



OFF-CUTS

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QUALITY: Lumber Cuts



This month on quality, I'll be discussing the various types of cuts you'll find in lumber. Plain sawn is the most common and usually the least expensive. Quarter sawn is less common but probably better known. Finally, there is the rift sawn lumber with conflicting definitions. All these cuts can come from the same log and should be considered when planning your next project.

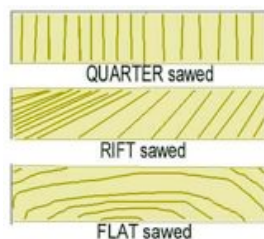
Plain Sawn: Also known as tangentially cut or crown planks. Plain sawing, the most common type of lumber sawing, yields broad grain (known as a cathedral pattern), the widest boards and least waste. The annular rings are typically 30 degrees or less to the face of the board. Plain sawn boards expand and contract across the face about twice as much as quarter sawn boards of the same species.

Quarter Sawn: Most often cut as Rift-and-Quartered, and the sorted for appearance, quarter sawn lumber is available in certain species, yields a straight grain, narrow boards, and fleck (sometimes called flake) or figure

which runs across the grain in some species (notably the oaks). Dimensional stability across the grain is the best. The annular rings run approximately 60 to 90 degrees to the face of the board with the optimum being 90 degrees. Quartered lumber is generally more expensive than plain sawn.

Rift Sawn: I have seen two conflicting definitions of rift sawn. One definition extracts boards with annular rays 90 degrees to the face of the board by essentially cutting wedges or staves out of the log. I define that as either "True" or "Traditional" quarter sawing. That technique originated by splitting logs with wedges, then splitting those wedges smaller and smaller until you reached the size you were looking for. Only the best parts were kept, the rest was used for firewood. The modern definition, and the one I use, for rift sawing has the annular rings running between 30 and 60 degrees to the face of the board with optimal being 45 degrees. The result is straight grain running through all four faces of the lumber. This is particularly appealing in table legs.

Note that when using a through and through cutting method on a mill, the log will yield all three types of lumber. Plain sawn boards will come off the top, or crown of the log. Quarter sawn pieces will be in the center of the log. Rift boards will appear some place between the two and will be sold as plain sawn if kept wide, or 'rift and quartered' if split in half. While there are techniques for generating more of one type of board from a given log, the common practice for mills is to simply slice the whole log through and through and then sort out the boards by their characteristics. Be better than you are .



Joseph Pettit

We teach what we know and learn what we don't.

FEBRUARY 2011

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The Tues Feb 22nd program will be presenting State Fair entries and WINNERS at 7PM at Grace Lutheran in St Petersburg. Bring your show-n-tell!



Guild Meeting Minutes January 25, 2010

The meeting was called to order by Joe Pettit, President. Visitors were welcomed: Bill Lindstrom from Iowa, interested in the Stained Glass Presentation; John Hoke, who found the guild from our website; Dennis Bolender who was referred to the guild to find someone to work on his Father's Clock; Chris Kellogg, interested in Stained Glass; Carolyn Rans, presenting the program. We had 30 members present with four visitors.

Joe mentioned that the coffee and donuts table will be accepting donations to a collection can, that the white board will be used to determine the agenda and the focus this year will be on "quality."

The State Fair was discussed with dates and deadlines announced. Tom Soyke visited from the State Fair to discuss several things. The woodworking tools in the booth were originally donated by Porter Cable and storage has become a problem. The tools have been placed in Tampa Guild Members' shops to maintain the tools and their responsibility is to get the tools to the booth every year for the Fair. The band saw has not found a home and he would like a St Pete Guild Member to take the responsibility. A tracking problem on the saw was discussed and Tom related that it may have been a common problem with Timberwolf blades. Also, Tom related that there is a woodworking show sponsored by Woodcraft on TV WUSF at 5pm on Saturdays. He offered DVD's of the show for our library. Dave Wegener showed us samples of the crayon dogs and animals toys that he is preparing the blanks for the fair. Joe Pettit is planning a barstool building presentation. Randy is planning special finger joint box construction with a router. Steve is planning a scroll saw demonstration. The worker list for the Fair was presented and Joe encouraged members to sign up for any club spots.

Joe announced that a business plan has been accepted by the Board to incorporate the guild to a business corporation and to become a non-profit organization. The originators of this idea are Randy Watson and Steve Stutts. This plan will help the guild to grow in the future and provide legal protection under the law for the guild and the board. Questions should be directed to Randy and Steve or discussed at the next board meeting. Members only will vote on the plan at the February meeting to finance the applications.

Show and tell: Wayne showed a Porter-Cable Router that is on sale at Home Depot and he demonstrated a Jessem Tools Router Lifter insert for a router table. Chris Rau spoke about building renovations needed at Grace Lutheran and asked for help from members to help with the renovation projects. Jody asked for dining room chair plans for his sister's family. Visitor Dennis Bolender asked for help in repairing his Father's Clock (a grandfather clock). Three members formed a group with Dennis to work on restoring the old clock. Steve showed some earrings and necklace sets that he made before Christmas and discussed his plans to make more. Pete showed some bowls that he turned from recovered wood from Tarpon Springs. Bill Kennedy showed pictures of a cabinet and clock that he made. Joe showed a table top. Bill Murphy showed a clock that had a hidden compartment ...

The Lie-Neilson tool event was discussed with a special added night for guilds. After the break Carolyn Rans had a great presentation on making Stained Glass panels.



Carolyn answers questions about stained glass



Finished framed piece. Cross was for member Steve Stutts. Carolyn Sans was a wonderful



Dave Wegener shows off new crayon holders



Close up of stained glass.



Dennis brings in his father's unfinished clock for advice on how to restore it.



Jim Flynt lifts a huge red eucalyptus slab.



Wayne inspects the Lie-Nielsen planes.



Bill Murphy shows off his secretive clock.



Steve Stutts is displaying his wood jewelry for sale for a fundraiser to a good cause.



Paula Nicks (lft) cuts large slabs for Viable Lumber using a 60" sawmill!



Rudy Lopez's gorgeous work is at the Executive Summit Building

BUSINESS PLAN- Must read by members

At the February meeting the guild will vote on a business plan that was reported approved by the board in last month's Off-Cuts. The plan was introduced by Randy Watson and Steve Stutts to make the guild a corporation with the new name as: St Pete Woodcrafters Guild, Inc. The purposes of incorporating the guild are numerous but the most important purpose is so that the St Pete Guild can become a non-profit educational organization as allowed by the State of Florida and the US Government. This plan is viewed as the best method to help the guild to grow and develop in the future. This article will discuss some benefits and lay out the projected cost of incorporation and becoming a non-profit organization. As the guild currently exists we fit the legal definition of a hobby club according to the Federal Government. There is no legal protection for the guild or our officers because we don't legally exist. Our liability insurance only covers Grace Lutheran Church. It does not protect the guild from legal liability. When we become incorporated the board and the guild will be protected by state law. When we incorporate, we will be issued a tax-exempt number so that we don't have to pay sales tax. This will be a substantial savings to the guild over several years. As a corporation we will have the right to buy, sell, rent, lease and use resources as it fits the educational purpose.

The benefits of becoming a non-profit (501c3) are numerous. Chief among the benefits is that we can accept gifts and the donors can get a tax deduction in return. We can ask businesses to donate to us for educational purposes. Individuals, families, foundations, endowments and trusts can contribute tax-free to the guild. We can also apply for grants from the government, foundations, businesses and councils. There are quite a few grants for "green" projects and educating the public in "green" technology. A very prominent Saint Petersburg City Council Member has stated that "very good things will happen to the guild when we become a non-profit." More benefits come in discounts to non-profits in the business community. We will be able to receive funding for teaching programs with distinguished and experienced teachers.

Filing for non-profit status does have some upfront costs but it is worth the investment. We would like to ask for a budget of \$1200 to cover legal fees, application fees, filing services and to trademark our name. This will cover the cost of incorporation and filing for the non-profit status. All expenses will be reported to and approved by the board. This will be a lengthy process but we will be able to function as a non-profit as soon as the papers are filed. We believe that the investment in this plan will be recovered in 2-3 years with the added savings to the guild in no sales tax and business discounts for non-profits.

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Board Minutes 2-2-2011

Members present were Joe, Pete, Camille, Steve and Chuck. The State Fair was discussed and activities planned with different presentations for each day of the fair. An email blast was requested to announce judging of the furniture division. The Color Brochures were located and arrangements were made to get them to the fair. It was reported that the wood working booth band saw has been fixed and it is working.

The Lie-Nielsen event was discussed with an email blast to the membership about the planned Thursday Guild Night. Programs were discussed for 2011. Sponsors were reviewed and listed. Lie-Nielsen and Viable Lumber are new sponsors. We reviewed past sponsors that have not yet paid for 2011. We need an invoice to be sent to Emar. Minuteman Press is paid for 2011.

Programs were discussed. The Feb meeting will be results from the State Fair. We discussed demonstrations by Rudy Lopez and Bob Winter.

The business plan was discussed. We need an article written for the Off-Cuts by Steve and Randy explaining the proposed business plan, why this is important, the steps to becoming a non-profit organization and a budget. Deadline is Feb 15th for the newsletter.

Treasurer's report balance : \$5334 with 30 members paid for 2011.



Harlan Crouch won "Best of the Show" for his massive rosewood bowl at the Florida State Fair!



Chuck Bigby tries the razor sharp Lie-Nielsen planes.



Guild members, craftsman and artists can display their work for sale at Artful Living in St Petersburg at 1100 1st Ave North



Lie-Nielsen tool event was held in Tampa at the Diaz Cigar Factory Building on N. Albany Ave.





4301 16th Street North on the corner of 16th Street N & Haines Rd. Guild meets every 4th Tuesday of the month at 7PM at the Grace Lutheran



Emar Grinding & Saw
(Keep your blades sharp)

2140 14th Circle North, St Petersburg, FL 33713



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ST PETERSBURG WOODCRAFTERS GUILD

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TO:

As a Guild, we teach what we know and learn what we don't.