

BAM

September / October 2020



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Volume 37, No 5

Blacksmith Association of Missouri

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Santo Giuffrida

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The Newsletter of the Blacksmiths Association of Missouri is published six times a year and is mailed to members of BAM. The annual fee for regular membership is \$30/year; a portion of this amount is for a subscription to this newsletter for one year. Editorial inquiries should be addressed to : Jon McCarty 815 Miller Street, New Haven, MO 63068; (636)432-4468, or send an email to: bameditor2015@gmail.com BAM membership inquiries should be addressed to: Bruce Herzog, 2212 Aileswick Dr. St. Louis, MO 63129 (314) 892-4690 or send email to bjherzog@charter.net. Occasionally some material will be copyrighted and may not be reproduced without written consent by the author. BAM welcomes the use of any other material printed in this newsletter provided the author and this organization are given credit.

Membership Application

Name: _____

Address: _____

City: _____ State: _____

Phone: () _____

Zip: _____

E-mail: _____

New Member Renewal ABANA member

Are you interested in taking a class?

How did you learn about BAM?

ABANA Membership Application

Primary ABANA Charter Affiliation: _____

Name: _____

Address: _____

City: _____ State: _____

Phone: () _____ Zip: _____

email: _____

New Member Renewing Member

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

Regular Member -----\$55 yr.

Senior Citizen (Age 65+) -----\$50 yr.

Student / Library -----\$45 yr.

Youth (Age 18 and younger)-----\$20 yr.

Foreign -----\$65 yr.

Business Membership-----+\$4 yr.

Contributory-----\$100 yr

President Report

By: Santo Giuffrida

Hello BAM Members, I hope this newsletter finds you safe and well. We had a very good meeting on October 17th at Mueller Industries. I was glad to see 30 to 40 folks in attendance and for the most part wearing masks. A special thanks goes to Christine and Jeff Mueller for hosting the meeting.

At the meeting, Bernie demonstrated how to make a Suffolk Latch using a power hammer. As usual he educated and entertained while taking us from stock material to applying the traditional finish. Be sure to check out the article on demo.

We had a productive business meeting; don't miss reading the meeting minutes. Of special note, after over 19 years Bruce Herzog informed us he will be stepping down from the treasury position at end of the year. We have truly benefitted from his many years of service. Fortunately, he will still be around to help us transition. We wish him well and hope he fills that extra time with something fun.

Unfortunately, we will not be having a December meeting like we planned with our 2020 trial schedule. December is a busy month with unpredictable weather and we could not find an available winter location. We will be discussing this at our meeting on February 6. Again, take a look at the meeting minutes.

2020 was a challenging due to COVID complications and the unrelated loss of some long standing members. I think 2021 is looking promising for BAM. We are filling our vacancies (officers and committee members). We are on schedule with plans for the conference. Our tax-exempt status application should be under way by the time of this newsletter publication.

I am look forward to seeing those that can make it at our next meeting. Don't let rust form on the anvil!

Santo



Meeting Minutes ~ October

By: Bob Stormer

BAM President Santo Giuffrida opened the meeting by thanking Jeff Mueller for hosting the meeting and then asked Bruce Herzog to present the Treasurers Report. Bruce mentioned he will be stepping down at the end of 2020. Santo thanked him for his service as treasurer for many years, and Bruce received a round of applause from the meeting attendees. He also mentioned that he is concerned about the continuing drop in membership over the last year or so. Since the last meeting in August we have added 9 members but lost 20 for a net loss of 11 members, with the membership count now at 528.

Santo then asked John Sherwood of the Nominating Committee for an update on filling the treasurer's slot and the 2nd Vice President slot. John said he had one candidate for each slot, Chris Miller for Treasurer, and Orry Harbit for 2nd Vice President. After accepting them as candidates the membership approved them for their respective positions by acclamation. Chris will begin his terms on January 1st 2021 to allow for the orderly transfer bank accounts, data and practices. Orry will begin immediately. Santo also noted that Bruce had been covering the BAM membership tracking responsibilities as part of the Treasurer duties. To make a replacement for Bruce more likely the membership responsibilities were broken out and will be handled by Dennis Marshall beginning January 1st, 2021.

Santo also mentioned he had two potential candidates to replace Jon and Heather McCarty as newsletter editors. Since neither candidate had absolutely committed to fill the position, Santo did not provide their names.

The auction for Phil Cox's equipment will be Saturday, Oct 24th at Margie Cox's home in Hamilton, MO. Bernie Tappel noted there will be three Bradley Power Hammer at the sale along with lots of other items. Mike Gorzel, BAM Conference Chairman, gave an update for the 2021 conference. Two of the demonstrators that had signed up for the 2020 conference have now committed to being demonstrators at the 2021 conference. Mike is looking to lock in two additional demonstrators soon. He also mentioned that Nathan Robertson will be offering a two-day hammer class. The stained-glass classes will be available and Mike believes MaryJo McCarty will also be offering her basket classes. We may also be offering on-line registration this year, but some details need to be worked out yet. Site Captains for each demonstrator will be scheduled for 2021 to make sure each demonstrator has sufficient help. The flyer from 2020 will be used as much as possible for 2021. Mike will provide Bernie with conference information soon so Bernie can get it on the BAM website. Santo led a discussion about whether to continue the trial period of having BAM meetings on even numbered months as we did in 2020, or go back to odd numbered months as we did before 2020. We've been unable to find someone to host the December meeting this year. The consensus at the October meeting seemed to be to revert back to the odd number months, but since there were only 30 members present at this meeting, and the members should make this decision, Chris Miller suggested postponing a final decision until the Feb 6th meeting at Dale Kirby's shop in Higbee, MO. There was a consensus that was a good course of action. **A VOTE WILL BE TAKEN AT THAT MEETING AFTER THE DEMONSTRATIONS AND BEFORE LUNCH.** All currently scheduled meetings will be on dates currently scheduled regardless of how the vote goes.

Santo addressed the need for the recent publishing of Amendments to the Articles of Incorporation and the Bylaws. While BAM is incorporated as a non-for-profit with the State of Missouri, it does not have Tax Exempt Status with the Fed or State. Without Tax Exempt Status BAM must file a tax return like a for profit with IRS and the State of Missouri. Currently we have not been filing either as a for profit or as tax exempt organization (an annual filing without a tax liability). At present doing neither is non-compliant. To avoid risk to BAM with regard to penalties and fines, the officers have decided to correct this situation. After consulting with CPAs and lawyers. BAM has engaged a lawyer to help us apply for Tax Exempt Status and address past concerns that the IRS and State may have. The two documents we published will be attachments to the application form along with others like our Newsletter to demonstrate we meet the criteria to be a 501 C (3) public charity under the category of education. After submittal it can take 4 to 6 months from the IRS to get a determination with regard to Tax Exempt Status. We expect at least questions and potential penalties

from our past and have engaged the lawyer to help navigate that process. We will also improve how we do payroll and 1099s.

After we have resolved these issues with IRS and State of Missouri, we plan to analyze whether we wish to apply for State Sales Tax exemption. We need to calculate the savings on printing, conference catering, and concessions to see if worthwhile. Fortunately, coal is already tax exempt by State of Missouri for all organizations. Also, in going through this process of reviewing our current state, we will be looking at an indemnification insurance policy to cover the BAM officers/directors next year.

The meeting was adjourned.

Iron In the Hat ~ October Meeting

Donated by

Brandon Crawford
Joe Sainz
Bart Wulfmeyer
Jeff/Lou Mueller
Robert Miller
John Sherwood
Denny Quinn
Jeff/Lou Mueller
John Sherwood
Don Anders
Jeff/Lou Mueller
BAM

Won By

John Sherwood
Bart Wulfmeyer
Don Anders
Lisa Murray
Brandon Crawford
Patti Tappel
Bart Wulfmeyer
John Sherwood
Daniel Wedemeyer
John Sherwood
Chris Miller
John Sherwood

Item

Coil Spring
3 Bars/2 Drawing Bars
DeWalt Abrasive Multipack
Books
131 CFM Blower
Needle and Thread
Blades
Books
Antlers
Spring
Books
T-Shirt

Meeting Demo ~ October

By: Bob Stormer

Bernie's demo was one of his specialties, colonial hardware. The project for the meeting was a Suffolk latch that he made from the book "Early American Wrought Iron" on page 165. It is a latch that was on a church door in Woodbury, Connecticut, dated 1797. There is similar latch in Jerry Darnell's book "Forging Colonial Ironwork", but it has a "weeping heart" finial instead of the "onion" finial Bernie made. In Figure 1, Bernie's demo latch and shows the five pieces he made (plus an extra handle), the main latch or grasp, the "thumber" that goes through the grasp and the door with the thumb rest on the outside, the latch bar that goes on the inside, the latch bar keeper, and the latch bar striker, both of which also go on the inside. The next photo, figure 2 shows the story board for the grasp part of the latch, starting from the left with piece 7"x1"x3/8" flat stock. It doesn't look like that small bar could end up looking like the handle at the far right, but it did, with a lot flattening and drawing. If you look at the piece that is second from the left in picture, you'll see that Bernie drew a fairly long point as shown in figure 3 at the right. He then used a spring fuller to define the length of the finial, and left a lot material near the fuller. That allows him to spread the finial to a fairly dramatic shape. Before he started flattening the finials, he took a few passes at the preliminary shaping of the center section, as you can see on the third piece from the left on the story board. He was using a top fuller on the spare tire hammer, which has flat dies, to spread the finial. He made it look pretty easy, but I think it may take some practice to get it right. He made specific note that he was not holding the fuller against the work piece but let it contact the work piece when the hammer came down, as seen in the fourth photo (Figure 4) on the right. Good control of the hammer is essential. He also had a template of the finial so he could make both ends match very closely. A little "grind-smithing" was used to make exact matches.

After repeating the same procedure on the finial for the other end, Bernie continued refining the center section for the handle. He used the 25 lb Little Giant with drawing dies to get additional length and width. After getting the shape he needed he used a swage block to make the outside of the handle a convex shape so it would feel good in the hand. He also took time to make sure it was true, and to do that he used a twisting tool. His twisting tool was made different than most that you'll see. Francis Whitaker told him that the second handle that gets welded to the monkey wrench to make the twisting tool, needs to be welded on near the open jaws, not lined up with the existing handle, as most of us would do. See the photo at the right (Figure 5). This aligns the working part of the jaws in a direct line with two handle "ends" for a more even twist without bending. Good tip.



Figure 1



Figure 2

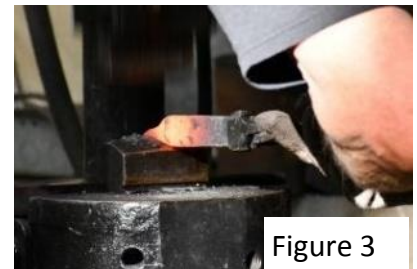


Figure 3



Figure 4



Figure 5

The next step was to put an arch in the handle as shown in figure 6 The only thing left for the grasp or handle was to drill 3 3/16” holes in each finial for mounting it to the outside of the door. Two more 3/16 holes are drilled in the finial in line with the handle near one end of the handle. After chiseling out the slot between the two holes, this is where the “thumber” goes through the upper finial and through the door to the inside.

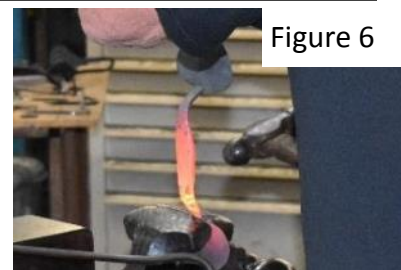


Figure 6

The next piece Bernie made was the “thumber” that goes through the door above the handle and allows you to raise the inside latch bar. See figure 7. The thumber is made from 3/16”x1” 6” with a shape that’s fairly easy to visualize. Instead of flattening the thumb pad and twisting it 90° as I might have done, he set it on edge and hammered straight down a little at a time to upset it until he had sufficient material in width to use his cross peen to draw it out sideways. You have to do this in small steps to avoid folding it over. He mentioned the 3 to 1 rule that I had heard about, but had forgotten. The idea of the rule/guideline is that the height of the part being forged down should not be more than 3 times the thickness, or it will almost always fold over.



Figure 7

In figure 9 you can see the small spike sticking up that Bernie made by hacksawing into the thumber just below the thumb pad, and then prying it up with a flat bladed screwdriver. The purpose of the spike is to hold the thumber in the slot that was punched out in the top finial. In the photo Bernie is inserting the thumber into the finial.



Figure 8

The latch bar striker was the next piece to make. It starts with 3/16”x1”x4” flat stock, and is mounted on the inside of the door for the latch bar to rest on when the door is closed. The point on the top part is driven into the door frame and a nail is driven through the hole in the round pad, also in the door frame to hold it in place. This pad was made in the same way as the thumb pad on the thumber. The rest of it is fairly simple to make, especially if your name is Bernie Tappel. The step at the bend in the top is for the latch bar to slide between it and the wooden door. The tapered part at the top allows the latch bar to ride up the ramp and catch behind the step without holding the handle up when closing the door.



Figure 9

The latch bar was the next piece that Bernie made. The stock was 3/16”x1”x8”. In figure 11, Bernie used a spring fuller to separate the round part from the section that was to be tapered toward the round part. Figure 12 shows him finishing the round end where the nail will go through and hold it to the inside of the door after punching a hole in the center for the nail.



Figure 10

The last piece to make is the latch bar keeper bracket that allows the latch bar to move up and down on the inside of the door. It starts with a piece of 1/8”x1/2”x4” piece of flat stock. Bernie had a jig, shown in figure 13, he made to shape the piece in one hit with the spare tire hammer.



Figure 11

See Figure 14 for how the jig works. The workpiece rests on the bottom part of the jig that uses two pieces of 1/2” square stock, and a top tool to press the work piece into the jig.

Figure 15 shows the final product.

The last step was to use a colonial type coating made from equal parts of beeswax, turpentine, and linseed oil. The bees wax is melted and then mixed with turpentine and linseed oil. The workpiece is heated to a black heat in a smoky fire and then brushed with the mixture. This mixture survives outdoor use pretty well.

As I frequently say when trying to document these demonstrations, there is no substitute for watching the demo in person and asking the questions that will help you make the same thing. In this case, since Bernie followed Jerry Darnell's notes very closely, second best to watching the demo would be to get a copy of Jerry's notes on "Forging Colonial Ironwork". Since Bernie's demo focused primarily on using power hammers he talked about Clifton Ralph as good source for power hammer techniques. He also identified Brent Bailey's You Tube videos as good information.



Figure 12



Figure 13



Figure 14

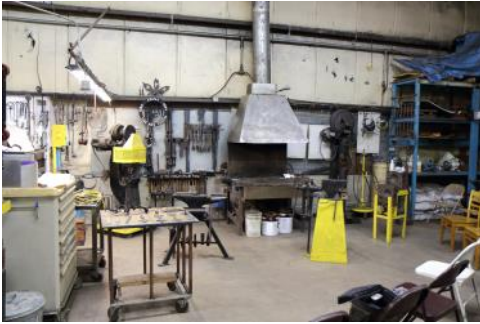


Figure 15



Figure 16

Photo Gallery ~ October Meeting



Trade Items

Door Knocker ~ October Meeting



Made By: Brandon Crawford
Traded To: Chris Miller



Made By: John Kirby
Traded To: John Sherwood



Made By: Jeff Pigg
Traded To: Not listed



Made By: Bob Stormer
Traded To: Santo Giuffrida



Made By: Chris Miller
Traded To: Brandon Crawford



Made By: Denny Quinn
Traded To: John Kirby



Made By: Santo Giuffrida
Traded To: Denny Quinn



Made By: Jeff Mueller
Traded To: Bob Stormer



Made By: Don Anders
Traded To: Jeff Mueller



Made By: John Sherwood
Traded To: Don Anders

Missouri School of Blacksmithing Conference

August 29, 2020

By: Mike McLaughlin

It was a very cool and dry Saturday in August. The forges were lit and the anvils were ready to go.

Matthew Burnett had put together a nice little conference.

The event featured Knifemaker Colton Kiso, Stonecarver Mark Sampsel, Wheelwrights Riley and son Jeff Rice, and father and son blacksmiths Steve and Malachi Bishop, constructing a Civil War era traveling forge.

Lunch and supper were provided and were very good.

There was an ongoing forging competition. You were given 30 minutes to make anything from a trailer of scrap material with basic tools provided. It was a busy and popular area; at one point there were 5 forges being used. There were a dozen entries with Malachi Bishop winning with a long meat fork. Winners were determined by the Conference attendees, by voting for their favorite entry at a dollar per vote.

The forging contest after supper was nail making. Each blacksmith had 10 minutes to make as many nails as they could. After quantity, nails were judged on quality. Colton took first place with 10 nails, using techniques he learned from Don Nichols. Malachi won second place with 8 nails, and I came in third with 7. Cash prizes were awarded to each. Matthew shared that according to Adam Smith in Wealth of Nations, some blacksmiths in the 1700's could make over 2,300 nails per day.



Mark Sampsel

Mark has done restoration on some historic buildings in the area, and is a skilled stonecarver and sculptor. He demonstrated the tooling used to shape and create different textures in stone. He talked about the different types of stone, the grain structure and how to use it. He also explained how to figure out what the original carver did so he could reproduce it. Someone said he had a way of drawing you in, and he really did. I learned a lot about stone and how you could make some of your own tools. For those that want to learn more, Mark will be teaching classes at the Missouri School of Blacksmithing, on this and other subjects.



Colton Kiso

Colton demonstrated making a Drop Point Hunter in his personal style. He started with a piece of 5160 spring steel, and showed techniques to forge the blade and tang. Doing the steps in the right order and keeping everything straight helps ensure success. His forged preform requires minimal grinding. For that he used one of the 2x72 belt grinders made in a workshop at the Missouri School of Blacksmithing this summer. He then normalized, heat treated, and ground the blade, explaining every step and why it works. Two of the biggest tips on grinding for me were grinder height and to use the belts like they were free. Approximately belly height will allow you to be able to see what you are grinding and allow for better control. I learned a lot.



Steve and Malachi Bishop

Steve and Malachi are father and son blacksmiths. They are in the process of building a Civil War era traveling forge. Steve spoke of the history, construction and use of it. You could tell he had done a lot of research on it, and had copies of original plans with dimensions. The forge uses a side blast tuyere, and a unique double lung rectangular bellows. Steve explained that originals are rare, since many wagons and equipment were burned at the end of the Civil War, with the thinking that it was no longer needed. When this forge is completed it is almost going to be too nice to use. Malachi made a bracket and chain link that was used on the forge. He said that this was his first time demonstrating in front of a crowd like us. His forge weld on the chain was done very well. I forgot what he called the bracket but he did a fantastic job.



Riley and Jeff Rice, another father and son.

Riley began by explaining the different parts of a wheel. He explained how to figure spoke and tenon lengths. He then cut tenons on a couple spokes and showed how to fit the felloes. Felloes are the curved pieces of wood that are between the spokes and the iron tire. Then he measured a finished wheel with a traveler for the iron tire. The iron tire is cut and welded to be slightly too small to fit over the wooden wheel. It is heated to make it expand to fit. The tire was already in the fire heating up, and once it was hot enough they set it on the wheel and used water to shrink and cool it before burning the wheel. He hammered on the tire around the outside to help the wheel shrink evenly and set the felloes on the tenons



If you didn't make it to the Missouri School of Blacksmithing Conference you missed a fun and educational day! Matthew said to look for other events next year.

Belt Grinder Building Workshop

By: Matthew Burnett

The Missouri School of Blacksmithing hosted a Belt Grinder Building Workshop July 8th through 11th, 2020. Organized by Matthew Burnett, this was not a class focused on learning blacksmithing, but on sharing the costs, resources, and skills to fabricate 2x72 belt grinders, ready to plug in and put to work. In 2019, we hosted a similar workshop where 19 BAM members built 15 power hammers in 5 days.

Participants were J.P. Camp, from Illinois, John Schonfeldt, from Kansas, Rodd Fuller, from Kansas, and Bryan Thompson, Jed Miller, Greg Clark, Dennis Jacobs, and Denny Quinn from across Missouri. Many of the participants were BAM members, and we continued the BAM tradition by having at least two guys participate with the same first name. We built 10 complete belt grinders, with motors and VFDs, each costing \$1,100. Not only did everyone receive the satisfaction of building them, but also the knowledge of how they were constructed. An 11th one was intentionally built without the motor and VFD for Jed Miller. Jed and his family are moving to Australia later this fall. With the electrical grid being different, Jed will purchase a compatible motor after he gets there.

The workshop started with an explanation of how the belt grinders were to be fabricated, and the reasons for its method of construction. The basic design was based upon the belt grinders made in a BAM workshop organized by Jon McCarty a few years ago, with a few changes. I participated in that workshop, and didn't have one until then, and now I wonder how I ever got along without it. While the original belt grinder has been an invaluable tool, I wanted something more precise for the School. The original used smaller tubing placed inside larger tubing and the gaps shimmed on the tension arm and set screws used on the tool arm. For this workshop, we also used aluminum wheels instead of plastic ones, a different platen plate, and solid 1 1/4 inch square bars for the tool and tension arms. To gain a tighter fit, we welded our own square tubing from 1/4 in. stock, for this to fit into. I researched many options on commercially available tubing that would fit tighter, but was unable to find anything I was happy with. Most options were either not available from my suppliers, too tight or too loose, or not heavy enough. This design allows for other configurations with different parts. The platen is supported on a tool arm that can be removed and replaced with other wheels for different applications, as well as a tool rest. I gave an overview of the tasks to be completed, and assigned initial jobs based upon the skill-sets of the participants. Some began work on wiring the motors and VFDs, some on measuring and cutting steel, others on drilling and tapping holes, or deburring and chamfering edges on the grinders.

Much like the first day of the power hammer workshop last year, the first day was hot, but as the week progressed it cooled off and was pretty pleasant. Having a lot of shade trees, and two large doors at either end of the shop, really helps with ventilation. The School provided homemade lunches each day, and as always, the meals were good times of conversations and camaraderie.

The grinder is driven by a 3,475 rpm, 2 horsepower motor, powered through a VFD (Variable Frequency Drive) motor speed control. The VFD allows you precise control of the belt speed by turning a knob. Once you use a grinder with this feature, it is hard to go back to a grinder without one. You are able to go slow for sanding wood without burning it, or any other work that requires care, but still run fast for aggressive stock removal. The wiring on the motors took a little time to figure out, as we were running single phase 220 volts through the VFD to power a three phase motor. Our electricians brought everything together though.

Everyone kept busy at some task and the work proceeded quickly. Good communication was essential, with so many hands working on so many different parts. Accuracy was very important too, as the belt grinders are precision tools, and run at high speeds. There wasn't as much welding as on the power hammers last year, but still what was done had to be good, and avoid any warping that might misalign parts. We had excellent welders for this project. As we worked, I kept a list of the jobs to be completed on a chalkboard, placing a check mark for the jobs in progress, and a line through it when done.

By early afternoon on the 4th day, the belt grinders had been completed, and tested. Considering that we started out with only the platens plate and base plates cut, and everything else was done from scratch, we thought

we did very well. Anytime you do a workshop like this, you should allow time for unforeseen problems. Pressure brought on by time constraints is not good for safety or the quality of any project. Some minor tweaking involving the alignment of the wheels needed to be done, but other than that, they were ready to put to work.

Since the workshop, Colton Kiso used one of the grinders for his knifemaking demonstration at our Blacksmithing Conference held August 29th, and was very pleased with its performance. Howard Clark taught a knifemaking class at the School, September 10th through 12th, and remarked that they were some of the best homemade grinders he had used.

Everyone went home with a great tool for all of the grinding needs in their shop. Several expressed that they had particular projects in mind, and it was quite a varied list. Now when someone asks where they bought their belt grinder, they can proudly say “We built them.”

Grinder Workshop Photo Gallery



To My BAM family:

I would like to give a BIG thank you to the blacksmith's that came to help make my sale a huge success on October 24th. I decided back in March that it was time to part with the blacksmith trip hammers and a lot of the related items in Phil's shop. The COVID virus was always in the back of my mind if we would be able to have it or not. In May, Bernie and Patti came to my house to start this project. Bernie put together all the spare trip hammer parts with the frames to sell as kits. Ken J was a huge help advising me about the sewing machines. I ordered a 30' x 50' tent to help put sale items in. The day before the sale Bernie, Ken, Steve, Nathan and Howard came to help put items out for the sale. To see these men work together is like looking at a well-oiled machine. They just seem to work together so well. The auctioneer commented to me several times how well these men work together and helped him on sale day. I had asked Bernie and Ken if they would demonstrate the working hammers before the sale started on Saturday. Prior to the sale Ken, Bernie, Steve and Nathan along with my sons (Mike and Marty) and grandson (Dillon) gave a tribute to Phil and his trip hammers buy pouring Tabasco over the hammers for sale and also drinking some of the sauce. Patti was a wonderful helper during the sale as she and my sister from Alabama kept these hungry blacksmiths fed on Friday. The six working trip hammers went to four states: Missouri (3), Minnesota (1), Kansas (1) and Wisconsin (1). After the sale there was a lot of work in getting the buyers loaded out with the items they had bought. Everything went well except for one "pucker moment" in loading Steve's shaper he bought. Ken and Bernie will know about this also. Shorty was the Bobcat operator loading most of the sale items. Not only did these blacksmith's help load everyone out on Saturday, they also cleaned on the shop. This is a wonderful group of men who finish the job to the end. Other BAM members that stayed after the sale for support and chatting were: Bill George, Mark Lawson, Willie Bagley, Mike McLaughlin, Karen Bouckaert and Don Anders. I am blessed to be a part of the organization. The women are a huge support for this group also. Hope you enjoy the pictures.

Margie Cox



TIPS AND TRICKS FOR BLACKSMITHS

Notes on working better, safer, and more efficiently

Reprinted from 'On the Anvil Newsletter' from the Philip Simmons Artist Blacksmith Guild September-October 2020

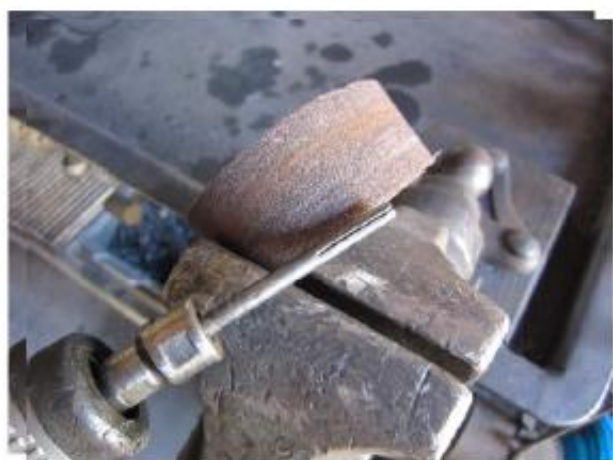
Shop Tip -- Cleaning Your Work Jim Carothers

Cleaning fire scale out of a blacksmith made scroll can be difficult. Paint or other finishes applied over scale often flake off later making your work look bad or making more work for you.

Photos 1 & 2: I use a die grinder and a shop made mandrel to remove scale from the inside of my scrolls. A piece of emery cloth or sand paper is put in the mandrel slot; the free end of the emery held; and the mandrel hand rotated in the same direction the tool turns to form a flapper type roll.

Photo 3: The mandrel is a piece of 1/4" cold finished round bar. It has a band saw or hack saw slot cut in one end.

This flapper type sander is also good for cleaning the inside of candle cups, tubing, etc. Be sure to wear safety glasses and a face shield when using this set up; a reduced air pressure and speed of the tool are good. You really don't need 10,000 rpm to clean off scale and rust.



Scholarship Application

Name:

Address:

Phone & Email:

What class or event do you wish to attend?

Where:

What is the cost?

Tuition:

Travel:

Lodging:

Other:

Briefly, describe how attending the particular class/event 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 scholarship, I will be required to submit an article about the education experience attended with appropriate notes and diagrams to the BAM newsletter no later than 3 months after attending the event AND within 1 year of the event, I will present a demonstration of the newly learned skills at a BAM meeting or complete a video to be placed on the BAM library. One third of the total scholarship amount will be awarded before the event, one third on submission of the article to the newsletter editor, and one third after presenting the demonstration at a BAM event.

Signed _____ Date _____

Send Scholarship applications to:
Mike McLaughlin, 122 Milwaukee, Lawson, MO 64062
cowpie42@hotmail.com 816-296-3935

This page may be printed

Upcoming EVENTS

November 27, 2020 - Black Friday Hammer In - Ken Jansen

December 2020 - No BAM Meeting in December

January 1, 2021 - New Years Day Hammer In - Pat McCarty

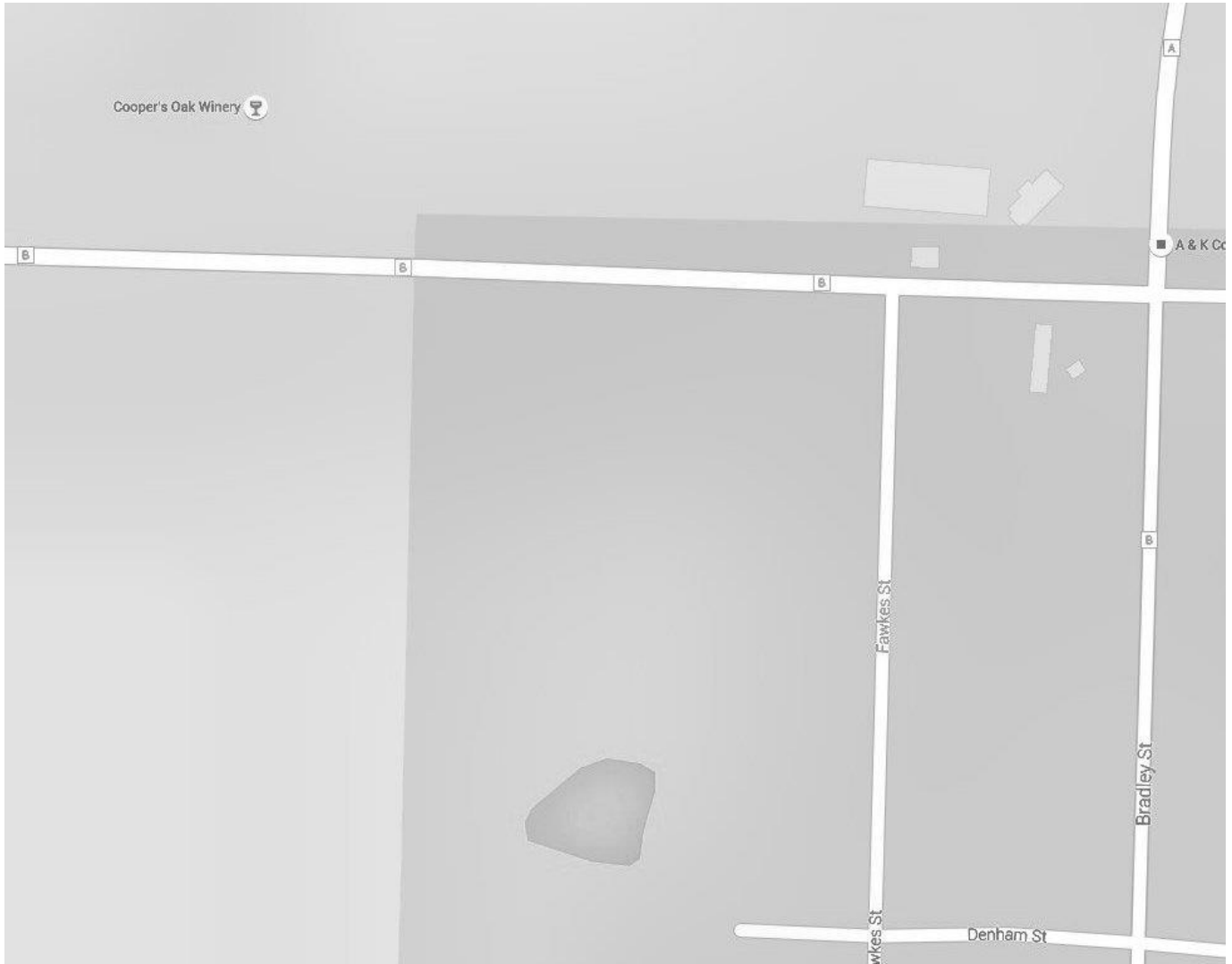
February 6, 2021 - Meeting - Dale Kirby - Higbee, MO

April 3, 2021 - Meeting - Chris Miller - Donaphin, MO

If there is an event that is not listed or a meeting that you are interested in hosting please contact us at BAMeditor2015@gmail.com.

Next Meeting: February 6, 2021

Hosted By: Dale Kirby
9603 Route B
Higbee, MO 65257



Trade Item:

square bar challenge, forge anything you like using only a 6" long piece of 3/4" square.
Use your imagination.

Food will be available

Coal Stations

Price per bag:

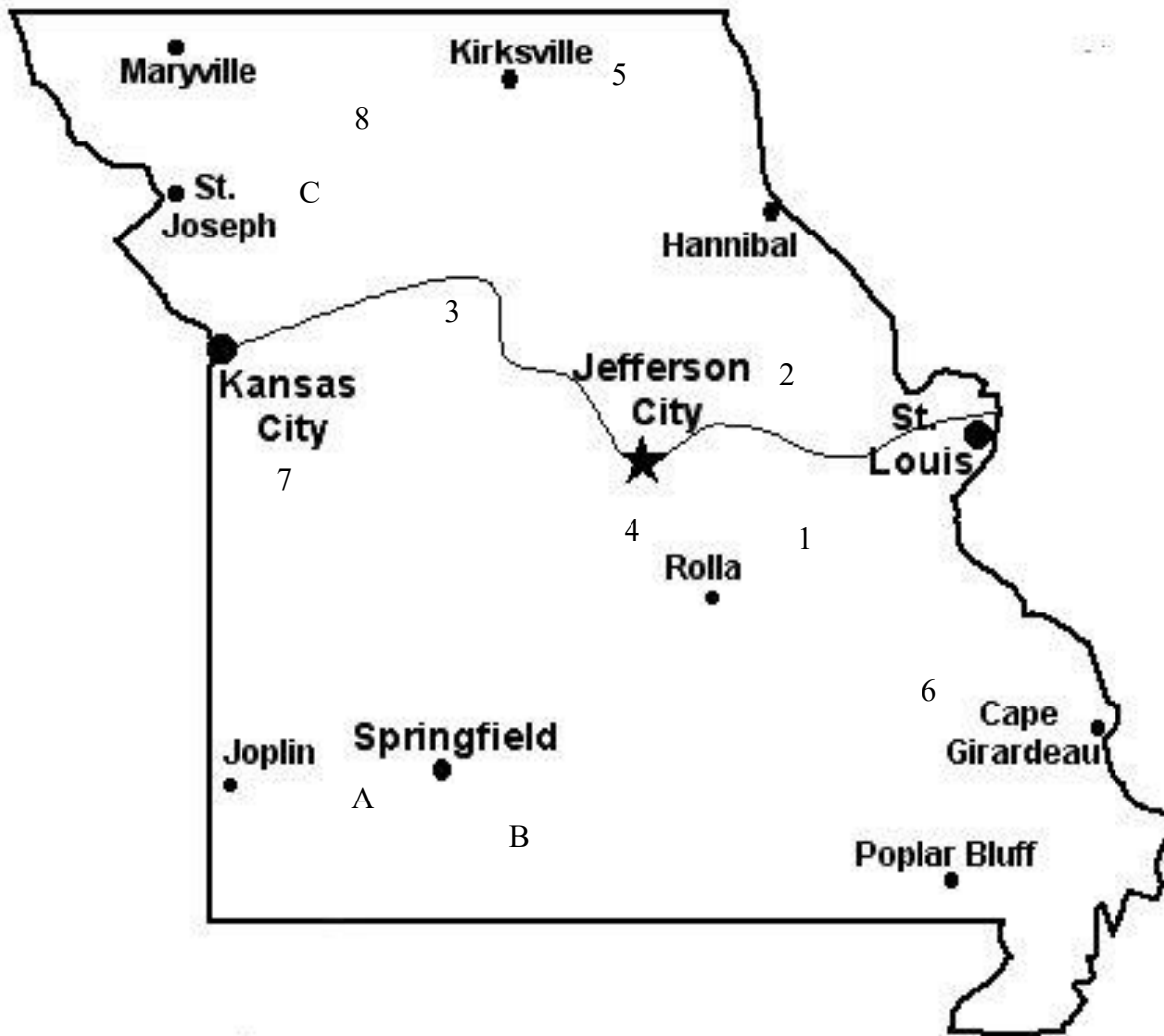
BAM Members \$15.00

Non Members \$20.00

Member's pickup at Bob Alexander's - \$13.00

Coal keepers earn \$3.00 per bag

Bags are approximately 50lbs. each



BAM Coal

1. Bob Alexander (636) 586-5350
14009 Hardin Rd.
DeSoto, MO 63020
2. Ken Jansen (636) 295-5844
2257 Carter Rd.
Moscow Mills, MO 63362
3. Doug Clemons (660) 631-1257
29377 Durango Ave.
Malta Bend, MO 65339
4. Jerry Rehagen (573) 744-5454
390 Bozina Valley Trail
Freeburg, MO 65035
5. Joe Hurley (660) 988-8872
or (660) 626-7824
26306 State Hwy D
Downing, MO 63536
6. Bob Maes (573) 866-3811
Route 1 Box 106 K
Millersville, MO 63766
7. Bryan Lillibridge (660) 638-4536
1545 NW 300
Urich, MO 64788
8. Bill George (660) 247-0426
19133 LIV 355
Chillicothe, MO 64601

Non BAM Coal

- A. Tim Johnson, Springfield, MO 417-886-8032 - \$.40/lb. check, \$.35/lb. cash. Bring your own containers.
- B. Coal for sale \$12 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 \$15 per approximate 50 lb. bag. Missouri School of Blacksmithing
Matthew Burnett 816-575-2798, 3100 NW Winchester Rd Cameron, MO 64649

Coal Specifics

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 pounds bags.

BAM Tailgate

Buy, Sell, Trade

Individual Classified ads:

For Sale: Century old—dated 1901 Champion #400 Blower / hand crank, works well. Blower forge Co. Nancee 573-392-5533

BAM Books from Jan/Feb 1994 - Present & binders for sale. Contact James Conway 563-366-4244

For Sale: 1 steel layout table; 27 inches x 39 inches. No stand. Asking price \$75.00
Plasma Cutter; Esab Corporation, 1- L-Tec plasma cutter, PCM 750 I, 50 amp output, 12 foot leads, 220 volt single phase, 50 amp input, Torch Thermacut PT -23, Asking Price \$750.00

Commercial / Resource ads:

Beverly Shear Blades Sharpened. Remove blades from shear and ship to Clay Spencer, 73 Penniston Pvt. Drive, Somerville, AL 35670 \$41 includes return postage, additional cost for deep notches or blades previously sharpened at angle.

Little Giant-- We can do repairs on any or all components of your Little Giant front assembly. Contact Roger Rice, Midwest Machine, 6414 King Road, Nebraska City, Nebraska 68410. (402) 873-6603

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

Information / Education:

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

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

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

Classes offered, The Ornamental Iron Shop
Contact the instructor to register and customize your class.

John D. Thompson – Metalsmith
3923 Hwy 25; Hodges, SC 29653 864-374-3933

Classes at Pieh Tool Company, Inc. - Camp Verde, AZ

The Bill Pieh Resource for Metalwork.
Call now for more information and to enroll:
(928) 554-0700 or (888) 743-4866.
www.piehtoolco.com.

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 303-859-0770 http://
www.forgewithintention.com
or http://www.davidnorrie.com

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

Blacksmithing E-books on CD

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

Tire Hammer Plans by Clay Spencer

Send Paypal for \$30US to clay@tirehammer.com. Or check/money to 73 Penniston Pvt. Dr., Somerville, AL 35670. I can mail a copy or email PDFS.

Beverly shear blades sharpened. Remove blades, mail in small Flat Rate box, include check/money order for \$50, includes return postage. clay@otelco.net, 256-558-3658.

Power Hammer page

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

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

Products:

Forge-Aprons offers seven different styles of leather blacksmith aprons; the Original bib, the Short bib, the Full-Cut bib which offers greater chest coverage, the Lap apron, two sizes of Kid's aprons, a Budget apron and our brand new, limited edition Flame apron which features flame imprinted buckles and an anvil engulfed in flames on the logo pocket. 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.

Website: www.BlackSmithCoke.com
Mobile: 678-360-3521
email: lbrandforgecoke@gmail.com

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

Kayne and Son Custom Hardware, 100 Daniel Ridge Road, Candler, NC 28715. (828) 667-8868 fax (828) 665-8303, e-mail: kaynehdwe@charter.net, web site: www.blacksmithsdepot.com.

Offering a full line of blacksmithing equipment. We ship and accept Visa and Mastercard.

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

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 FB at **Craf-Tee Creations**

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 with your dues. 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 636-432-4468

BAM
2212 AILESWICK DR.
ST. LOUIS MO 63129

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

For Next Meeting map, see page 23 of this Newsletter.

