

RAM

MAY-JUNE 2011



Arbor/Ring project

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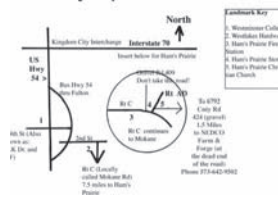
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**Newsletter of the
Blacksmiths
Association
of Missouri**

Volume 28 No. 3
MAY-JUNE 2011

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Doug Clemons

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Bruce Herzog

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.

MAY-JUNE 2011

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Are you interested in taking a class?

How did you learn about BAM? _____

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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Primary ABANA Chapter Affiliation: _____

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Includes a Subscription to the Anvil's Ring and The Hammers' Blow magazines

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See reverse

Send this form in an envelope with your payment to:

BAM,
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

Card Number

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Checks must be in U.S. currency

SEND RENEWAL TO:

ABANA

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ABANA

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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

We had a wonderful spring conference. For maybe the second time ever, we had nice weather the whole weekend. Like usual, we had some really nice stuff in the gallery and the auction. I volunteered and was assigned to help Phil Cox and Sid Suedmeier. Sid brought his own helper and Phil didn't need much help, so my job was pretty easy.

Thursday afternoon we had three excellent demonstrations by BAM members, to entertain those that came early. Bernie Tappel made a fishing gig, Walt Hull made a thumb latch door handle, and Pat McCarty showed how to make an acorn and an apple from a piece of pipe. If you don't come on Thursday, you are missing a great opportunity for some interesting demonstrations. On Thursday night Rodger Degner (of UMBA DVD fame) showed how he makes Mokem from a stack of quarters.

The forging contest was a lot of fun, even if I didn't win, or place in the top 3. I tried folding and welding my piece to increase the mass to work with, but it didn't work out, and I had a really ugly finished piece.

I would like to thank Bruce Herzog for taking pictures at conference. He sent me a DVD with over 600 pictures on it. It's a daunting task just to organize and review them all.

The Black Jack Memorial Gate Project ran as a side task throughout the whole conference and many BAM members helped out when they had some time to spare. It is a huge project, but I think they made a pretty good start.

The winners of the raffle are, Mel Robinett - tool box, John Cowherd - tool box, Dan Wedemeyer - tool box, Dan Quinn - swage block, Tracy Johnson -

Grinder, and Don Forlow got the Anvil.

Letter from Scott Stager:
Denis Yates provided the following dates for BAM sponsored activities at Camp Hohn on the west side of Lake of the Ozarks (near Laurie, MO).

If you have helped in the past, or if your are interested in helping this year, please mark these dates



on your calendar. Contact Denis directly at dfyeagle@eaglesforge.net to sign up

Cub scouts June 14-18
Boy scouts June 19-25,
Boy scouts June 26- July 2,
Boy scouts July 3-9.
Cub Scouts July 12-16
Webelos July 16-20

Denis primarily needs help for the three weeks of Boy Scouts where he runs a full merit badge program. It helps greatly if he has 2-3 additional smiths present during those weeks. The other weeks are

likely to be demonstration only, but if you want to stop by to help demonstrate during those times, give Denis a holler.

Also, could someone bring this up at the upcoming BAM meeting in Doniphan. I'm not going to be able to make it.

--Scott

The following people contributed to the Gallery display this year. There were a lot of really nice items, you did yourself proud.

Doug Knight - Apprentice
Pat McCarty - Master
Jim Ratliff
Walt Hull
Roger Degner
Don Nichols
Dan Boone
Terrence Clark
George Rousis
Peter Parkinson
Doug Hendrickson

From Eileen's collection

Brian Brazeal
Jeff Mueller
Bob Ehrenberger
Dave Edwards
Jacob Lefton
Burton Mannall
Lillian & Daren Fitzpatrick
Sergei Polubotko
Donated by The Copper Heron
Ken & Nancy Zastrow
Mark and Donna Clifford
Joe Hurley

The next Newsletter submission deadline is July 23

BUSINESS MEETING for BAM CONFERENCE 2011

BY Secretary Don Anders

BUSINESS MEETING

Motion made by Ned Digh, the chairman, for BAM Nominating committee.

Seconded and accepted.

President Doug Clemons

1st Vice President Fred Arnold

2nd Vice President Ed Harper

Secretary Don Anders

Treasurer Bruce Herzog

All other positions to remain the same, please see www.bamsite.org for additional information.

If you are interested in making a 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 force air gas forge workshop, if interested, contact Bob Alexander.

Treasurer's report given by Ed Harper for Bruce Herzog, membership is now 550 members.

July 16 - BAM meeting at Ned and Esther Digh's. Ned and Esther are again collecting for the local food bank, in place of meal donation please bring 2 canned meat items, more is always welcomed.

Please check for additional blacksmith activities in the Midwest, the Upper Midwest IL. Conference should be a good one, and Mark Aspery is having a class in Kansas, check the CSMA website.

It was a really good conference with a lot of activities, the local BAM blacksmith's were well represented, with Bob Stormer, Phil Cox, Bob Patrick, Lou Mueller, and Sid Suedmeier doing demos, and the best of BAM doing short, but really good stuff. Jo Nietfeld, Mona Pieron, and Mary Jo McCarty doing family programs. I got to watch Bernie Tappel make a fish gig, I had missed the meeting in Doniphan where the gig was made, so I feel like I am getting up to speed there. If I missed anyone, I am very sorry, I tried to see everything, but I know that I probably missed as much as I saw. The Black Jack Gate Project was a center of activity, we lost our President, Ken Jansen, there and he didn't come up for air until the conference was almost over.

Editor note:

Don Nichols and Joe Wilkinson were made life members, Ken Jansen was given the Founder's award for service.

BAM MEETING for MAY 2011 at DONIPHAN hosted by Chris Miller

Minutes by Don Anders

A really good meeting with Chris Miller and company, both giving good demos. Chris made a letter opener with a leaf, and a animal head claw hammer. I must apologize, I do not remember his name, but a gentleman made a really nice single barb fish gig or spear head. Chris opened the Museum and we had a really nice viewing, with plenty of time to enjoy all the displays.

BUSINESS MEETING - given by secretary, Don Anders

John Huff brought up that BAM needs to consider changes, to a reimbursement plan for drivers moving BAM trailers, the MTS trailer in particular.

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 Bernie Tappel for Bruce Herzog, every thing on track.

TRADE ITEM DOOR HANDLE

MADE BY

Bernie Tappel

Don Anders

Lynn Owens

John Huff

Chris Miller

Scott Woods

TRADED TO

John Huff

Scott Woods

Don Anders

Lynn Owens

Bernie Tappel

Chris Miller

IRON IN THE HAT

DONATED BY ITEM

Don Anders right hand glove

John Huff Bees Wax

Lynn Owens Jack hammer bit

Lynn Owens Jack hammer bit

Chris Miller catalogs

Chris Miller catalogs

Chris Miller Avdels Book

Chris Miller Catalogs

BAM Doo Rag

Steve Eikerman S-7 ect

Chris Miller pick piece/leaf sw

Chris Miller demo piece letter opener

WON BY

Chris Miller

J.D. Rogers

Chris Miller

Bernie Tappel

J.D. Rogers

Bo McCutcheon

C. Bxxxxxx

Ray Joe Hasting

John Huff

Scott Woods

J.D. Rodgers

Teddy Landers

Letter from the President

Greetings,

This is my first letter since being elected president of BAM.

Many of you know me but for those who don't I guess I should introduce myself.

I am Doug Clemons. I joined BAM about 14 or 15 years ago. I don't remember exactly. I didn't know anyone in the organization when I first joined. I found out about BAM at the state fair. Jim McCarty gave me a newsletter to take home and I joined I think the next month. I knew very little about blacksmithing at the time but I had an old forge my dad had bought at a sale and the old anvil that had been around the farm for as long as I could remember. I was a welder and was used to working with iron so blacksmithing seemed like a proper addition.

If you have seen any of the things that I've made for trade items you will have noticed that I'm not really very artistic. Things I make seem to be more functional than anything.

My main occupation is farming. Most of our farm is in the Missouri River bottoms north and north east of Malta Bend, Mo. Malta Bend is a small town on 65 highway north of Marshall, MO which is about 30 miles north of Sedalia.

In addition I ran a small welding business from the farm doing mostly portable work for excavation contractors and road districts. Now I'm trying to retire from welding but still do a little for friends or neighbors.

I'm disappointed that I wasn't able to attend the meeting in Doniphan. I was looking forward to seeing the set up there. However we were preparing for my son's wedding and the women all thought I should take part. May is always the busiest month of the year on the farm for me. It was compounded this year by my son's college graduation and wedding

If anyone has any comments or suggestions please don't hesitate to contact me.

Enough about me. The next letter will be about something more interesting. I hope.

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

*Auction
support staff at
conference*



Bernie Tappel Gig demo by Bob Ehrenberger

Bernie starts his fishing gigs with a 12 inch piece of 1/4 x 1 3/4 spring stock (5160). The center cut is 4 1/2 inches. The two outside cuts are 5 inches. The stock is fullered with a 1 inch top and bottom fuller set about 1/2 inch past the 5 inch cuts to transition from the gig tines to the shaft and socket. After spreading the tines, the ends of the cuts are fullered with a 3/8 inch fuller to clean up the ends of the cuts and to set the spacing for the tines.

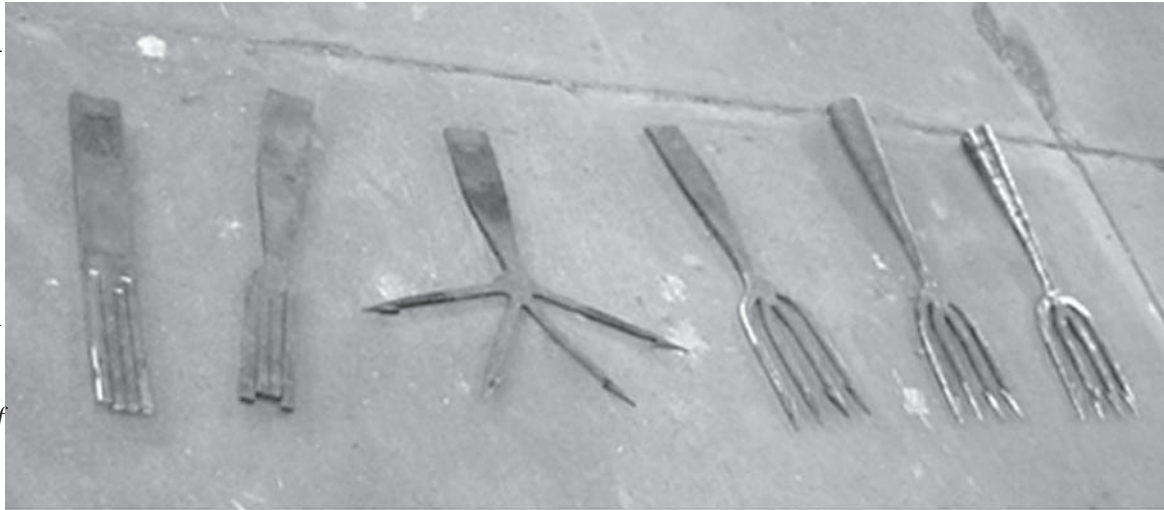
Working on two tines at a time, the barbs are cut and the tines are pointed and rounded up. Bernie has a special hardie tool that lets him forge the tine up close to the barb. Once all 4 tines are forged, they are bent into shape and are pretty much done.

Below, the sequence of steps to make a gig.

The gig is turned around and the attention is turned to the socket.

The metal is flared to 4"-4.5" at the end and tapered back to where it was fullered down by the tines.

Below, set the position of the tines with scrolling tongs.

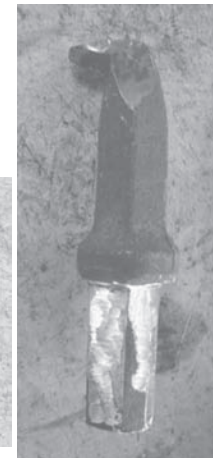


Once the end is wide enough, the rest is thinned down to a uniform thickness, this will add some length to the over all socket. The sides need to be straight. The socket is started in a swage block and then finished over a mandrel made for this purpose.

Left, Bernie flares the metal for the socket.

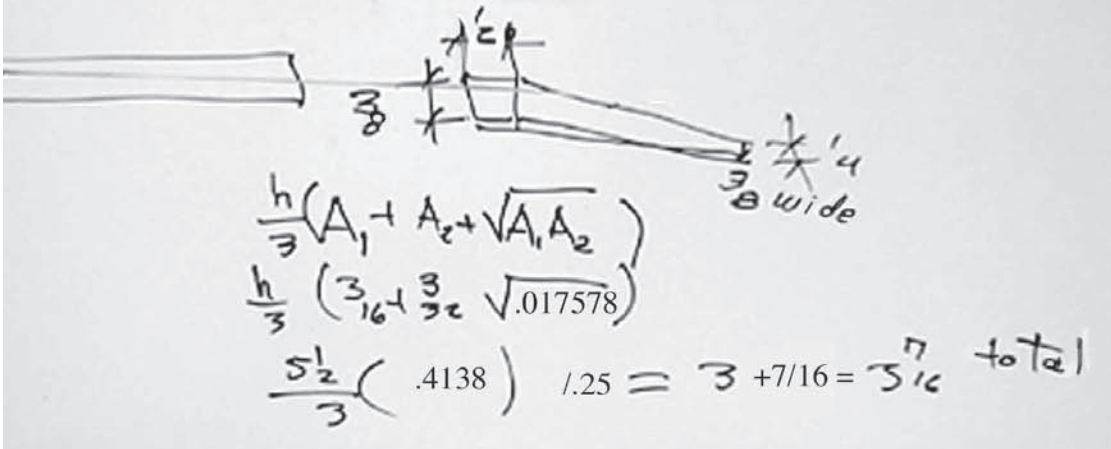
Right, special flat bar tongs and the hardie tool used to forge the tines.

Left, forming the socket, in a swage block and on a mandrel.



Walt Hull door handle demo

Walt wanted to make a thumb release door handle. The main part of the handle tapers from 1/2" x 3/8" down to 1/4" x 3/8" over the length of 5 1/2". You could guess at how much material to start with, but then you have to worry about coming up short or having extra that has to be cut off. Walt suggested that you could do the calculation and have it come out right with no waste. The formula he used was for a truncated pyramid which finds the volume of the handle. Once you have the volume you can use the stock size to calculate the stock length.



Left, Walt's calculations.

I filled in some of the values that he didn't show.

For the cusp Walt used 3/4" of 3/8 sq., which took near enough another 7/16.

When the taper was finished for the handle, Walt made a square bend to transition it to the area where the slot for the latch would be. Walt explained that you could punch the slot first but then it would get distorted when making the corner.

When punching the slot, start from the back side so that you can clear the slug with the handle up on the face of the anvil. This is much easier than trying to clear the slug on the edge of the anvil.



When making the cusp for the screw holes, the top is kept thicker and has three holes. While the bottom can be pretty thin with only one hole. The reason being that most of the force when opening a door is on the top of the handle.



Pat McCarty Demo

If you have been around for a while you have probably seen Pat make an apple from a piece of pipe. He did that at conference but he also added a new twist to making things from pipe. He made a very realistic acorn. In order to make the acorn, he showed us a couple new tricks that made it possible.

First when fullering down the pipe to make the end of the acorn he inserted a 1/4" solid rod when it got down to that size, this way when he closed up the end it had a solid core and made it easier to blend in the forge weld.

The second trick, which I think is wild, was, when he fullered down the area between the acorn and it's cap, he cooled the acorn and drove it up into the cap. When doing this the cap expanded to be larger than the acorn and kind of wrapped itself around the acorn just like the cap on a real acorn. Pat said that you can make it even more realistic by cutting the hatch marks into the cap with a chisel.

The 1/4" rod that was inserted in the acorn to close up the bottom was long enough to extend through the cap so that when it was fullered down, it made a solid stem which could be used to attach it to your project.

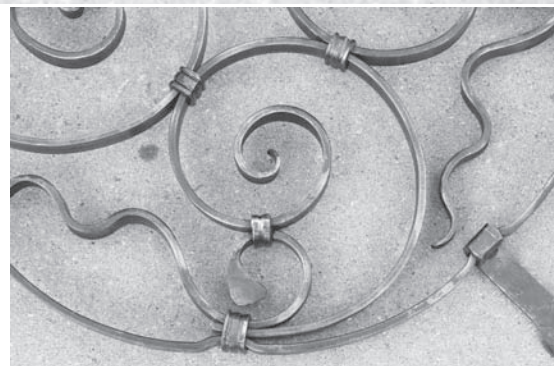
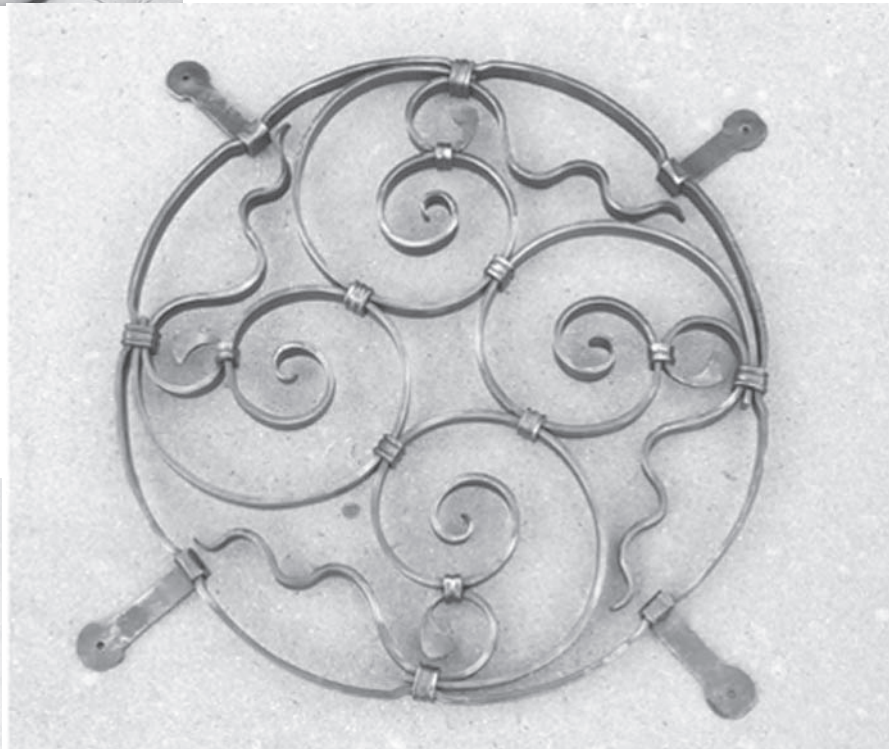


Note: If you want to see the step by step instructions on making an apple, pull the March/April 2006 newsletter from the archives on BAMsite.org



Bob Patrick Grill Demonstration

Bob came and produced a beautiful grill for his demonstration. The grill required several important skills to make. It had a welded ring with 8 matching recesses. It had 4 each of two different scrolls. It had 4 mounting brackets, and enough collars to hold the whole thing together. In order for the scrolls to fit in the ring they had to be made with precision. It is important to remember that the better job you do creating a smooth, even taper, the easier it is to get your scrolls to flow the way you want them to.

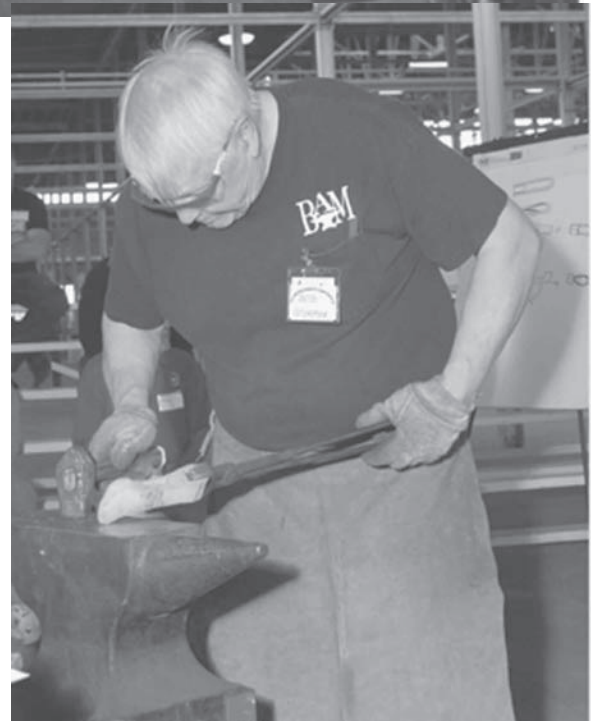
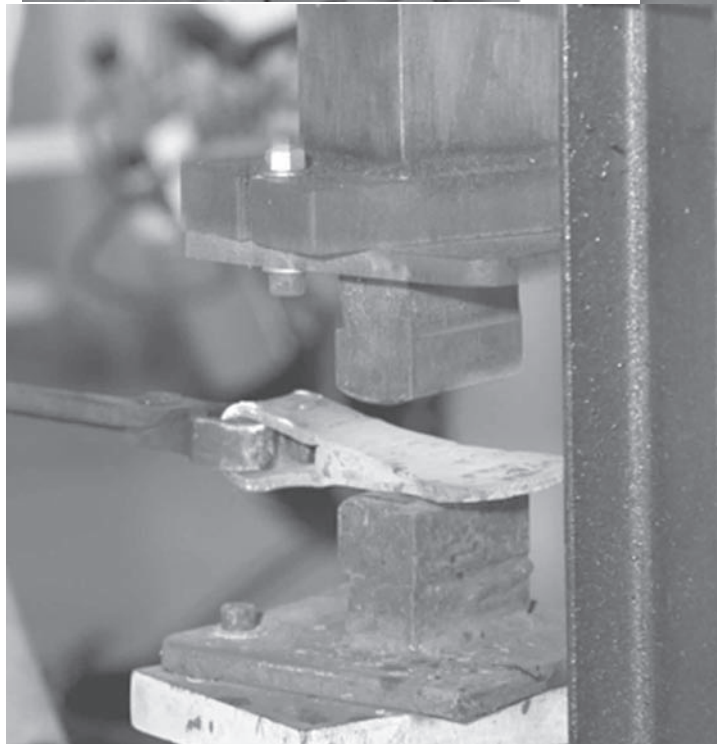


Bob Stormer Demonstration

Bob is a BAM member, a Journeyman Bladesmith, and for many years was the guy that located and our knife maker for conference. When he retired a few years ago, he kind of dropped out of site due to a building project and move. Now that his house is about done, he is ready to get more involved with knife making again.

On Friday Bob made a simple carbon steel blade and spent a lot of time talking about the different steel options that knife makers have.

On Saturday he made a Hawk.



Lou Mueller Demonstration

As most of you know, Lou ran a fabrication shop for many years, as a result he approaches blacksmithing from a tool and die point of view. He has a jig or fixture for just about every job. He demonstrated several different ways to roll the cylinder on a hinge. I saw him use a special jig for upsetting the edge of a flat bar. After his demo was over, I noticed a homemade bender that was kind of a cross between a Hossfeld and a Di-Acro, I sure wish I had gotten a picture of that one.

In addition to demonstrating, Lou used his fabrication skills to make several veining tools for the Black Jack gate project.



Left, Lou upsetting the edge of a flat bar.

Sid Suedmeier Little Giant Demo

By Bob Ehrenberger

To say that Sid knows about Little Giant trip hammers would be a huge understatement. Sid brought a 25lb LG that he was going to rebuild for a customer. The only thing that he had done to it was put a motor on it so he could run it. He went over the hammer and showed us what to check for in a used hammer. He pointed out things that need to be replaced, rebuilt, and adjusted. He then ran the hammer so we could see and hear what it was like in it's current condition.



Sid and his assistant, David Sloan, proceeded to disassemble the front end of the hammer and replace all the pivot pins with oversized pins to compensate for wear. He said that if the toggle arms are badly worn they need to be welded shut and re drilled. I think he also replaced the spring. Sid said that if you don't know how old your spring is, it is best to replace it.



Lower Journal with Bronze bushing in place

They reassembled it and adjusted it. It was amazing how much better it ran after working on it for barely an hour.

On Saturday, Sid showed us how to pour the babbitt bearings. Sid and David could tear the hammer down to a bare frame in less than half an hour.

A torch was used to melt the old babbitt out, which was caught in a ladle to be reused. Sid said that you want a soft babbitt, more lead, less tin. The cheapest babbitt the supplier has is usually the best for this job. A piece of bronze bushing was laid in the bottom of the journal to support the shaft and make room for the babbitt.



Shaft with collars and putty in place

Sid Suedimier cont...

The bronze is left in place since it is a bearing material also. The shaft is checked to make sure it is square and true with the ram guides.

A couple of simple collars lined with babbitt putty are put on the shaft on each side of the journals, to keep the babbitt from running out when poured. When the babbitt is melted Sid puts a little bees wax in it as a flux to remove impurities. The journals are preheated with a torch to about 300 deg.

After the babbitt sets up, the shaft is removed and the babbitt is filed smooth. A small chamfer is made in the center of each edge to act like an oil pocket, this eliminates the need to score the surface of the babbitt.

Once the lower babbitt is cleaned up, the shaft is replaced, spacers are added, and the top caps put on. Again, collars with putty are used to seal up the joint. The top caps are then poured through the oil hole on top.

When adjusting the ram guides, they should move easily, but not have any slap or rattle. When adjusting the spring tension, you need to be able to raise and lower the ram by hand, if the ram won't move the spring is too tight. When setting the die height you need about an inch between the top die and your work. This is adjusted by moving the yoke up and down on the pitman. If the die is too low you will get double hits, if it is too high you will lose power. When using tooling during his demo, Phil Cox adjusted the die height every time he changed tools.

Sid said that you need to make sure that the treadle pivot is not worn out and moves smoothly. Also, sloppy linkage from the treadle to the clutch yoke can cause control problems.

Below, Top cap after pour.

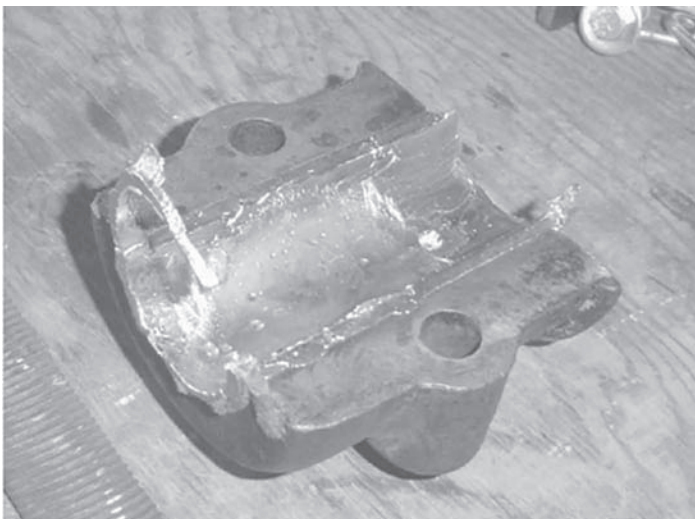
Right, Inside of top cap.



What shaft looks like after babbitt is poured.



Lower bearing after cleaning up.



Phil Cox Power Hammer Demonstration

By Bob Ehrenberger

Phil started out with three things to keep in mind; keep your hammer in good condition and well lubricated, adjust your die height to fit your work, and put a brake on it to give you more control. After showing us some general hammering techniques, he showed us how to draw a taper on flat dies and then how much easier it is on drawing dies. He also showed how to make and use an acorn spring swage.

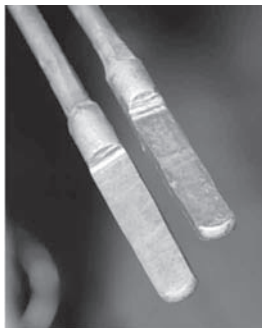
Then the real work began, Phil made a pair of tongs using only the power hammer, I don't think



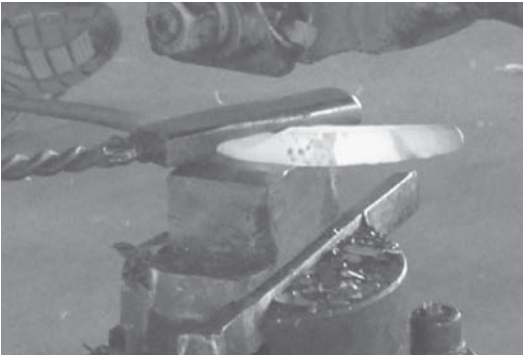
he used a hand hammer even once. He started with 6 1/2" of 5/8 sucker rod, you could also use 4" of 3/4" rd. The first step is to draw out the reins so that you could hold it by the reins for the rest of the forging. He uses about half of the material for the reins. This was a three step process; draw them out on the flat dies, use a flatter to take out the hammer marks, use a spring swage to make them perfectly round and the desired diameter and length. Phil likes light flexible tongs when doing power hammer work so he makes the reins pretty thin.



At this point the tongs are turned around and the jaw is formed. Phil starts out with a special tong tool that controls the thickness of the jaw. You could do this by eye but one errant hit and it would be too thin. He leaves enough of the original material to make the joint, about the same length as it's diameter so the boss is more round. Because they are going to be pick up tongs, once they are the right thickness, they are forged into a taper. The taper is then rounded up with a special tool that keeps face flat and makes the back cone shaped. This tool is longer than the jaw so the jaw can be moved around on it to match it up to the section with the right curve.

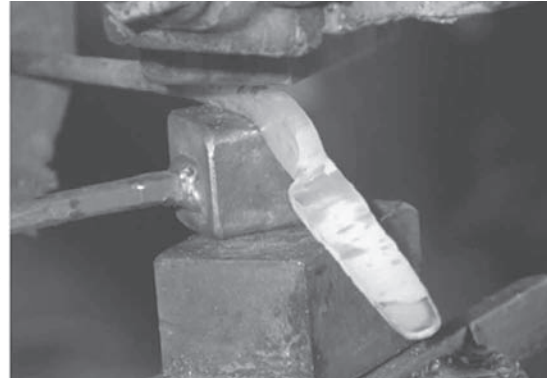


Phil Cox cont...



The special tong tool is used again to make the joint (boss). It is held at an angle to the jaw so that the jaws will fit together.

A solid block is then used to set the angle between the boss and the rein.



The holes were punched in the first side using a short punch under the power hammer. Once the slug is compressed it is cleared using a nut for a bolster. The hole on the second side is located by putting the two sides together and punching through the first hole. The second hole is finished the same way as the first.



Below left, Phil made his own rivet by first making a tenon on the end of a bar. *Below right*, He cut the tenon off leaving enough material to make the first head using a spring cutter. *Right*, He then upset the first head using a bolster plate and a piece of pipe for a spacer.

Not shown, Phil did the final assembly and set the second side of the rivet under the power hammer too.

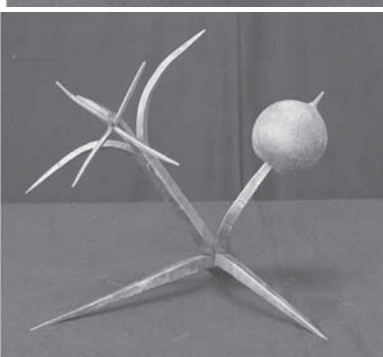
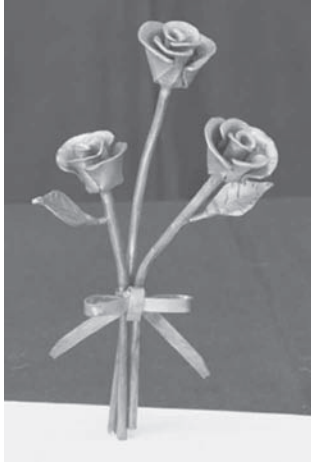


Below, Special tong making tool.

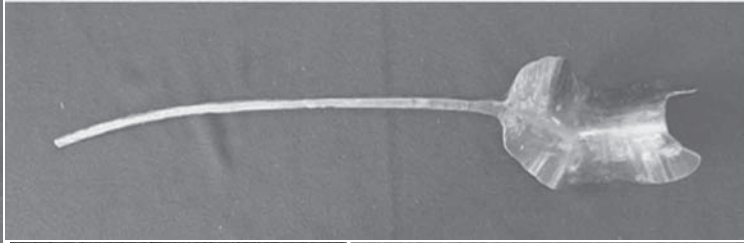
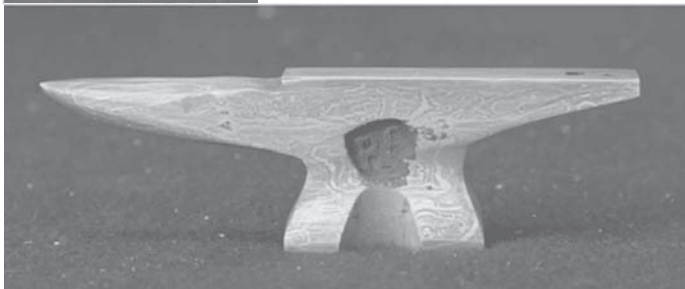
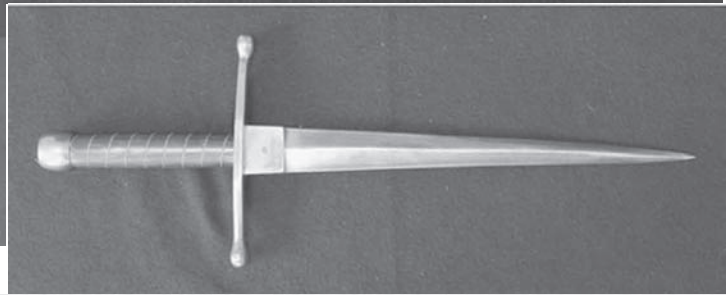
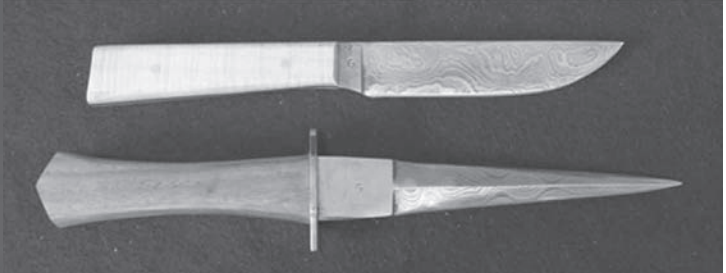
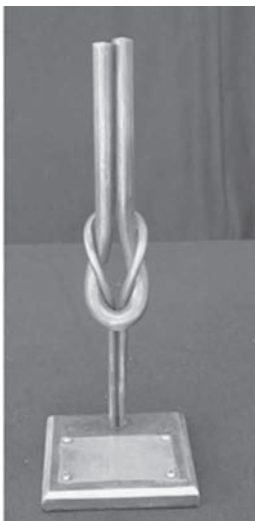
Right, Cone shaped swage used to round up jaws.



BAM Gallery 2011



BAM Gallery 2011



The Ken Jansen Project

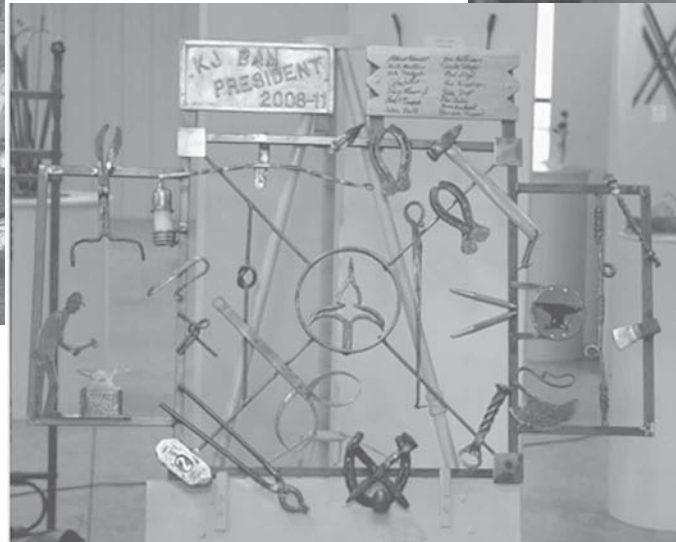
In a series of covert actions that rival Seal Team Six in secrecy, the Heart of Missouri Smiths (HOMS), formerly known as BAM Smiths of Mid-Missouri (BSMM) met many times in the last few months to create a parting memento for the now past president of BAM, Ken Jansen.

The parting gift was smuggled into the conference camouflaged in Katrina blue wraps and labeled as a surprise item for the BAM Charity auction.

Ned Digh, Scott Stager and Mike Gentzsch presented the parting gift to a stunned Ken Jansen during the banquet.

Members of HOMS donating items included:

- | | |
|-----------------|--|
| Bernie Tappel | Centerpiece |
| Top Patterson | Old hammer head and hardy, railroad spike bottle opener |
| Mike Gentzsch | Too tall guy at anvil and measuring calipers |
| Karen Bouckaert | Mule head with hooks |
| Don Anders | Decorative mini horse shoes |
| John Huff | Steak turner |
| Lou Degginger | Veggie chopper and pop top opener |
| Scott Stager | Steps of pineapple twist |
| Mike Maddox | Hammer & tongs |
| Alan Leubbert | Punches and welding items on frame |
| Esther Digh | Enamel piece (anvil on medallion) |
| Ned Digh | Frame, horseshoe/RR spike hanger, cast KJ sign, candle snuffer |
| Edward Durrill | Flint striker, knot puzzle, square knot |



KnifeMaker Hammer-In

By Bob Ehrenberger

Just like conference, we had a perfect day for the annual hammer-in hosted by Corbin Newcomb and Ron Duncan and held at Ron's farm. Most years I just come to hang around and BS with the knife guys, several of whom I only see once a year. But this year was different, this year I was on a mission. I had an idea for my conference trade item and I needed Corbin's help and monster forge to pull it off. I had prepared a billet of damascus and was determined to get it welded up, so I could make the mini anvil for the auction (pictured pg.19). Needless to say, I got it welded successfully, and was able to take it home and make my anvil.

Thomas Ratliff came with me to the hammer-in, this was his first experience with damascus. Corbin sold Thomas the steel he needed to put a billet together and then coached him through the process of welding and folding it. This is what Corbin does so well, I have been coming to the event for at least 10 years, and every year there is at least one first time damascus maker.

Corbin said that this may be the last year for the hammer-in. He turns 80 this year and is concerned that he won't have the energy to continue the event. The decision won't be made until next spring, when he sees how he feels. I hope it can continue, it would be a great loss to the knifemakers of Missouri for it not to.



Black Jack Gate Project

Starting Thursday afternoon there was activity throughout the whole conference on the Black Jack gate. They had a pre-conference workshop at Shaped Steel where they had produced the main frame and forged several of the larger pieces. There was still plenty to do. The design was transferred full scale onto plywood, pickets had to be made, and leaves, so many leaves had to be textured. And then at night, the crew spent hours playing bocce on the vast concrete floor, they knew how to have fun during their time off.



MTS Class



Crafts



Buy, Sell, Trade

Individual Classified ads

Auction, estate of Charlie McKinney, Blacksmith tools & machinery. June 4th Bucyrus, Mo www.sellersauctions.com 573-480-4400

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.umbasonline.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.

Blacksmithing E-books on CD

Now eight titles are available on CD, \$4/each, or all eight books, \$24 postpaid. More books are in production and will be available soon- order on-line at www.blacksmithingebooks.com, or check/MO to Brian Gilbert, 3404 Hartford Dr., Chattanooga, TN 37415.

Ray Clontz Tire Hammer Plans by Clay Spencer

Price is \$30US including postage to US and Canada, \$32US to other countries. Send check or money order 73 Penniston Private Drive, Somerville, AL 35670, Also, lead workshops for chapters or groups to build 15 to 20 hammers. phone 256 498-1498, cell is 256 558 3658, email is clay@tirehammer.com

New England School of Metalwork

www.newenglandschoolofmetalwork.com
1-888-753-7502

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.

Scrub Oak Forge: We still have the SayMak air hammers from Turkey, the Ozark Pattern anvils, and hand hammers. For more info on the tools contact Bob Alexander at 636-586-5350 or scruboak4@netzero.net

L Brand Forge Coke now packaged in 50 pound bags on pallets. Send your zip code for a quote on price including delivery. 1-678-360-3521 or LBrandForgeCoke@aol.com.

Kayne and Son Custom Hardware, 100 Daniel Ridge Road, Candler, NC 28715. (828) 667-8868 fax (828) 665-8303, e-mail: kaynehdwe@charter.net, web site: www.blacksmithsdepot.com. Offering a full line of blacksmithing equipment. We ship and accept Visa and Mastercard.

D.L. Schwartz Co. **Blacksmith and Farrier supplies**.
2188 S. US 27, Berne, In. 46711, 1-800-955-3064

Chile Forge- Next generation **gas forges**
www.chileforge.com David Starr 520/360-2141

SOFA fire pots are once again available. For information contact Bob Cruishank, 1495 W. Possum Rd., Springfield, OH. 45506 Phone: (937) 323-1300 or www.creativeironforge.com or www.sofablacksmiths.com

Buy, Sell, Trade, Continued

Persimmon Forge **PEDAL HAMMER** sit down treadle 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."

USA Dealer for **REFFLINGHAUS ANVILS**, 77 to 1250 lb. European 2 horn with or without upsetting block & side shelf. Over 100 sizes and styles available. Guaranteed face @ HRC59 Dick Nietfeld www.blksmith.com Phone (308) 384 1088

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.

BAM Meeting – July 16, 2011 at Ham's Prairie

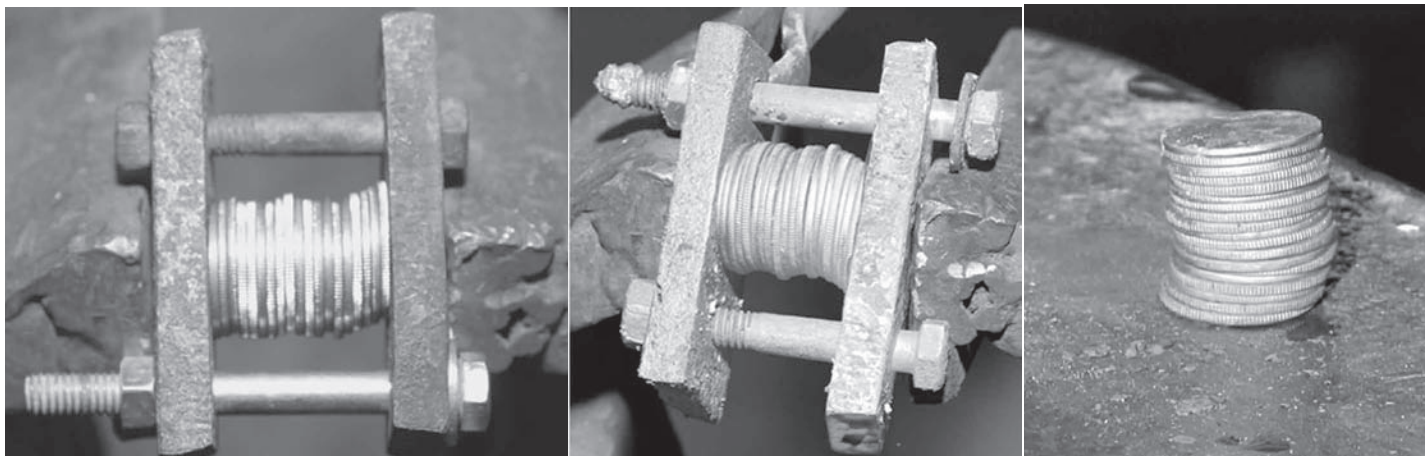
The BAM meeting on July 16, 2011 will be at Ned Digh's shop in Fulton (Ham's Prairie Area). The trade item will be a wind chime or wind driven noise maker. Lunch will be served; please bring 2 cans of a meat item per person in exchange for lunch. The canned meat items will be donated to the local food pantry, which has difficulty getting adequate meat items. For those not bringing cans of food, cash donations will be accepted.

Spouses are welcome, Esther Digh will have an activity for those not interested in the blacksmith demo. We have 5 RV hookups (electric and water), OK to come on Friday and camp in our yard. Demonstrator: TBA

Note from Esther: at the BAM meeting last year we only received approximately 102 pounds, down significantly from the 2009 BAM meeting when 160 pounds of food was collected for the local food pantry. Please be generous for those less fortunate.

Editor's Note: Remember Ned has a bus load of new V belts for sale at a good price. They are kind of a mess so bring your old belt to match up.

Below, The sequence to make mokem. Clamp in vice and tighten bolts to hold. Heat clamp and coins together and squeeze to make the weld. You can see how much they compressed by the slackness in the bolts. The resulting stack of coins is actually one piece and can be forged into the shape you want. Be careful not to overheat or the copper will melt and run away.



Need Coal ?

Check on Availability

Coal Captain: Bob Alexander



1. Bob Alexander (636) 586-6938
14009 Hardin Rd,
DeSoto, MO. 63020

2. Ken Jansen, (636) 366-4353
2257 Charter Rd.,
Moscow Mill, MO. 63362

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
Rt. 1 Box 106 K
Millersville, MO. 63766

Price \$14.00 per bag BAM members, \$15.00 per bag Non-members, \$12.00 per bag at Bob Alexander's
Coal keepers earn \$3.00 a bag. NOTE: PRICE CHANGE

A. Non BAM coal \$.40/lb check \$.35/lb cash bring your own containers. Tim Johnson Springfield, MO 417-886-8032

Upcoming Events:

June 24-26 International Forge-in Ireland, see info page 25 of March newsletter
July 1 - Application deadline for August Scholarship awards.
July 16, 2011-BAM meeting Ned Digh, Ham's Prairie 573-642-9502 trade item: wind chime
July 23, 2011 **Newsletter submission deadline**
August -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
October 1 - Application deadline for November Scholarship awards.
November 5th Tentative date - 2011 BAM Meeting, Don Nichols, Versailles, MO.
January 1 - Application deadline for February Scholarship awards.
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

Hi All,

I want to thank the Convention Committee, demonstrators, and volunteers for the opportunity to participate in the monthly meetings and the Convention. It was the surprise of my life to be the proud winner of the Tom Clark Pattern Anvil. Thanks, also, to Mike McLaughlin for the special home delivery!!
Sincerely, Don Forlow

I hope everyone enjoyed this years conference. I would like to thank Bob Patrick, Bob Stormer, Lou and Jeff Mueller, Phil Cox, and Sid Suedmeier for their great demonstrations. An extra thanks goes to Sid Suedmeier for his above and beyond donation to the group. Thanks to Phil and Karen for bringing extra power hammers and Bob Evans for storage and transport of the Gate Project. Would also like to thank the conference committee and all the volunteers. I know that I have forgotten to thank a bunch of people but, without all of you it would not have happened.

I also hope you were able to meet, work with or watch the Blackjack Gate crew. Terrence Clark, Peter Parkinson, Jacob Lefton, Henriette Abitz, Danielle, and Kate Dineen. I think a fun time was had by all.

Thanks again, Mike McLaughlin

New Members

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

Brown, Clay
2 Gardiner Place
St Catharines Ontario L2R
1Y8
905-641-2148

Dyne, David Van
6040 Wornall Road
Kansas City, MO 64113
8221174@sbcglobal.net
816-822-1174

Horn, Jacob Cable
5 Silver Creek Lane
Eldon, MO 65026
hornin_1995@yahoo.com
573-392-4637

Weber, Robert
611 W PineTerrace
Waverly, MO 64096
raweber5757@embargmail.com
816-935-3056

Cooues, Danny
9630 SW Bisel Hill Road
Rushville, MO 64484
816-729-6992

Fisher, Greg
#7 White Gull Drive
White Gull, Alberta, Canada
T9S 1R9
gfsvncor@gmail.com
780-689-6240

Phillips, Aaron
1397 Limestone Road
Redfield, KS 66769
phfarrier@gmail.com
620-215-4019

Wells, Ron
HCR 32 Box 141
Mount Judea, AR 72655
rbwells@critter.net
870-434-5460

Cranston, David
3900Terra Bella Dr Apt A
Jefferson City, MO 65109
cranstonpt@gmail.com
417-987-8136

Harding, Irving Lee
707 NW County Road 00
Odessa, MO 64076
lee.harding@hardingknives.com
816-633-9956

Smith, Terry
7025 County Road 405
Fulton, MO 65251
573-642-0513

De Mark, Harold Van
1200 E 12th Street
Lamar, MO 64759
417-682-3246

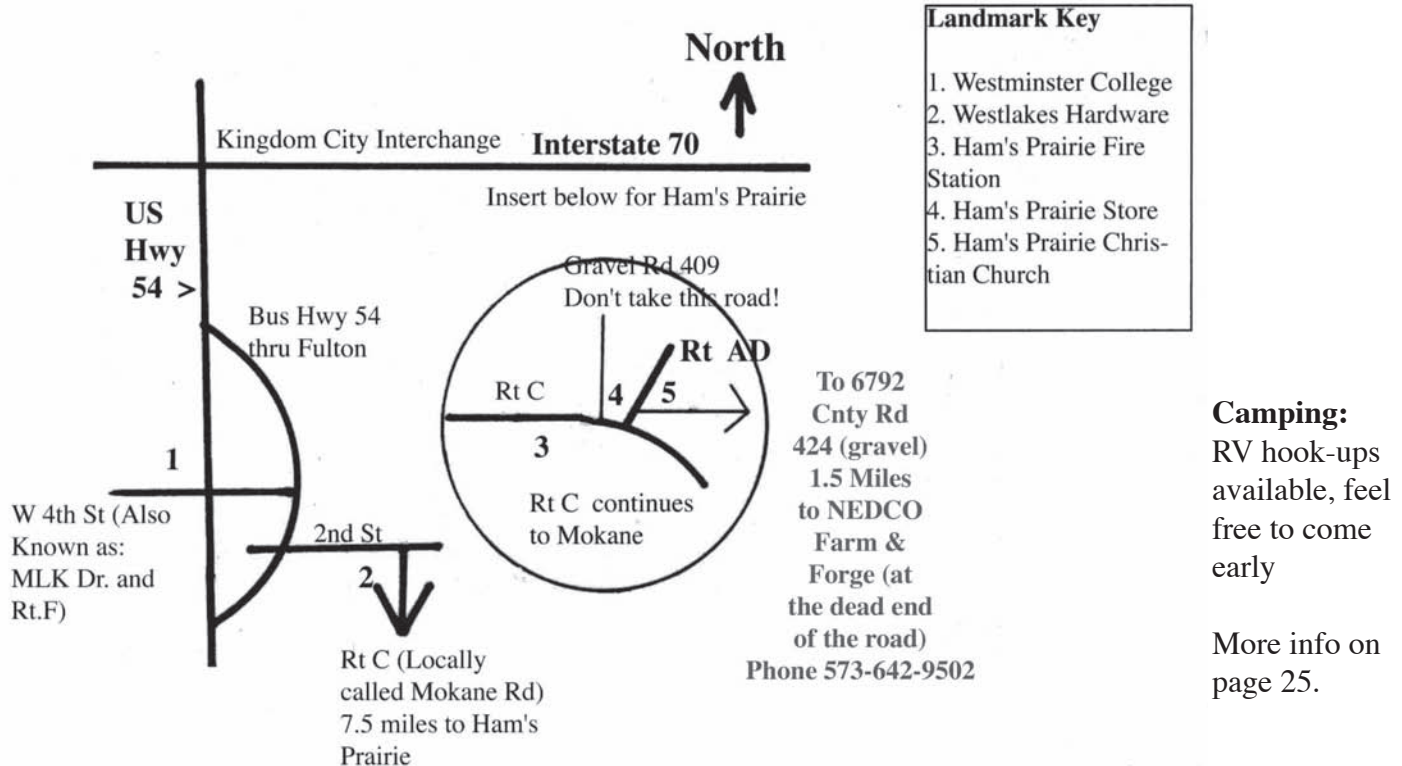
Todd, Hardy
892 Madison 2230
Huntsville, AR 72740-7324
479-665-2249

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: July 16th, Ham's Prairie, MO.



Location:
Nedco farm and forge
Ham's Prairie

Host: Ned & Esther Digh

Phone: 636-642-9502

Food: Provided, bring 2 cans of meat for payment

Trade item: Wind chime.