

Sawdust Session #24: September 13, 2008

Topics: Replacing and repairing the major parts and sub-assemblies of the quill and quill feed inf an older Mark V headstock, making a finger plane, tips and techniques for biscuit joinery, and how to set up you Shopsmith for shaping.. Plus Drew's interludes (naturally).

1. Rebuilding the Quill and Quill Feed

Feed -- In *Part 4 of Shopsmith Reborn*, Nick shows how to replace the quill and the quill feed, how to replace or re-attach the quill spring, and how to re-tension the quill feed.



2. Making a Finger Plane

-- Many of you have asked about Nick's "violin plane" -- a handy tool if ever there was on. Unfortunately, there are hard to find and ridiculously expensive when you do. But here's how to make your own. **FREE PLANS!**



3. Setting Up the Shaper

-- You never knew you had so many shaping choices. You can shape with the Mark V horizontal or vertical, with our without a speed increaser, using a split fence or rub collars to guide your work. We demo all the options.



3. Drew's Interludes

-- Besides being an accomplished woodworker, Drew is also a very capable machinist, and he offers some sound advice for working with metals -- **Marking on Metals** and **Drilling Sheet Metal Safely**.

Sawdust Session #23: August 9, 2008

Topics: Replacing the major parts and sub-assemblies of the drive train in an older Mark V headstock, band sawing and air-drying your own lumber, digitally measuring the quill feed, and a simple storage system for small tools and parts. Plus Drew' gives advice on preventing insect damage when drying wood and protecting cutting edges when storing tools.

1. Rebuilding the Drive Train

-- In Part 3 of *Shopsmith Reborn*, Nick shows how to replace and adjust the belts, how to remove the shafts, and how to perform a high-speed adjustment.



2. Band Saw Lumbering

-- You can use your Band Saw to turn bolts of wood that might otherwise go for firewood into usable lumber, provide you stack it properly to dry and monitor its moisture content as it does so.



3. Digital Drilling

-- With an ordinary digital caliper and some hardware, you can achieve extra-ordinary accuracy when drilling holes, gauging their depth to *one thousandth* of an inch as you drill. **FREE PLANS** for this super simple jig.



4. Egg Carton Storage

-- A quick, easy, and inexpensive idea for organizing the drawers in a tool chest, workbench, or any piece of shop furniture. Keeps small tools and part separated, easy to find, and easy to reach.



Drew's Interludes:

1. Preventing Insect Damage -- All your hard work band saw lumbering and air drying can be for naught if a few insects invade your wood stack. Drew has some advice for how to avoid this disappointment.

2. Protecting Cutting Edges in Storage -- Storing chisels, planes, files, rasps, and other hand tools in a drawer can be hard on the cutting edges unless take a few precautions.



Sawdust Session #22: June 28, 2008

Topics: Cutting coves and making moldings on a table saw, an ingenious technique for cutting irregular shapes easily and accurately, how to set up and use the pneumatic drum sander, and what to look for when shopping for a used Shopsmith Mark V. Plus Drew gives some good advice on sanding coves and gluing mitered joints.

1. Working with Wood Composites

-- If you're looking to make your outdoor projects last, the longest-lived material available is wood fiber and plastic *composites*. Includes **FREE PLANS** for a composite Adirondack Chair.



2. Truing the Table to the Drill Chuck -

- For most drilling ops, the table must be square to the axis of the chuck – front-to-back *and* side-to-side. The equipment needed can be made from a carriage bolt and scrap wood.



3. Cleaning and Inspection

-- In *Part 2 of Shopsmith Reborn*, we tear down the headstock of our 1964 goldie, clean each part and sub-assembly, and decide which parts must be replaced before the Mark V will run safely.



4. Drew's Interludes -- First, Drew shows us how to use winding sticks to gauge if a drawer is flat or twisted. Second, he takes advantage of the propensity for wood and glue to "creep" under pressure to straighten the twisted drawer.



Sawdust Session #21: June 14, 2008

Topics: Cutting coves and making moldings on a table saw, an ingenious technique for cutting irregular shapes easily and accurately, how to set up and use the pneumatic drum sander, and what to look for when shopping for a used Shopsmith Mark V. Plus Drew gives some good advice on sanding coves and gluing mitered joints.

1. Making Cove

Moldings -- Using nothing more than a saw blade and a little ingenuity, you can create elegant cove moldings for furniture and finish carpentry.



2. Cutting Irregular Shapes --

Another time-saver from Nick the Jigmaster -- cut odd angles and shapes quickly and accurately in both large and small workpieces using the dead-simple jig. **FREE** plans (of course).



3. Pneumatic Drum Sander --

This little-known Shopsmith sanding accessory is worth its weight in gold when you need to "blend" curved surfaces or sand three-dimensional shapes.



4. Finding a Bargain --

In *Part 1* of our series *Shopsmith Reborn*, we go hunting for a used Mark V. Here's what to look for so you get yourself a bargain and not a basket case.



Drew's Interludes:

1. Gluing Miters and End Grain -- The weakest glue joint you can make is to glue end grain to end grain, as in a miter joint. The end grains suck up all the glue and "starve" the joint. Drew has a way to prevent that.

2. Pneumatic Cove Sander -- The Drewster shows a brand new application for the pneumatic drum sander.



Sawdust Session #20: May 24, 2008

Topics: How to rip bevels along the length of a board, including **FREE plans** for an adaption of the Shopsmith Outfeed Table that raises, lowers, and tilts with the main table. Plus how to assemble and clamp unusual shapes, joining complex project one half at a time, setting the thickness planer knives, and Drew's Interludes.

1. Ripping Bevels with a Tilted Table

-- When ripping a bevel on you Shopsmith, you must support *two* boards as the work leaves the saw -- the upper part and the lower part. You can adapt the Shopsmith Outfeed Table to do just that -- **FREE** plans.



2. Clamping Oddly Shaped Assemblies

-- Assembling the diamond-shaped shadow box that we introduced in Sawdust Session #19 presents an entire series of clamping challenges -- but nothing we couldn't handle



3. Joining Mitered Assemblies

-- When putting together a complex frame where all the parts have to mate perfectly, it sometimes helps to assemble one half at a time.



4. Setting Planer Knives

-- Changing and setting the knives in the Thickness Planer is surprisingly simple and straightforward once you know a few secrets.



Sawdust Session #19: May 10, 2008

Topics: ALL about sawing and dadoing with a **table tilted**. Nick shows how to rip bevels along the length of a board, how to make bevel-miters across a board, how to make compound miters, and how to make angled dados. Includes **FREE plans** for (1) an "Anti-Gravity Uphill Miter Jig" that makes tilted table operations simple and safe; (2) a miter gauge extension"; and (3) a unique, elegant diamond-shaped shadow box. Plus a **FREE Compound Miter Calculator** and Drew's Interludes.

1. Cutting Bevel-Miters

-- You make a "bevel-miter" by cutting a bevel in the end of board with the table tilted. Here's a unique jig that defies gravity and keeps your cut-offs from sliding downhill.



2. Making Angled Dados

-- Cutting a dado, groove, or rabbet at an angle in a board requires the you tilt the table and, on occasion, make a special table insert.



3. Making Compound Miters

-- To make a compound miter, you must tilt the table **and** angle the miter gauge. You can find the angles needed with our **FREE Compound Miter Calculator**.



4. Drew's Interludes

-- First, the Drewmeister shows us how to extend the Shopsmith's capabilities and cut beveled miters smaller than 45 degrees. Second, he reveals two tricks to keep stock from blowing out when using a dado cutter.



Sawdust Session #18: April 26, 2008

Topics: Making a Laptop Desk with a "breadboard" lid, routing finger joints with a shopmade jig, and how to rout stopped or "blind" joints using a little planning and some simple geometry to feel your way. Plus Drew's Interludes.

1. Making Breadboard Joints

-- The lap desk is a timeless keep-all with some special joinery. The bread-board joints in the lid keeps the unsupported board from cupping. Includes **FREE plans** for the desk!



2. Routing Finger Joints

-- The sides of the lap desk are joined with interlocking tenons or "finger" joints. These strong, decorative joints are cut on a router table with a special jig. Includes **FREE plans** for the jig.



3. Routing Stopped Joints

-- The bottom of the lap desk rests in stopped or "blind" grooves. Routing blind joints requires a special setup on the router table and a special way of laying out the joint.



4. Drew's Interludes -In **Interlude 1**, our musical friend waxes laconic about "upcut" and "downcut" router bits. In **Interlude 2**, he shows how to make and use an absurdly simple "push board" for cross-grain work on a router table.



Sawdust Session #17: April 12, 2008

Topics: Making turnings with the Ringmaster that curve in and out, how to make basic mortises and tenons and several variations on that theme, making "stopped or blind" joinery on the Overarm Router, and replacing the Mark V Speed Control. Plus Drew's Interludes.

1. SS Project: Turning Vases with the

Ringmaster -- In the last in our Ringmaster series -- we show how to make curved vases, bowls, and hollow turnings that curve in and out.



2. Making Mortises and Tenons --

Discover how to make a mortise with the mortising attachment, then fit a tenon to it using the dado cutter and tenoning jig. Also, several different variants on mortise- and-tenon joints.



3. Replacing the Mark V Speed Control --

How to remove, repair, and replace the speed control mechanism, including how to adjust the speeds and the indicator ring.



4. Drew's Interludes --

Interlude 1:

Drew takes advantage of a little-known property of wood to fine-tune planer results.

Interlude 2:

Drew uses dado shims to shave a whisker off a tenon for a better fit.

Sawdust Session #16: March 22, 2008

Topics: Installing doors, drawers, and a top on a built-in cabinet, shopmade wooden drawer slides that can save you a bundle in hardware expense, a few craftsman's secrets to help you install plastic laminate, and how to sharpen and use cabinet scrapers. Plus Drew's Interludes.

1. Making Pull-Out Drawers and Slides

-- Drew's classic cabinet incorporates a unique design for removable sliding drawers, including adjustable drawer slides that you can make yourself.



2. Trimming the Countertop

-- A wooden molding frames a laminated countertop nicely, but it can be difficult to do. We show you a few techniques that make it easier.



3. Applying Plastic Laminate

-- As we create a top and a backsplash for the cabinet, we show you the procedures (and some time-saving tricks) for installing plastic laminate.



4. Using and Sharpening Scrapers

-- This simple piece of tool steel is perhaps the most ingenious woodworking tool ever invented -- excepting the Mark V, of course.



Drew's Interludes:

1: Making a Mixing Pallet -- How to make an easy-to-clean pallet for mixing epoxy adhesives, putty, and many other two-part adhesives and fillers.

2. A Scraper Stop -- Drew creates a simple stop that attaches to a hand scraper to prevent you from scraping the parts of your project you don't want to scrape.



Sawdust Session #15: March 15, 2008

Topics: Making intricate "bandsaw" boxes, choosing and using band saw blades, setting up and using the Shopsmith Molder Head, and how to install a Lift Assist.

1. SS Project: **Band Saw**

Boxes -- How to plan, saw, and assemble intricate and elegant "band saw boxes," complete with doors, drawers, and lids. A great scrap wood project -- ***FREE plans!***



2. Choosing **Band Saw** **Blades**

-- What you need to know to match the right blade to material you have to saw, and how to prepare a new blade to extend its life.



3. Using the **Molder Head**

-- Discover the important differences between the molder and other shaping tools, then discover how to set up and use the molding head and knives.



4. Installing a **Lift Assist**

-- We designed the Lift Assist to make it easier to change your Shopsmith between horizontal and vertical modes. Now we'll make it easier to install.



Drew's Interludes:

1: More Throat Capacity -- How to modify your Shopsmith Band Saw to get just a little more (1/4" to 5/16") throat clearance.

2. Twisting the Blade -- How to twist the blade on the Shopsmith Band Saw to cut long stock across the grain.



Sawdust Session #14: February 23, 2008

Topics: Making "segmented" bowls with the Ringmaster, gluing up multiple miters to make multi-sided parts, thickness sanding boards with the conical disc, and to tips for easy rust removal. Plus Drew's Interludes, of course.

1. Ringmaster 2: Making Segmented Bowls

-- By gluing up segments or "wedges" to make turning stock and then cutting this stock on the Ringmaster, you can create unique and striking bowls and vases.



2 Thickness Sanding with the Conical Sanding Disc

-- You can sand boards up to 8" wide to precise thicknesses with Shopsmith's Conical Disc Sander and an easy-to-make jig. **Free plans!**



3. Rust Prevention and Removal

-- Have your tools rusted this winter sitting in your unheated garage? Here are some easy ways to remove the rust, recondition the metal surfaces, and prevent them from rusting next year.



4 Drew's Interludes -- In **Interlude 1**, Drew invents a better way sharpen plane irons on the strip sander. Then, in **Interlude 2**, he uses a common household product to stop rust dead in its tracks. Simply amazing.



Sawdust Session #13: February 9, 2008

Topics: Creating bent wood parts for an elegant breakfront cabinet, by laminating slender strips of wood, making coping-and-sticking joints for curved cabinet doors, aligning the auxiliary table on your Mark V, plus Drew's Interludes on using hand planes and unclogging the Dust Collector.

1. Laminate Bending

-- An easy way to bend wood is to glue up thin strips in a bending form. The laminated strips hold the curve when the glue dries. We show how to make the curved parts of the breakfront cabinet.



2. Coping and Sticking Joints in Curved Doors

-- These decorative cabinet door joints include shaped surfaces that mate perfectly. We show how to make them in curved door frame parts on a router table.



3. Aligning Auxiliary Tables

- We show step by step how to align the auxiliary table in your Mark V table system so you can use it in both the base and the headrest.



4. Drew's Interludes-- In **Interlude 1**, Drew uses several hand planes to fit cabinet doors. In **Interlude 2**, he single-handedly locates and removes a clog from the bowels of a Shopsmith Dust Collector.



Sawdust Session #12: January 26, 2008

Topics: A simple method for handling unwieldy sheet materials and cutting them to size, how to cut joinery in plywood without splinters and tear-out, tuning up you Shopsmith Belt Sander, and a roll-around caddy to keep your clamps handy -- and organized. Plus Drew's Interludes!

1. Handling Sheet Materials

-- At last! A simpler, gentler way to "bust up" sheet materials easily and accurately. No longer any need for super powers to manhandle those awkward 4 x 8 sheets.



2. Making Splinter-Free Dadoes and Rabbets

-- How to keep hardwoods, plywood, and other materials from splintering and tearing when you cut dadoes, rabbets, and grooves with a dado cutter.



3. Belt Sander Tune-Up

-- Because belt sanders produce so much super-fine sawdust, they need some special TLC to keep them in tip-top shape. Here's what to do for your machine.



4. SS Project: A Clamp Caddy

-- Store and organize bar clamps, hand screws, C-clamps, band clamps, and all your assembly tools in this space-saving roll-around cart. **Free plans!**



Sawdust Session #11: January 12, 2008

Topics: Using the Shopsmith Ringmaster to make turned bowls from single boards, making "asymmetrical finger joints on the band saw, which parts need cleaned and lubricated periodically on your Shopsmith Mark V, a melodius "wind harp" for your window, and Drew's Interludes.

1. Ringmaster 1: Boards to Bowls -

- With the Ringmaster, you can create turning stock for bowls from a single board, saving wood and time. We show how. Includes a ***FREE Ringmaster Calculator!***



2. Band Sawn Finger Joints (and Wind Harp)

-- Standard finger joints are all the same size. But by Using a band saw, you can make fingers of all different sizes to create unique patterns. Includes ***FREE*** plans for a ***Wind Harp***.



3. Cleaning and Lubricating the Mark V

-- A new, in-depth look at what to clean, where to lubricate, what to use, and what to look for to keep your Mark V in top-notch condition.



4. Drew's Interludes

--Our producer Drew Achtermann makes his web debut and imparts two great woodworking tips -- an easy way to **remove pencil marks** and an effective method for **planing thin stock**.



Sawdust Session #10: December 29, 2007

Topics: Sharpening on the Strip Sander, making "turned cabriole" legs on the lathe, tuning up the Thickness Planer, and applying wipe-on finishes.

1. Sharpening on the Strip Sander --

The Strip Sander and the Chisel Sharpening Attachment will put a keen edge on any hand tool, remove rust, polish, even strop an edge razor sharp.



2. Turning Cabriole Legs --

By making turning a table leg on two different centers, you can create a unique and elegant shape known as a "turned cabriole" leg. T



3. Applying Wipe-On Finishes --

Wipe-on "penetrating" finishes are simple to apply and will create a wide range of effects if you know a few simple tricks. Includes a formula for making you own wipe-on finish.



4. Thickness Planer Tune-Up -

- Now and then, your planer needs a little alignment, adjustment, and TLC to keep on keeping on. Here are several common planer woes and what to do about them..



Sawdust Session #9: December 8, 2007

Topics: Designing a dust collection system, making decorative turnings from laminated stock, creating Holiday ornaments on your scrollsaw, and choosing the proper saw blade for the job.

1. Designing a Dust Collection System

-- Nicks explains the math and engineering necessary for effective dust collection for a small shop. Includes plans for an **airstream splitter** and **pipe terminals**.



2. Scrollsaw Ornaments

-- Make compound cuts on a scroll saw to create beautiful Christmas ornaments. We share several original designs by scroller Dale Stephens. A great scrap wood project!



3. Glue-Ups for Patterned Turnings

-- Glue up strips of contrasting woods to create spectacular effects in lathe turnings. We turn several rolling pins, showing how each glue-up produces a different pattern.



4. Choosing Table Saw Blades

-- We discuss new advances in saw blade design, the types available through Shopsmith and others, how each blade is used, and how to mount them on the Shopsmith Mark V.



Sawdust Session #8: November 24, 2007

Topics: Routing and shaping turned work on the overarm router, how to turn pens and pencils, making decorative splined joints, and using the magnetic rule on the Mark V Model 520.

1. The undiscovered power tool, part 5

-- The overarm router will rout round and turned stock. Discover how to cut flutes and make sliding dovetails and other cuts in turned parts. Includes plans for an **Indexing Jig**.



2. Turning Pens and Pencils --

Use all those small pieces of special wood you've been saving to turn pens and pencils. Nick shows how to turn writing utensils -- and how to turn a Power Station into a lathe for small parts.



3. Decorative Splined Joints --

Turn an ordinary wooden box into something extraordinary with corner splines of contrasting woods. Produce different effects with a saw, router, and horizontal boring machine.



4. Using the Magnetic Rules -

- Nick shows how to setup and align the magnetic rules and offers some tips to achieve greater accuracy when you use them.



Sawdust Session #7: November 10, 2007

Topics: How to replace and re-tension the Mark V quill, the amazing pin routing technique, how to use the strip sander to sand the inside of a closed shape, and how to mount and turn burls, nature's wooden jewels.

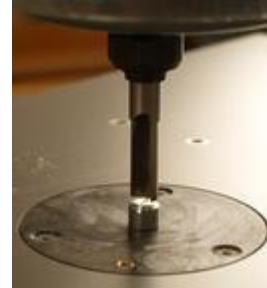
1. Replacing and tensioning the quill

-- Nick and Sue show you how to remove, clean, replace, and tension the quill in the Mark V headstock. They also discuss how to tell if you have a one- or two-bearing quill.



2. The undiscovered power tool, part 4

-- Learn the basics of "pin routing," a useful and potentially profitable procedure that allows you to duplicate intricate shapes, create signs, copy scrollwork, and rout decorative patterns.



3. Sanding Inside Shapes

-- The strip sander is one of the few tools designed to smooth both inside and outside surfaces. Nick shows how to use it to reach some very tight spots.



4. Mounting and Turning Burls

-- Burls -- the ugly growths on the sides of trees -- often hide amazingly beautiful wood grain. Discover how to harvest, dry, mount, and turn these spectacular wooden "jewels."



Sawdust Session #6: October 27, 2007

Topics: An overview of the "Sand Flee" finish sander, the amazing pin routing technique, simplifying the odious chore of replacing jointer knives, and making your own veneer inlays and marquetry designs

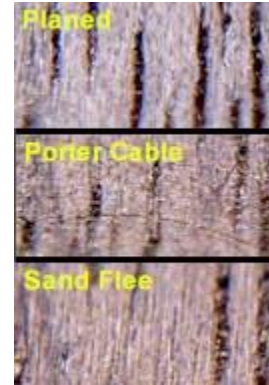
1. Introducing the Sand Flee

-- Our newest Special Purpose Tool is a "finish sander" that offers unmatched control, letting you sand perfectly flat surfaces. Nick Engler and guest Jerry Robbins put the tool through its paces.



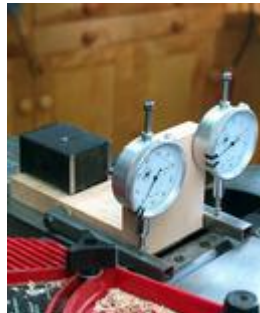
2. Sanding Test -

- We compared the Sand Flee to a high-quality random orbit sander by sanding several species of wood and inspecting the surfaces with a low-power microscope. This **not a video**. It's a **photo comparison of our test results**.



3. Setting Jointer Knives

-- Nick takes the fear and loathing out of the chore of replacing your jointer knives. With a simple shop-made jig, you can set the height right on the money.



4. Marquetry Basics

-- Discover how to create decorative pictures and patterns from inlaid veneer with the aid of a scrollsaw. See how to lay out the inlays, assemble the veneer "pad," saw the shapes and assemble them.



Sawdust Session #5: October 13, 2007

Topics: Planing tips and tricks, cutting decorative shapes on the overarm router, sanding 3-D shapes and curves, and turning precise tapers.

To view each topic, click on the photos.

1. Planing -- getting the best possible results --

Discover how to “read” wood grain, find feed direction, adjust depth-of-cut and feed rate for the best possible planed surface.



2. The undiscovered power tool, part 3 --

See how to rout decorative moldings on the overarm router, using both piloted and un-piloted bits. Also discover how to make raised panels using “vertical” shaping bits.



3. Sanding 3-D shapes and curves --

Nick explains how to use a variety of sanding accessories for the belt sander to sand 3-D shapes. and curves. Includes plans for a **Drum Sanding Table**.



4. Turning precise tapers --

Learn two methods to create precise turned tapers, straight as a die, using the lathe duplicator -- or parts of the lathe duplicator -- in innovative ways.



Sawdust Session #4: September 29, 2007

Topics: Replacing headstock switches, and introduction to overarm routing, compound cuts on the band saw, and a useful chemical wood stain.

To view each topic, click on the photos.

1. Replacing and tensioning the Poly-V/Gilmer belt

-- Does your Mark V bog down in a cut? Could be the Poly-V or Gilmer belt. Nick Engler and Sue Powell show how to re-tension a loose belt and how to replace one that's worn out.



2. The undiscovered power tool, part 2

-- Nick shows how to use the Overarm Router to make a variety of common joints - rabbet, dado, groove, mortise, and tenon. Includes an ingenious **Sliding Table Jig** for cross-routing.



3. Sharpening lathe chisels

-- Nick shares a few tips and tricks for using a Sharpening Guide to put a razor edge on the most common lathe tools -- skew, gouge, parting tool, and round nose.



4. Veneering basics

-- Turn a humdrum woodworking projects into something spectacular with a little veneer. See how to match fletches, join them, and glue them to a wood or wood surface.



Sawdust Session #3: September 15, 2007

Topics: Replacing headstock switches, and introduction to overarm routing, compound cuts on the band saw, and a useful chemical wood stain.

To view each topic, click on the photos.

1. Replacing switches

-- Our own Shopsmith fixit guru, Sue Powell, shows how to replace both the old toggle switch and the new rocker switch in the Mark V headstock.



2. The undiscovered power tool, part 1

-- According to Academy Director Nick Engler, the overarm router is in a class by itself among tools, with capabilities like no other. The first of five parts.



3. Compound cuts

-- How to make three-dimensional shapes on your band saw and scroll saw. After cutting some animals and abstract objects, we make a tapered table leg that looks as if it's been created from wooden vines.



4. The most incredibly even wood stain ever -

- An old gunsmiths' trick for darkening gun stocks can be used to create an elegant stain or patina, even in problem woods!



Sawdust Session #2: August 25, 2007

Topics: Precision measuring, routing dadoes and grooves, making finger joints, resawing and bookmatching thin panels.

To view each topic, click on the photos.

Guest: Jim McCann, one of America's most accomplished craftsmen. Hundreds of examples of his work -- furniture, boxes, toys, jigs and fixtures -- have been shown in woodworking books and magazines, including the *Fine Woodworking Design* series. His forte' is precision. Not one in a million woodworkers understand wood and how work it accurately as well as Jim. He will show us a small, absolutely spectacular jewelry chest he is making and discuss four methods he used to achieve the precision needed.



Jim is the handsome one on the left.

1. Making small parts precisely --

Jim shows off some of his woodworking and tells how to achieve outstanding accuracy when making small parts.



2. Routing Precise dadoes and grooves --

Jim shows how to make precision measurements when creating small, simple joints on a router table.



3. Itty-bitty finger joints --

Each of the drawers in Jim's jewelry chest are joined at the corners with finger joints. Jim demonstrates how to make them with a jig he can adjust to a precise 1/128 inch.



4. Resawing and planing figured woods --

The paneled doors in Jim's chest are walnut burl, "book-matched" for an elegant effect. Jim shows how to read this unusual grain, resaw panels, and plane them.



Premiere Sawdust Session: August 11, 2007

Topics: Mortising, table alignment, conical disc sander tips, selecting drill bits

To view each topic, click on the photos. The mortising session, because it ran so long, is divided into two parts -- click on the top of the photo to see Part 1 and the bottom to see Part 2.

1. Two ways to make a mortise --

How to make precise mortises.

Part 1 shows a mortising accessory; **Part 2** shows a router arm.



2. Aligning the Mark V Table --

Some neat tricks and measuring tools to align your table parallel to the blade within thousandths of an inch.



3. Precision sanding with a conical disc sander --

Tips for sanding to precise widths and thicknesses with a conical disc sander. Especially useful for figured woods.



4. A Drill Bit Primer --

There are so many types of drill bits that it can be a bit confusing (pun intended) knowing which bit to use for what. This will help you choose (and buy) wisely.

