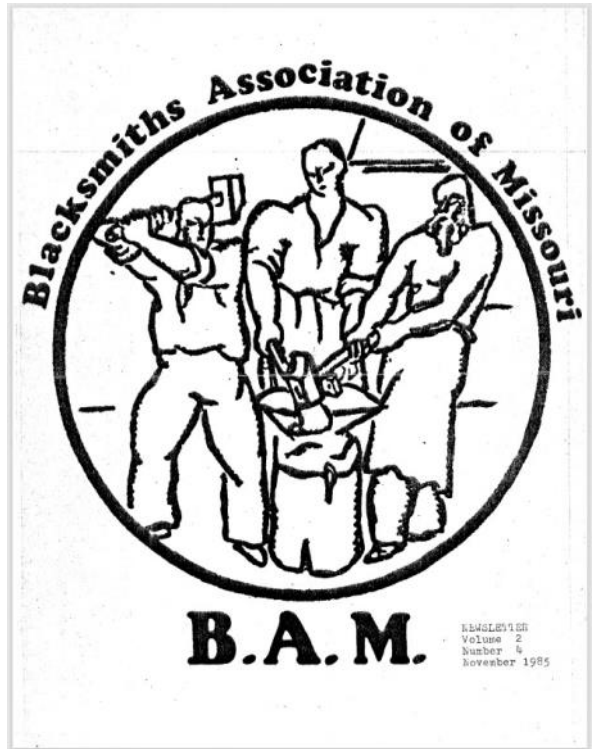


RAM

September/October 2023



September/ October 2023
Volume 40 No 5

Blacksmith Association of Missouri

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R. I. P.

Jerry Rehagen August 14th, 1938 - September 26th, 2023

Longtime BAM member and Coal Captain.

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Mike McLaughlin

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Chris Bopp
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President's Message

Santo Giuffrida

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Bart White

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The annual fee for regular membership is \$30/year; a portion of this amount is for a subscription to this newsletter for one year. BAM membership inquiries should be addressed to: Bart White 802 Maple Lane Macon Mo. 63552 bwhite10000@hotmail.com 636-226-8155

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Name: _____

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City: _____

State: _____ Zip: _____

Phone: () _____

E-mail: _____

New Member Renewal ABANA member
\$30 per year

Are you interested in taking a class?

How did you learn about BAM?

Memberships are for one year from receipt of dues. Dues are \$30, which includes a subscription to the bimonthly BAM newsletter. Please make checks payable to Blacksmith Association of Missouri

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Primary ABANA Charter Affiliation: _____

Name: _____

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Phone: () _____ Zip: _____

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

Membership: Renewal **New Membership** *For Annual Membership-Renewal Date in One Year*

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Print \$65/ yr. Available in North America only (USA-Canada-Mexico). Publications will be mailed.

Membership includes FREE placement in a searchable 'Find a Blacksmith' database to connect to opportunities.

Check here to be included in the searchable on-line 'Find a Blacksmith Directory'

Send this form in an envelope with your payment to:

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C/O Bart White
802 Maple Lane
Macon, Mo. 63552

I _____ hereby apply for membership in the
Artist-Blacksmith's Association of North America and enclose
\$ _____

MasterCard Visa Check/Money Order

Card Number

Exp Date:
(Required)

Checks must be in U.S. Currency
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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. The Newsletter of the Blacksmiths' Association of Missouri'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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Presidents Letter

I hope you are enjoying the September and October weather. There are many activities to participate in during the fall season. We had a very good October Meeting hosted by John Murray. John puts on a great demonstration. We had a large crowd standing attentively during his whole demonstration. I did not see anyone lose interest. John's explanation of his equipment and processes for making his demo hammer, including the heat treatment, was easy to follow. Not to mention he treated us to a *tasty* roasted pig for lunch. Be sure and check out the coverage in this Newsletter.



While mentioned in the business meeting notes, I want to again acknowledge the generous donation of most of his blacksmith shop by Lou Potts and wish him well on his next adventures.

I am looking forward to seeing everyone that can come to the next meeting in Appleton City (November 11th) as we celebrate BAM's 40th anniversary. Forty years is a major milestone. With everyone's continued support, I am sure BAM will be here for another 40 years.

Finally, I want to thank the Editor for expediting this issue because of the closeness of the October and November meetings.

Remember to keep the rust off the anvil by using it.

Santo

Editor Notes:

The Roster will come out with the November/December issue. If you have any corrections needed please let Bart White or me know ASAP.

There is a few pages from way back included in this issue. You should go back and read some of these. There is a lot of great information. All the issues are included under the BAM Newsletter Archive.

Mike M.

October 14, 2023 - BAM Meeting Minutes

Thanks to John and Lisa Murray for hosting this meeting at their home and John's forge - Shadetree Iron-works! John was the sole demonstrator, and exhibited amazing endurance by demonstrating all day long and into the evening – it was a great day.

Bart White gave the Membership report and recognized new members. We have six new members for a total of 558. Bart noted that if you have moved or have any issues with your membership renewal or newsletter, to please contact him.

Chris Miller gave the Treasury report and summarized the BAM finances. BAM has had a good year and is in good financial condition.

Don Anders gave the MTS report. There will be two beginner blacksmithing classes April 6th and 13th at Ray Scott's in Eminence, MO. One Boy Scout troop has contacted us about having an MTS event at Beaumont, in February / March, and two other Boy Scout troops have contacted us as well for same. There will be an ABA-NA NC class the Wednesday and Thursday before the 2024 BAM Conference. Don is promoting both NC Level 1 and Level 2, sessions for those dates, so please *contact Don if you are interested in either class* so he can determine whether we will have Level 1, Level 2 or a combination. See the bamsite.org calendar for more details.

Ashley Farnsworth gave the conference report. The theme for the upcoming BAM conference will be "Celebrating the Craft". We have three separate demonstrations with demonstrators Matt Jenkins and Karen Rudolph from Cloverdale Forge, our own Charlie Carpenter, Bladesmith, and Brandon Stephenson from DCS Blacksmithing. On Thursday evening of the conference, Brett Smith of T Star Leather will give a leather working demonstration as an opening activity. Note: Tom Latane, who was previously scheduled as a demonstrator for 2024 conference, will instead demonstrate at the BAM 2025 conference due to scheduling issues. Tammi Bagley will host two stained glass classes, and Mary Jo McCarty will host two basket weaving classes. This year we will have Rhonda Schrum who will do four additional family program classes: Indigo fabric dyeing, Watercolor painting, Chicken Scratch Embroidery, and Needle Felted Animals. If you wish to attend any of the classes, contact Ashley, as they fill up fast! See the BAM website bamsite.org for the most up-to-date information.

Paul Talaski updated us on the Conference Gallery. The Gallery this year will have a tribute to Jerry Hoffmann where we will display appropriate items. If you have any of Jerry's items or want to submit any other items that are Jerry Hoffman inspired, please contact Paul to make arrangements.

Santo expressed BAM's appreciation to Lou Potts, long time BAM member, who recently downsized to enter a senior living facility and donated many items from his blacksmith shop to BAM. Some items will become part of the MTS trailer, and others will be raffled off through Iron in the Hat, or at the conference raffle/auction. The cache includes gas forges, anvil, post vise, and many other smaller items.

A St. Charles County Parks Department historian has contacted Santo to ask if BAM would help them christen a circa 1830 timber frame blacksmith shop they are moving to the Daniel Boone Home park in Defiance, MO this winter. They intend to have a ceremony next spring at the site to introduce the new facility to the public and are asking for three or four blacksmiths to demonstrate during that event which is currently scheduled for April 27, 2024. That is the weekend (Saturday) before the BAM conference.

BAM will celebrate our 40th anniversary this year during our November-December meeting which will be held in Appleton City, MO on November 11,2023. Appleton City is about 20 minutes southwest of Clinton, MO on Highway 52. BAM member Chris Green will host the meeting at his farm machine shop. There will be cake to celebrate this milestone occasion. See bamsite.org for details of upcoming events.

Meeting adjourned!

October 2023 BAM Meeting Iron-In-The-Hat

Donated By	Won by	Item
Hollis Harbit	Jon Bach	Twisting Wrench
Lou Potts	Chris Miller	Assorted Tools and Wrenches
BAM Library	Ashley Farnsworth	Historical Armsmaking Technology Vol. 1-3
Lou Potts	Brett Herzog	Blacksmith Descaling Wire Brush
John Sherwood	Steven Allen	Garage Door Spring
Lou Potts	Brett Herzog	Smelting Pot
Dan Wedemeyer	Chris Bopp	Leaf Spring & Bolts
Lou Potts	Anna Ansel	Punch & Chisel Set
Lou Potts	Bart White	Anvil Hold-downs
Lou Potts	David Rosemann	Punch
Lou Potts	Brett Herzog	Metal rulers
Bret Herzog	Daniel Wedemeyer	Anvil Hardy Guillotine
Lou Potts	Daniel Wedemeyer	Small Forge
Lou Potts	Bernie Tappel	Benchtop Belt/Disk Sander
Lou Potts	Chris Miller	Cast Iron Pot with Lid
John Sherwood	Paul Talaski	5 gallon Metal Bucket
Lou Potts	S. Nettleton	Set of 3 Tongs
Steven Allen	Chris Bopp	Large Agricultural Plow Disks
Lou Potts	Hollis Harbit	1 Lot of misc. Mild Steel Bar
Lou Potts	Randy Carrier	Set of 3 Tongs
Lou Potts	Dan Wedemeyer	Hardy Tools
Lou Potts	Bart White	The Art of Blacksmithing - Book
BAM Library	Gary Kobermann	Wrought Iron - Book
John Huff	Dale Cannon	Horse Shoes
Karen Bouckaert	David Rosemann	Plastic Cat Litter Buckets
Karen Bouckaert	Dan Wedemeyer	Marble & CK Hat
Karen Bouckaert	Patti Tappel	Re-bar (3 pieces)
Steven Allen	Patti Tappel	Coil Spring
Gary Kobermann	David Rosemann	Canvas Feed Bag & CK Hat
Chris Bopp	Chris Miller	Cooler
Gary Kobermann	Brandon Crawford	Overhead Projector & CK Hat
Chris Miller	Mike Glisson	Sharpener
Gary Kobermann	David Rosemann	Fabricator Magazines
John Murray	Will Fors	John's Demo Hammer

John Murray Demo October 14th Meeting

Written by Mike M. Photos: John Sherwood, Mike M.

John has a 400 lb. Chambersburg hammer built in 1957. They were originally built to run on steam. Later in their history they made them for either steam or air. This just required a change in the valves. This hammer was built to run on air. He has a 150cfm air compressor that feeds a 325-gallon air receiver tank. The hammer runs on about 95psig. He modified this hammer to use a treadle instead of using a driver (the person that would operate the hammer).

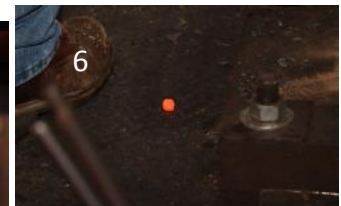
John put 3 pieces of I think was 3" round 4140 in his industrial bottom burner forge. Each bar weighed about 13 lbs. He did all the heavy forging first on all the bars on the Chambersburg. He punched the holes for the hammers at this point also.



He took one piece of bar and squared it up to about 2.5". He reheated this bar and cut it in half with a hack and snapper. The hack was just a little shorter than the thickness of the bar. This keeps you from driving it into your bottom die. Kurt Knickmeyer held and aligned the Hack and John held the material and drove the hammer. (1,2) They then flipped it over and tried use the snapper to snap it off. It wasn't working well so they used the hack again to complete the cut. John squared up the piece he is going to make a hammer from. (3)

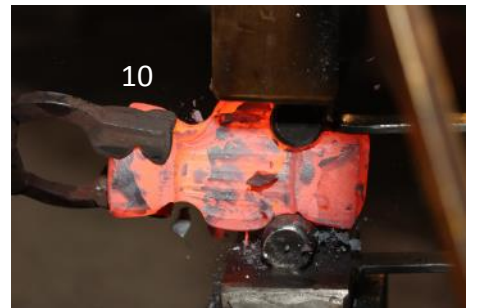


He heated it again and punched the hole in it with an appropriately sized punch. John uses "magic dust" to keep the punch from sticking. It is just pulverized coal. Punch a little in the center of one side.(4) Add the magic dust. Finish punching from this side. Flip over and look for the blacksmith's rose (the cool spot that shows up on the opposite side of the punched hole) to find the center and finish punching it.(5) You should get a slug to fall out.(6)

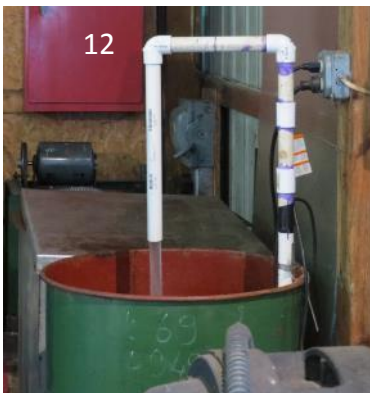


John's punches extend past the punch on the working end. If you get a punch stuck you can rest that extension on an anvil or another solid object, strike the back of the punch and it will usually fall off. Just watch your feet.

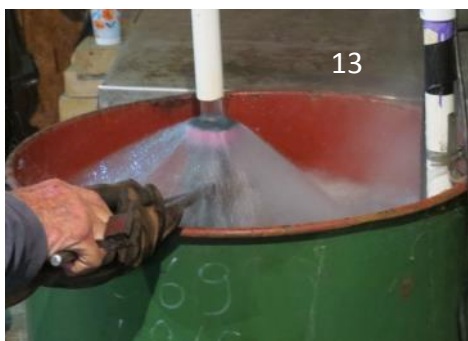
He switched to his 250lb. Nazel to finish the hammer. He started out by forging the faces and chamfering the edges. Then flatten out the bulges on the side left from punching it. His first spring tool will separate the faces from the eye.(7) It fullers both sides and both ends at the same time.(8) He then used a drift through the eye to pull out the cheeks with another fullering tool.(9) This hammer was a little larger than what he normally makes with this tooling. The double fuller would not fit after pulling out the cheeks. So, the cheek fuller was used to finish the original fullers.(10) Drift the eyehole again and straighten everything out. He used the drift for a sledgehammer handle to finish it. It was a little large to use just as a hand hammer. Set it aside to cool. Grind the faces after it has cooled. Then heat treat.



John uses a torch to heat the faces of the hammer.(11) He just treats the hammer faces. He leaves the center normalized. He heats them to nonmagnetic. Between 1400 to 1500 degrees. He quenches them in water. His quench tank is a 55-



gallon drum full of water. It has a sump pump and some plumbing to direct a stream of water straight down.(12) This works better than swishing it around in a bucket of water. It is forcing the water at the face which keeps it from steaming off.(13) It is a little messy, but it works very well. Finish grind and put a handle in it.



The second piece is going to be slightly squared and punched to create a sledgehammer. He used a punch that is about 7/8" round. This will fit the sledge handles he gets. He will drive it in from both sides. Punch in the material a little bit then remove and pour in the magic dust, finish punching from this side. John looks for the blacksmith's rose on the other side and punches it. You should punch out a slug. He then showed how to upset the end of this piece without deforming the other end or the eye. He heated it up then cooled the area he did not want to move in water. He broke one of the cardinal rules of forging alloy steel. But if you hold your tongue just right it will work. Make sure to immediately put it back in the forge and bring it back to a normalizing temperature before you let it cool completely. This one was not finished.



He then took the third piece and forged it down to about 2" square. This will be used to make some future hammers. It only took a few minutes. The forge was already hot, and the hammer was running. So why waste a good opportunity to make some stock. Plus, it is cool to see 3" round bar go to 2" square in a really short amount of time.



Words of wisdom:

Buy your hammer and tomahawk handles first then make punches and drifts to fit.

John uses H-13 for all his hot punching tools. He uses 4140 for struck tools.

312 stainless welding rod to weld H-13 to the handle.

John uses scrap steel – forklift forks, springs, and other steel for tools around his shop. For any customer tools he always buys new steel.

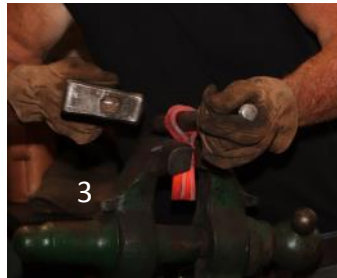


John cut teeth on a stone cutting tool with a gang saw. This is done at a forging heat. He pushed it straight in and flipped it a few times. He makes a couple different stone carving tools.



Tomahawk

Materials: 10.5 x 1.5 x.25 flat mild steel bar. One piece of 5160 leaf spring with a bevel on one side. Heat and bend the flat bar into a "U" shape.(1) Insert a 1" round mandrel and clamp it in the vise to pinch it together. (2) Hammer the curve out of the bar that was created when you bent it into the "U" shape.(3) Open up the ends of the material with a chisel. Insert your piece of 5160.(4) Heat the end and tap it around the bit to help keep it in when forge welding. Heat, flux, and forge weld it together.(5) John uses something in the hardy hole to push the bit against while setting the first forge weld. This keeps the bit from pushing out. John uses Boric Acid (Roach Powder) as a flux. He welds this 3 times to make sure it is stuck all over. You would then use your peen to spread out the cutting edge. John used his Nazel and his hotdog fuller to do it.(6,7) Heat and drift the eye. Finish on the belt grinder.



John also made an armor piercing arrow head. I don't have details on it. I had already left. It was 4:30pm. and he was still a going.



Trade Items Oct 14th. Meeting. Dragon Themed



Chris Miller to Ana Ansel



Dan Wedemeyer to Orion Moran



Bernie Tappel to Santo Giuffrida



Ana Ansel to Daniel Wedemeyer



Kurt Knickmeyer to Bob Mepham



Randy Carrier to John Sherwood



John Sherwood to Dan Wedemeyer



Carl Buck to Travis Dailey



Bob Mephram to Chris Bopp



Travis Dailey to Carl Buck



Brandon Crawford to Hollis Harbit



Dale Cannon to Bernie Tappel



Chris Bopp to Dale Cannon



Westley Moran to Steven Allen



Hollis Harbit to Kurt Knickmeyer



Orion Moran to Randy Carrier



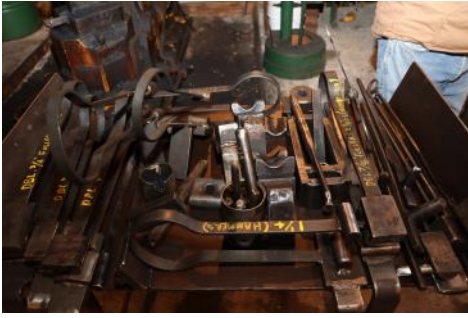
Steven Allen to Westley Moran



Daniel Wedemeyer to Chris Miller



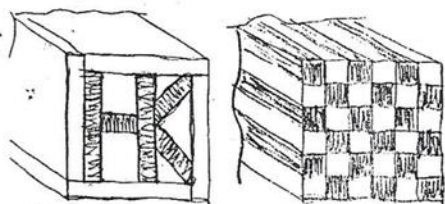
Santo Giuffrida to Brandon Crawford



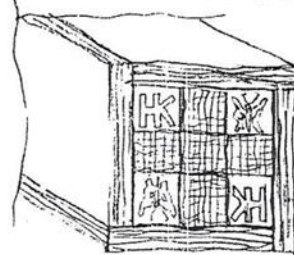
Hank Knickmeyer Mosaic Damascus By Bob Stormer

The information sheet below was provided by Hank Knickmeyer at an art gallery show in St. Louis' Central West End in either 1998 or 1999 (I think). It was not just a blacksmith art show, but included some BAM members. Notably; Hank Knickmeyer, Tom Clark, and Todd Kinnikin. I was very new to blacksmithing and bladesmithing and had heard about mosaic damascus, but didn't understand many of the previous explanations until I saw this explanation from Hank. Reprinted with permission from Kurt, Sharon, and Bonita Knickmeyer

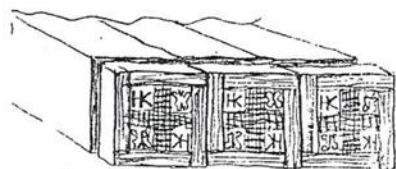
METHODS OF ASSEMBLING A MOSAIC BLADE



A MOSAIC BAR IS CONSTRUCTED USING BARS OF VARYING ALLOY CONTENT
 CHROME AND NICKEL ARE EFFECTIVE IN PRODUCING CONTRAST
 THE IMAGE IS READ FROM THE END OF THE BAR



BARS MAY BE COMBINED INTO A MORE COMPLEX BAR



THE IMAGE ON THE END OF THE BAR MUST BE MADE TO READ ON THE SIDE OF THE BLADE. IT CAN BE DONE BY:

WELDING SEVERAL BARS TOGETHER SIDE BY SIDE -- THEN SAWING OFF SLICES

OR



TWISTING THE BAR TIGHTLY THEN SAWING SLICES LENGTHWISE -- READABLE (BUT DISTORTED) IMAGES WILL BE FOUND ON CUTS PASSING NEAR CENTER



THE TWISTED BAR CAN ALSO BE FORGED FLAT. THE GROUND DEEPLY FOR A RELATED EFFECT

OR



CUTTING THE BAR PARTIALLY THRU FROM OPPOSITE SIDES THEN STRETCHING IT OPEN. THE IMAGES ON THE CUT FACES WILL APPEAR ON THE SURFACE AFTER FLATTENING.



IMAGES

STRETCH & FLATTEN

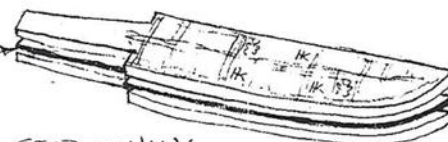
THE STEELS USED IN THE BARS PRODUCED ABOVE MIGHT NOT MAKE A GOOD CUTTING EDGE. A CUTTING EDGE OF HIGH CARBON STEEL (OR DAMASCUS) MAY BE ADDED BY:



HIGH CARBON

FORGING THE BAR TO SHAPE THEN FORGE WELDING ON A HIGH CARBON EDGE BAR.

OR



SANDWICHING A HIGH CARBON BAR BETWEEN TWO MOSAIC BARS SAND-MAN FASHION

by Jim McCarty

There once was a time when you could earn your living forging chain. It wasn't a good living, however, and it tended to be done by women and children for slave wages on a per piece basis.

To earn any money you had to be two things: good and fast.

Any good chain maker in the old days could turn out a link in two heats. Here's how they did it, or at least the way I learned it from Jerry Darnell at the J.C. Campbell Folk School last summer. We made chain from 1/4 inch round and twisted each link when it was put together.

The chain was used to hang the chandelier we forged as part of the class.

Back to the how to:

Before you try this you will need a pair of tongs designed to firmly grasp round stock of the size you will use by the middle. See Illustration at right for such a device.

If you were doing this for a living you would put all of your chain stock in the area of the fire with each piece a little bit closer to the heat. That way when you finish a link the next one is close to the proper heat when you are ready.

Heat #1:

Lay the stock in the fire so that the entire length gets hot. Grab it dead center and head for the horn of the anvil. (Did I mention you need an anvil with a horn that comes to a nice round point?)

Brace the bottom of the stock against the side of the horn that is away from you and pull towards you while hitting the top of the stock away from you. This may seem awkward at first but you will catch on after a hundred or so. You are trying to create the shape shown in Fig. 1, so if you can find a better way to do this go for it.

Moving quickly, go to the face of the anvil to scarf the ends for the weld. Jerry did this with the pein end of his hammer. I find it easier to do it as in Fig. 2. The key here is to remember to flip the stock over so that you scarf opposite sides.

That done, go back to the horn and

Forge some chain

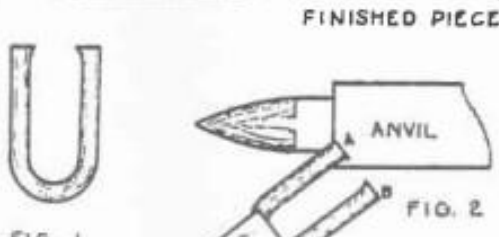
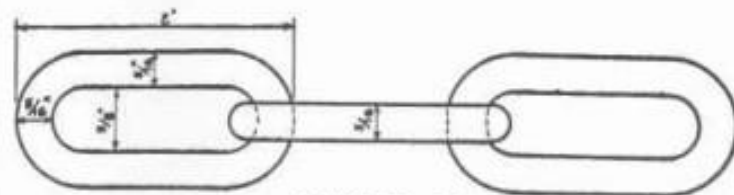


FIG. 1

FIG. 2

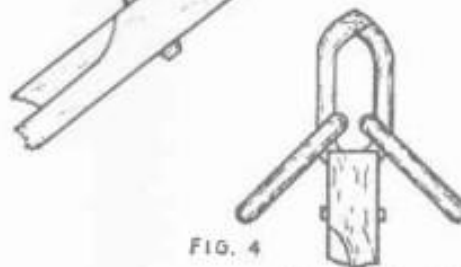


FIG. 4



FIG. 3

(Courtesy Nebraska College of Agriculture)

This art is from an old book titled "500 more things to make for Farm and Ranch"

bend the ends over the horn, keeping the scarfs in alignment. Tap them nearly closed, dip it in flux and go back to the fire.

If you are really good you did this in one heat, have another piece of stock ready to go while that one comes up to welding heat.

Let's pretend you got all that done in one heat and move on to heat two.

Heat #2

The link comes out of the fire with flux dripping and the end to be welded a nice white color. Go to the anvil face, strike the weld lightly but accurately, flip it over, strike this side, give it a quick look to ensure the weld is good and then go to the horn to true it up (Fig. 5).

Your welded area will be square in shape, so you will need to work it round over the horn. When you have the look right, flip it around and

round up the other side.

Your link will be more round than oval so with the last of the heat lay it flat on the anvil and with a couple of hits shape it.

Then throw it on the floor and move to the next one. When you have two links formed it is time to join them into a group of three. To do this you go through the same procedure but remember to put the two links on as in Fig. 4 before closing the weld. Keep one on each side of the tongs. It helps a lot if you make a hook out of 1/4 inch round to hold back the two links you are joining. This will keep them out of the way when you weld.

Make two groups of three, join them to form seven, make a group of seven, etc. Each time you are dragging more links to the fire until you have a chain! Give it a try, it's easier than it looks and good practice too.

Photo History of BAM

Written by Bob Stormer

These photos are from BAM Conferences from '02' to '06, with the exception of the Guy McConnell photo. I was unable to identify the makers of some of the items.



These two photos are of items made by Joe Wilkinson who was a BAM president from '02 to '04. I don't think Joe ever demonstrated how he made them. I saw an open book sculpture he made also, but I haven't been able to find a photo. Joe went well beyond what most of us think of as typical blacksmith projects.



The photo at the left is of a dish made by Ed Harper who started the BAM webpage and Around the Anvil messaging. Once again, I don't know if he ever demonstrated how he made it.



The photo to left is a collection of damascus items made by Guy McConnell that I photographed when I interview him for the 2018 Sep-Oct BAM newsletter, which has more photos of his work. He made lots of usable tools from his damascus, and when the BAM conferences were held in Warren County, he would set up a table of a dozen or so tools every year. They were mostly for display, but I think he may have sold a few if the price was right.

The turkey below left, was made by Kirk Sullens, the guy who demonstrated making an octopus at the '22 BAM conference, and who was BAM president from '06 to '08. He was also employed at the Brass Pro Shops blacksmith shop in Ozark, MO. Kirk hosted a couple BAM meetings at Bass Pro Shops blacksmith shop and showed us how he made some moose antlers look very realistic.



The photo at the right shows a very creative piece made by Mike Todd called "Forbidden Fruit". I took the photo at the '04 BAM Conference but I don't have more information on Mike or the beautiful piece.



The two photos below show the front and back of the same piece, which was another very unique piece displayed at the '02 BAM Conference. Once again, I don't know the maker since we weren't as organized about identifying and photographing display items as we are now, but I felt this

piece deserved a spot in this article.



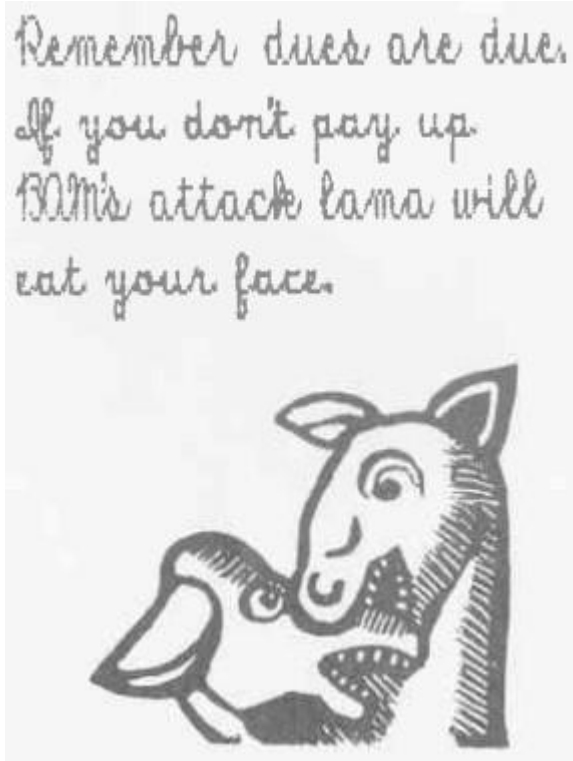
The photo at the left is a combination of two pieces that I thought created a very interesting display. A very nice table with a RR spike dog sculpture "christening" it. This is from the '04 BAM Conference. Regrettably, there was not enough information on either piece to identify makers from the photo.

Jerry Hoffmann Tribute at 2024 Conference Gallery

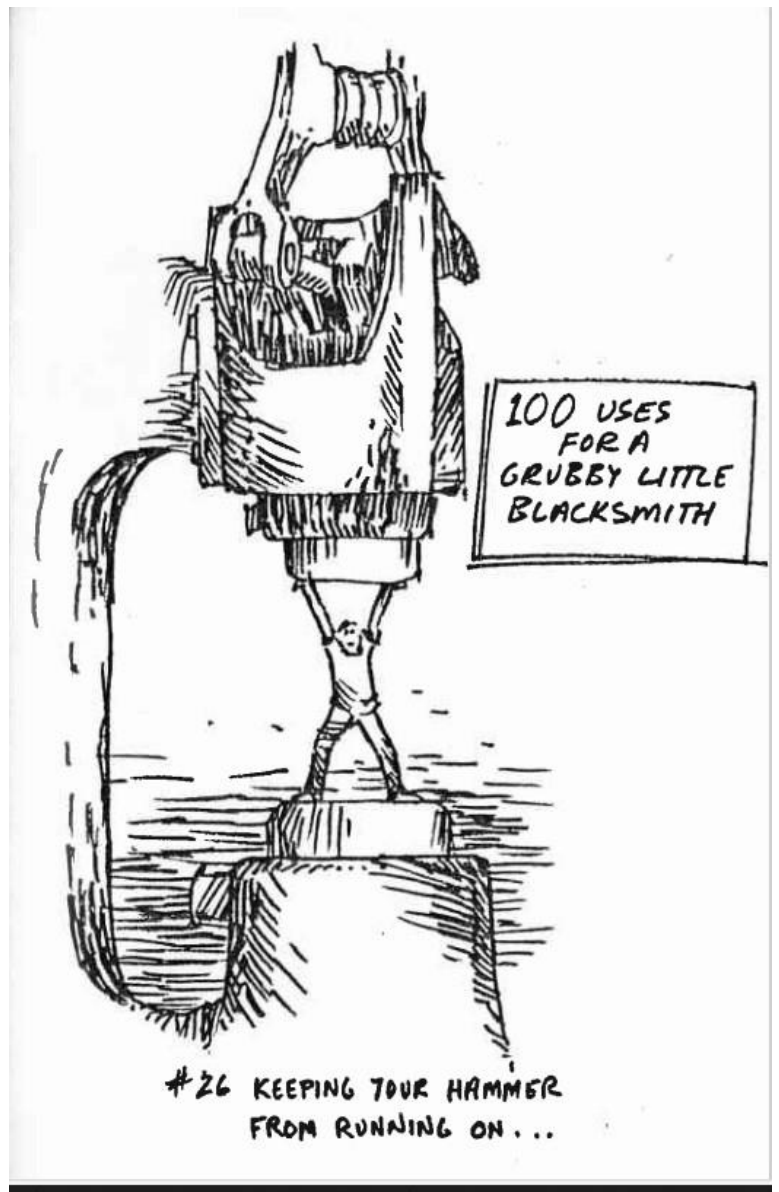
At the 2024 BAM Conference, the Dr. Iron's Slackwater Gallery will pay tribute to Jerry Hoffmann. Jerry was a longtime BAM member who willingly shared his expertise and knowledge. His recent passing was a loss for our organization.

We would like to honor Jerry in two ways – a display of his work and member submissions that shows his influence. If you have any of Jerry's works (maybe a trade item, demonstration piece or piece he made for you), we would like to include that in a special section of the gallery. For those of you creating work for the gallery, please consider creating a piece, if appropriate, that shows Jerry's influence, style, etc. as a way to honor him.

Submissions can be accepted at the Conference as usual. Any questions, comments, information, etc. contact Paul Talaski at ptalaski@stlcc.edu or (314) 605-8583.



Your Dues may or may not be due. I copied this from the January 1987 Newsletter.
Doug Hendrickson Editor.



Tuition Assistance Program Guidelines

Effective Date: 1, 2022

Purpose

The purpose of this document is to establish a guideline for the Tuition Assistance Program (T.A.P.) of the Blacksmith Association of Missouri (B.A.M.).

Scope

This procedure is to be followed by all members and T.A.P. committee for the process of applying and reviewing applications for this program.

- 1: The T.A.P is for non-B.A.M. classes.
- 2: The applicant must be a B.A.M. member in good standing for two years prior to applying.
- 3: The Program is to be capped at a maximum of \$1,000 dollars per application.
- 4: The program is to provide assistance for tuition and travel expense (e.g. gas, lodging, and materials).
- 5: Once assistance is granted, there is a waiting period of two years before the applicant can be eligible for another T.A.P.
- 6: Maximum of two T.A.P. applications per year provided funds are available from the B.A.M. treasury.
- 7: It is the treasurer's responsibility to determine if B.A.M. is in a financial position to provide T.A.P.
- 8: If T.A.P. funds are not awarded in the calendar year they are "lost", there is no accumulation of T.A.P. available from year-to-year.
- 9: If the treasurer determines that B.A.M.'s finances would be detrimentally affected by issuing T.A.P. then no funds would be available for that year.
- 10: T.A.P. is to provide assistance to attend hands-on classes at an established teaching facility, or one-on-one instruction at another smith's shop.
- 11: T.A.P. approval is up to the discretion of the T.A.P. committee.
- 12: The T.A.P. committee has the power to revise this guideline at any time and submit to B.A.M. officers for approval.
- 13: The T.A.P. guideline shall be reviewed every five years and reapproved by the B.A.M. officers.
- 14: B.A.M. members using T.A.P. funding are required to submit an article about the education experience attended with appropriate notes and diagrams of the items made or techniques learned in the class to the Tuition Assistance Committee to be reviewed and published in the B.A.M. newsletter no later than 3 months after attending the class.
- 15: B.A.M. members using T.A.P. funding will present a demonstration of the newly learned skills at a B.A.M. meeting or complete a video to be placed in the B.A.M. library within 1 year of the class.
- 16: One third of the total assistance amount will be awarded before the class, one third on submission of the article to the Tuition Assistance Committee, and one third after presenting the demonstration or video at a B.A.M. event.

Tuition Assistance Application

Name:

Address:

Phone & Email:

What class or workshop do you wish to attend?

Where:

What is the Cost?

Tuition:

Travel:

Lodging:

Materials / supplies:

Briefly, describe how attending the particular class / workshop will advance your Blacksmithing skills and be helpful in promoting the craft of Blacksmithing. Identify the specific skills you expect to learn during this learning experience. (Additional pages if necessary).

I understand that as a requirement of receiving this assistance, I will be required to submit an article about the education experience attended with appropriate notes and diagrams of the items made or techniques learned in the class to the Tuition Assistance Committee to be reviewed and published in the BAM newsletter no later than 3 months after attending the class.

I will present a demonstration of the newly learned skills at a BAM meeting or complete a video to be placed in the BAM library within 1 year of the class.

One third of the total assistance amount will be awarded before the class, one third on submission of the article to the Tuition Assistance Committee, and one third after presenting the demonstration or video at a BAM event.

I understand that I am responsible for payment to the school or workshop.

The assistance is a reimbursement of the approved costs listed above of up to 1000 dollars.

Send tuition assistance applications to: Orry Harbit 217 Phelps Street Windsor, Mo. 65360. 660-287-5917

Signature:

Date:

Missouri Based Schools

Beginner & Intermediate classes are being held at Mueller Industries (via Craft Central), 12951 Maurer Industrial Drive, St. Louis, MO 63127

To see class listings or to register for classes, visit our website, craftstl.com

For more information call 314-842-0796 or email; Brendan@muellerstl.com

Matthias Penn is offering introductory & beginning blacksmith classes. 417-543-2148
Tytheblacksmith@yahoo.com Ava Mo.

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

Oldschoolcrafts Blacksmith School, Joe Davis 12625 Lawrence 1175, Mt Vernon, MO 65712 phone 417-461-0387 on the web www.oldschoolcrafts.org E-Mail oldschoolcrafts@hotmail.com

Classes Offered, The Farrier's Wife Blacksmith Shop. 17332 EE Hwy. Ste. Genevieve, Mo. 63670
Lisa Thompson 573-984-9013 See on Facebook.
Email: thefarrierswifeblacksmithshop@gmail.com

Missouri School of Blacksmithing. Class prices, descriptions, prerequisites, and skill levels are in the catalog. Give us a call for more information, or to receive a catalog.

Matthew Burnett 3100 NW Winchester Road Cameron, Mo. 64429 816-575-2798 mo-schools.com



Watching hot, glowing metal take shape under the pounding force of your hammer is a powerful experience. The Folk School's Blacksmithing program is one of the best in the country, with the foremost instructors teaching both weeklong and weekend classes for those at every skill level.

UPCOMING CLASSES INCLUDE:

- Forging for the Holidays Nov12
- Holiday Gifts Nov 17
- Welcome to Blacksmithing Nov29
- Holiday Iron Trinkets Dec3
- Blacksmithing Tools Jan 14
- The Viking Spear Jan 21
- Forged Animal Heads for the Beginner Jan 26
- Skills, Tools, and Snakes Jan 28
- Treadle Hammer Processes and Tooling Feb04

folkschool.org/blacksmithing
BRASSTOWN, NORTH CAROLINA 1-800-FOLK-SCH

Upcoming EVENTS

November 11th. 2023-Meeting- Bam 40th Anniversary Meeting. There will be cake. Green Welding and Sales 1464 SE County Rd. 15305, Appleton City, Mo. 64724
Lunch: Food Truck Available. Trade Item: 3/4" square by 6" challenge. Make anything you wish out of this material. Bring Chairs

November 24th. 2023 Ken Jansen's Black Friday Hammer-In. 2257 Carter Rd. Moscow Mills, Mo. 63362 Lunch Available. Bring your hammer and safety glasses and we will work on project.

January 1st. 2024 Pat McCarty's Headache Hammer-In. 333 Hayley Ridge Lane, Washington, Mo.63090

February 10th, 2024 - Meeting - Dale Kirby / Skullsplitter Spirits 9603 Hwy B Higbee, Mo.65257 Lunch Available. Trade Item: Back Scratcher

March 23, 2024 - Meeting - Doniphan, Mo.
Lunch Available. Trade Item: Tabletop Sculpture or Center Piece.

May 2nd - 5th, 2024 32nd. Annual Ozark Conference Sedalia Mo. Watch for updates. Demonstrators. Matt Jenkins and Karen Rudolph of Cloverdale Forge, Charles Carpenter, Bladesmith of Big River Forge, and Brandon Stephenson from DCS Blacksmithing. Go to website for a link to their web pages.

June 1st - 2nd 2024 Power Hammer Seminar with Nathan Robertson. Teaching us to how get the most from our power hammer or treadle hammer using tooling on flat dies. There will be no charge for the seminar, but you must be a BAM member for insurance reasons. At Steve McCarthy's shop 6691 Foster Rd. Houston, Mo. More information to follow later.

June 22, 2024 - Meeting - Table Rock State Park 5272 Historic Hwy 165, Branson, MO 65672
Lunch and Trade Item TBD

June 6-9th. 2024 ABANA 50-Year Anniversary Johnstown, Pa. There will be a Ring Project and a Team Forging Competition. Abana.org for more information

Meetings start at about 8:30am. and go to about 2pm. Demo until noon. Lunch, then business meeting.

Coal Stations

Coal Captain: Mike Lanham

Price per bag:

BAM Members \$18.00

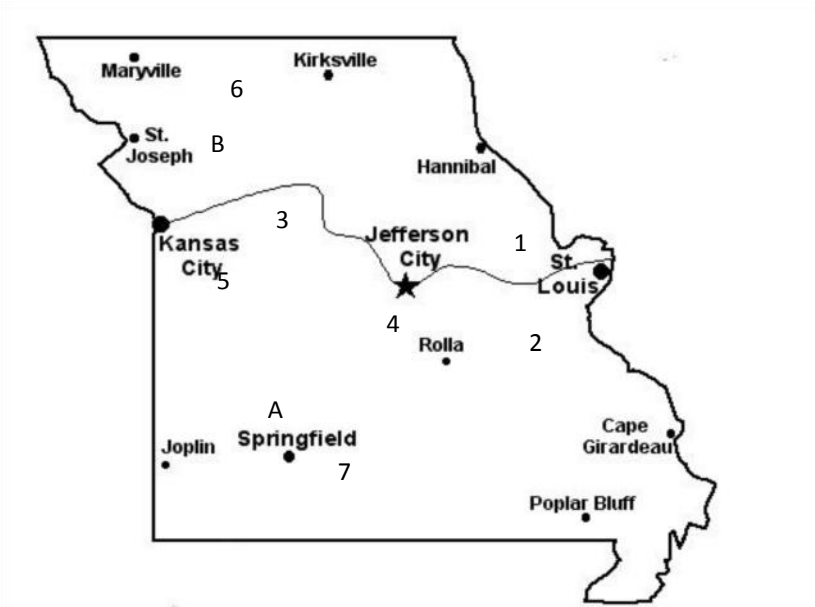
Non Members \$23.00

Member's pickup at Mike Lanham's- \$16.00

Non-Members pickup at Mike Lanham's \$21.00

Coal keepers earn \$5.00 per bag

Bags are approximately 50lbs. each



BAM COAL

1. Mike Lanham (636) 614-5095
2230 St. Paul Rd.
St. Paul MO 63366
After 5:00 pm M-F call for week-ends and before you come. You can text also.
2. Bob Alexander (314) 708-0469
14009 Hardin Rd.
DeSoto, MO 63020
3. Doug Clemons (660) 631-1257
29377 Durango Ave.
Malta Bend, MO 65339
4. Bernie Tappel (573) 496-3793
204 Hidden Valley Road
Jefferson City, MO 65101
5. Bryan Lillibridge (816) 516-9331
1545 NW 300
Urich, MO 64788
6. Bill George (660) 247-0426
19133 LIV 355
Chillicothe, MO 64601
7. Matthias Penn, (417) 543-2148
Rt 1 Box 479, Ava, Mo. 65608
tytheblacksmith@yahoo.com

A few notes on our coal:

1) Not all coal is created equal. The coal we buy is from the West Virginia to Pennsylvania vein and is a high metallurgy grade unlike coal from other areas.

2) Raw coal from the bagging company is stored outside which allows it to get rained on, (rain is water which weighs 8.4 pounds to the gallon). If the coal is bagged wet and then dries out the weight will change.

3) The coal fines which when mixed with water to form a paste burns along with the chunks of coal but during shipping and handling may sift out of the bags causing a weight loss.

So, the bottom line to all of this is we are selling coal in approximately 50 pound bags.

Non BAM Coal

- A. Tim Johnson @ Advanced Welding, Springfield, MO. 417-886-8032 - Pocahontas Coal \$.40/lb. cash, \$.50/lb. check/debit. Bring your own containers
- B. Coal for sale \$18 per approximate 50 lb. bag. Missouri School of Blacksmithing
Matthew Burnett 816-575-2798, 3100 NW Winchester Rd., Cameron, MO. 64649

BAM Tailgate

Buy, Sell, Trade

Individual Classified ads: Commercial / Resource ads:

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 314-708-0469.

Tire Hammer Plans by Clay Spencer
Send Paypal for \$30 to clay@tirehammer.com Or check/money order to 73 Penniston Pvt. Dr. Somerville AL 35670. I can mail a copy or email PDFs.

Beverly Shear Blades Sharpened. Remove blades and mail to Scott Kretschmer
196 Mule Deer Drive, Loveland, CO 80537. Include check for \$50 + \$10 shipping.
Deep scratches and wrong sharpening may cost extra.
scott@kretschmershops.com, 970-567-2609

Information / Education:

Blacksmith's Journal, New Improved and Revised!
All issues are organized by projects. Available in Digital Form or Hard Copies. Blacksmith Shop-Equipment-Tools-Techniques-Exterior Ironwork-Hand Tools-Hardware for the Fireplace-Hardware Vol. 1&2-Interior Ironwork-Lighting-Ornament-Railings
www.blacksmithsjournal.com

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

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

David Norrie blacksmithing school in Colorado
David Norrie 970-215-4666 www.davidnorrie.com
www.forgewithintention.com

Power Hammer page I've taken some time to collect and post old info, catalogs and brochures on power hammers. : <http://www.newenglandblacksmiths.org>

Rochester Arc & Flame Center! Featuring Blacksmithing, Welding & Glass Blowing, over 30 classes available for all levels of interest, www.rocafc.com
585-349-7110

John C. Campbell Folk School, The Folk School offers a wide variety of weeklong and weekend classes for those looking to strengthen their skills or try their hand at something new. Some online classes available. Info at www.folkschool.org

Products:

Blacksmith Supply

Wide variety of Blacksmithing tools, equipment and supplies. Tom Tongs, Smithin Magician, Anvils, Forges, Fly Presses, Hammers, Punches, and more.
Website: www.blacksmithsupply.com
Phone: 1-804-530-0290
PO. Box3766 Chester, VA 23831

Little Giant

Genuine Little Giant parts for your Little Giant Power Hammer.

Owners: Doug Klaus And David Sloan
Website: littlegianthammer.com
Phone: 402-873-6603
Email: contact@littlegianthammer.com
US mail: 48182 SW 32nd Rd. Odell, NE 68415

Flat Die Power Hammer Tools

Book, 90 pages 300Tools used on power hammers with flat dies by Clay Spencer.
Order from Alabama Forge Council,
Judd Clem, 111 Yorkshire Drive,
Athens, AL 35613, clem.judd@att.net Master Card,
Visa or check, \$30, mailed, \$40 overseas.

Forge-Aprons offers many different styles of leather blacksmith aprons; the Original bib, the Short bib, the Full-Cut bib which offers greater chest coverage, the Lap apron, three sizes of Kid's aprons, a Budget apron, a Women's cut, and Aussie Forge aprons.
www.Forge-Aprons.com

Heavy-Duty Fry Pan Blanks 9” diameter, tapered sides 12 or 13 gauge steel (approx.2 pounds) no predrilled holes for the handle \$14.00 each..1-4, \$12.00 each.5-9, \$10.00 each...10+. Shipping: \$5.00 plus\$1.00 each frypan Bob Tuftee 563-349-3369 21718 277th Ave LeClaire, IA 52753

Blacksmiths Depot, 100 Daniel Ridge Road, Candler, NC 28715. (828) 667-8868 web site: www.blacksmithsdepot.com. Offering a full line of blacksmithing equipment. We ship and accept Visa and Mastercard.

L Brand is the Official Coke of the WCB and Kentucky Horseshoe School. Now packaged in 50lb. bags on pallets
Website: www.BlackSmithCoke.com
Mobile: 678-360-3521
email: lbrandforgecoke@gmail.com

Chile Forge- Next generation gas forges
www.chileforge.com David Starr 520-312-0000

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

Custom T-shirts

Contact Heather & Jon McCarty if you are wanting custom t-shirts with your logo. We are able to produce custom vinyl, screen-print, or sublimated products. Contact us at hmcrafty@gmail.com or 636-359-1232. visit us on FaceBook at **Craf-Tee Creations**

Holland Anvil

Anvils, Swage Blocks, and more.
www.hollandanvil.com

Atlas Knife & Tool

Anvils, Forges, Supplies. <http://www.atlasknife.com>

Wanted:

Blacksmith business cards. I would like to put together a collage of Blacksmith business cards. Bring them to a meeting or mail them to me. Bruce Herzog 2212 Aileswick St. Louis, MO 63129

Around the Anvil BAM has its very own E-Mail news group. If you would like to participate there is a sign up link on the bamsite.org website. Click and join.

Ad Policy: Blacksmith related ads are free to BAM members. Personal ads will run for two issues. Resource ads are ongoing at my discretion. Send to BAMeditor2015@gmail.com, or call 816-769-5788



Dennis Marshall and Jake at Santa-Cali-Gon Days in Independence Mo. Labor Day weekend.



Jake's Blacksmith lunch. Heat a skewer. Shove a hotdog on it. Wait until insides are burnt. Remove from skewer with bun.

BLACKSMITH ASSOCIATION OF MISSOURI
1774 ROTH HILL DR.
MARYLAND HEIGHTS MO. 63043-2940

Please send changes to Bart White 802 Maple Ln. Macon, Mo. 63552

Next Meeting: November 11th, 2023

Hosted By: Green Welding and Sales 1464 SE County Rd. 15305, Appleton City, Mo. 64724

Lunch: Food Truck Available.

Bring Chairs.

