cutting	Robert Sorby	Thread Chasing
DVD503	Eccentric Chuck Projects	Robert Sorby	
DVD504	Specialist Wood Turning Tools Pt I	Robert Sorby	
DVD505	Specialist Wood Turning Tools Pt II	Robert Sorby	
DVD506	Handcrafted Pens (The Basics)	Penn State	Pens
DVD507	Pocket Hole Jig Basics	Penn State	
DVD508	Easy Coring System & Wolverine Grinding Jig (2 copies)	Oneway	Sharpening and Techniques
DVD509	Easy Core System	Oneway	Coring
DVD510	Wolverine Sharpening System	Oneway	Sharpening and Techniques
DVD511	The Discriminating Woodworker Vol. I	Laguna Tool	
DVD512	The Discriminating Woodworker Vol. II	Laguna Tool	
DVD513	The Professional Woodworker	Laguna Tool	
DVD514	Wood Burning with Cheryl Dow Disc 1	Cheryl Dow	Wood Burning
DVD515	Wood Burning with Cheryl Dow Disc 2	Cheryl Dow	Wood Burning
DVD516	Wood Turning (Bowls) Vol. 3 2-Disc Set	Steve Russell	Bowls
DVD517	Wood Turning (Pens) Vol. 2	Steve Russell	Pens
DVD518	Wood Turning Vol. 1 & 2 (CD Rom eBook)	Steve Russell	
DVD519	The Basic Box	Ray Key	Boxes
DVD520	The Finial Box	Ray Key	Boxes
DVD521	The Capsule Box	Ray Key	Boxes
DVD522	Bowl Turning	Del Stubbs	Bowls
DVD523	Turning Boxes	Richard Raffan	Boxes
DVD524	Turning Wood	Richard Raffan	
DVD525	Turning Projects	Richard Raffan	Projects
DVD526	Two Ways to Make a Bowl	Mike Mahoney & Stuart Batty	Bowls
DVD527	Beginning Spindles to Bowls	Joe Ruminski	Spindles and Bowls
DVD528	Intro to Segmented Turning	Curt Theobald	Segmented Turning
DVD529	Turning Boxes and Other Projects	Bonnie Klein	Boxes
DVD530	Turn Around	Jimmy Clewes	

Club Library

DVD's Continued

LIBRARY NUMBER	TITLE	AUTHOR	NOTES
DVD531	Turn It On Vol I	Jimmy Clewes	
DVD532	Turn it On Vol II	Jimmy Clewes	
DVD533	Turn it On Vol III	--MISSING--	Checked out/not returned
DVD534	Turn It Up Vol I	Jimmy Clewes	
DVD535	Turn It Up Vol II	Jimmy Clewes	
DVD536	Turn It Up Vol III	Jimmy Clewes	
DVD537	Creating "Outlay" from Inlays	Larry Fox	Techniques
DVD538	Wet Turning with a Difference	--MISSING--	Wet Turning
DVD539	Bowl Turning	--MISSING--	Bowls
DVD540	Build Elegant Kaleidoscopes (includes Book-let)	James Duxbury	Projects
DVD541	Fancy Vignettes and Christmas Ornaments	Ron Brown	Christmas Ornaments
DVD542	This number available for re-use		
DVD543	Ron Brown Extras	Ron Brown	
DVD544	Vessels of Illusion	Trent Bosch	Techniques
DVD545	Sculpting Wood Beyond the Lathe	Trent Bosch	Techniques
DVD546	Using the Penn State Duplicator on Your Lathe	Penn State	Techniques
DVD547	Simplified Fluting	Al Caton	Techniques
DVD548	Woodturner Pro (Demo Program)		Software & Techniques
DVD549	Easy Rougher Tool Demo	Easy Tools	Tools & Techniques
DVD550	Wood Turning Plain and Simple	Jim Greenwood	
DVD551	Back to Basics	Jimmy Clewes	
DVD552	Turning the World Vol I	Jimmy Clewes	
DVD553	Turning the World Vol II	Jimmy Clewes	
DVD554	Turning the World Vol III	Jimmy Clewes	
DVD555	Woodturning Projects Vol I	Rex & Kip	Projects
DVD556	Woodturning Projects Vol II	Rex & Kip	Projects
DVD557	Woodturning Projects Vol III	Rex & Kip	Projects
DVD558	Woodturning Projects Vol IV	Rex & Kip	Projects
DVD559	How to Begin Airbrushing	Createx Colors MI	Airbrushing
DVD560	Sharpening Demystified Copy 1	Kirk DeHeer	Sharpening.
DVD561	Sharpening Demystified Copy 2	Kirk DeHeer	Sharpening.
DVD562	Yo-Yo Turning	Ed Davidson	Projects
DVD563	Binh Pho Surface Desiogn	Binh Pho	Techniques
DVD564	Binh Pho Thin Wall Turning	Binh Pho	Techniques

Club Library

DVD's Continued

LIBRARY NUMBER	TITLE	AUTHOR	NOTES
DVD565	Fabulous Finial Box	Cindy Drozda	Boxes
DVD566	Woodturning Workshop #121 Mallet Woodturning Workshop #104 Cocobolo	Woodturning Workshop	Projects
DVD567	Gavel	Woodturning Workshop	Projects
DVD568	Turning Acrylic Materials	Barry Gross	Pens
DVD569	Turned Bowls Made Easy (Disc may be damaged) Projects Along the Wood Turning Trail (2 disc set)	Bill Grumbine	Bowls
DVD570	Bowl Basics the Easy Way (2 disc set)	Alan Lacer	Projects
DVD571	Essential Woodworking Techniques	Lyle Jamieson	Bowls
DVD572	Sharpen Less - Turn More	Woodworker's Guild	Techniques
DVD573	Skill Building Projects (copies 1 & 2)	Tormek	Sharpening
DVD574	Segmented Woodturners	Mark St. Ledger	Projects
DVD575	Woodturning Christmas Ornaments Vol 5	Arrowmont Symposium	Segmented Turning
DVD576	Woodturning Christmas Ornaments Vol 6	Rex & Kip	Christmas Ornaments
DVD577	The Skew Chisel	Rex & Kip	Christmas Ornaments
DVD578	Making a Pepper Mill	Alan Lacer	Techniques
DVD579	Finial Star DVD	Ted Sokolowski	Pepper Mill Project
DVD580	Elegant Finials	Cindy Drozda	Projects
DVD581	Hollow Forms and Urns	Cindy Drozda	Projects
DVD582	Heirlooms - Making Things That Last	Mike Mahoney.	Hollow Forms
DVD583	Metal Spinning	Mike Mahoney	Projects
DVD584	Blind Boring	Penn State	Techniques
DVD585	Jimmy Clewes Demo Pictures	Gary Weiermiller	Techniques
DVD586	Woodburning, Airbrushing, Texturing & Creating Two-Piece Hollow Forms	Gary Smith	
DVD587	Mastering the Large Captive Boring Bar	Brian McEvoy	Techniques
DVD588	Bowl Basics	Brian McEvoy	Hollow Forms
DVD589	Wood Turning with Alan Lacer	Brian McEvoy	Techniques
DVD590	Seasoning for a Textured Bowl	Mike Mahoney	Bowls
DVD591	Decorative Utility Bowls	Alan Lacer	Projects
DVD592	Open Bowls Copies A and B	Mark Sanger	Bowls
DVD593	Hollow Turning Copies A and B	Trent Bosch	Bowls
DVD594	Ellsworth Signature Gouge Copies A and B	David Ellsworth	Bowls
DVD595	Tips for Turners for Hollow Turning Copies A and B	David Ellsworth	Hollow Forms
DVD596	Mastering Woodturning Tools and Techniques	David Ellsworth	Tools & Techniques
DVD597		David Ellsworth	Hollow Forms
DVD598		Glenn Lucas	Techniques

Club Library

DVD's Continued

LIBRARY NUMBER	TITLE	AUTHOR	NOTES
DVD599	The Art of Hosaluk	Michael Hosaluk	Techniques
DVD600	Segmented Woodturning: Vol I Getting Started	Malcolm Tibbets	Segmented Turning
DVD601	Seg. Woodturning: Vol II Tips, Tricks & Fea-	Malcolm Tibbets	Segmented Turning
DVD602	Segmented Woodturning: Vol III Exploring	Malcolm Tibbets	Segmented Turning
DVD603	2006 National Symposium Snapshots	AAW	
DVD604	Woodturning: Fundamentals of Sharpening	AAW	Sharpening
DVD605	Bottle Stoppers Quick and Easy	Ron Brown	Projects
DVD606	The Son of Skew	Alan Lacer	Projects
DVD607	Elliptical Turning: An Introduction	David Springett	Tools & Techniques
DVD608	Christmas Tree Topper	Tim Yoder	Christmas Ornaments
DVD609	Turning for Fun and Profit	Nick Cook	Projects
DVD610	Turning for Food: Kitchen Related Projects	Nick Cook	Projects

Book's

LIBRARY NUMBER	TITLE	AUTHOR	NOTES
Book701	Eccentric Chuck Projects	Robert Sorby	Projects
Book702	Proedge	Robert Sorby	sharpening
Book703	Woodturning Notes	Alan Batty	
Book704	Lathe + 158 Turned Objects	MISSING	
Book705	Insights and Inspirations in Contemporary Turned Objects		
Book706	International Lathe-Turned Objects Challenge IV		
Book707	International Lathe-Turned Objects Challenge V		
Book708	Turning In Context		
Book709	Cabinets of Curiosities		
Book710	Nature Transformed	Bohlen Collection	
Book711	Making Wood Boxes with a Bandsaw	Tom Crabb	Boxes
Book712	The Practical Wood Turner	F. Pain	
Book713	Harvesting Urban Timber	Sam Sherrill	
Book714	The Lathe Book	Ernie Conover	
Book715	The Craftsman Wood Turner	Peter Child	
Book716	Turning Miniatures in Wood	John Sainsbury	Miniatures
Book717	Woodturning in North America since 1930		
Book718	24 Woodturning Projects	Percy Blandford	Projects
Book719	Wood Turners' Project Book	Phil Jones and Charles Mercer	Projects

Club Library

Books's Continued

LIBRARY NUMBER	TITLE	AUTHOR	NOTES
Book720	Wood Burning with Cheryl Dow Vol 1	Cheryl Dow	Wood Burning
Book721	Wood Burning with Cheryl Dow Vol 2	Cheryl Dow	Wood Burning
Book722	Wood Burning with Cheryl Dow Vol 3	Cheryl Dow	Wood Burning
Book723	Wood Burning with Cheryl Dow Vol 4	Cheryl Dow	Wood Burning
Book724	Projects for Wood Turners	Chris Child	Projects
Book725	Woodturning Tips and Techniques	Carol Rix	Techniques
Book726	Woodturning: Two Books in One	Phil Irons	
Book727	Woodturning with Ray Allen	Dale Nish	
Book728	Beautiful Wood	F. Paxton Lumber Co.	
Book729	Pen Turners Workbook	Barry Gross	Pens
Book730	Creative Woodturning	Dale Nish	Techniques
Book731	Understanding Wood Finishing	Bob Flexner	Finishes
Book732	number available for re-use		
Book733	Modern Woodturning	Gordon Stokes	
Book734	Richmond Symposium 2008		Demonstrator Handouts
Book735	Vacuum Kiln Drying for Woodworkers	Joshua Salesin	Drying
Book736	Tops: Making the Universal Toy	Michael Cullen	Projects
Book737	The Art of the Dot	R. Paschall & Anderson	Airbrushing Series
Book738	Airbrushing	Radu Vero	Airbrushing Series
Book739	Pinstripping	John Hannukaine	Airbrushing Series
Book740	Airbrushing for Fine & Commercial Artists	Robert Paschall	Airbrushing Series
Book741	Airbrushing Techniques for Custom Painting	Badger	Airbrushing Series
Book742	Turning Projects	Richard Raffan	Projects
Book743	The Practice of Woodturning	Mike Darlow	
Book744	The Art of the Lathe	Patrick Spielman	
Book745	Make Money from Woodturning	Ann & Bob Phillips	
Book746	Turning for Furniture MISSING	Ernie Conover	
Book770	Woodturning Christmas Ornaments	Dale Nish	Christmas Ornaments
Book771	Turning Salt and Pepper Shakers and Mills	Chris West	Projects
Book772	Turning Green Wood	Michael O'Donnel	
Book773	Woodturning Techniques	Mike Darlow	Sharpening and Techniques
Book774	Segmented Bowls	Don Jovag	Segmented Turning
Book775	Ellsworth on Woodturning	David Ellsworth	
Book776	Turned Boxes: 50 Designs	Chris Stott	Boxes
Book777	Turning Custom Duck & Game Calls	Ed Gleen and Greg Keats	Projects
Book778	Woodturning Music Boxes	James A. Jacobson	Projects
Book779	Woodturning Spindle Projects	Alan Holtham	Projects
Book780	Scrollsaw Puzzle Patterns	Patrick & Patricia Spielman	Projects
Book781	Scrollsaw Handbook	Patrick Spielman	
Book782	AAW Pittsburgh Symposium Handout 2015	AAW	

You know what they say about idle hands...

This spring, I got to thinking about doing a Navaho border pattern for a new project. I started playing with the cutting angle and make up of the diamond, the width of the slice, and the size of the saw kerf. In doing so, I came to realize that there's an awful lot of variability in the result that comes from being able to change each one of these items. So many were the variations, and the results differed so much from the starting point, that I came to the decision that I needed to put together a model of the process. A model so I could see what was going on. And, when you have a model, you get to make the rules. Did I say rules? No, I meant to say no rules. The border pattern is usually made with a double border. But what would it look like with a single border or a three-part border? Wow! Here are four examples to show what I mean:

Starting Diamond Sliced Result

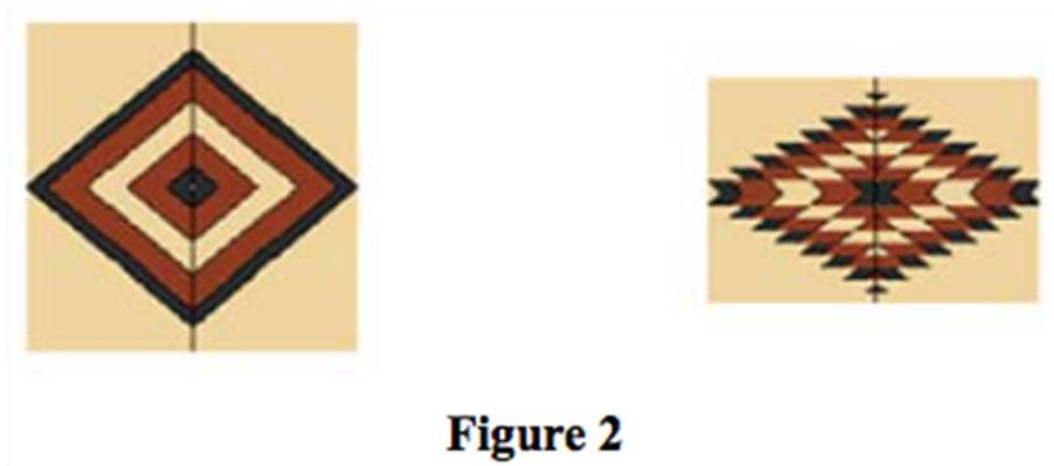
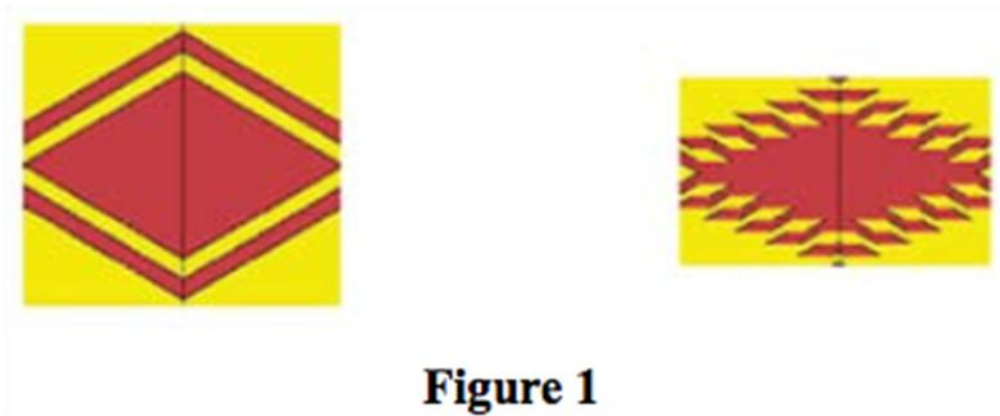




Figure 3

Figure 1 is a 30 degree diamond with a double border. The slices, 1/8" thick, are cut with a band saw. It results in a kind of snowflake appearance because the inner border color matches the surrounding material. Figure 2 is a 40 degree diamond with no distinct borders; just color and contrast. Again the slices are 1/8" thick and cut with a band saw. The result is truly wild. Figures 3 and 4 are 45 degree diamonds with a single border. The border is narrow in Figure 3, 1/8", while it's 1/4" in Figure 4. So, how does one go about constructing such complex segments? Read on...

Start by assembling the lamination board. For this step it is important to mill all the stock to the same width, which makes it much easier to get everything lined up. The first wood is the middle, which is then flanked on either side by the next wood, which is then flanked on either side by the next wood, and so on. You should end up with something that looks like this:



Now set up your saw for making cuts at the angle specified in your design. For this one, it's 30 degrees. Also set up a stop block so that all the strips will be cut at the same width. And, be sure the saw blade is 'dead on' vertical. The lamination board needs to be as long as needed for the strips plus some extra for safe handling during the sawing operation. After sawing, you now have this assembly of pieces:



Now take alternating strips and turn them over (left to right or right to left) and you have the Diamond pattern shown below. At the least, you now need to glue the strips into pairs. But for safety in processing, it's a good idea to then assemble the pairs together temporarily using hot melt glue or an equivalent. Do this against a straight edge so you can be sure that all the points line up. If they don't, you won't be able to get the points to line up in the ring you later construct from the Diamonds.

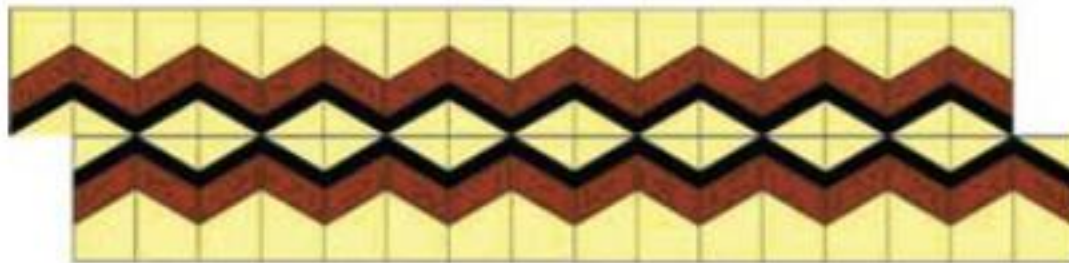
Making a Walking Stick, Fred Holder



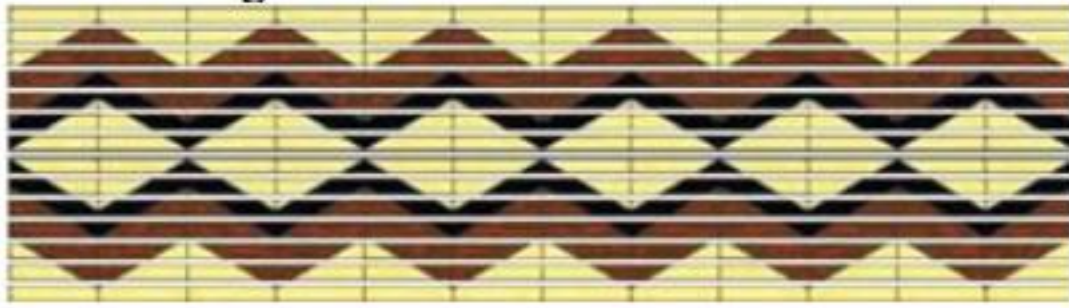
Now you have a set of ZigZags from which you make Diamonds. But first trim off any excess material from the top and bottom of the design.



Now locate the exact center (vertical) of the design and cut the entire assembly into two horizontal halves and slide the top/bottom to the left/right to reveal the diamond pattern. Phew! Now we can finally start slicing.

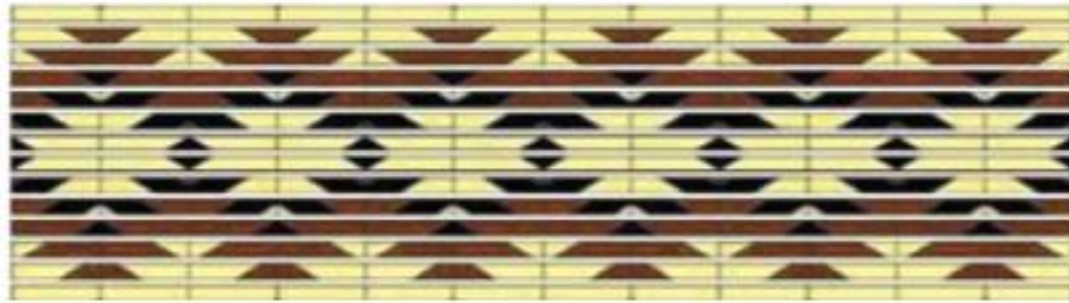


Set up your slicing situation with a sawing fence with the appropriate spacing between the fence and the saw blade. Starting from the center of each half, slice away until you have exhausted the stock. Do this for both the top and bottom halves. Oh!, and keep track of which slice goes where.



Now, flip each slice over, top-to-bottom.

Last step! Carefully glue all the slices together, taking care to keep the pieces vertically aligned. One way to do this is to clamp blocks across the ends of the slices. This will keep things from moving around as you clamp along the strips. You can't use too many clamps for this activity. With a good slicing blade and really hefty clamping pressure, you'll find that there is no need to sand the slices before gluing.



All that's left to do now is make the pieces into segments. That's likely a two step process as you first need to break the glue-up down into segment blocks and then make the miter cuts. The trick here is to be sure that you make the miter cuts so that the two halves of each Diamond unit are identical. Otherwise you won't be able to get the points to line up in the ring. Now, you're almost ready to go off and try this out for yourself. And to make sure you really can, and do it easily, I've created a new designer as a Plug-In for my Segmented Project Planner that does it all with Diamond design, slicing, and detailed construction instructions (you just read them). Want to slice something else? Well, there's also a pure Slicing designer, as well, that helps you to slice virtually anything you can construct.

About the Author:

Bill Kandler is an accomplished segmented turner and designer of some Segmented Turning software program. For more information contact:

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