

RAM

JULY-AUGUST 2011



Mike Maddox with demo piece

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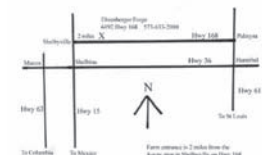
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**Newsletter of the
Blacksmiths
Association
of Missouri**

Volume 28 No. 4
JULY-AUGUST 2011

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The Newsletter of the Blacksmiths Association of Missouri is published six times a year and is mailed to members of BAM. The annual fee for regular membership is \$25/year; a portion of this amount is for a subscription to this newsletter for one year. Editorial inquiries should be addressed to: **Bob Ehrenberger 6192 Hwy 168 Shelbyville, Mo 63469; (573)-633-2010 or send e-mail to bameditor@centurytel.net** BAM membership inquiries should be addressed to: **Bruce Herzog, 2212 Aileswick Dr., St. Louis, MO 63129; (314) 892-4690 or send e-mail to bjherzog@att.net.** Occasionally some material will be copyrighted and may not be reproduced without written consent by the author. BAM welcomes the use of any other material printed in this newsletter provided the author and this organization be given credit.

JULY-AUGUST 2011

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Memberships are for one year from receipt of dues. Dues are \$25, which includes a subscription to the bimonthly BAM newsletter. Please make checks payable to Blacksmith Association of Missouri.

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Send this form in an envelope with your payment to:

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 c/o Bruce Herzog
 2212 Aileswick Dr.,
 St. Louis, MO 63129

I _____ hereby apply for membership in the Artist-Blacksmith's Association of North America and enclose \$ _____ as my annual membership dues for one year.

MasterCard VISA Check/Money Order

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The Blacksmiths' Association of Missouri is an affiliate of the Artist Blacksmiths' Association of North America, and is devoted to the preservation and advancement of blacksmithing and to communication among blacksmiths in Missouri and surrounding areas. BAM's newsletter's goal is to support these aims. Letters to the editor, tech tips, tools for sale or anything else which furthers these ends will be considered for publication.

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From the Editor

By Bob Ehrenberger

Ned and Esther Digh put on a nice meeting for the July get together. Since the last time I was at Ned's place he had insulated the addition on his shop. So it was pretty comfortable until Mike lit the gas forge. They also arranged for a gospel group to sing during the lunch break which was a nice touch. There were a lot of nice trade items, which is always nice to see. Jan had wanted to keep the wind chime that I made, but because there wasn't time for me to make another one she let me bring it, on the condition that if she didn't like the one I traded for I would make her a new one. As it turned out I traded for the only item that wasn't a wind chime, a Don Nichols dinner bell shaped like a star. So I guess I'll be making a chime when I finish the newsletter.

Mike Gentsch started things off with a talk about how to make a gas forge. He copied the Chile burner design for less than \$20 in parts, more on that later.

Mike Maddox demonstrated next. He showed how he makes light tongs for small work. He then made several small items that he uses as gifts and for public demonstrations.

Ned sent me this update on his meeting. Food collected for local food bank: 176 lbs of canned meat goods and \$123 in cash. Seth, (17) and Isaac, (12) Lancaster won the forging contest and won the award.

The news around the blacksmithing community is about our auctioneer and friend Tim Ryan getting hurt during an anvil blowing contest. He had the anvil staged to blow and turned around to make some comments to the crowd. When he turned back to light it, it went off. There is no explanation how this could have happened. Tim lost a thumb

and part of one finger, he was also badly burned. Bob Alexander took up a collection to help with Tim's medical bills. If you would like to help out you can send a check to Tim at: Tim Ryan, Box 39, Brass-town, NC. 28902

After making the sheet metal brake dies for my press earlier this year, I decided that my press is under utilized. I have since made a die system for working sheet metal. I'll include pictures later in the newsletter if there is room.



As I mentioned at the July meeting I just got a notice from the Missouri Arts Council that they are accepting applications for the Traditional Arts Apprenticeship Program. If you are interested there are three ways to get an application. 1) Call: Deb Bailey @ 573-882-3653, 2) E-Mail: BaileyDA@missouri.edu 3) Go to their website: <http://maa.missouri.edu/mfap>

A little on the upcoming meeting at my shop. We had planned on having the food provided by the South Fork Regulators.

You may remember them, they cooked for us at the March meeting that had the freak snow storm. Well a combination of a schedule conflict and their chuck wagon getting damaged at a reenactment a few weeks ago. They will not be able to make it. Jan has been having some health issues this year and I don't want to add the stress of cooking for what could be a large group. **So please bring your own sack lunch.** I'm still trying to decide what to demonstrate, I think it will be some of the products that I sell at craft shows and reenactments. I picked a chisel for the trade item because it is something that is simple enough that everyone can participate. It has been a really long time since a chisel has been chosen, I think Jim McCarty's meeting in the 90's was the last time.

A call came in today, July 23rd, that Daniel's wife Jennifer, had another baby boy. It's a bit of a surprise because it is three weeks early. They named him Nathaniel William Ehrenberger. For Jan and me this is grandchild #8 and grandson #3.

The next Newsletter submission deadline is Sept 17th.



BAM MEETING for July 2011 at Ned and Esther Digh's

Minutes by Don Anders

Thanks to Ned and Esther for another fantastic meeting with live music during lunch and good demos.

BUSINESS MEETING given by President Doug Clemons

The BAM swage block, and cone mandrel buy, from the SALT FORK affiliate was a success. If enough people are interested in them, there may be a second buy, please contact Bob Alexander.

If you are interested in making spare-tire hammer or treadle hammer, contact Bob Alexander or Ken Jansen, Bob for the treadle hammer or Ken for the spare-tire hammer.

There was talk, of a forced air gas forge workshop, if interested contact Bob Alexander.

Treasurer's report given by Bruce Herzog, with conference summary. We made some money on the conference and the treasury is OK. Membership is 537 down a little, but BAM is still going strong.

The hat was passed to help out Tim Ryan after his accident at the anvil shoot.

Check out the Hermann Farm & Museum Country Fair September 10-11.

Contact Kent Harbit for BAM Missouri State Fair info, try to come, it is always a good time.

Also in August is the Hamilton Steamfest contact Phil Cox for info.

The BAM library will not make the September meeting, Karen's son is getting married that day.

IRON IN THE HAT

DONATED BY	ITEM	WON BY
Matthew Burnett	hammer handles	Mike Gentzsch
Mark Hemmer	2 farrier rasps	Mike McLaughlin
Mark Hemmer	2 farrier rasps	Mike Gentzsch
Don Nichols	Disc & Pins	Bill ?
Tom Patterson	Spring Steel	John Huff
Don Anders	shop towels	Isaac Lancaster
Chris Miller	DVD knife exhibit	Doug Clemons
Fred Arnold	assorted screws	John Huff
Karen Bouckaert	hot dog plates	Don Nichols
Mark Hemmer	2 farrier rasps	Isaac Lancaster
Fred Arnold	grinder	Ned Digh
John Wilding	anvil cookie cutter	Mack Bogue
Chris Miller	American Blacksmith	Don Nichols
Seth Lancaster	trailer springs	Karl Haak
Seth Lancaster	jack hammer pts	Don Nichols
Chris Miller	leather straps	Don Forlow
Bob Ehrenberger	hook	Mike Gentzsch
Don Forlow	rake teeth	Ned Digh
Tom Patterson	spring steel	Doug Clemons
Tom Patterson	spring steel	Don Nichols
Don Nichols	disks & pins	Karen Bouckaert
Mike Gentzsch	propane forge kit	Tom Patterson
Seth Lancaster	jack hammer pts	Nikki Wace
Don Forlow	rake teeth	Denny Quinn
Paul Lankford	Hyd cylinder	Jeff Todd
Mike Gentzsch	misc wire	Orry Harbit
Don Forlow	anvil warmer	Mike Gentzsch

TRADE ITEM WIND CHIME

MADE BY	TRADED TO
Esther Digh	Don Nichols
Nichols & Malachi Bishop	Ed Harper
Don Nichols	Bob Ehrenberger
Ed Harper	Michiah Lancaster
Seth Lancaster	John Wilding
Ned Digh	Nicholas & Malachi Bishop
Bob Ehrenberger	Karen Bouckaert
Michiah Lancaster	Esther Digh
Karen Bouckaert	Ned Digh
Chris Miller	Jeff Todd
Jeff Todd	Chris Miller
John Wilding	Seth Lancaster

Letter from the President

Greetings,

Thanks to Ned and Esther Digh for hosting the July meeting. It was hot, but they had a good turnout.

What a great time of year to be a blacksmith! Right now the temperature is in the upper 90's around here. I do have an air conditioner in my small shop but the forge kind of defeats it's purpose. It is still nice to have to work on some other projects.

Actually I've had very little time for blacksmithing or nearly anything other than trying to get the crops in and sandbagging levees to keep the river out.

After countless hours and over 11,000 sandbags we lost a small private levee and are now trying to maintain the larger one that actually protects the main river bottom area where I farm along with many others.

Our scholarship committee reported that they have had one application. I'm not sure how many they can offer but it's a great opportunity. I always thought education was one of our primary goals. I'm glad we're in a position now to offer scholarships. It is hard sometimes to get away for an entire week at a time for some of us. There has been some talk of maybe offering smaller scholarships to study one on one with some of our more knowledgeable members. That's something I would be willing to do. I can think of a lot of members that I would like to spend a day or two at a time with. I think this has been done in the past, but would need to check with the scholarship committee to be sure.

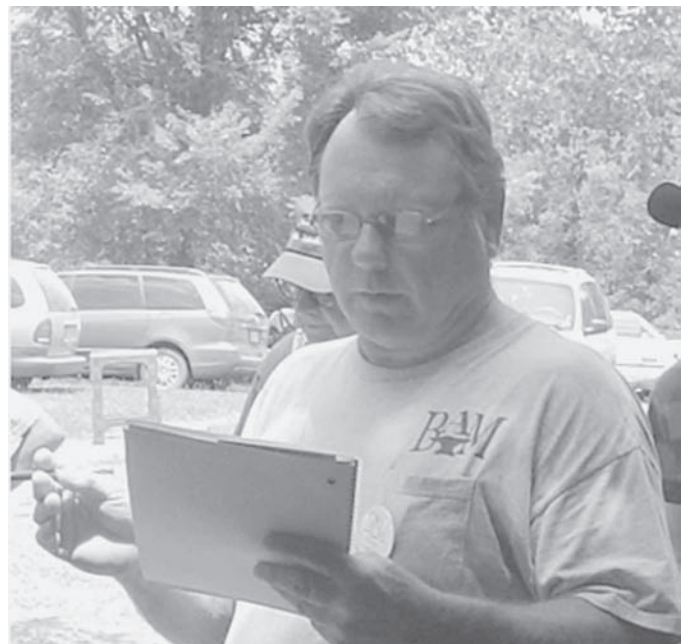
Mike McLaughlin has agreed to be our conference chairman for next year and is organizing a committee. It's not too early to volunteer to help.

Our meeting schedule is getting booked for 2012. Right now July and November are open.

One final thought. In this heat drink lots of water. We had one younger guy hospitalized for a couple of days when we were sandbagging due to dehydration. Just remember to drink water even, when you're not thirsty.

See you at the next meeting.

Doug Clemons
660-595-2257
cclemons@cdsinet.net



Garden arbor project

I am going to have to apologize to everyone who helped with the arbor project because the list that we made up at the conference trying to get all the names of the people who worked on it and made rings for it was lost. So I am going to try and talk about it and not mention any names.

As most of you are aware, the project was started two years ago and I had hoped to have it done for the 2010 conference, for personal reasons that did not happen so it was a long time coming. The project idea was not mine to begin with someone else suggested it as a possibility among a couple other ideas and since we wanted to do a ring project like Tom Clark always wanted us to do, it was decided the arbor design had the most to offer. It was also decided that we could also use other decorations besides just rings to add flavor to the project. The theme was “anything from the garden and BAM’s 20th conference anniversary. It was made over at least three different hammer-ins and might have been four. The frame has been in my shop for over a year assembled but not finished and taking up space. One of the first hammer-ins we made the uprights and all of the cross pieces there was a lot of slitting and drifting done at that time and I learned some things about the way steel behaves when slit and drifted. It does not always stretch evenly. Even making test pieces does not always define what will happen with the finished project. The next hammer-in that I can describe was the one last fall where we made all the ties and rings to be decorated as well as some of the other decorations that were applied to the finished arbor. I know there was another smaller hammer-in between and a few get together by a couple

of us locals to do some assembly and finishing. I have to apologize also to some people who made some non-ring decorations that got lost in the clutter of my shop and not applied to the arbor. I will try to get your pieces back to you in the future so you can put them to use somewhere else.



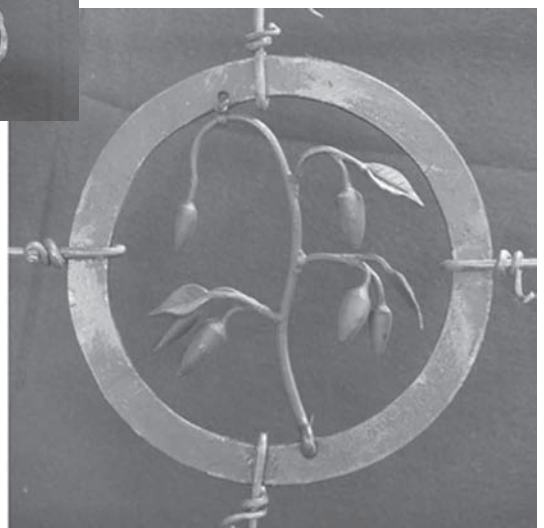
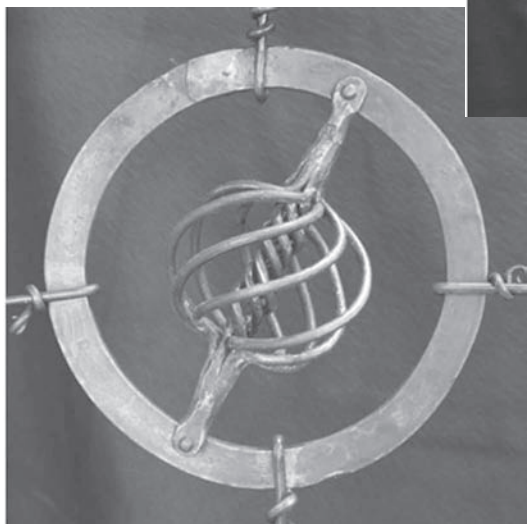
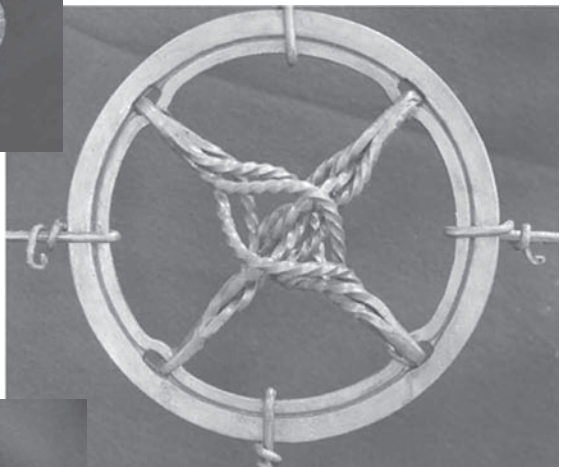
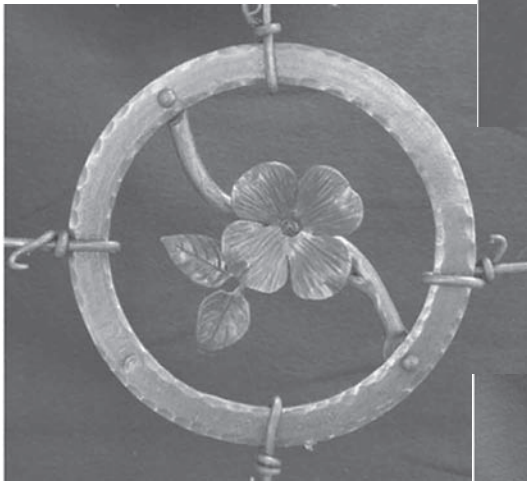
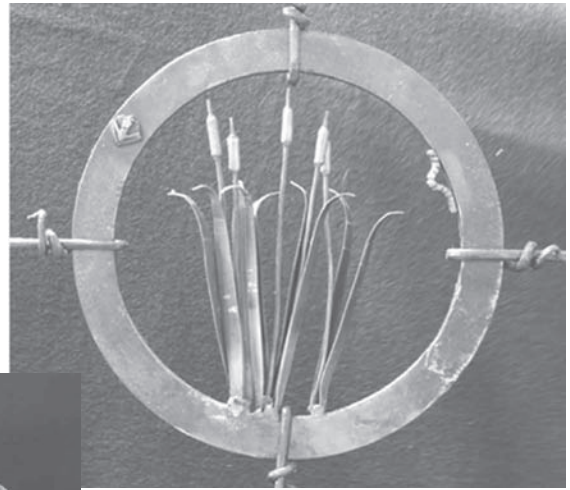
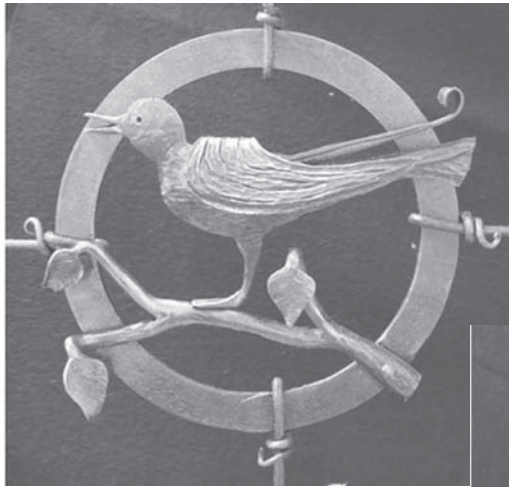
All in all, I was very pleased with the way it came out and especially the rings and decorations that others made and donated to the project. I am going to say that I will probably not try such a big project for the auction again as I can't give up that much shop space for such a long period of time. Having said that, I think that things like this are very important to us as a group, it makes us work together, and share ideas. It brings us together as an association and makes it easier for more people to donate to the group as a whole. I learn many things every time I do a project

like this from watching the others work to how best to coordinate the ideas to make it a reality.

My deepest thanks to all of you who made this possible with your time and effort.

Ken Jansen

Garden Arbor Rings



Doniphan Meeting

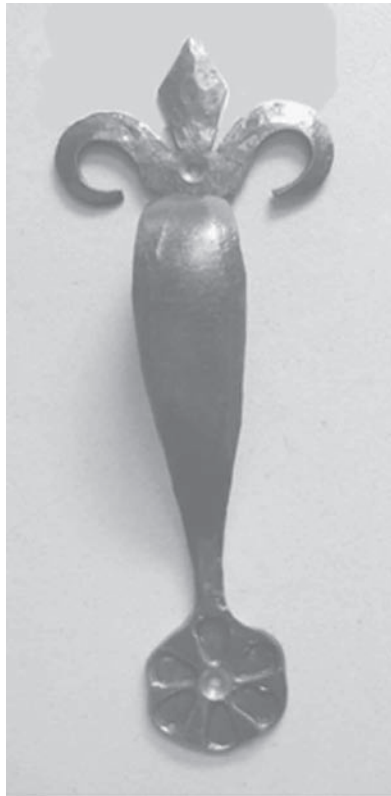
By Chris Miller Pictures by Ron Kelley

There were three demonstrations. I demonstrated the forging of a leaf handled letter opener out of an 11 inch long, 3/8 inch round rod. Then Steve Eikerman and Ray Joe Hastings demonstrated the forging of a fishing gig using a spring steel blank. Ray Joe worked on the tines while Steve rolled the shaft collar. The third and final demonstration was conducted by me with the help of Gary Parsons. We took a claw hammer head and reformed it into the head and ears of a donkey; we call it a Missouri "Jack" Hammer. Steve Eikerman then put a hickory handle on it after it was wire brushed and lacquered.



Doniphan Trade Items

Pictures by Bernie Tappel



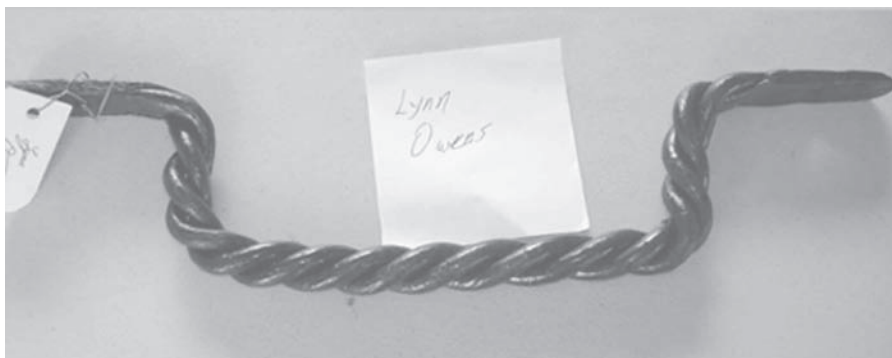
Bernie Tappel



Don Anders



John Huff



Lynn Owens



Chris Miller demo letter opener



Scott Woods

Damascus Anvil

by Bob Ehrenberger

Every year I struggle to come up with an idea for the conference auction. Daniel had gotten a bunch of damascus plates in an Iron-In-The-Hat some 12 years ago. They had come from a knife factory and had the profiles of knife blades stamped out of them. What was left was the scrap material not used. Daniel had planned on using the larger pieces for knife guards and other knife furniture. It never happened, once he got good at making damascus he wanted his knives to be all his. So they had just been collecting dust under the bench.

I came up with a plan on how to use them. I cut all the sections apart. I then forged each piece into a little bar that was uniform in thickness and width. The larger of these bars were bundled together and tack welded on the ends. I took my billet of pieces to Corbin's hammer-in and welded them into one solid piece. The billet was folded twice to get the thickness I would need to make the anvil.



Typical scrap



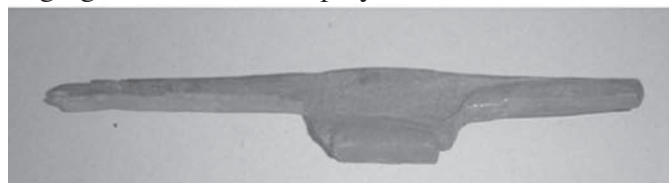
Billet of bars



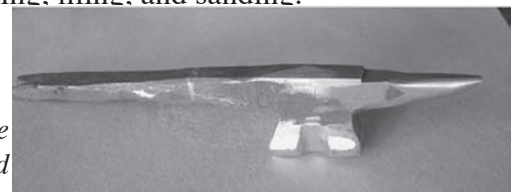
Block of damascus after welding and folding



I took the block of steel home and proceeded to make my anvil. The block was butchered on two sides to separate the horn and heel from the base. I then reduced the width of the whole piece except the base, this made the horn and heel both much longer. I heated the base and upset it in the vice to make it wider and flat on the bottom. If I had more confidence in my damascus making ability I would have refined the shape even more by forging, but I decided to play it safe and do the rest of the work by grinding, filing, and sanding.



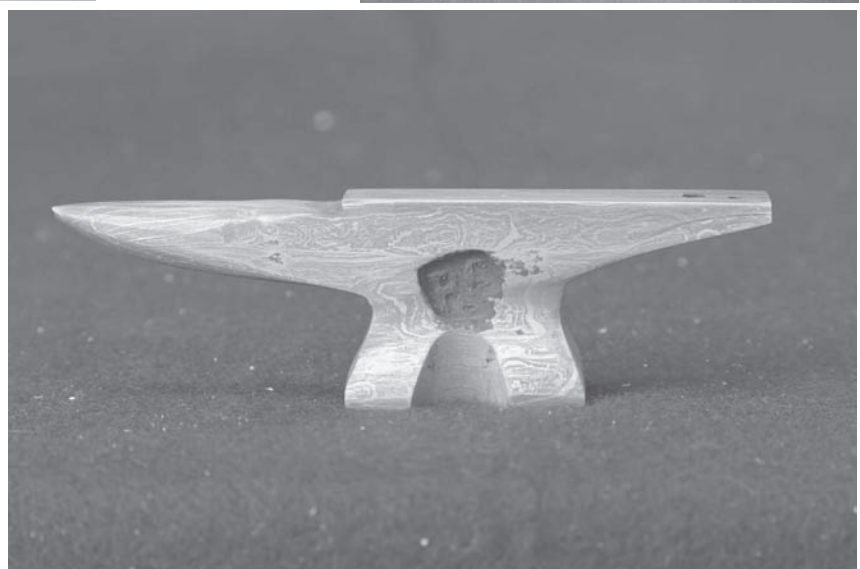
Rough forging



Horn and base ground

After the rough grinding was done, I drilled the pritchel hole and a hole to locate the hardie. I filed the hardie hole square with a needle file.

The whole anvil was then hand sanded down to a 400 grit finish. I hardened and tempered it to bring out the contrast. It was then finish sanded again to 400 grit. Finally it was etched in ferric chloride. Until that point, I had no idea what the steel was going to look like. As you can see, the damascus came out fine.



Mike Gentsch Demonstration

Mike gave a talk on how to make a gas forge. He had purchased a burner from Chile Forge to put in a forge he was making for his son. After seeing how simple it was, he decided to make his next burner himself. Mike did a little research on the internet and discovered lots of information on gas forges. He printed out several articles and passed out a lot of information. The heart of Mike's burner is the junction made from a pipe T. He used a T that had 1 1/2" openings on two sides and a 1" opening on the third. On the side opposite the 1" opening he put in a pipe plug that was drilled to accept the 1/4" burner tube. The side of the plug was drilled and tapped for a set screw to hold the burner tube in place once it was adjusted. The 1" opening will have a 10" steel pipe that goes into the forge. Mike made a collar for the forge end of the tube to make it easy to mount in the forge. An air damper is mounted on the third opening on the fitting which is 1 1/2", this damper is a simple disk that can be rotated over the hole to restrict the air flow.

The burner tube itself is tapped on one end to accept a .035" mig tip. The other end has a shut-off valve and the hose that goes to the regulator. Mike put a quick disconnect on the hose to make it more portable, that's kind of up to you. The 1/4" tube itself was one that Mike got as part of a grease gun repair kit, it was a little bit big so he swaged it down slightly before tapping. I've seen other designs that recommend using the tube from a table lamp.

For the burner body, Mike used a large (2-3 gal.) freon tank. He said that you need to cut the holes in the ends

using a saw, because if you use a torch it puts off some really bad fumes. The tank is lined with K-wool, and the K-wool is coated with ITC-100 reflective coating. The ITC-100 contains the fibers of the K-wool to keep them out of the air and increases the efficiency of the insulation. Simple legs were welded on the bottom of the tank, and a collar was welded on the side that mated up with the collar on the end of the burner. You can also make simple doors for the forge or just block the ends with fire brick.

Mike lit his new forge for the first time and within a few minutes was heating steel in it. He even managed a forge weld on a basket.



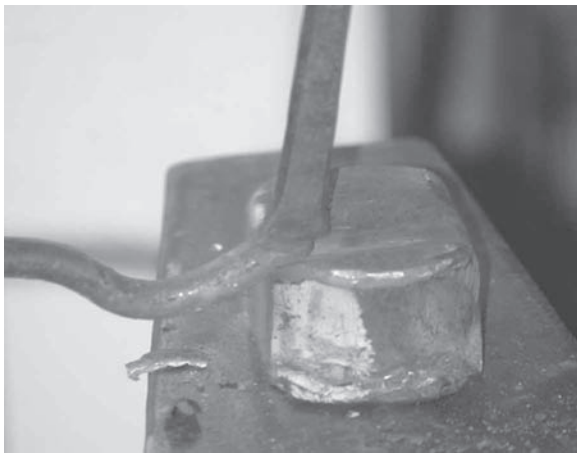
Mike Maddox Demonstration

Mike has kind of specialized in making teeny tiny items. Before showing how to make the little items he showed how he makes light weight precision tongs. He uses 5/16" rd. for these tongs. The first step is to form the jaws. Because they are a bolt tong they need to be curved at the end, he just does this over the horn and then bend it back with a fork in the hardie. He plays around a little to get them to match since it is all free hand. The jaws are finished by bending the very end out on the edge of the anvil and making a groove in them with a special forging block that goes in the hardie.



Above, matching up the two pieces.

Below, using a block anvil and fuller to make a recess in the end of the jaw.



The place for the joint is made by fullering two spots, and then flattening out the space between them. He used a hardie tool to do the fullering and a small ball pein hammer to do the flattening.



Above, fuller the area for the joint.

Below, use a ball pein as a flatter to make the joint.



Left, check the fit of the two pieces before punching the holes.



Continued on page 15

Mike Maddox cont...

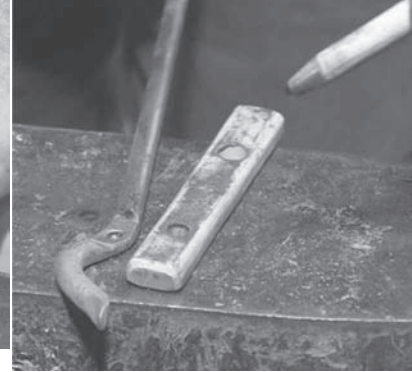
Once Mike was satisfied with the fit of the two halves it was time to punch the holes. Mike starts the hole with the flat side to the anvil and the recess up. When he has a good depression he flips the piece over and uses the solid section of his bolster to back it up while he knocks the slug loose. He then moves it to the hole in the bolster to remove the slug with a sharp pointed punch. This prevents the hole from getting distorted or enlarged like it sometimes does when you use the flat end punch to clear the slug.



Close up of bolster, two rivet head impressions and a through hole.



Punch first side of hole with flat end punch.



Left, loosen slug on solid part of bolster.



Right, remove slug with sharp punch over the hole in the bolster.

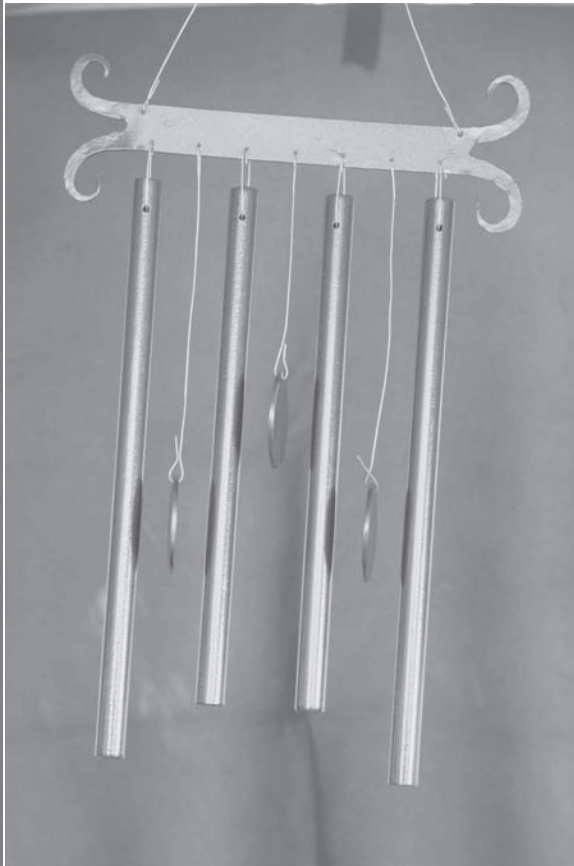
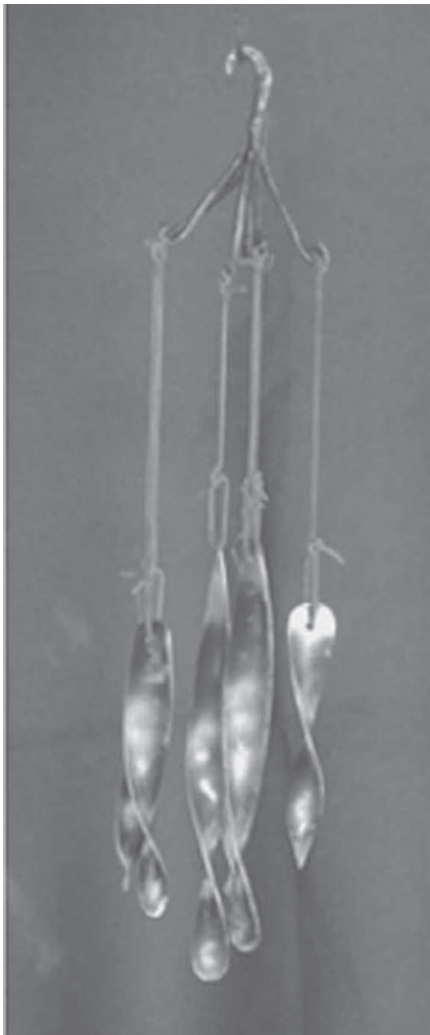
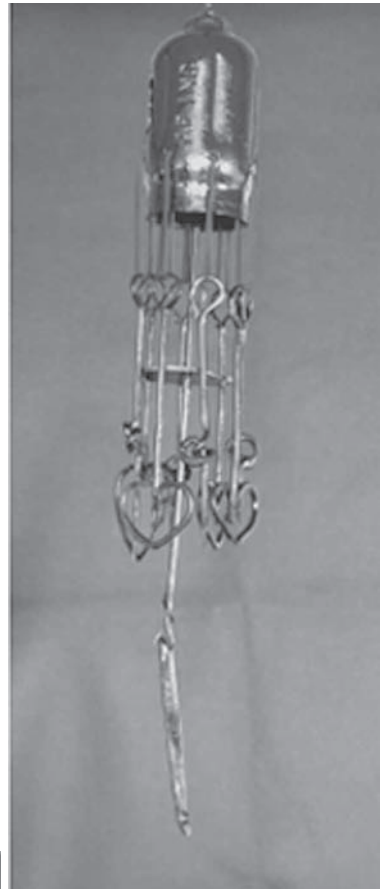


The rivet set is made with the same ball punch that was used to make the head impressions in the bolster.



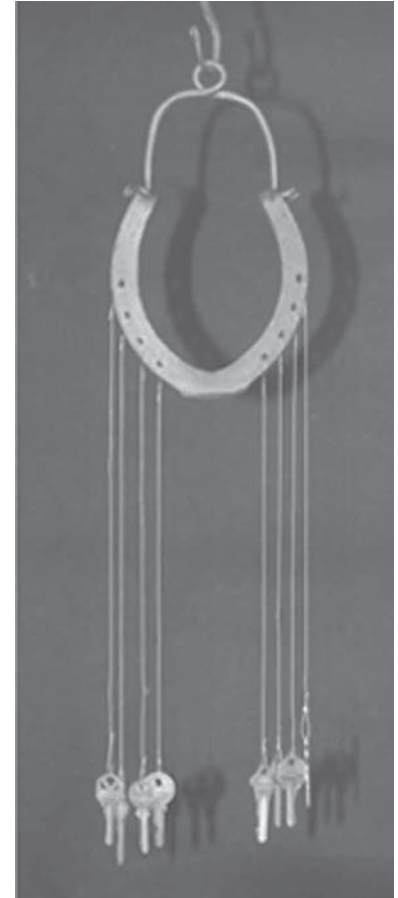
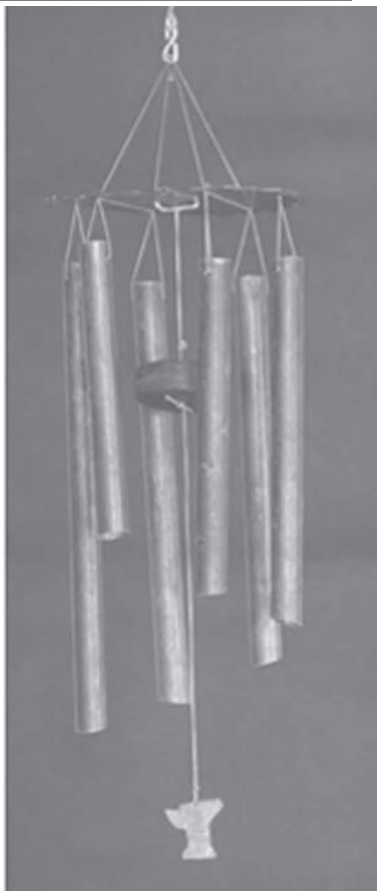
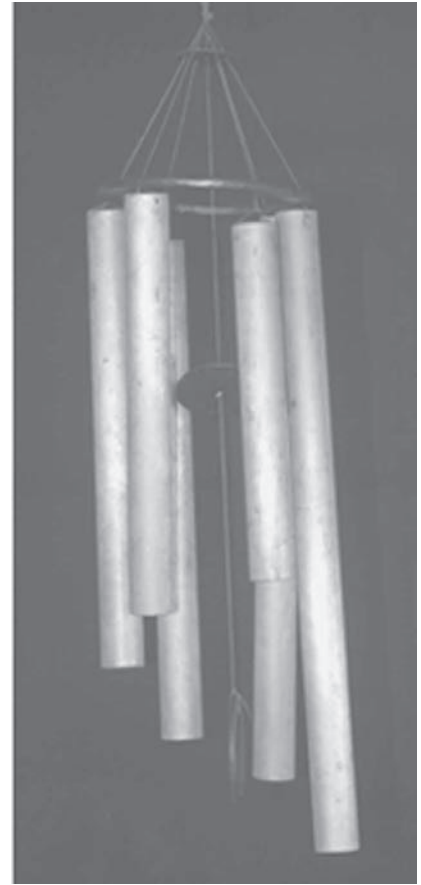
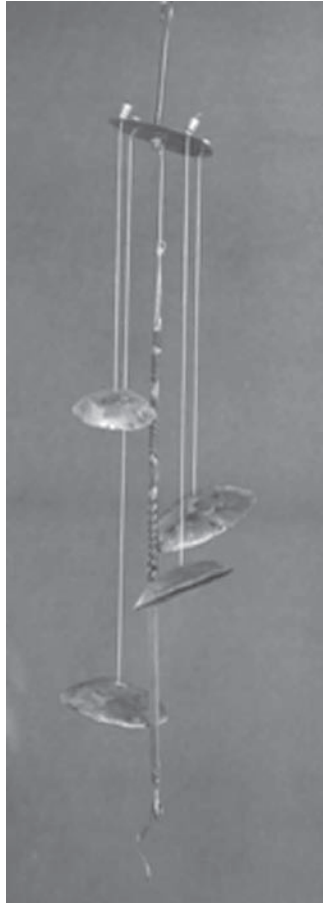
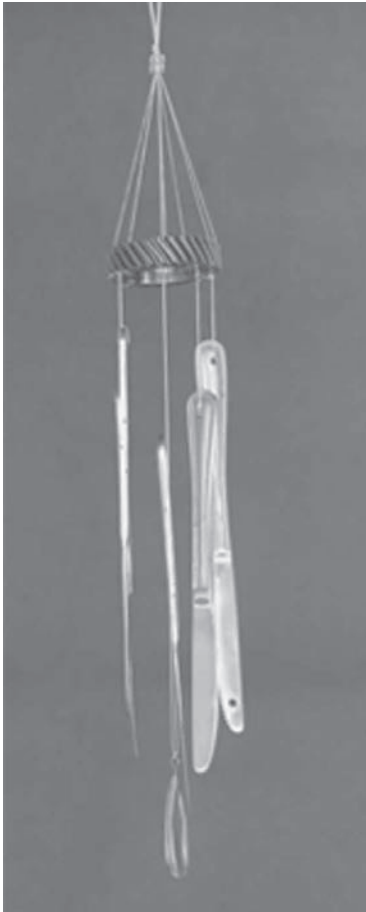
July Meeting Trade Items

Pictures by Bruce Herzog



July Meeting Trade Items

Pictures by Bruce Herzog



JULY-AUGUST 2011

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More pictures from Mike Maddox Demo.



*Top left, Mike's son-in-law on the blower. Top right, tiny fish
Center left, tiny heart. Bottom right, Mike holding the tiny heart.
Bottom left, tiny leaf.*



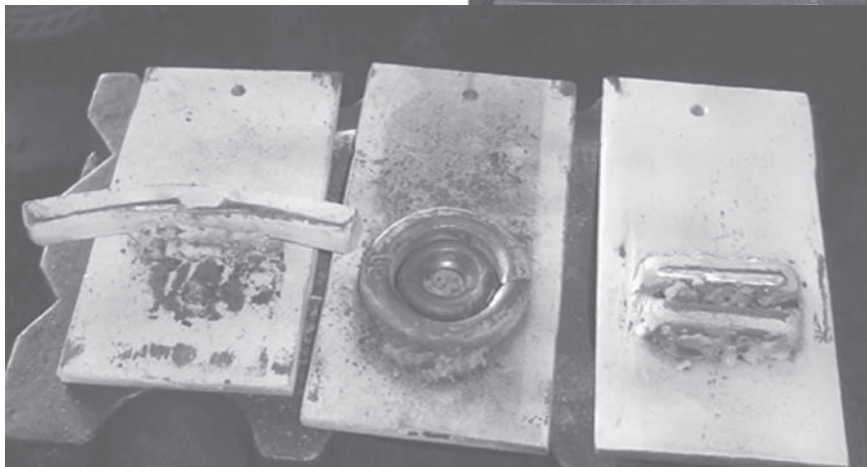
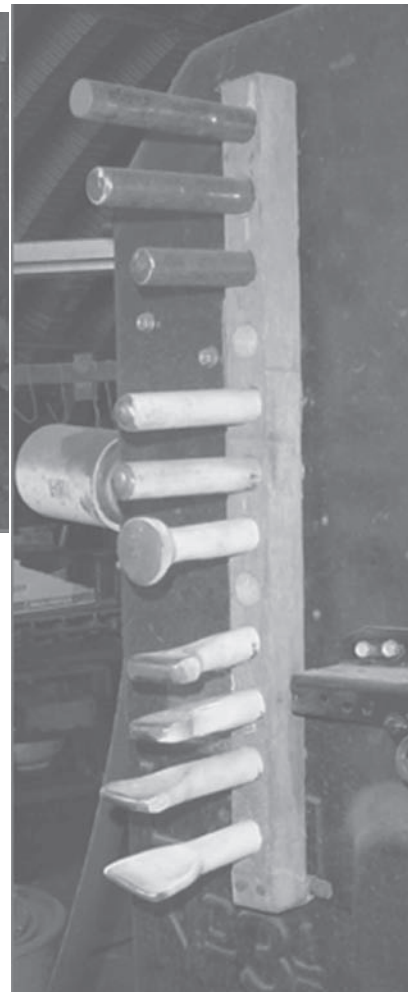
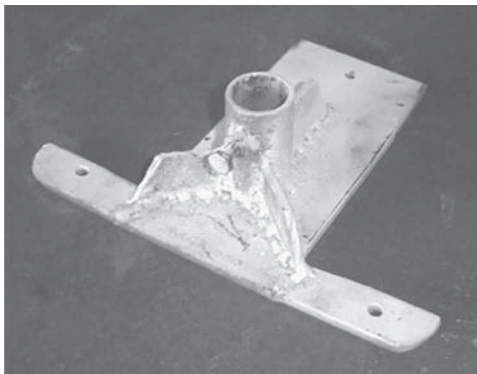
Sheet metal Tooling for my press

By Bob Ehrenberger

In an effort to make my hydraulic press more useful, I made sheet metal brake dies for it back in March. It seems that I'm doing more sheet metal all the time and I wanted to put the press to use. I make a lot of plates and bowls that have a flat rim on them. The rim isn't hard to make but takes a lot of time and heavy hitting, and I'm not getting any younger. I had started to make tooling for my kick press and it takes a 1" rd. bar, I happen to have a length of 1" sucker rod that works just fine. So I decided to use the same stock on my hydraulic press. The first step was to make a holder, the sucker rod was a good fit into a piece of heavy steel pipe. I drilled a hole in the side of the pipe and welded on a nut so I could use a bolt as a retainer. The pipe was welded to one of the quick change plates and then reinforced with three wing braces. For the bottom die I bent a piece of 1/2" sq. to simulate the radius on the edge of my swage block. I mounted this to a bottom plate to have about 3/16" clearance on the top tool. For my initial top tools I just ground a radius on the end of a bar, one like a rounding hammer and one like a ball pein hammer. This worked pretty good and I found that I could do about 75% of the job cold under the press.

My next challenge was to make bowls. For this I used the same top tools and added a simple ring for a bottom die. This worked pretty good but had a tendency to leave dimple marks on the bowl, which in some ways is kind of neat, but not always desired. So I made a new top tool with a huge amount of upset on the end that resembles a planishing hammer. This smoothed out the hammer marks.

My final set of tools are for creasing and fluting sheet metal. The bottom dies are just two rods welded to a plate with a space between them. For the top tools I upset the end of a bar and then forge it into a fuller. The results exceeded my expectations.



Layout of Square to Round for Side Draft Forge Hood

(follow up to "June Event" in Pontiac)

by Dave Kervin

During my Sheet metal for blacksmiths presentation in Pontiac I tried to give the basics of layout work so my fellow smiths could understand what they were seeing in sheet metal manuals. It was a partial success, (optimistic view)

I promised a follow up article in the newsletter to clarify the layout of a square to round fitting to top a side draft hood. By the time we covered that subject it was late and they were tired and what was once a haze became pea soup fog.

On the facing page is a sketch of my hood. I didn't design it. I built it on information in a newsletter or magazine. I forget which. It will serve as an example. You will have to build to your own dimension but the technique is always the same.

The top drawings are a side and front view of the box. The dotted lines represent the smoke shelf that induces draft.

The middle drawings labeled "side view and top view" are of the Square to Round that converts the box to round pipe size. They should be drawn to scale or full size because all your information for layout is there.

The "top view" is a 10" round circle (pipe) centered on a 20" by 11" rectangle (box). Because it is on center both ways, each quarter is identical and everything you need is there. The circle is divided into equal parts. You can use the radius to step off from the center line and line BB' and divide those spaces in half or divide it as you like but *they must be equal*. I used the radius and divided that distance in the example drawing. Each of these points is given a number. Six equal spaces give you seven points (1-7). Connect these points to the corner (A) with lines. It is from the corner to these points where the metal changes from rectangle to round in the finished piece.

The left drawing (side view) shows how long the fitting really is. By setting off the points 1 through 7 and S on the base line of the "True Length Triangle" and using the actual length (height) of the fitting as the vertical leg of the "Triangle" (in this case 12") you determine how long those lines really are. The other lines in this drawing are true lengths.

Editor's Note: The lengths of the segments on the base line match those of the lines in the Top View.

Stand by kids we're ready to rock

The layout is the drawing at the bottom of the page.

Set off line AA' (a true length) on your metal. With dividers swing the true lengths of line 1 from each end of AA'. They should cross at the center and form a point. From that point swing out the distance between the points on the circle (1-7, a constant) each way. Swing the true length of line 2 to intersect with the each of those arcs. You now have 3 points. Continue swinging the radius fragments and true lengths, in order, to establish the remaining points.

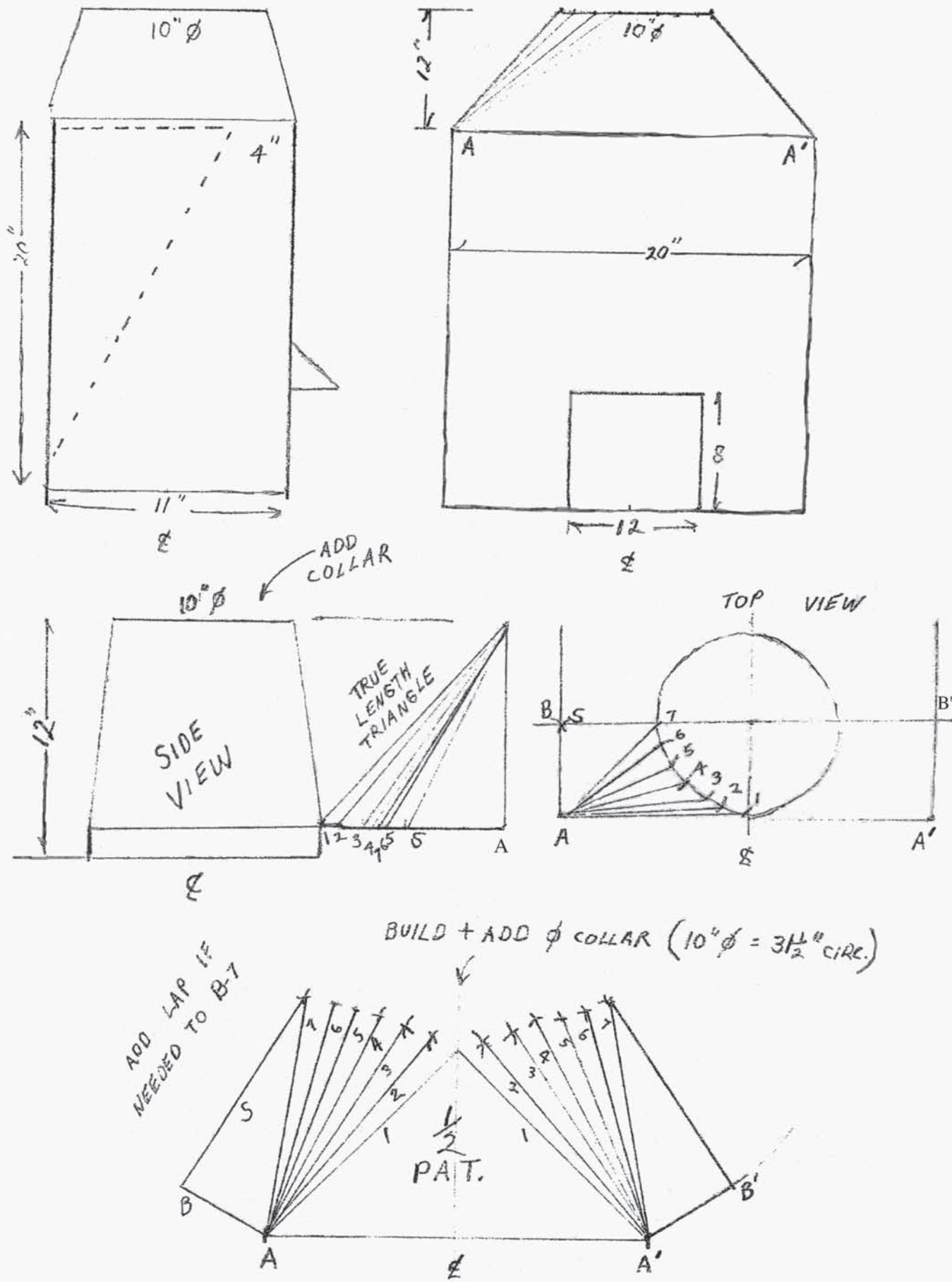
The true length of S (the seam) is swung from point 7 to intersect with the lines A B and A' B' {1/2 the length of the rectangle). You now have all the points to construct a 1/2 pattern. Connect points 7 to B to A to A' to B' to 7. That is the edge of the rectangular portion. Connect all the points 7 thru 1 thru 7'. That will form the radius of the circle.

You may extend from the rectangular section at right angles to make a box, if you wish. The round section has to have a separate collar attached.

Cut out 2 identical pieces of your 1/2 pattern and form it up by kinking on the lines or just rolling it over a post.

If you are using 16, 18, or 20 gauge metal, you can weld it all together. Lighter metal will require a seam. Add material to the edges for a seam if needed and rivet the parts together.

Reprinted from the Illinois Valley Blacksmith Association "The Tuyere" July/August 2011



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BLACKSMITH DEPO / KAYNE & SON: did not attend but sent a donation

NC TOOL: did not attend but sent a donation

SPECIAL THANKS TO: ASTRAL PRESS/FINNEY COMPANY FOR THEIR SUPPORT AS CONFERENCE SPONSOR

Shop Tip By Bob Ehrenberger

I needed a sinking hammer for making large deep bowls. I made the last one from scratch, it worked ok, but wasn't heavy enough to really move things along. This time I got a 3# cross pein hammer at conference for \$3. I took the handle out of it and heated it up. I used the drawing dies in the press to stretch the area between the eye and the face. I then upset the face in the vice. After annealing and grinding I used a torch to harden and temper the face.



Francis Whitaker Blacksmith Scholarship

A \$500 scholarship will be awarded for the Traditional Joinery Projects class at the John C. Campbell Folk School, October 30 - November 4, 2011 taught by Clay Spencer. Francis left some money at the Folk School to provide for scholarships for this class. It has grown to the point where we can award 2 or more scholarships each year.

This scholarship is for intermediate and advanced students who have a solid foundation in basic blacksmithing skills, can manage a coal fire and forge weld.

Interested blacksmiths should complete the following application and e-mail it to clay@otelco.net. Contact Clay at 256-558-3658, e-mail or 73 Penniston Private Drive, Somerville, AL 35670 on any questions. Include your name, address, e-mail and phone number.

1. Describe your blacksmithing experience, how many years, classes taken, jobs, kind of work you do, how many hours you forge in an average month.
2. Goals for your blacksmithing career, what you wish to do as a blacksmith.
3. Make a scale drawing of a proposed project (your original drawing, not copied from another source). Should show 2 or 3 views with stock sizes and specify proposed joinery. Include a cut list for the stock. This does not have to be the project actually made in the class.
4. Describe your participation in the blacksmithing community: teaching, demonstrating, craft shows, writing articles, belonging to and attending local groups, attending conferences, etc.
5. Explain why you need a scholarship to attend a class.
6. Do you sell blacksmithing items you make? What type items? How do you sell?
7. Include at least 3, no more than 5, photos of some of your work.

The completed application should be e-mailed (e-mail preferred, regular mail accepted) no later than September 22, 2011. Successful applicants will be notified by September 28, 2011. Your application will be judged against other submissions to determine the winner.

The money will be paid directly to the Folk School. You will be responsible for all other costs such as fuel fee, materials, transportation, etc. The school has dorm rooms and a campground.

After the class you are requested to write a 2 page article explaining some of the blacksmithing techniques used in making your project, (include some photos or sketches) and send it to your state organization.

Francis required that students prepare a drawing before the class and send to him so that any problems could be worked out before class. He emphasized that drawing was another skill that a successful blacksmith must acquire. You must be able to make a drawing to present a proposal for a client or draw your project on steel table so you can make it. Most everyone has done some sketching, doodling or drawing, it is nothing to be afraid of and your first attempts do not need to be professional. Just start sketching, sketching, sketching, refining your ideas until you figure out the joinery and stock sizes you think are right. Then start making it to scale, easiest way is to use quad paper. You can get large sizes, about 2' x 3', with 1" squares

Chances to win a scholarship have been 100% for the last 3 classes. Good luck.

Buy, Sell, Trade

Individual Classified ads

For Sale: # 2 beverly shear. \$500. Contact Colin Campbell 636 -583-3512. thanks.

Commercial / Resource ads

Services:

Beverly Shear Blades Sharpened. Remove blades from shear and ship to Clay Spencer, 73 Penniston Pvt. Drive, Somerville, AL 35670 \$35 plus postage, additional cost for deep notches or blades previously sharpened at angle.

Custom spinning in copper, brass, pewter, and steel. Contact Ken Markley, 7651 Cabin Creek Lane, Sparta, Ill. 62286. Phone: (618) 317-1958 Fax: (618) 443-5284

Little Giant-- We can do repairs on any or all components of your Little Giant front assembly. Contact H. "Sid" Suedmeier 420 4th Corso, Nebraska City, NE. 68410 (402) 873-6603

Roller Blade Treadle Hammers (Clay Spencer design) for Sale or Workshops led to build hammers. Bob Alexander, e-mail to scruboak4@netzero.com, or call 636-586-5350.

Information / Education:

Tong Making Class-Weekend Course 4 people per class - \$125 per person Contact: Charles Comstock Rt.1 Box 20, Deerfield, MO. 64741 (417) 927-3499, or (417)-321-2286 cell

Back issues of Jerry Hoffmann's **Blacksmith's Journal**, Call 1-800-944-6134 for more information.

Classes offered, The Ornamental Iron Shop Contact the instructor to register and customize your class. John D. Thompson – Metalsmith 3923 Hwy 25; Hodges, SC 29653 864-374-3933

Mathias Penn is offering introductory & beginning blacksmith classes. 417-683-9000 Tytheblacksmith@yahoo.com

Classes at Pieh Tool Company, Inc. - Camp Verde, AZ The Bill Pieh Resource for Metalwork. Call now for more information and to enroll: (928) 554-0700 or (888) 743-4866. www.piehtoolco.com.

The Upper Midwest Blacksmiths Assoc (**UMBA**) **video library**. An index list can be viewed at www.umbaonline.org They are VHS or DVD-R Cost is \$5 each with \$2 per order shipping There is no return date, you keep the video for this price. All videos are made at group demos, no commercial titles.

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New England School of Metalwork

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Power Hammer page

I've taken some time to collect and post old info, catalogs and brochures on power hammers. The link of our NEB web page to this information is: http://www.newenglandblacksmiths.org/power_hammer_info.htm Ralph Sproul

Products:

Heavy duty **Frying Pan Blanks**: Steel, approximately 9 inch in diameter with 2 inch sides. 12 gauge (2.5 lb.) or 14 gauge (1.75 lb.) thickness. Contact: Bob Tuftee, 3855 Aspen Hills Dr., Bettendorf, IA 52722; bobforge@hotmail.com; (563) 332-4800.

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Buy, Sell, Trade, Continued

hammers for sale. Contact Dave or Betty Edwards by e-mail at djedwards@cableone.net, or write us at 3008 Hacienda Ct., Emporia, Ks., 66801, or call us at (620) 343-1947. For more information, go to www.persimmonforge.com and click on both "Pedal Hammer" and "Video Demo of Pedal Hammer."

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Wanted:

I am a BAM member and I'm on the advisory board at Ranken Technical College, St Louis. They are looking for a volunteer to do blacksmithing demonstrations at their summer camp where they teach metalworking. They have a new welding school facility that is unbelievable and they have three gas forges. The dates are July 11-15 and July 18-22. The forge work would just be for a few hours, preferably in the morning. For more info contact John Baima at 314 286 3604, or jmbaima@ranken.edu

Demonstrator List

Fred Weisenborn has started a list of members available for demonstrations, fairs, historic events, and festivals, etc. 417-589-2497 e-mail: jweisenb@llion.org

Around the Anvil BAM has it's very own E-Mail news group. If you would like to participate send an E-Mail to Ed Harper at aramed@grm.net and he will get you signed up.

Check out back issues of BAM newsletter on bamsite.org.

The Guild of Metalsmiths

Fall 2011 Metalsmith Madness on 16-18 Sep 2011
at the Log House Antique Power Show South of Hastings, Minnesota.

Demonstrators are Brian Brazeal and Tom Latan'e

Contact: Marty Hix 651.492.0899

2223 Stewart Avenue

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OR

Herb Fick

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**Two 1-day clinics with
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3. Doug Clemons, (660) 595-2257
RR1 Box 124,
Malta Bend, MO. 65339

4. Jerry Rehagen, (573) 744-5454
390 Bozina Valley Trail,
Freeburg, MO. 65035

5. Jeff Willard 417-742-4569 or 417-827-2123
612 John F. Kennedy
Willard, Mo. 65781

6. Joe Hurley (660) 379-2365 or 660-626-7824
Rt1 Box 50
Downing, MO. 63536

7 Paul Lankford, 573-473-7082
25849 Audrain Co. Road 820,
Mexico, MO 65265

8. Bob Maes, 573-866-3811
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B. Matthias Penn Oklahoma coal Price, 25cents/pound for any amount. Located in Ava, MO. 417-683-9000
E-mail: tytheblacksmith@yahoo.com

Upcoming Events:

August 11-21-2011 Missouri State Fair Sedalia, MO contact Kent Harbit (660)-647-2349 to volunteer
Aug. 20, Grand Opening/Fundraiser for the Transue Bros. Blacksmith and Wagon Shop Museum at 309 Main Street,
Summerfield, KS. David Zahm 402-520-0694 or 402-520-0644

September 10, 2011- BAM Meeting, Bob Ehrenberger, Shelbyville, MO. (573)-633-2010 Trade item: Chisel
No Food Provided, Bring a sack lunch

September 16-18 The Guild of Metalsmiths Fall conference See info page 25

September 17 **Newsletter submission deadline**

October 1 - Application deadline for November Scholarship awards.

November 5th Tentative date - BAM Meeting, Don Nichols, Versailles, MO. Trade item: Letter Opener

January 1 - Application deadline for February Scholarship awards.

December 2-3 Hand hammer class. See info page 25

January 2012-BAM Meeting A & K Cooperage, Higbee, MO 660-456-7561

March 2012 - BAM Meeting Hank Knickmeyer, Cedar Hill, MO 636-285-3210

April 1 - Application deadline for May Scholarship awards

April - May -**BAM Ozark Conference**, Sedalia, MO contact Joe Hurley at acornridge3@yahoo.com

May, 2012-BAM meeting Ned Digh, Ham's Prairie 573-642-9502

July 1 - Application deadline for August Scholarship awards.

July 2012 - BAM meeting Open;

September 2012 - BAM meeting Fred Arnhold, Bates City, MO.

New coal supplier: Matthias Penn has gotten a shipment of coal from Oklahoma and would like to make it available to BAM members. Price, 25cents/pound for any amount. Located in Ava, MO. 417-683-9000 E-mail: tytheblacksmith@yahoo.com

New Members

If you have a new member near you, welcome him to the group and show him the ropes.

Epps, Ronnie
P.O. Box 932
Ava, MO 65608
250-0024

Monfee, Martin
RR3 Box 8344
Doniphan, MO 63935
573-996-3037

Wagner, Chuck
42005 E 315th Street
Creighton, MO 64739
flyer66@fairpoint.net
816-564-1204

Landers, Teddy
6670 CR 8800
West Plains, MO 65775
teddy@handers.com
417-256-0699

Mullins, Anna
297 Wolfrum Road
Weldon Springs, MO 63304-
9102
annam@tionol.org
636-926-9192

Lewis, James
11648 Hwy D
Dixon, MO 65459
573-433-0810

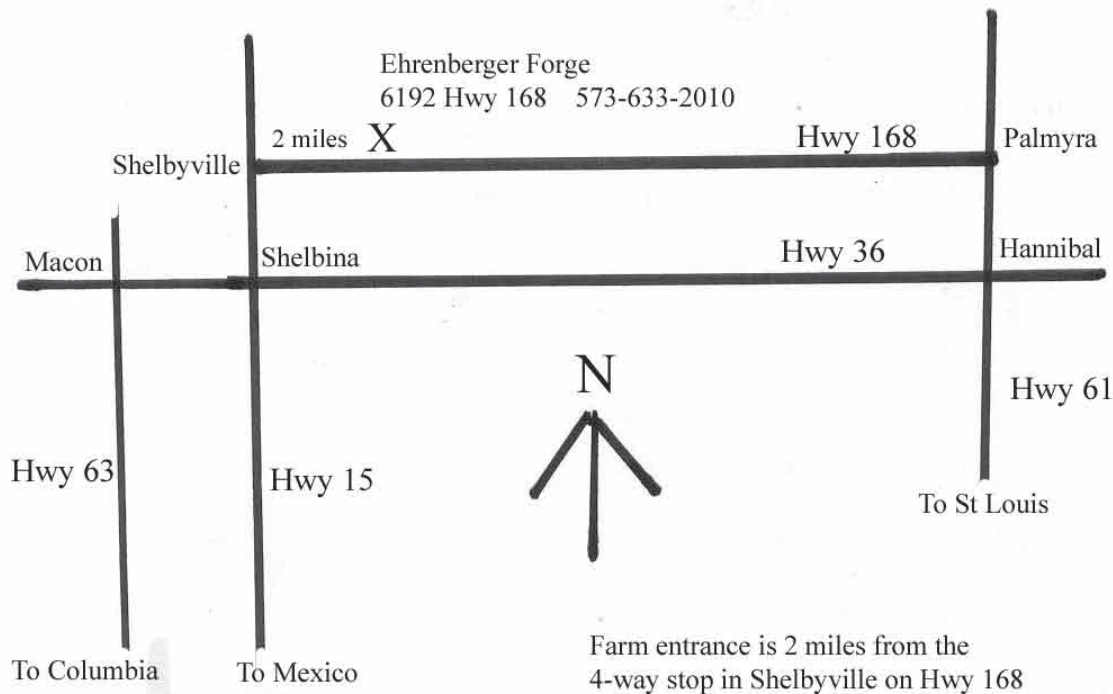
Raber, Vernon
2251 Clinton Drive
Mt Grove, MO 65711
573-962-5741

BAM

2212 Aileswick Dr.,
St. Louis, MO 63129

Please send changes to Bruce Herzog, 2212 Aileswick Dr., St. Louis, MO 63129 or e-mail to bjherzog@att.net

Next Meeting: September 10th, Shelbyville, MO.



Camping:
We have lots of room, no hook-ups. If it has been wet, please call to make sure the fields aren't muddy

Location:
Ehrenberger Forge
6192 Hwy 168
Shelbyville, MO

Host: Bob & Jan Ehrenberger
Phone: 573-633-2010

Food: NO,
Bring a sack lunch

Trade item: Chisel.