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Division by Similar Triangles
Turning Critique

Gary Armstrong, Featured Speaker
ANNUAL MEETING - SEPTEMBER 15
Hello once again everyone. Is everybody else noticing that it’s really dark now at 5:00 AM? (that’s when I get up) I realize some of you “retired” folks are inclined to sleep in a bit later and maybe haven’t noticed yet. The days are closing in on us again and fall is right around the corner. Well that only means one thing, Sunapee is behind us and in case you haven’t heard, we did quite well despite the smaller crowds this year.

As always, Al Hansen had it well under control. We had a 60’ long tent this year for the first time. What a difference over the 40’ we have had in past years. This gave us more space for demonstrators and displays about the Guild and our subgroups. And the best news is Al has agreed to do it one more year if we can give him more help, particularly right after the fair, with getting the raffle prizes delivered and/or shipped out, returning benches and lathes etc.

Lots of people helped out this year, and many were new faces, which was really great to see. But, we really all owe a huge debt of gratitude to Al Hansen and his crew. I also need to send a big thank you out to Dick Davis too for his help. It was very much appreciated Dick, thank you. Several people helped out either selling raffle tickets or demonstrating multiple days but a big thank you also needs to go to Roger Myers and Hal Liberty, who camped out every day.

My favorite part, regardless of what I’m doing to help out, is I get to meet some of the most interesting people from all over the country, many of who aren’t woodworkers but are fascinated by it and like watching our demos.

It’s also that time again for the NH Furniture Masters Auction Exhibition at the NH Historical Society’s Tuck Library in Concord. It opened on August 19th and will only be there until September 19th, with the auction on September 22nd. This is where you can get an up-close view of each of these spectacular pieces.

And once again, Furniture Master Terry Moore is going to give the Guild a personal tour and talk on each piece on Saturday September 8th from 10 to 11:30. It’s free and family and friends are of course welcome. If you can’t make Terry’s tour, you should make an effort to swing by with family or friends for a walk through and show them the kind if incredible talent we have in our state.

If you were to only make one general Guild meeting a year, it should be our annual meeting and tool auction. This year’s annual meeting is coming right up on September 15th. It will be held at the Homestead School in Newmarket. Jon Siegel will be our auctioneer extraordinaire and he will guarantee you some incredible deals on tools and supplies. I can personally vouch for these deals! A couple of years ago I picked up a Craftsman 30” lathe complete with 4 jaw chuck, faceplates and motor for $35! I’ve seen other incredible steals too so don’t miss it.

We will also have about a 30-45 business meeting to elect our officers and report on new business etc. But the highlight of the afternoon will be a presentation by Furniture Master
Gary Armstrong. Gary is a master of mind-blowing intricacy. If you saw the grandfather clock in last year’s FMA exhibition, or this year, in the Living With Crafts display at Sunapee, you’ll know what I mean. He also has crafted an incredible table that was at Sunapee this year and it is at the Historical Society now. This table’s top is covered in marquetry and inlay and when you see it, it’s going to make you say “what the __”. Don’t miss this presentation.

Well I have more big news! BIG news that is. (Beginner Intermediate) As you may have heard, Tom McLaughlin has had to give up BIG after three years of incredible sessions that all have enjoyed. But the big news is, Matt Wajda (pronounced way-da) also a furniture master, has picked up the reigns of BIG. I’ve seen Matt’s work and I’m excited about what Matt is planning to do for the BIG subgroup this year. More on that in these pages and look for the meetings on the calendar and sign up!

If that’s not enough and you would like to learn how to build Windsor chairs, Fred Chellis has volunteered to host a new group and demonstrate Windsor chair making at Woodcraft starting in November. Take a look in the calendar and sign up for these if you’re interested too. They will be on a different month than BIG.

And there’s more! If you order now, you will receive a bonus gift of these amazing ginsu knives! (Just kidding.) I was starting to feel like a encyclopedia salesman and got carried away, sorry. Perhaps you have heard, but I would like to report that we have one more additional new subgroup that has formed, and the membership is already up to 16+. They call themselves “Woodworking As A Business”. (WAAB I think) If you think you are interested in taking your hobby to the next level and turn it into a business that actually earns money, this group is for you. Keep an eye on the calendar for upcoming meetings.

Lastly, I need to tell you that I’ll be out of touch for 4 weeks starting September 21st. I was very fortunate to have been selected to lead a Rotary Group Study Exchange team to the Dominican Republic. My team is made up of four non-Rotarian young professionals, three of whom are from Keene and one is from Garret Hack’s back yard in Thetford. (not literally) While there, we will be staying with Rotary host families all over the Dominican Republic and doing presentations on who we are, what we do and what it’s like here in New Hampshire and Vermont. We hope to share with the people of the Dominican what Americans are really like and what it’s like to live here, other than what they may see on TV and in the media.

I am, and always have been, a strong believer in community service and I try very hard to practice service as much as I can. I would like to encourage all of you to find a way to try and help make a difference, whether is in your own neighborhood, state or somewhere else in the world. We can make a difference.

See you all on the 15th!
Bob
Every year the members of the woodturning sub-group get together and submit examples of their work to be scrutinized and critiqued by experts in the field. It is never easy to have someone else look at a piece of your work and speak of its merits and flaws, but is truly one of the best ways to improve the quality and aesthetic of your woodworking. This year’s reviewer was David Lamb, New Hampshire’s Artist Laureate, member of the New Hampshire Furniture Masters, and Guild member.

The meeting took place at The Mill Brook Gallery and Sculpture Garden in Hopkinton, New Hampshire where the gallery was also holding a show of interest to woodworkers entitled “In The Grain”. Several Guild members had work in this gallery show.
**New “Pro” Sub-group**

Woodworking as a business, the official name of the new Guild “Pro” sub-group will get started with its first meeting on September 8th. The group will be co-lead by Fred Chellis and Roger Myers and is intended to be a group bringing together woodworkers who make some or all of their living in the craft. Interest in the group has been very strong with about 25 members expressing interest in the new group.

The group will discuss the various challenges and opportunities facing woodworkers trying to succeed in this challenging field and topics will include marketing, business plans, pricing, and other topics of interest. In addition to the subject areas mentioned, it will also provide an excellent networking opportunity for woodworking professionals.

The first meeting will be held in Deerfield, NH and is being hosted by Owain Harris. Owain's shop is in a large cooperative space shared with other professional woodworkers including Greg Brown who has just joined the New Hampshire Furniture Masters as an “emerging artist”. An example of Owain's work can be seen in the photograph to the right and more can be seen on his website or on his member gallery page on the Guild’s website.

Meeting details and registration can be found on the calendar on the Guild website. To request to be added to the mailing list, contact Roger by e-mail at roger@strathamwood.com
A great way to mark the beginning of fall, the Guild’s “Annual Meeting” is always the meeting with the largest attendance during the year, and for good reason - there is something for everyone. The auction is certainly one of the major high lights of the meeting, with a chance for attendees to pick up some wonderful additions to their shop for little money. All proceeds from the auction go directly to the Guild and so it is also a terrific fund raiser.

The auction is also the perfect opportunity to reduce that clutter in your shop by bringing items to be auctioned off. Our auctioneer extrodanaire, Jon Siegel will be leading the action and bidding is certain to be frenzied. See more about the auction on the next page.

Our guest speaker this year may be new to many of you but you will not forget him or his work after hearing him speak and presenting a look at his amazing work. Gary Armstrong is a member of The New Hampshire Furniture Masters and was trained as a cabinetmaker in Britain and now resides in New Hampshire. Two of Gary’s pieces can be seen at the Furniture Masters exhibition now on display at The New Hampshire Historical Society. One of these works, “Elizabeth” can be seen in the photo to the right.
**Annual Meeting, continued**

Gary is largely self taught although he also served an apprenticeship with one of Britain's finest furniture makers in the 1980's. His work adorns homes of some of the most prestigious people across the world, including royalty, politicians and government officials, British Nobles, TV celebrities, super yachts, leading VIP's, and Fortune 1000 Business Professionals amongst others. I’m sure that you will find a look at his work and career both fascinating and inspiring.

The Sheraton Style Breakfast table in the photograph to the right, and shown in a detail photograph on the cover was awarded the Peoples Choice Award at this years Craftsmen's Fair.

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**Schedule:**

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<td>9:00 - 9:30</td>
<td>Coffee and social</td>
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<tr>
<td>9:30 - 11:30</td>
<td>Auction</td>
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<tr>
<td>11:30 - 12:00</td>
<td>Business Meeting</td>
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<td>12:00 - 1:00</td>
<td>Lunch</td>
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<td>1:00 - 3:00</td>
<td>Gary Armstrong</td>
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**Election of Officers:**

During the business meeting, we will hold the election of officers. The current slate of candidates is as follows:

- President - Bob Couch
- Vice President - Claude Dupuis
- Treasurer - C. Peter James
- Secretary - Alan Saffron

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"Emily" English Sheraton Period Mahogany Breakfast Table with Floral Marquetry Centerpiece

Designed by Gary Armstrong, this circular breakfast table sits atop a Mahogany pedestal, and the centerpiece features an exquisite floral design inlaid with a combination of Madrona Burl, Redwood Burl, Maple Burl, Boxwood, Ebony, Walnut, Purpleheart, Makore, and Satinwood.

The pedestal legs are finished in fine hand-cast acanthus leaf castors.

Dimensions: 54 diameter x 29 high

Awarded Best in Traditional Design and the Peoples Choice Award at the 79th Annual League of NH Craftsman's Fair, August 2012
The Auction!!!

A highlight of every annual meeting is the annual Guild auction, once again lead by Jon Siegel. No matter if your goal is to pick up a new piece of treasure for pennies on the dollar or if you seek to rid yourself of some junk...errr..."treasure", it is a great time for all. If you are bringing something to the auction, arrive early enough that you can bring the goods in and the runners can get the items arranged on the tables. Please, no liquid items to be auctioned. If the tool or item has issues, please disclose them so that the potential buyer is aware.

We have auctioned off wood..some beautiful woods and veneers in fact! Power and hand tools are always popular as are hardware items and books. Magazines always get taken, sometimes to reappear at next years auction, after having been enjoyed by the high bidder. If you have it in your shop, don’t know why you still have it, and want to see it go to a good home...bring it along. All proceeds go to the Guild.

Volunteers are needed as runners and recorders - please contact Bob LaCivita if you can help.
A BIG Thank You!

The Guild, and especially participants in the Beginner Intermediate Group, generally known as BIG, want to extend our most sincere thanks to Tom McLaughlin for his work in leading the BIG group. Tom’s dedication to the Guild and to the BIG group is most appreciated. In recognition of this outstanding service to the Guild, Tom was presented an engraved LN plane which he can store in the tool chest he made as part of the last BIG project he lead. When you see Tom, be sure and ask him how the plane fits and looks in its new home!
The Period Furniture Sub-Group held its regular meeting on July 21st at Allan Breed’s shop in Rollinsford, NH where progress continues to be made on the Townsend document chest. The focus of this month’s meeting was the sculpting and carving of the door to the chest. This involves creating the central depression in the door as well as carving of the concave Newport Shell.

In addition to the detailed carving Allan also demonstrated mortising the lock into the door. This chest has a beautiful lock and wonderful brass hardware. One of the group’s members, Dilek Barlas arranged a group buy of the hardware saving the group considerable time, effort and money. The lock, and the brasses for the chest were sourced from Ball & Ball, while the hinges were sourced from Woodcraft in Newington, with the assistance of another group member Fred Chellis.

We are nearing the end of this project, with two more meetings now on the schedule. The next meeting will be September 22nd and the final meeting for this project will be on November 17th. Note that the November meeting is a different date than the original scheduled meeting in December - please make note of this change in your calendars. The final meeting will also be a bit of a celebration with plans still being developed. We do hope to see quite a few of the chests brought to the meeting, no matter what their current state of completion.

Allan has generously volunteered to lead the group in another project for the coming year, and while not 100% finalized, we anticipate that the project will be a two drawer Portsmouth table from the Federal period.

In comparison to the Townsend chest, this project is simpler in scale and complexity, yet still offers plenty of learning opportunities. The author built one of these tables (see photograph below) with Allan a number of years ago and it was a terrific project.

You will encounter inlay and banding, dovetailing drawers, mortise and tenon joinery, turning, and finishing in the course of doing this project. We also anticipate beginning the project with the creation of a “story stick” that you will make from measuring the table. The story stick will then contain virtually all of the information needed to reproduce the object.

It is also a project with local roots as the original design is identified with Portsmouth, NH.
Guided Tour of The Furniture Masters Exhibition

Back again after a year at the Shaker Village is our annual tour and talk about each piece in the NH Furniture Master’s annual auction preview exhibition at the NH Historical Society Tuck Library in Concord. NH Furniture Master Terry Moore will take the Guild group starting at 10:00 around to each piece and talk about the construction, the wood used and what is unique about the piece.

**Location:** 30 Park Street, Concord, NH

**Hours:** Tuesday through Saturday, 9:30 a.m. to 5 p.m.

**Admission:** Free

These are the pieces that will be in the Furniture Master’s auction on September 22 at the Currier Museum of Art in Manchester and they are on display for all to see at the Tuck Library only until September 19th.

BIG Changes in the BIG Sub-Group

The BIG (Beginner Intermediate Group) will be lead in the coming months by Matt Wajda. After leading the group for several years and taking them through several projects, Tom McLaughlin is turning the reins over to Matt.

Matt Wajda is a 2000 graduate of the North Bennet Street School’s cabinet and furniture making program. Since graduation, Matt has been an instructor in NBSS’s workshop program and now in their continuing education program. He has taught classes and workshops at the Center for furniture craftsmanship, the Penland school of craft, and is currently on the Furniture Design Certificate faculty at the Massachusetts College of Art. In addition, he has participated in numerous group shows and presentations, most recently a talk at Colonial Williamsburg on the furniture of Mt. Vernon. Matt was also recently named a Guest Artist of the New Hampshire Furniture Masters, and is a partner along with Bruce Eaton in Piscataqua Design LLC.

Matt has hosted several meetings for the Guild and for the Period Furniture Sub-Group and he is excited to be taking on this new role, and we are thrilled to have the opportunity to work with him. Early discussions look like the project will be an end table with curved drawers. Meetings are currently planned to be held on the first Saturday of even numbered months, with the exception of the initial meeting which will be October 13th, due to a schedule conflict.

We want to extend our sincere thanks to Tom for all of his hard work in leading the BIG group. In addition to the actual time and space commitments on the day of the meeting, there are countless hours of preparation
Woodworkers frequently face the need to divide a dimension like the width of a board into several equal parts. The obvious solution is to measure the width, divide this dimension by the number of parts, and then lay out the points on the board. But this can often result in messy fractions which can be cleaned up to some degree by using fractionless metric measurements. But exact divisions can also be made without any numerical calculations using the geometry of similar triangles.

**Similar Triangles**

Two triangles are said to be similar if their three angles are the same, regardless of the lengths of the corresponding sides. Think of making a magnified or reduced copy of the original triangle. While the length of the sides changes, the three angles remain the same. The triangles are similar.

Two similar triangles are shown below. While their corresponding angles are equal, their matching sides are of different lengths.

\[
\begin{align*}
\text{a} & \quad \text{c} \\
\text{b} & \\
\end{align*}
\]

However, the ratios of the lengths of the three corresponding sides of two similar triangles are equal.

\[
\frac{A}{a} = \frac{B}{b} = \frac{C}{c}
\]

For the purposes of our measurements, we will deal with right triangles which have one angle equal to 90 degrees.

The illustration below shows a board whose width we wish to divide into three equal parts. Using a scale, we create a triangle with one side (the base) being the width of the board, and one side (the height) being the side of the board. These two sides form the right angle. The third side, opposite the right angle, is called the hypotenuse. By adjusting the height we make the hypotenuse length equal to a convenient multiple of the required number of divisions. In this case the hypotenuse is chosen as 4-1/2 inches, which is three times 1-1/2 inches.
Since the ratios of the length of each triangle’s hypotenuse to the length of the corresponding horizontal base are all equal, and the overall hypotenuse has been divided into thirds, the overall horizontal base line is consequently divided into thirds.

This division process required no measurement of the overall width. We only need to adjust the triangle height to make the length of the hypotenuse a number that is easily divided by the number of segments. The angle of the hypotenuse should be on the order of 30 to 45 degrees for convenience. In this example a hypotenuse of 4-1/2 inches meets this condition, being easily divided by three. So the vertical lines meet the hypotenuse every 1-1/2 inches. The base line is then exactly divided into thirds without ever dealing with the numerical width of the board.

Ripping Equal Widths

Often we need to rip a piece of wood into several equal widths. One method is to use an overall width larger than the total required width of the pieces plus the saw kerfs. The fence is then set to make the cuts with some leftover scrap. However, if there is little or no extra width, we can use similar triangles to find the exact width of the final pieces.

The method is illustrated below where we wish to rip three equal widths from the original piece.

The first step is to lay out the width of the saw kerfs from one edge. There will be one less saw kerf than there are pieces, in this case two kerfs. For a 1/8” rip blade, this gives a total kerf width of 1/4”. Lay that distance out from the left edge of the board.

Next divide the remaining width into thirds using the method described above. Each third equals the required spacing from the rip fence to the saw blade. The piece can now be ripped into three equal widths.

It is frequently convenient to carry out these geometrical constructions on a sheet of manila folder rather than directly on the wood stock. Initially place the stock on the sheet and draw the parallel sides. Remove the stock and complete the geometry. Finally, set the rip fence by transferring the final width using a story stick.

This layout technique can also be used to determine the equal spacing between panels or shelves let into dadoes. Instead of the saw kerf, lay out the total width of the panels from the total length of the stock. The remaining distance divided by the number of panels will be the exact spacing between the edges of the dadoes; the spacing between the panels.

Division with Dividers

While we have focused on making equal divisions using geometry, it should also be explained that a pair of drawing dividers can also be used to make accurate divisions.

Lay out the length to be divided, either on the stock or a manila sheet. Next set the dividers to the approximate size of the divided length. Place a divider point at one end of the length to be divided, and walk the dividers along the length. When the number of divisions is reached, you will be either too long or too short. Correct the divider spacing by this error distance divided by the number of divisions and walk off the distance again. It should only take a few repetitions before the divider point spacing equals the required fractional length.

Glossary

Dividers An adjustable drawing instrument similar to a compass with points.

Hypotenuse The side of a right triangle opposite the right angle.

Right Triangle A triangle having one angle equal to 90 degrees.

Similar Triangles Two triangles whose set of angles are the same.

Story Stick A length of wood on which a particular distance is marked without using any numerical value.
New Windsor Chair Sub-group!

Another new sub-group is coming to life with the formation of the Windsor Chair Sub-Group. Those of you who have been to Sunapee the last few years have seen and admired the work of Fred Chellis and his generous donations to the Guild raffle. Fred will now lead a new sub-group in Windsor chair making.

According to Fred: “We will explore the tools and techniques used to make Windsor Chairs in the 18th century tradition. Starting with tree selection and making patterns, we will create a reproduction of an authentic 1760’s chair. Throughout the course of the meetings we will discuss the specific tools, their use and care. Participants will be encouraged to follow along and make a chair of their own.”

Meetings will be held at Woodcraft in Newington, NH on the 2nd Saturday of odd months, from 9:00 am until noon (coffee at 8:30) starting on November 3rd. Some seating will be provided, however if you bring your own you will be guaranteed a seat.

Because of limited space the group size will be limited to 30 participants.

Fred Chellis demonstrating at Sunapee this year

The New Hampshire Furniture Masters annual auction will take place on September 22nd at The Currier Museum of Art in Manchester, NH. From the Furniture Masters website:

The Furniture Masters’ annual auction is an incredibly exciting event for Masters and fine furniture lovers alike! If you have ever dreamed about owning an original piece of studio furniture, this is your chance to purchase some of the finest handcrafted furniture in the country.

The 2012 auction will take place on Saturday, September 22 at the beautiful Currier Museum of Art in Manchester, NH. Doors open at 6:00 p.m.; attire is business casual. Admission is $75 per person. Tickets may be purchased in advance (recommended) or at the door. (Tickets purchased at the door are assessed a 10% premium.)

The evening begins with a gala reception and perennially popular silent auction featuring smaller, modestly priced handmade items donated by each of the participating masters. Silent auction proceeds go toward support of the Furniture Masters’ educational initiatives.
Save the date...

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<tr>
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<th>What</th>
<th>Where</th>
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<td>September 8th</td>
<td>Pro Sub-Group Meeting</td>
<td>Owain Harris Shop, Deerfield, NH</td>
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<tr>
<td>September 8th</td>
<td>Terry Moore Guided Tour of the Furniture Masters Exhibition at NHHS</td>
<td>NHHS, Concord, NH</td>
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<td>September 15th</td>
<td>Annual Meeting</td>
<td>Homestead Woodworking School, Newmarket, NH</td>
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<td>September 22nd</td>
<td>PFG Meeting - Document Chest</td>
<td>Allan Breeds Shop, Rollinsford, NH</td>
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<tr>
<td>September 22nd</td>
<td>Granite State Woodturners</td>
<td>Jon Siegel’s Shop, Wilmot, NH</td>
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<tr>
<td>September 26th</td>
<td>Steering Committee</td>
<td>Cobb Hill Construction, Concord, NH</td>
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<tr>
<td>October 13th</td>
<td>Beginner Intermediate (BIG) meeting</td>
<td>Matt Wajda’s Shop, Rollinsford, NH</td>
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<td>October 24th</td>
<td>Steering Committee</td>
<td>Cobb Hill Construction, Concord, NH</td>
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<td>November 3rd</td>
<td>Windsor Chair Sub-Group</td>
<td>Woodcraft, Newington, NH</td>
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<tr>
<td>November 17th</td>
<td>PFG Meeting - Document Chest</td>
<td>Allan Breeds Shop, Rollinsford, NH</td>
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<td>November 28th</td>
<td>Steering Committee</td>
<td>Cobb Hill Construction, Concord, NH</td>
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This information is accurate at the time of publication however as things can change, please refer to the on-line calendar at the Guild website. Also note that many meetings request you to register on-line so that attendance can be managed.

**GRANITE STATE WOODTURNERS MEETING**

The next meeting of the Granite State Woodturners will be on Saturday, September 22, at 9:00 AM, at Jon Siegel’s shop in Wilmot, NH. The purpose of this meeting is to see demonstrations of some of the antique machinery that Jon has restored. This includes both woodworking and metalworking machines including:

- 1918 Hendey metal lathe, restoration just completed (will demonstrate screw cutting)
- 1885 L&M metal planer, 20” x 48” (will demonstrate planing flat surface in metal)
- 1900 Putnam extension-bed pattern maker’s lathe (wood lathe), 50” swing inboard thru the gap
- 1885 S.A.Woods 36” band saw
- 1880 S.A.Woods 16” jointer
- 1925 P.B.Yates 20” thickness planer

See the Guild website for full information and directions
The 79th League of NH Craftsman Fair has come and gone; similar to the past, in the generosity of Guild members who donated their work and time. Different with the bad weather and 1000 less fairgoers. Still we were able to sell $7400 in raffle tickets.

This year was our first in a larger tent and it proved a huge success. We had a variety of woodworking skills demonstrated every day, as well as several displays highlighting the activity of Sub Groups. We intend to expand on this next year.

Special thanks to Dick Davis who was there start to finish, delivering Homestead Woodworking School workbenches and a lathe donated by Woodcraft and selling raffle tickets and Guild clothing.

Also special thanks to Gary Canning for donating one of his wonderful tables and Jim Cosine for his Adirondack Chair and table for the 3rd year in a row. And to Fred Chellis who responded when I observed that this would be my first fair without a Windsor chair to anchor the southeast corner of our raffle table. These larger objects attract attention and I love watching the reaction as people get closer to the tables and start to look at the other fine work there. See the list of donors and winners.

Sincere thanks to all volunteers.
Al Hansen
Sunapee 2012 Raffle

Donors
1. Pine and Ash Stool, Les Huckins
2. Turned Cutting Board, Dick Weiss
3. Clock, John Willse
4. Girls Wooden Toys, Hal Liberty
5. Laminate Cutting Board, Bob LaCivita
6. Boys Wooden Toys, Hal Liberty
7. Windsor Chair, Fred Chellis
8. Dyed Polar Vase, Bob Katz
9. Turned Pen and Magnet, John Cioffi
10. Turned Golf Pencil, Anonymous
11. Spalted maple Bowl, Claude Dupuis
12. Birch Bowl, Les Huckins
13. Poplar Bowl, Jim Forbes
15. Butternut Vase, Dick Weiss
16. Ash Turned Lidded Box, Ned Gelines
17. Carved Santa Ornament, Lenny Chaisson
18. White Birch Bowl, Les Huckins
19. Cherry Table, Gary Canning
20. Turned Pen, Jim Gold
21. Box Elder Bowl, Jerry Burt
22. Tulip Dish, Mike Heneghan
23. Box Elder Bowl, Stan Dole
24. Elm Dish, Mike Heneghan
25. Cherry Bowl, Bob DeAngeles
26. Maple and Cherry Bowl, Lindsay Freese
27. Cherry Bowl, Dave Harris
28. Sycamore Vase, Mike Heneghan
29. Maple Textured Dish, Donna Banfield
30. Spalted Beech Bowl, Mike Heneghan
31. Nested Shaker Boxes, Bruce Wedlock
32. Cherry Bowl, Mike Heneghan
33. Ash Bowl, Ron Pouliot
34. Segmented Cutting Board, Myrl Phelps
35. Maple and Walnut Hall Table, Norm Miner
36. Adirondack Chair and Table, Jim Cosine

Winners
1. Mollie Muldaur, VT
2. Rick Marsh, Wilmot, NH
3. Pat Cyr, Manchester, NH
4. A. Chamberlain, Springfield NH
5. John Patenaude, Nashua, NH
6. Lydia Grey, Booth 430, Fair
7. Gail Straw, Goffstown, NH
8. Janet, Manchester NH
9. Patty Giguere, Goffstown, NH
10. Andrea Lamy, Manchester, NH
11. Doreen, Newbury, NH
12. M. Parker, NY
13. Concord, NH
14. Kate Kelly, Hillsborough, NH
15. Peter Guest, Wilmot, NH
16. George, Candia, NH
17. Dennis Waterford, Bristol, NH
18. Kloende, Smith, Derry, NH
19. C. Van Houten, Manchester, NH
20. John Patenaude, Nashua, NH
21. Amber Dahlin, East Hampton, MA
22. C. Meehl, Lynnfield, MA
23. John Pannell, Kingston, MA
24. Elaine Berzin, Sunapee, NH
25. Carol Becker, Sharon, MA
26. Jim H. Goffstown, NH
27. Harriet Fishman, Durham, NH
28. Phyliis Sher Newburyport, MA
29. Sandy Hyslop, Laconia, NH
30. Shawna, Fair
31. Allyn Van Deussen, Johnson City, NY
32. John Early, Beverly, MA
33. Bob McInnis, East Harwich, MA
34. E. Holmes, Keene, NH
35. Bob Cricenti, New London, NH
36. Tess Marks, Goffstown, NH
**Guild Supporters & Advertisers**

**Woodworking Schools**
- McLaughlin Woods  
- The Windsor Institute  
- The Breed School  
- Homestead Woodworking School  
- The Wood Finishing School  
- John Whiteside’s Hand-Made Guitars & Lessons

**Tools & Supplies**
- Woodcraft - Newington, NH  
- Woodcraft - Woburn, MA  
- Rockler - Salem, NH  
- Rockler - Cambridge, MA  
- Brentwood Machinery  
- Chester Tool Works  
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