

RAM

November/ December 2022



November / December 2022
Volume 39 No 6

Blacksmith Association of Missouri

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Membership Application

Name: _____

Address: _____

City: _____

State: _____ Zip: _____

Phone: () _____

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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

ABANA Membership Application

Primary ABANA Charter Affiliation: _____

Name: _____

Address: _____

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Phone: () _____ Zip: _____

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New Member Renewing Member

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*

Digital \$55 / yr. Available world-wide, including North America. Publications will be sent digitally to the member's e-mail address on file. No print copies will be mailed.

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'

Presidents Letter

Hello BAM Members, as of this writing the holiday celebrations are beginning. I hope you have a wonderful holiday season.

First, I would like to make everyone aware that our own Mike McLaughlin received the Joe Humble Award from ABANA. For those that do not know, the Joe Humble Newsletter Editor award was initiated in 1994. It was named after the ABANA editor that published their monthly edition for 14 years. The winner of this award is voted on by his peers (other editors). The committee uses an evaluation form covering Content, Readability, and Layout Presentation. Mike will now join the ranks of past editor winners like Clay Spencer and another BAM editor Jim McCarty.



Mike received the award virtually on November 4th via Zoom with the BAM Officers and other ABANA members watching. Mike brought his plaque to the December 3, BAM meeting so everyone in attendance could see. Make sure and check out the picture. I will ask Mike to bring the plaque to the conference, so more of you can also see. We are very fortunate to have him as our editor and I know he will continue to do a great job.

December brought our planned change in Coal Captain. A truckload of Coal was delivered to Mike Lanham (New Coal Captain) on December 5th. Therefore, if you have a lot naughty folks on your gift list, we now have enough coal for them. Also note Bob Alexander will now be a coal station. See the meeting minutes and the coal page with the map and pricing later in the Newsletter.

The December 3 meeting was well attended and we had three demonstrators, make sure and check out the articles in the Newsletter.

As we wrap up 2022, I am grateful for all the members and their contributions. BAM has always been something to be proud of and I look forward to 2023.

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

Santo



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BAM is 501 (C) (3) public charity. Therefore, donations can be tax deductible depending on your tax situation. Additionally, Amazon will contribute .05% of your Amazon purchases to your designated charity at no cost to you. BAM is an AmazonSmile eligible charity. To do so you need to make your Amazon purchases through the AmazonSmile browser page (needs to say AmazonSmile in the upper left area when you go through checkout) and have pre-selected BAM as you designated charity. To do that visit link below and it will bring up BAM for you to select or on our website link information called "BAM is a 501 (C) (3) Public Charity..." where you can click on it. <https://smile.amazon.com/ch/43-1716288>

December 3, 2022 - BAM Meeting Minutes

Santo opened the meeting held at Mueller Industries by thanking the Mueller family for hosting the meeting and also Bob Alexander for coordinating it. Santo then proudly introduced our own celebrity BAM Newsletter editor-in-chief Mike McLaughlin who showed off his plaque that was presented to him as the winner of the prestigious *Joe Humble Newsletter Editor Award*. This award is presented by ABANA to affiliate organization Newsletter Editors for excellence in their craft. The award was given to Mike by ABANA president Leigh Morrell during an awards ceremony Friday November 4th at which another beautiful BAM box made by BAM's own Pat McCarty was raffled off. The awards meeting was attended "virtually" by the BAM officers and Mike via Zoom. ABANA had asked for this award to be a surprise for Mike, so Santo asked Mike to write a story about the raffle as a pretense to get him to attend the meeting without raising suspicion.

Santo congratulated Mike on the award and said he had earned it, but Mike, in true "Joe Humble" style said to those present, "I just write what you guys do, you guys *do* the stuff and I just fill the pages with what you all do"!

Next, Santo introduced Bart White, our new Membership director, who gave the membership report. Bart said that BAM has about 560 members and asked to please contact him with any address or other membership information changes and also mentioned that if you are not getting your newsletters, to contact him to get that resolved.

Santo gave the Treasurer's report for Chris Miller who is recovering from hip replacement surgery. Chris will hopefully be resuming his normal duties soon, but in the meantime, Santo will handle reimbursements and can cut checks if needed. The BAM treasury balance is about where it started at the beginning of the year, and considering that we had free registration for Conference and we bought a load of coal, we're covering expenses and we're in pretty good shape.

Santo mentioned that we have several changes to our coal stations. Bob Alexander, who has been coal captain for many years will continue to host a coal station at his shop, but will no longer be the coal captain. Mike Lanham will be the new Coal Captain. Bob will have normal coal station pricing going forward, while Mike will have the coal captain pricing. See BAM.org or the newsletter for coal station locations and pricing. Always call ahead to arrange pickup of coal as hours vary by coal station. Also, two of our existing coal stations will no longer sell coal: Ken Jansen, will no longer host a coal station since his shop is only fifteen minutes from Mike Lanham's place, and Bob Maes in Millersville, near Cape Girardeau will also no longer sell coal.

Santo gave the conference report for Conference Chair Ashley Farnsworth who was unable to attend. Ashley, along with Larry Hults, and Santo have been working on the Conference flyer. Ashley has arranged for the lunch wagons (food trucks) to serve lunch at conference. The auction dinner will still be catered and require pre-registration. While the 2022 Conference registration was free, 2023 Conference registration overall will continue to have the same pricing as we had 2021.

On Saturday, April 15, and Saturday April 22, the two weekends before Conference, Ray Scott will host two *MTS Beginner Classes* using the Mobile Training Station at his place in Eminence, MO. Please check the BAM.org calendar for up-to-date details as that draws nearer.

As was mentioned last meeting, (see minutes from prior newsletter for more details) ABANA has approached BAM about participating in the ABANA National Curriculum (NC) certification program. The National Curriculum has three levels and provides certifications for each level. Once certified at a given level you can teach at the level below your certification. Matthew Burnett mentioned that he, Don Anders and John Dilsaver attended the meeting that ABANA held in Illinois earlier this fall and that he and Don have attained a Level 2 certification which allows them to certify candidates at Level 1. If there is enough interest in this program within BAM, ABANA may sponsor a trainer at their expense to get more of our members certified. You must be an ABANA member to participate and get certified.

The website upgrade is on hold for now, and we hope to have more information at the next meeting.

Don't forget the upcoming meetings: The Jan-Feb meeting will be Feb 4 at Higbee, MO. Dennis Marshal and Jeremy Howell will be demonstrators. Trade item is a *door knocker*. The Mar-Apr meeting will be March 25th at Doniphan, MO. John Kirby will be the demonstrator. Trade Item is "*anything with a scroll*". Santo mentioned that we are still looking for a venue for the June meeting and John Murray said he may be able to host, so let's hope for that! In any case, let Santo know if you or someone you know can host an upcoming meeting.

Karen Bouckaert mentioned that she has transferred all of the books to the Library Trailer and it is now fully packed. The books are sorted in alphabetical order by title and she would like to see more members use the library and check out more books. Karen said she will bring the trailer to select meeting locations, and will still use the "coolers" for the more "distant" locations, as it is a big trailer to haul around.

Paul Talaski asked if there was any interest in the group having a workshop for members to build their own belt grinders. Matthew Burnett said he might be able to host that, and he estimated that we'd need around ten or more participants to make it worthwhile. If you are interested, contact Santo so we can gauge the level of interest.

John Sherwood asked that members think about putting something in the Conference Gallery. You do not need to register ahead of time to enter things in the gallery.

The meeting adjourned so we could have Iron in the Hat.

Editor Notes:

I would like to thank Santo for submitting my name. Would also like to thank Leigh Morrel ABANA president, and the Joe Humble committee members, Dave Smucker, Steve and Carol Sporre, Jenny Plummer-Welker, Amy Mook, and Mark Teece. Extra thanks to Scott Kretschmer. Thanks for your vote of confidence.

Well I have another full issue, so I would like to thank the members for every thing you do.

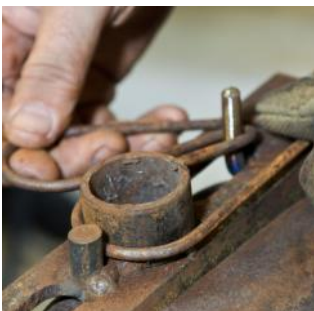
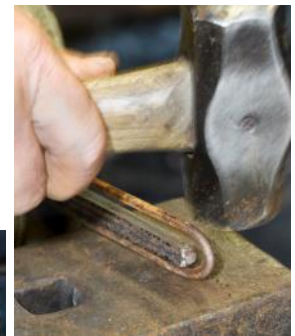
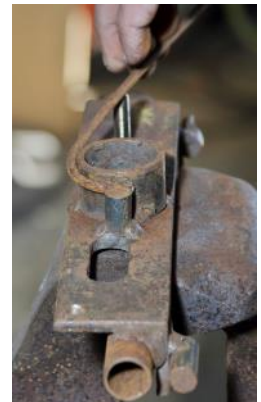
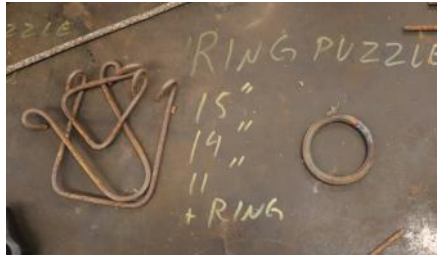
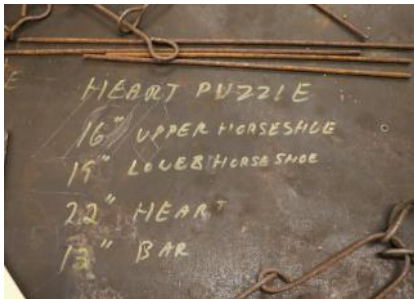
Mike M.



Ken Jansens Black Friday Hammer In.

Written By: Mike M. Photos Mike M., Bob Stormer, John Sherwood, Bruce Herzog

The Theme was Puzzling. Ken had 4 different Blacksmith puzzles for participants to make. I don't have instructions to make them, but I do have some dimensions of materials and some pics of tooling to make them. There is a few videos on the internet that show how to solve them. Just plug in "Blacksmith Puzzles" Ken had 20 people show up which is a low head count. It was a nice day. The shop was not as noisy and we could tell stories a little easier. Most of the puzzles were made from 3/16" round. All bends were made cold. Heat was needed to head the nails and bend them. A welder connected the ends of the heart.



The 2 fixtures mounted in the vises would make 95% of all the bends you would need.





Jon could not stand to see the big hammer not working. He made a nice fork and spoon from RR spikes

Matt Dixon Demo

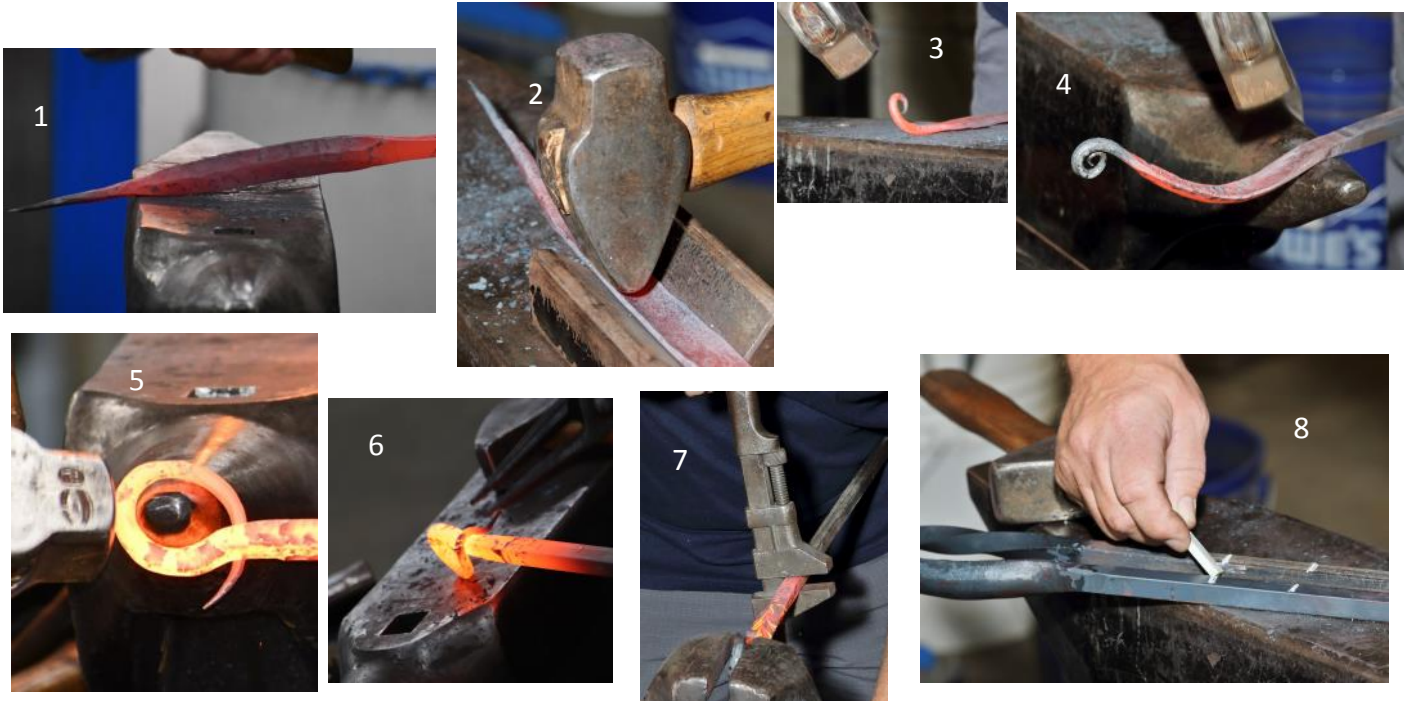
Written By Mike M. Pics: Bruce Herzog, Michael Gorzel, John Sherwood, Mike M.

Matt is making a pair of decorative fireplace tongs. He used 2 pieces of ½" square 30" long. He started with the handle end. He drew out about 1.5" of the first bar to a round taper to about 3" long. Then flattened out about 6" of it to about 1" wide. (1) Make a nice smooth transition between the tapered end and the flat.

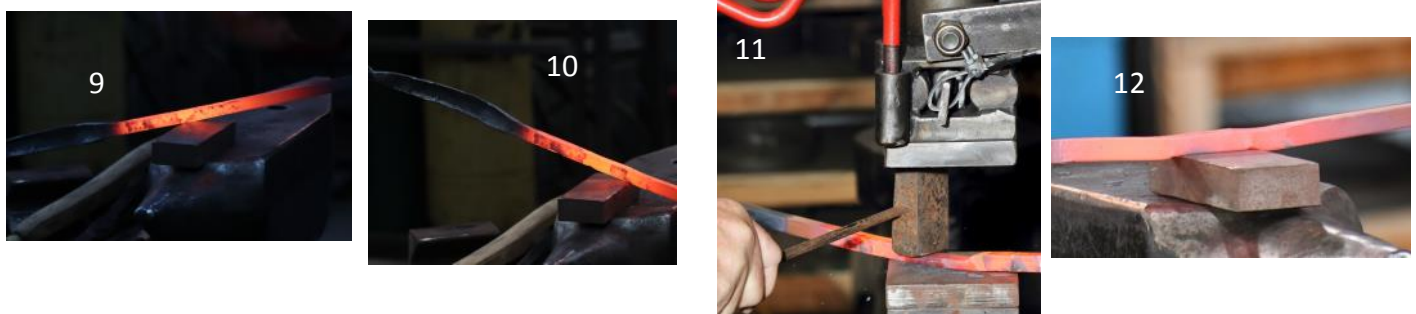
Once it is nice and smooth use a V block or round swedge to give it a nice convex shape. (2) Roll up the tapered end to a nice scroll. (3) He used the horn of the anvil to make a curve in the handle. (4)

The second bar he drew out a taper about 5" long. Make it nice and round and to a point. He used the horn of the anvil to form a loop. (5) Leave enough material to wrap around the bar. (6) You will have a closed loop that will be used for hanging.

He heated up about 8" of the bar end, cooled the loop, clamped the loop in the post vise and twisted the bar. (7) Twist as much as you like just remember to line up the loop with the flats. Keep the bar straight.



Next, he is creating the offset where it will be riveted together. You want it about 3" below where the handle ends. If the hinge point is above center when you hang them, they will stay closed automatically. He marked the bar 3" from the handle and then another 1.5 to 2". (8) Mark them with a cold chisel. Make sure you mark them on the correct sides. This will be your hinge point and you want the flat parts of the bar against each other. Heat and use the edge of the anvil or a block in the hardy hole to "set" it down at your marks. Do this on the far side and the near side. (9, 10) Matt used a treadle hammer and a set tool to bring the thickness down to half the thickness (about ¼"). (11, 13) Reheat and clean up the with and edges. You could use an anvil block or work back and forth near side far side on the edges of the anvil. (12)

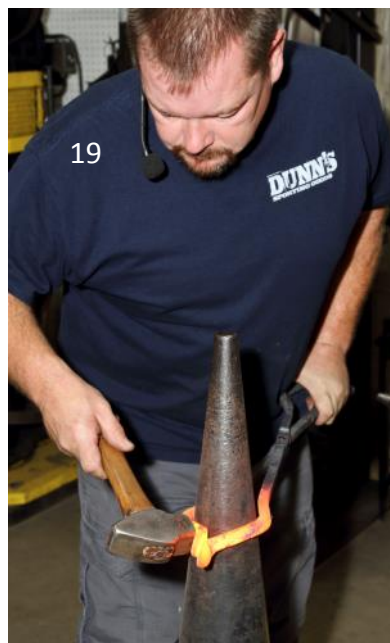
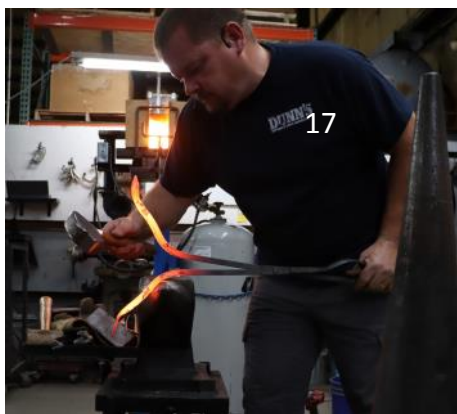
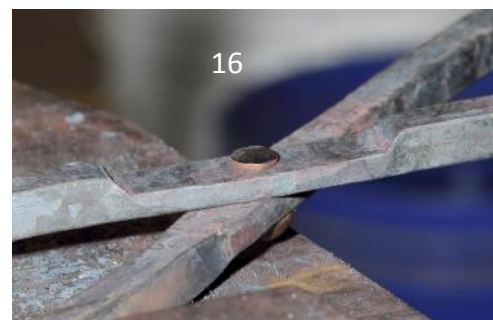




He drilled holes for the rivet in both halves. Put the rivet in but don't set yet. Cut off the tong ends so they are the same length. Create a short, blunt taper on the end. With about 1 to 1.5" on the anvil use half face blows to reduce the thickness to about half. Shape it kind of like a leaf.(14, 15) Do both halves the same. You could make it round or

whatever shape you want. Make sure you have the flat side on the inside of the tongs. These will meet when closed. Put the rivet in and check to see if they are appx. the same length and size. If you like it set the rivet.(16)

Heat the ends of the tongs. Bend the pads of the tongs out from the center about 30 to 45 degrees. Heat about 8" back from the ends. Using the horn bend them both out about 45 degrees heat again and bend back towards the center to create an arc.(17, 18) If you are using a gas forge you need to get these ends bent out and back in one heat so they will fit back in your forge. Or you have to try to do them one at a time. He then heated them again and used a cone to help with the final shape.(19) Make sure the pads line up and that they close as far as you would like.



Pat McCarty Demo

Written by: Mike M. Pics: Bruce Herzog Michael Gorzel, John Sherwood, Mike M.

Pat was making a coffee scoop. These are very popular sellers for Pat. The material for the handle is $\frac{3}{4}$ " x $\frac{1}{8}$ ". It is his take on a colonial style handle. He heated and set 3" of material on the edge of the anvil using half faced blows to draw the material out.(1) The material is not very thick so be careful of folds. He is looking to get about 9" of a

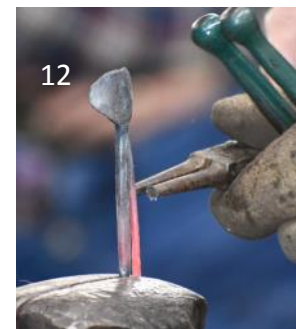
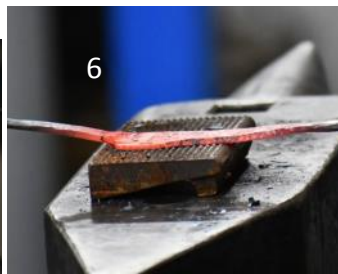
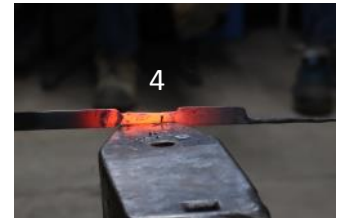
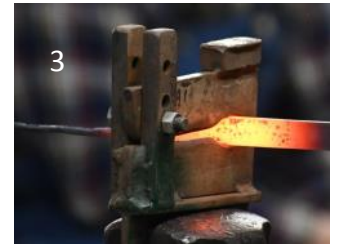
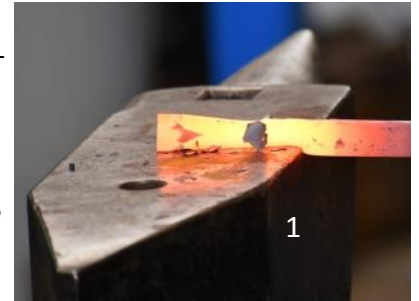
round taper on one side of the bar. He wants it to be about $\frac{3}{16}$ " diameter and tapered towards the end.(2) Heat and fuller about 3" down for the handle, then heat again and fuller about another 1.5" for the shaft of the handle.(3) This is done to isolate the area that will be the shaft. He used the flat horn of the anvil to do this. You could use the round horn or an anvil block to do the same thing.(4) This will end up being about 3 to 4" long. Taper the handle to meet the shaft.(5)

Pat has a plate that has a checkerboard pattern on it. He used this to create texture on the face of the handle. You could use whatever you want. Chamfer the edges.(6,7)

He cut it off the leaving about $\frac{3}{4}$ " of the original bar. Heat it and round up the edges. Then use the peen of your hammer to make it oval. This gives more space to spread the rivets out. Then lay the side of the oval that will be attaching to the cup on the anvil with the shank right at the edge.(8) Hammer down to create an offset. Clean up the edges. This will show when you bend it to fit the cup, so make it nice.

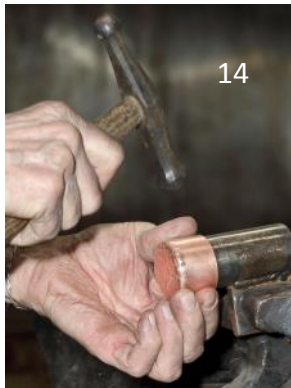
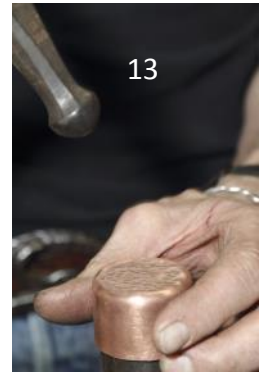
To create the curve that will match the outside of the cup, Pat used a v-block to over bend it. Then used a mandrel to make the curve fit.(9) This will be bent about 90 degrees cold later. It makes it easier to drill for rivets if it is left straight.

Finish the handle. Heat the long taper near the wide end of the handle. Use the horn to offset it a little and bend it around into a loop that ends up parallel to the handle.(10, 11) He then clamped it in the vise to wrap the tail of the of the taper around the shank.(12)

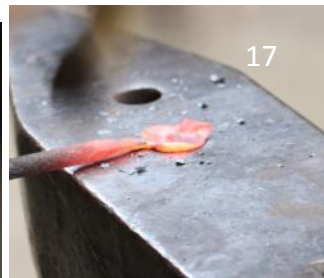


The Cup is a 1-1/4" copper end cap for plumbing. You could use a smaller one also. He has a mandrel that fits the inside of the cap. He used a small round hammer to texture the entire piece.(13, 14) It covers up any stamping that was on it and hardens it. He also textures the rim by holding it in his hand. Use a piece of sandpaper to clean up any sharp edges on the inside.

Mark and drill 2 holes for rivets in the handle. Clamp the oval in the vise in the end of the jaws and bend the handle 90 degrees. Mark the cup and drill the holes. Insert the rivets and peen.(15) His mandrel is just small enough to allow the cup with the rivets in it to slide over it. He used brass rivets.

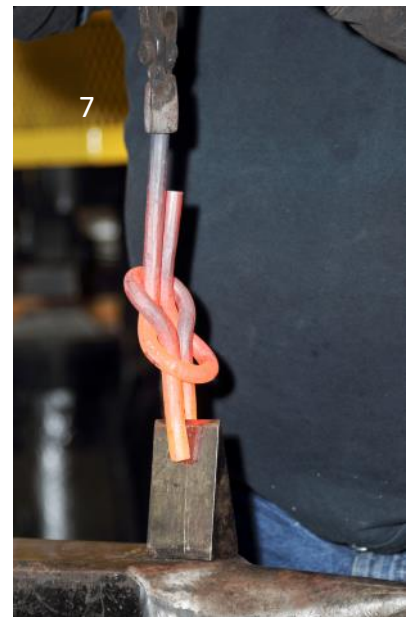
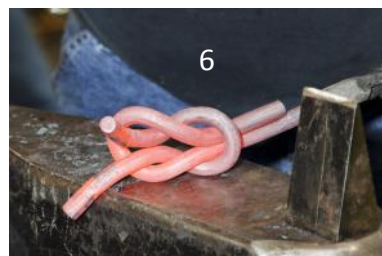


Pat usually does a warmup leaf to start off every day. Today he did it second. Create a point. Decide how long you want the leaf and set that off the far end of the anvil.(16) Set it down to create the stem. Use you peen to spread out the leaf. Pat makes them real thin in the middle then creates the width and shape.(17) The thinner it is the easier it is fold in half. Use a V-block or the step in the anvil to start the fold in the center. Finish the fold on the anvil.(18) Only fold about 2/3 of the length.(19) It makes it easier to open. Pat used a pair of snap ring pliers to open it back up.(20) Finish the shape. Cut it off the parent bar and finish the stem. Pat has a pair of tongs that fit the leaf shape without distorting it.(21) Shape the stem however you like. Wire and brass brush.



John Sherwood Demo Written By: Mike M. Pics: Bruce Herzog, Michael Gorzel, Ellene Sherwood, Mike M.

John is making a Knot out of 2 pieces of ½” round. He uses this to make a candle holder. He makes them with one end longer to hold the candle cup. It could be used as an element in anything you like. He had previously textured the bar. Heat heated the bar in the middle and bent it into a loop in a jig to get it started.(1) The loop will need to be big enough for 2 bars side by side to fit through. He used an 1-1/4” mandrel to bring the bars together. (2) It will look like a big cotter key.(3) Heat it and clamp in the post vise with the loop sticking out. He used a “T” shaped tool to bend the loop about 45 degrees.(4) Bend both pieces. It will have to be far enough for the ends of the other to slide through. (5)Flatten it out a bit and spread the legs out to make feet and keep the knot tight.(6, 7) He used the treadle hammer to help flatten it more evenly and not put as many marks in it.



John then made a candle cup out of $\frac{3}{4}$ " pipe. Heat end of pipe flare it out. Either use the horn of the anvil or a mandrel with the shape you want and drive it on it. He uses either a Ball peen or a hammer with a nice round on it to keep from putting too many hammer marks in it. Be careful not to collapse the pipe. Be careful cooling also. Hot steam may shoot out the end of the pipe when submerged in water. After flaring the end use a slapper fullering tool or guillotine tool to neck the cup. Go slowly and make sure you keep spinning it. If you hit too hard it won't be round. You can close it up all the way or leave it open to accept a small piece of round. Cut it off with a hack or band saw.



John then used a piece of $\frac{3}{8}$ " round to make a hook with a bend in the middle. He learned this element from Doug Hendrickson, he called it "The Wave". Bend the bar in the middle. Set about 1' or so of the bend on the anvil and flatten it about half the thickness of the bar. Heat the center and open it up. John then made a hook on both ends. I did not get a picture of the finished hook. This could be used as an element anywhere you would want.



Trade Items: Letter Opener Pics: Bruce Herzog, John Sherwood



John Sherwood to
Travis Dailey



Pat McCarty to Mike Mclaughlin



Denny Quinn to Don Anders



Mark Clifford to Pat McCarty



John Bach to Dan Wedemeyer



Dan Wedemeyer to Steven Allen



Carl Buck to
John Bach



Mike Mclaughlin to Mark Clifford

Matthew Burnett to Denny Quinn



Travis Dailey to Jon McCarty



Brandon Crawford to John Sherwood



Steven Allen to Joseph Papin



Joseph Papin to Kurt Knickmeyer



Chris Bopp to Bob Triphahn



Kurt Knickmeyer to Brandon Crawford



Santo Giuffrida to Matthew Burnett



Bob Triphahn to Zach Adams



Jon McCarty to Santo Giuffrida



Zach Adams to Carl Buck



Don Anders to Chris Bopp

December 2022 *Blacksmith Association of Missouri Newsletter*

by Lisa L. Higgins

Thanks to Mike McLaughlin for asking me to write an article for the *BAM! Newsletter*. It really is my honor to do so, both personally and professionally.

Professionally, I direct Missouri Folk Arts, a program of the Missouri Arts Council anchored at the University of Missouri's Museum of Art & Archaeology. Along with our Program Specialist Deb Bailey, I work to fulfill our mission to document, sustain, and present the Show-Me State's living traditional arts and folkways. While we have two staff members, we truly do understand that our work is possible through active collaboration with citizens of Missouri. We are proud to count BAM! and its members as partners in collaboration—and friends.

BAM! Newsletter readers may be most familiar with Missouri Folk Arts' apprenticeship program, which launched in 1984-85 with grant support from the National Endowment for the Arts, the Missouri Arts Council, and the Missouri Cultural Heritage Center (our predecessor). In that very first year, grant funds supported ten apprenticeships between master artists and their mentees in musical traditions of the state (old-time, jazz, blues, and gospel). In the second year, thirteen master artists were funded in a mix of art forms that included "material culture" or crafts. That year, we saw the first blacksmith apprenticeships with Bob Patrick (then living in Bethel, Mo.) teaching apprentice Grady Holley and Darold Rinedollar (Augusta, Mo.) teaching Marty Pehle.*

Those less familiar with the Traditional Arts Apprenticeship Program (TAAP) history in Missouri and other states might not know about Bess Lomax Hawes. She was the first head of Folk & Traditional Arts at the National Endowment for the Arts and launched these statewide folk arts programs in the early eighties. Establishing apprenticeship programs was her second major initiative; her first was to establish folk arts/folklife positions at, or in collaboration with, state arts agencies across the U.S., and Missouri Folk Arts owes the late Ms. Hawes a debt for both efforts, which staff works hard to sustain.

In the 38 years of the Traditional Arts Apprenticeship Program, blacksmith teams have participated in 26 years, sometimes with two or even three teams represented. The master blacksmiths represent a number of Missouri regions and several finished products, both functional and ornamental—from hardware for historic preservation, gigs for fishing, and various tools to collectibles like Damascus knives, ornate furnishings, and whimsical objects. In fact, when I go into our files to count blacksmiths in the apprenticeship program, I must remember to search three or four ways. I believe it is fair to say that blacksmithing ranks just behind old-time music as the most common tradition in TAAP, though I didn't do an official tally today. We have apparently shared blacksmithing stories enough in our communications that the National Endowment for the Arts used an anvil to represent Missouri in its 2017 motion graphic, which readers can watch here: <https://www.youtube.com/watch?v=4NiPrBBCJA&t=2s>

In Missouri, we try to center the apprenticeship program and its legacy in all our work. TAAP serves as the hub of the wheel, and the spokes are our projects, which, over the decades, have included exhibitions (temporary, traveling and digital); publications of our own or with partners (like this one!); and public events at venues around the state, including the Missouri Capitol. In 2015, we celebrated TAAP's thirtieth anniversary with five regional fairs, and blacksmiths demonstrated at three. In 2019, we partnered with the Mid-America Arts Alliance in Kansas City and with Bernie Tappel to install an exhibition, featuring objects in his private collection. He and Mike McLaughlin demonstrated, along with the exhibit, during a First Friday event in downtown KC. In 2020, we were working on a small blacksmithing exhibition at our campus Museum of



Art & Archaeology that was interrupted by the pandemic, so we created a digital version on our website. In 2021, our first official staff work trip was to the BAM! Conference at the state fairgrounds. That same year, our friends at Ozark Vitality premiered a short documentary film about gig maker Ray Joe Hastings. And, we featured a “hammer in” with five blacksmiths in Columbia at the State Historical Society of Missouri’s Bicentennial event.

We have attended BAM! meetings when possible (especially Deb Bailey as she invites new apprenticeship proposals); we have been invited and attended (not often enough) the Tappels’ annual *Old Retired guys and anyone who wants to take a vacation day Hammer in*; and we have rung the anvil at a funeral or two. I think that I can say without question that Deb and I have learned so much and made so many friends. Thanks to BAM! for welcoming us and for sharing the Missouri Folk Arts’ story with others. Collaborations and partnerships like ours matter; just this year, we have a new woodworking apprenticeship due to a word-of-mouth referral from a former blacksmithing apprentice!

***TAAP Master Blacksmiths, 1986-2021**

Bob Patrick
 Darold Rinedollar
 Ward Westbrook
 Guy McConnell
 Paul Martin
 John Glenn
 James Wilder
 Don Asbee
 Preston Williams
 Ed Harper
 Pat McCarty
 Bob Ehrenberger
 Bob Alexander
 Glen Mock
 Ray Joe Hastings

***TAAP Apprentice Blacksmiths, 1986-2021**

Grady Holley	David Williams
Marty Pehle	Calvin Glenn
Paul Harvey	Melvin Williams
Randy Shores	Frank Hurt
David Gronefeld	Matthew Burnett
Ward Westbrook	Steve Orchard
Michael Brewer	Doug Knight
Tom Rowland	Thomas Ratliff
Melvin Glenn	Steve Eikerman
Mike Harris	Mark Clifford
James George	Eric Van Alstine
Ray Joe Hastings	Lisa Thompson
Dane Campbell	Keith Whiteside
John Wiggington	Matt Dickson
Jim McCarty	Anthony Martin
William Glenn	John Dilsaver
Bryan Thomas	John Kirby
Lee Howard	

Missouri Folk Arts Program <https://mofolkarts.missouri.edu>
 Follow on facebook.

Tool for holding sockets for bending radii

This is a tool I came up with 15-20 years ago. It enables me to make hooks or bend rod or flat narrow stock into a variety of radiuses. It is made out of an old junk adjustable crescent wrench I had. I cut it off and welded it to a piece of heavy tubing that fit my hardy hole. I ground one side to hold a 3/8" socket of any outside diameter and welded a small piece of spring steel to the other side for length and ground it into a piece to hold a rod or a curl on a hook. I adjust it for whatever I am bending. The pictures should explain things well enough for anybody able to electric or torch weld and use a grinder. After I welded the spring steel on I heated the area welded with a torch to red heat and let it air cool. I used a mig welder, but it could be welded however you normally weld steel.

In the photos I took two piece of 1/4" round rod, pointed them and forged a curl on one end. I adjusted the tool for the rod I was bending and then heated the rod. Since this rod was mild steel I cooled the curl in water before bending, and you pull hard on the rod towards you when bending to get a nice bend. I can change sockets and bend to any size in a socket set. I was going to make a better one, but this one worked so well I have just used it. I have an adapter to use 1/2" sockets on it as well. While I invented this myself, I am certain this type of tool has been made by many smiths as we are an inventive bunch. Doing production work gives a person a lot of time to think while doing repetitious work.

Bob Patrick 11/2/2022



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:



The Library Trailer is filling up. Karen is doing a great job getting it filled. Now check out a book or two.

Part of Don Anders National Curriculum Certification.



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

Upcoming EVENTS

February 4th, 2023 - Meeting - Dale Kirby. Coopers Oak Winery/ Skullsplitter Spirits
9603 Hwy B Higbee, Mo. 65257
Lunch Available. Trade item Door Knocker

March 25th.2023-Meeting- Tom Kennon Blacksmith Shop. Doniphan Mo.
Lunch Available. Trade Item: Anything with a Scroll

April 15th. and April 22nd 2023. MTS Classes day 1 & 2. Eminence, Mo.
Contact Don Anders for info.

April 27th. - 30th. 2023 31st. Annual Ozark Conference. Sedalia, Mo.
Demonstrators: Nick Rossi, Glenn Horr, Lisa Elias. Special appearance by Vernon Mesler on
Thursday night.. See the BAM website for more info. Flyers should be in the mail.

June 24th, 2023-Meeting- Meramec State Park Shelter 1
Bring Lunch and Chairs. Trade Item TBD

November 11th. 2023-Meeting- Green Welding and Sales 1464 SE County Rd. 15305, Apple-
ton City, Mo. 64724 Lunch TBD Trade Item: TBD



Coal Stations

Coal Captain: Mike Lanham

Price per bag:

BAM Members \$18.00

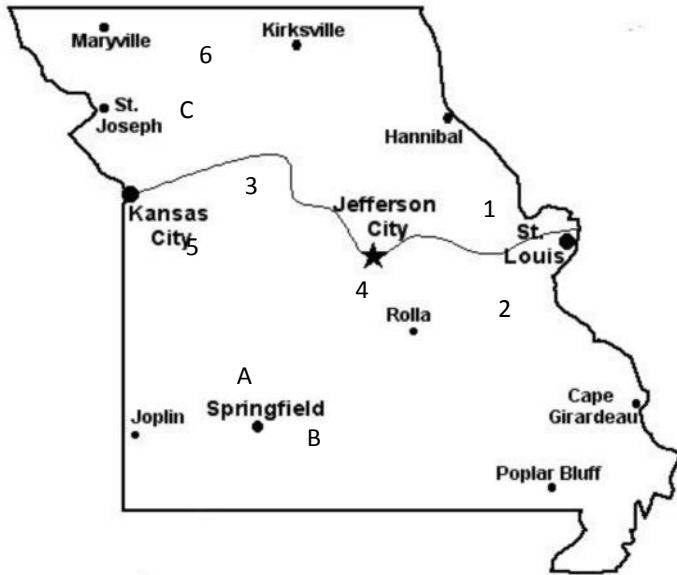
Non Members \$23.00

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 weekends
and before you come. You can text also.
2. Bob Alexander (636) 586-5350
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 (660) 638-4536
1545 NW 300
Urich, MO 64788
6. Bill George (660) 247-0426
19133 LIV 355
Chillicothe, MO 64601

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. Blacksmithing Coal for sale \$15 per approximate 50 lb. bag with bulk delivery available. Matthias Penn, Rt. 1 Box 479, Ava, MO. 65608. 417-543-2148. Or e-mail tytheblacksmith@yahoo.com.
- C. 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:

WANTED: A and P coal/coke firepot. If you have one or know where to get one contact Ray Scott, 417-255-5266 Eminence Mo.

For Sale: 330 Lb. Euroanvil Excellent condition Side Shelf, Upsetting block, Wooden stand \$2200.00
William (Toby) Tobler 816-419-4308

For Sale: 200# Hay-Budden, 1-1/8" Hardy, Substantial tripod stand. Some hardy tools. Pics on website under tailgate. \$900.00 Rob Ahrens 573-221-7556 New London Mo.

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 636-586-5350.

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:

Missouri School of Blacksmithing Cameron, MO
Instruction by Matthew Burnett
Group and Individual classes offered.
816-575-2798

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

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

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

Blacksmith's Journal, Instructional back issues by Jerry Hoffman are available online at 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.

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

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

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. The link of our NEB web page to this information is: <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

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

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

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

Kayne and Son Custom Hardware, 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.

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

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

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

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 its very own E-Mail news group. If you would like to participate there is a sign up link on the bamsite.org or send an E-Mail to Terry Humphries at thumphr@south40.org and he will get you signed up.

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 816-296-3935

BAM
P.O. BOX 127
DONIPHAN, MO. 63935

Please send changes to Chris Miller, P.O. BOX 127 Doniphan, MO 63935

Next Meeting: Saturday February 4th, 2023

Hosted By: Dale Kirby Coopers Oak Winery/ Skullsplitter Spirits

9603 Hwy B Higbee, Mo. 65257

Lunch Available. Trade item: Door Knocker

