THE
Woodrack
May 2023

The LIW presents the first

Roubo Folding Bookstand Workshop

Saturday June 3rd, 9 am to 2 pm
Brush Barn

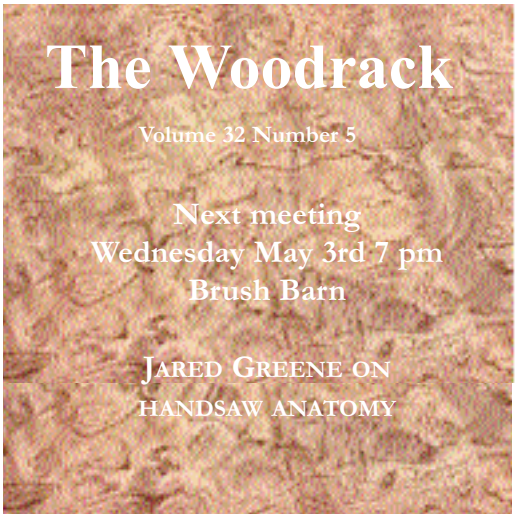
OUR WEEKEND WORKSHOPS ARE BACK!!!

The LIW presents the

Dovetail Workshop

Saturday May 6th, 9 am to 2 pm
Brush Barn

This Month:



Secretary's Notes — Michael Mittleman

LIW President Mike Daum called the April 5th General Meeting to order at 7:20 PM. The session was in-person at the barn and live-streamed via Zoom.

Announcements Mike D. opened the meeting by updating members on the status of the LIW contract with the Smithtown Historical Society. We did sign a 2023 contract. As with last year, there will be no barn availability for the General Meeting in November, December, and possibly early January 2024.

The annual LIW picnic is scheduled for June 7th. Volunteers will be needed. Specific needs will be discussed at the May meeting.

Mike and Bill Leonhardt provided an update for the Annual Show. Set up will be on Friday, September 8th. The show will be on September 9th and 10th. We must be cleaned up and on our way by 5 PM on Sunday, September 10th. Start working on your projects now.

Dues are payable now for 2023.

New Members Brian Wright was introduced. Brian lives in Coram. His woodworking interests include turning and cabinetmaking. Another new member is Kevin Durk. Kevin lives in Port Jeff, and he has a focus on cabinetmaking. Be sure to meet Jim Moloney and Ben Nawrath, SIG presidents for the woodturners and cabinetmakers, respectively. Gentlemen, welcome aboard.

Membership Report Membership Joe Bottigliere reported ten new members but stated that overall, the LIW rolls are down compared to last year.

Treasurer's Report Steve Fulgoni was absent, so no report was available. However, Mike D. indicated there were no notable outlays.

Other Business

LICFM Meeting, Ben Nawrath, SIG Pres., 04/11/2023. Bill Leonhardt will provide a presentation on workbench construction.

LIWG Meeting, Jim Moloney, SIG Pres., 04/13/2023. Steve Maiele will do a presentation on MIlliput putty inlays.

LISA Meeting, Patti Lerner, SIG Pres., 04/20/2023. We will be painting the wood flowers we've cut out to donate to St. Johnland Nursing Center for Mother's Day.

SSOW Meeting, Frank Napoli, SIG Pres., 04/25/2023. We will have open individual carving.

Demonstration Dovetail Joinery

Dean Dauplaise provided a lively presentation on hand-cut dovetail joinery. Dean prefers to start with the pins because he finds them more straightforward to lay out. He went on to cut pins first and tails first through dovetails. Dean followed that with half-blind joinery. All of this activity was performed live while simultaneously explaining each step. In every case, the result was tight-fitting no, gap dovetails.

The video is available on the LIW website for any member who missed the demonstration.

Dean, you gave us a joinery masterclass. Thank you,

Upcoming Events

The next Board Meeting will be at 7 PM on April 17, in person, at the Hauppauge Palace Diner.

The next General Meeting will be at 7 PM on May 3, 2023, in person, at the Brush Barn. The presentation will be by Jared Greene on handsaw anatomy and usage; check out his website, https://www.jgreenesaws.com/.

LIW Vice President Corey Tighe has announced a dovetails workshop. It is scheduled for Saturday, May 6th, at the Brush Barn from 9 AM to 2 PM.

Flyers are included in the newsletter.

The meeting adjourned at 9:10 PM.

Editor's Note: The roubo bookstand workshop was not mentioned at the meeting, so is not in the minutes, but has been planned since then. As noted in the minutes, flyers for both Satureday workshops are in this newsletter

The LIW presents the

Dovetail Workshop

Saturday May 6th, 9 am to 2 pm

Brush Barn

Come on down the 6th of May to debunk the dovetail joint. You will have the opportunity to make quite a few dovetail joints with the wood provided on that day and enjoy the day with fellow woodworkers.

You will need to bring some sort of workbench (WorkMate, Moxon vise, portable workbench), a set of chisels, dovetail saw, mallet, coping saw/fret saw, marking gauge, marking knife & dovetail marker. If you do not have some of these tools, there will be some extras around to share.

There will be a charge for this class, space is limited and non-members are welcome, but must pay an additional small fee. If you are interested, please contact Corey ASAP.

Corey: corey@ct-woodwork.com

Price: $35 for members $40 for non members $45 for walk ins

Since we are providing the wood, we may have to turn you away if you walk in; a spot is not guaranteed without a precious sign up and check.

Name: _____ Email: _____

Member: YES NO Cell Phone: _____

One form for each person. Please either email for information to Corey, or mail to:

Corey Tighe 150 Hewlett Ave. East Patchogue, NY 11772

The LIW presents the first

Roubo Folding Bookstand Workshop

Saturday June 3rd, 9 am to 2 pm

Brush Barn

All details to follow as they are planned, but you will be building at least one Roubo cellphone or bookstand (or maybe both if you are nice and not naughty).

We will provide the expertise (the two leading Roubo Bookstand experts west of the Pecos, Ben Nawrath and Daryl Rosenblatt will be there to lend their many decades of experience and brilliance), and the wood. You will need to bring your own tools which will include already sharpened chisels and some form of workbench, WorkMate or similar. A full tool list will be sent to all who sign up.

There will be a charge for this class, space is limited, and non-members are welcome, but will have to pay an additonal small fee. If you are interested, please contact either Ben or Daryl ASAP.

Ben: bennybmn@hotmail.com Daryl: darylmros@gmail.com

Price: $35 for members $40 for nonmembers Walk-Ins $45
Checks payable to the Long Island Woodworkers

Since we are providing the wood, we may have to turn you away if you walk in; a spot is not guaranteed without a previous signup and check.

Name:_____ Email:_____
Member?_____ Cell Phone _____

One form for each person. Please either email the information to Ben or Daryl, or mail to:
Daryl Rosenblatt 139 Chestnut Road Manhasset NY 11030

LICFM

Bob Wood

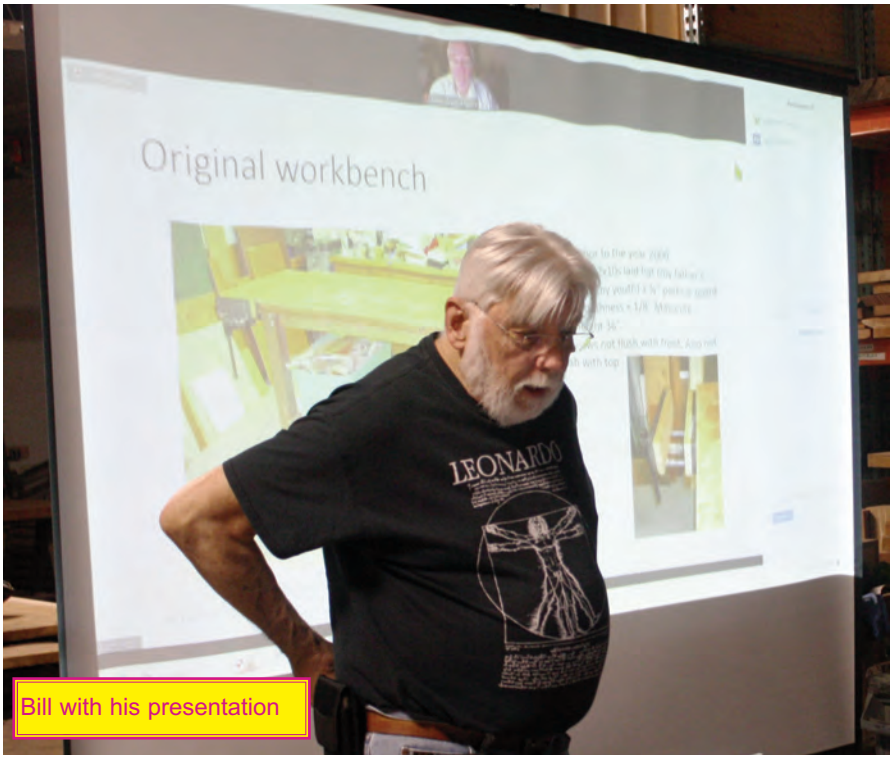
Announcements The April 11th meeting began with the reminder of the "Show" on September 9th and 10th at the Cradle of Aviation. The workshop will be held at the Brush Barn in Smithtown on June 3rd, beginning at 9 AM. There will be a Roubo class on constructing a cell phone or iPad stand. The cost will be $35 and will include lunch. Signup sheets are available on the LIW website, https://liwoodworkers.org/.

Presentation Bill Leonhardt was the speaker of the evening. The topic was his new workbench and the design features and thought processes that Bill incorporated into his build.

Bill explained that he started with his father's workbench, three 2 X 10's laid flat, and 4 X 4 legs. He covered the top with particle board and Masonite to make it smooth, and he stiffened up the legs so that the bench would perform better. For Bill's new bench, the construction material was ash, obtained from Urban Specialty Woods, and was provided with one clean edge and face milled. All the ash was 8/4 and chosen because it is heavy, durable, easy to machine, light in color for reflection, and much less costly than maple.

The height of the bench was the first consideration. Bill modified his original bench height until he was satisfied with the final height. Before replacing his father's original workbench, Bill studied many books, such as Christopher Schwarz's The Workbench Design Book and Jim Tolpin's The New Traditional Woodworker, for sizing. Additionally, Bill found a website (https://www.byhandandeye.com/sizing-workbenches/) which he found helpful. Bill visited several woodworkers to see their benches. Bill looked at various designs such as the Roubo, Nicholson, and European in his research. These sources were also used for ideas on the rest of the bench, not just the optimal height (which came out to be 34 ½ inches). Bill frequently referred to Chris Schwarz's book, which offered much versatility. The presentation is recorded and can be found on the LIW website.

Vises, both end and leg types, were the next step. Bill wanted to use the original vise from his father's bench. A leg vise was also a desired addition.



Bill with his presentation

The design was a study of the old bench to see what improvements and changes would be included in the new bench.

Bill considered three approaches for the leg vise and settled on one used by former LIW member Frank Pace, who had built a bench using a precision shaft and a linear bearing at the bottom of the leg vise. Bill went with that design but used a larger 30 mm diameter shaft.

The tool tray was the next part of the plan. Bill explained that there were two halves to the top. A space in the middle would be ideal for a tool tray. Bill built the base to be square, flat, and independent of using the benchtops for its structural rigidity. So, if later, Bill wanted to reposition the tops, he

could move them together with a smaller gap. The tool trays can be turned over for a completely flat top working surface.


The Bench

The baseline design was taken from Robert Lang's article in Popular Woodworking magazine and repeated in the Schwarz book. Bill used the web for other bench construction ideas. He found Nick Pelliccione from Brooklyn and contacted him. Bill visited him, looked at his bench, and then arranged for him to present to the club in 2015. The original design is from drawings that can be downloaded from the Popular Woodworking site. The design includes a dovetail lap joint and through tenons on the long stretchers. Bill had reservations about that structure because he wanted to be able to disassemble this bench in the future. He decided to use more conventional bolts with cross nuts. Therefore, the original design had to be adjusted to accommodate this and locate the leg vise properly. Bill had to move the leg positions to accommodate the overhang on one end for the tail vise. The difference between the baseline plans and Bill's was an overall length of 75 versus 96 inches, plus a few other refinements. This design change meant three tool trays instead of four. Bill used knock-down hardware with sub tenons which are detailed later.

Bill made the tops first. He planed the boards and then ripped them to width. He carefully chose the edges to be on top and used the "skinniest" boards to determine the depth (thickness) of the top. Bill glued two to three pieces simultaneously, using Tite Bond II as the adhesive. Each half comprised seven boards and finished at about 11 ¾ inches wide. Once the two halves for the top were done, Bill ran the halves through the planer to obtain a uniformly flat surface. Bill made a 96-inch table for the planer to help support the weight and minimize snipe. The ends of the tops were later cut to length with a circular saw and straight-edge guide.

The leg and end stretcher assembly was made from two boards each. The end stretchers and legs are sub-structures and are never taken apart. Mortises were made in the leg halves. The mortises in the outer leg portions were made using the router table and were squared using a chisel. Bill used a pattern bit to remove most of the mortise and cleaned the corners with a chisel. He cut the tenons oversized with shallow slots to accept wedges later. A plane was used to fit the tenons in the mortises.
The front and rear stretches were attached to the leg assemblies with long bolts and barrel nuts—the holes between the legs and the stretchers needed to line up. The bolts went into the long stretchers. Bill used Belleville washers (slightly conical and springy) under the bolt heads to adjust for seasonal wood movement.

Deep holes (3 ½ inches in the stretchers) were drilled in the legs and the stretchers with a counterbore (in the legs) for heads and washers. Using a jig that Bill found in Chris Schwartz's book, he could accurately align and drill the holes for the nuts and bolts. A Forstner bit was used to create the cross hole for the barrel nut.

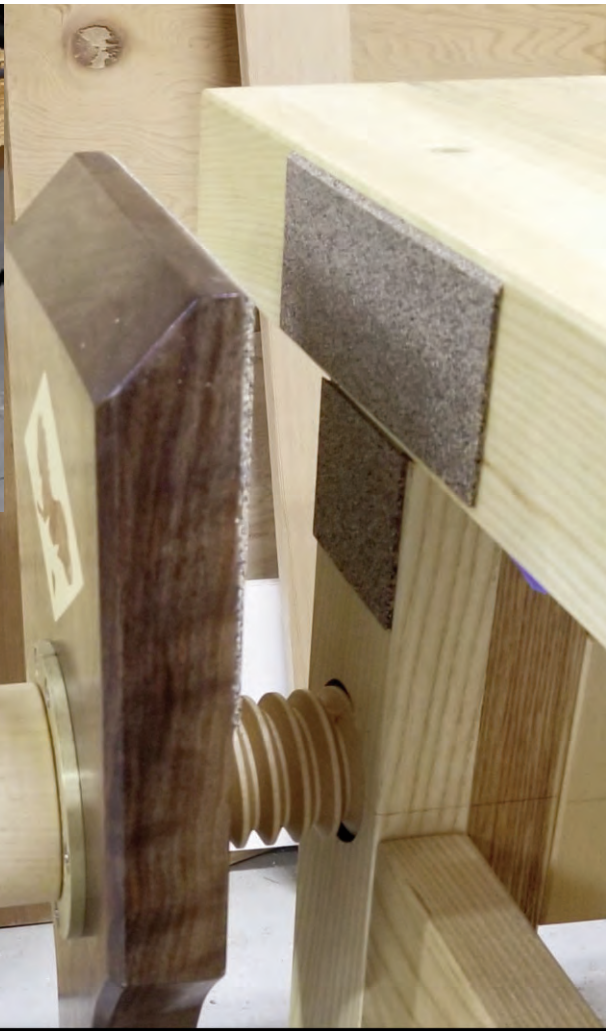

Bolts and barrel nuts attach legs and long stretchers

Next was the leg vise. One concern when using the leg vise is that it does not push the benchtop back off the leg assembly. To prevent benchtop movement, Bill put slots in the top of the legs and the bottom of the benchtop and made metal dominoes that fit in the slots, and aligned the top and legs. The tops and legs are also screwed together and can be unscrewed for disassembly.

Installing the leg vise was also an alignment project. First, the bottom part was a linear bearing and a precision shaft. Bill screwed the shaft to the leg vise top, which lined up the bottom part of the vise. The top part of the leg vise employed a Lake Erie Tool Works wooden vise screw and nut. Bill used a plywood jig, an adjustable auger bit, and a pattern bit for installation. He was able to make a hole and follow it around with a pattern-cutting bit with his router. To center the flange in the middle of the structural beam, Bill wrapped the flange with tape, and once centered, it was attached using flange screws. Next was aligning the vise itself to the flange.

The second-to-last step made the leg vise attachment was completed was to make dog holes in the benchtop. Bill wanted the holes to look nice near the surface, so he used a plunge router with a ¾ inch bit to go down a little more than an inch, which was only partially through the 3-inch-thick top. He then finished up with a spade bit. After that, Bill used a trim router with a chamfering bit and just kissed the edges of all the dog holes to get all the rough edges off. Bill used an indexing base to make the dog holes for both the top and the leg vise. The procedure produces a smooth surface to keep glue from sticking. The formula is 1/3 polyurethane, 1/3 boiled linseed oil, and 1/3 mineral spirits; two coats were lightly "ragged" on. The bench surface finish was from one of Christopher Schwarz's books.

Thanks to Bill Leonhardt for a detailed and informative presentation.



Top: Aluminum dominos connect tops and leg assembly

Right: Leg vise with precision shaft and linear bearing in use

Turner's Guild

Bob Lerner

The April 13th meeting was called to order by President Jim Moloney at 7:20 PM.

Announcements

The AAW Symposium will be June 1st – 4th in Louisville, KY.

The Mid Atlantic Woodturners Symposium will be held Sept. 22nd – 24th in Lancaster, PA.

Totally Turning in Saratoga had fewer vendors than in the past.

Gary Mayhew is having embroidered patches made for sale.

Joe Pascucci is having our embroidery shop do the setup for embroidering the tree logo on merchandise.

Jim and Mike received an email from the Stony Brook University School of Dentistry Dean. This was the email:

I'm hoping you can help me with a project that we're working on here at the school.
Many universities around the world use what's called a mace at their commencement ceremonies as a symbol of tradition and distinction. Perhaps you have seen one or even made one!

I'm reaching out because the dental school here at Stony Brook is celebrating our 50-year anniversary this year, and we'd like to have a mace created in time for our celebration on September 9. This mace would be made of wood and perhaps include some kind of metal or glass ornament at the top. Additionally, we are hoping to have small engravings that tie in our history (1973, School of Dental Medicine, our first dean's name, et al.).

Jim Maloney said this would be a good community project for us. It's mainly turning, but he thinks we can incorporate carving, scrolling, and even flat boarding. If you are interested in working on this project, please contact Jim.

Show and Tell

Barry Saltsberg – Pierced a very thin vase that Steve Fulgoni turned. He had another piece that was so thin that pieces broke off it. He named it Tattered Lace.

Gary Mayhew – Spalted Maple bowl with bow ties, finished with shellac and Mahoney's oil. A large lazy Susan with Wenge bow ties made from a maple cookie.

Rob Crespolini – Cherry bowl with lid. The lid was turned to be a plate, but his wife liked it as a lid. A lidded box made from a fence post. A 3-footed box. A burl live edge lidded box and an odd-shaped lidded box.
Rob DeMarco – Several vases he turned in for his niece's upcoming wedding. They were glued up. Some were made from padauk/wenge and spalted maple/walnut. He hollowed them with a Forstner bit to hold glass tubes.

Ed Piotrowski – A set of measuring cups and a set of measuring spoons. The handles were turned from Zebrawood. The finish was six coats of wipe-on poly.

Mike Josiah – A pierced holly platter. A vase that was glued up from 3 pieces of wood and pierced. A platter with a carved tree inlaid with stone. A platter with a holly inlay. A bowl with reeds carved in it.

Tony Fuoco – Seven pierced vases and bowls. Some of the woods used were walnut, cherry, ash, and maple. Tony said it's good to use dry wood so it won't distort and ruin the piercing.

Joe Pascucci – Bowl made from wood he got from Carl Sanger. It was punky, and had to use epoxy to fill in the weak spots. He applied blue dye and then tung oil. It was then polished using the Beale polishing system.

Upcoming Demos

May – Steve Maiele: Milliput epoxy putty
TBD - Steve Fulgoni: sharpening lathe chisels

Demonstration This was a hands-on meeting to discuss and try piercing turned objects. Several members brought in the tools they used to do piercing. They included the following:

A Ram Power Micromotor power carver that is capable of 45,000 RPM. It has a small motor in a lightweight hand-piece with a separate power supply/control unit. A variable-speed foot pedal can also be used.

An NSK air-powered tool that is capable of about 400,000 RPM. This tool is very light and controllable with min-imal vibration. A small air compressor set to about 35 PSI is required.

Dremel with and without a flexible shaft.

Cordless Dremel.

There were several types of bits available for piercing and carving. The attendees got to try out these tools.

Clockwise from top left:

Gary Mayhew, Robert Crespolini,
Mike Josiah and Robert DeMarco

LISA

Bob Lerner

President Patti Lerner called the April 20th meeting to order at 7:10 PM.

Announcements Once again, three of our members' work appeared in the Scroll Saw Woodworking & Crafts magazine. Joe Pascucci cut the seashell ornaments that were featured on the cover. We heard from an unnamed source that the hands were not actually Joe's. They brought in a hand model for the photo. Rolf Beuttenmuller cut the two-layer spiral fretwork clock. Bob Carpentier had his Flower Shelf-Sitter article included in the magazine. Congratulations to all!

Through the efforts of Bob Carpentier, the scrollers will again be exhibiting at the Hauppauge Library in May. Setup will be Sunday, April 30th at 12 PM, and breakdown will be Sunday, June 4th at 12 PM. A "Meet the Artist" reception will be hosted by the Scrollsaw SIG on Saturday, May 13th, at 3 PM. We will have wall hanging space in the large room and a glass showcase near the entrance. Everyone is invited and encouraged to display their work. It can include anything made with a scroll saw and marquetry.

We would like to get an early start this year making toys for the September show. We will be sending out plans soon by email for a sampling of toys that can be made. During the August meeting, we will attach wheels to the cars and wings to the airplanes.

Show and Tell Rolf Beuttenmuller showed his beautiful American Goldfinch bird Intarsia. He used a real branch for the bird's perch. The wood selection, cutting, and shaping were impeccable.

Jack Curio brought in a scrolled ice cream cone. It looked good enough to eat. I think it actually started to melt.

Joe Pascucci showed a very nice plaque of NASA's Artemis Rocket. He made it for his daughter-in-law, who, along with his son, works on the program in Houston.

Raffle Pam Urso – CA glue and accelerator kit

Demonstration No demo this month

Meeting Activity We painted the Mother's Day flowers that the SIG members cut and assembled. So far, we have 110 flowers that we will be donating to a nursing home over the next couple of weeks.

Monthly Challenge For May – make something for the kitchen—for example, a utensil, a sign, or a trivet.

Patti Lerner

Frank Napoli

Joe Pascucci's Artemis Placque

Lock, Stock & Daryl

Ben Nawrath, Michael Mittleman & Daryl Rosenblatt

Contributor: Daryl Rosenblatt
Website: YouTube
Presenter/Author: John Heisz
Links: https://www.youtube.com/watch?v=_T3GoD4ptsw
Description: I'm not reviewing this video for the cleverness of his bench dogs; that's fine. It's for his extraordinary lack of care regarding power tool safety. There are several guidelines that really should be entered into the Constitution:

Article One: Never rip without a splitter or riving knife.
Article Two: Never put your hands closer than 3 inches away from a powered cutter (or 12 inches for a shaper).
Article Three: Never finagle a cut on a table saw.

Mr. Heisz violates all three tenets of reasonable workshop safety, and I'm amazed he still has all his fingers. Enjoy this video. Scarily recommended.

Contributor: Ben Nawrath
Website: YouTube
Presenter/Author: Fisher's Shop
Links: https://youtu.be/WXQ707IvutI
Description: Recently, I built myself a flip-top tool stand, show n tell forthcoming. Part of my research/prep was to watch several YouTube videos, I mean who wouldn't right? Most of them are super similar, with what I consider to be awkward locking mechanisms. Not only that, I wanted to make a bigger one, so I needed a reliable way to lock down a potentially awkward rotating mass. I came across this video in my searches, and two things struck me. He limits the rotation to 180 degrees, which allows a positive stop, and the two tools he accommodates I wanted to put on ONE side of my stand, with my drum sander on the other. I also like his sarcasm I did not incorporate a central power cord, although I may retrofit something. I did, however, make a dust collection manifold between my two sanders! I made a few other adjustments to the design, aside from the size, and I'll go into those when I show pics at the club. In the meantime, I hope you enjoy this video, and if you're looking into making a piece of shop furniture like this, I highly recommend going pretty deep down the rabbit hole to make sure you see all the possibilities!

Contributor: Mike Mittleman
Website: https://www.youtube.com/watch?v=NMCsonHQRQk
Presenter/Author: Manually
Description: Process of Making Three-Portion Wooden Spring Tray

Description: I recommend a video where artisans use equipment not found in a US shop because of age and safety concerns. Yet, these makers produce a unique and complex product, a Three-Portion Wooden Spring Tray, an item I was previously unfamiliar with. Not even a vise is employed to hold the workpiece! Truly, necessity is the mother of invention. There is no safety equipment to be found. Yet, the craftsmen seem to possess all of their limbs and digits. Perhaps the video shows only the A-team workers. Such a shop would be closed immediately by OSHA in the US.

Contrast the methods and tools used in this video with the richly equipped workshops of the Wood Whisperer, Stumpy Nubs, and many other YouTube Super Stars, and perhaps your own. The annual per capita income in Pakistan is about USD 600. A SawStop industrial table saw with a 5hp motor and a sliding table is about USD 7,590 plus taxes and destination charges. That's almost 13 years of a Pakistani's income. BTW, Pakistan is where the Three-Portion Wooden Spring Trays in the video are made. And yet the dated equipment and dangerous working conditions produce articles of considerable complexity and artistry. Watch the video; be amazed.

A Tip from Charlie James

Outdoor furniture that touches the ground wicks up moisture which can cause premature rot, see the first picture. I couldn't find any that suited my purpose, The nails were too small to hold the pad, the screws were way too short or the pads themselves were too small. I made my own from scrap 1/2" lexan. I pre-drilled the holes through the plastic a little oversized so the stainless steel screws don't grip the plastic. I used a counter sink to set the screws below the surface. I coated the end grain of the wood with yellow type II glue as an additional barrier. Screws do not last long in end grain so I used dowels about an inch up to add extra gripping power and drove the screw through them. It helps a little to place the dowels so the screws drive into the side grain.



Puzzle

Michael R. Mittleman

Mama Mia! This One's Very Hard

Michael R. Mittleman

How to play: Complete the numerical grid so that every row, column, and 3 x 3 box contains all digits from 1 to 9.

				8			2	3
8		9	7				1	
	1					6		
9				4	7			
			5		1			
			2	6				4
		8					3	
	7				3	5		1
3	9			7				

C	R	U	M	B	S
R	E	S	O	R	T
A	V	E	N	U	E
T	I	S	A	N	E
E	L	U	D	E	D
S	E	P	S	I	S

Solution to April