

# BAM

March / April 2020



KEEP FORGING ON

March / April 2020  
Volume 37, No 2

# Blacksmith Association of Missouri

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**Membership Application**

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_

Phone: (    ) \_\_\_\_\_

Zip: \_\_\_\_\_

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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: \_\_\_\_\_

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New Member     Renewing Member

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

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

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

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Foreign -----\$65 yr.

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

Contributory-----\$100 yr



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# President Report

By: Steve McCarthy

As you all know by now, the 2020 conference has been canceled. As many of you, I look forward to this weekend every year. Good food, good fellowship, new skills learned. With some friends, this is the one time a year we get to see each other. As much as it sucks, that is how things are at the moment. Hopefully this whole COVID thing will be figured out soon and the world can go back to normal. As of right now, I still plan to host the next meeting on June 13th. Who knows what will happen between now and then? We will continue to provide updates on the web site and email group.

Conference time was also supposed to bring you a new president. I only had one person inquire about the position and no commitment as of yet. I'm not really sure what we will do about all that, but a Marine's 5th general order is "To quit my post only when properly relieved". Maybe we can have an election at a future meeting. Be safe, take care of yourself and loved ones, get out in the shop and try something new.

Until we meet again, Happy Hammering.



## Editor's Notes

By: Heather McCarty

Well, all I can say is that I was looking forward to 2020 being a great year. Looks like we are not getting that great start like we all hoped.

We were looking forward to seeing everyone at this year's conference. That is a time Jon, myself and the girls look forward to every year. It saddens us that we will not be able to see everyone this year. It saddens us even more that our girls are having to spend this time at home and not in school. I am at home as well and not working due to the company I work for shut down during this horrible time.

Did you ever think we would be going through this? Did you ever think this would be a story you would have to tell. Did you ever think you would have to stock up on groceries and TOILET PAPER because we are stuck in the house for weeks on end.

Jon and I would love to see any projects that you have been working on during this isolation time, so please feel free to send a photo, a brief description and/or write up on what you are doing during this time period. We would love to hear from you. Send it to us at [BAMeditor2015@gmail.com](mailto:BAMeditor2015@gmail.com). Or via mail, 815 Miller Street New Haven, MO 63068 and we will put it in the next newsletter.

Please stay safe and healthy out there.  
We love and miss you all  
Heather McCarty & Family



# Sea Horse Bottle Opener

By: Ken Jansen

This is based on the 2 heat horse head that I saw somewhere probably 20 years ago it was from a smith in Australia I believe named Hugh MacDonald but I could be remembering the name wrong.



I start off with 1-1/4 by 1/4, or 1 by 1/4 flat bar.

First step is to form the ears. Heat it to a near welding heat, it has to be really hot because you are forcing the far side of the bar over the radius on the far side of the anvil, I like to have at least a 3/16 radius area to use but it could be a larger radius. Hold the stock flat to the surface of the anvil but on edge with the end of the bar 1/16 inch past the outside edge of the radius area. Using the flat of the hammer hit directly down on the bar with a half faced blow then tip the hammer face slightly towards the anvil and give it another blow or two. Correct the bulge on the side you hammered by laying the bar flat, I usually end up with a bulge that has to be corrected back and forth a few times It should look like the following pic when you are finished.



Next using a thin slitting chisel cut the bar at approximately 45 degrees from the ear side of the bar towards the rounded corner, leaving about 1/2 inch between the end of your cut and the rounded corner.



I then use a butcher chisel to nip the nose to about 1/8" wide flat end.



Heat is back up to a bright yellow heat and clamp it in a vise, you need to spread the neck area open for the next step of forging.



I then heat it again and twist the head until it is 90 degrees to the main bar.



Using the horn of the anvil or some other small round radius (about 1" dia) I use the round face of the hammer, using just the corner of it and forge the snout out. This is the difficult part and I will end up putting the bar in many positions before I get what I want.



While the head is still twisted 90 degrees I forge the chest area until it is rounded off.



Again using the horn in an area about 1" diameter I forge the neck area out, you can make this longer or shorter depending on the sea horse variety you are going for.





The Sea horse style I am going for had a sort of striped body almost as if it were fullered that way. I use a fly press for this at home but the same result can be obtained with a rounded and fuller at about a 3/16 inch radius. I do the back of the head and neck at this time only and also I do the eye with a center punch. Be sure to center punch it close enough to the edge of the bar for the bar to bulge out but not break out.



I also put a dimple with a bob punch below the eye to give it some definition, several of the pics I saw of real sea horses had this so I do it from the front side.

Most of the pics I have seen have a set of fins that come out of the back of the sea horse so I use the round face of the hammer to put a bulge on the back just forging from one side.





Next I forge the grooves across the body of the Sea horse just using the fuller (I do this with the fly press at home) The grooves should not be very deep but enough to give it definition. Then coming in about a half inch from the back of the sea horse I deepen the fuller grooves in steps all the way out to the edge. I forgot to take a picture of the first half of this so you get to see the final step only.

Next I butcher cut and fuller the bar about 1/2 of the way through to establish the tail.



I cut the bar off about 1-1/2 inch beyond the last fuller groove.



You then want to draw that out to a long taper (at least 6") and round it up.

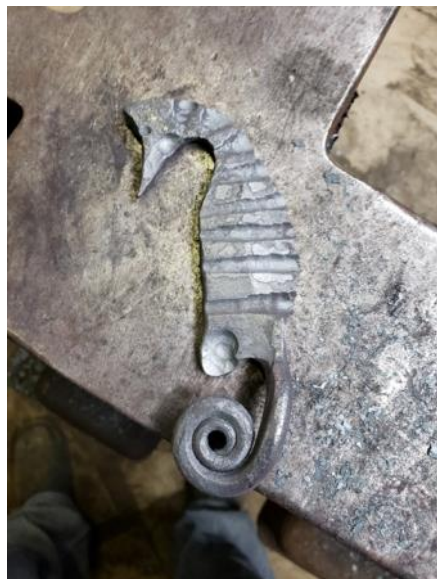




I will use a soft hammer wood or rawhide to curve the neck down towards the body.



Next I pull out the tab that will lift the cap on the bottle and scroll the tail up into a snail tail scroll.



You will need to put an offset in the tail so that the scroll sits on top of the bottle cap and the lifter will be below the lip of the cap. I also align the scroll so it is in-line with the tab at this time.



Clean it up and give it your favorite finish and you are done!

# Six Arm Louisiana Chandelier - John C. Campbell Folk School, July 2019

By: Scott Payne

In July 2019, I was blessed to utilize a BAM scholarship to attend a course at the John C. Campbell Folk School in Brasstown, NC. If you have never applied for a BAM scholarship, please consider doing so. The application process is very clear, and the scholarship committee is there to help you succeed.

Jerry Darnell taught the course, assisted by Bob Alexander. Both of these men are exceptional smiths and genuinely care about their students' success. If you take a course taught by them, prepare to have fun, be challenged, and work hard! You will definitely get your money's worth in education and experience. As far as the Folk School itself, it is an amazing place. It is a peaceful, friendly, learning environment. As an added bonus, cell reception is limited at best. There is something about being isolated from the rest of the world for a few days and focusing on your skill. If you have been there, you understand. If not, you should go!

This year's project (2-day weekend course) was a six-arm Louisiana style chandelier. It was a fun, challenging project that honed nearly every skill I have learned. The outline for the project is listed below. If you have questions about the project, the scholarship process, or the Folk School, please do not hesitate to contact me. You can also find Jerry Darnell's books with shop notes on his website ([www.millcreekforge.com](http://www.millcreekforge.com)), as well as the sale ads in the BAM newsletter. I will try to have an example at an upcoming BAM meeting, as well as a video for the BAM Library. Happy forging and have a blessed day!

Scott Payne 573-625-8135 cell call/text [chapspayne@gmail.com](mailto:chapspayne@gmail.com)

## Six Arm Louisiana Chandelier

### Cut List:

- 1 ½ X 3/16 – 36"
- 6 – 14 ½", 3/8" HRR
- 3 – 5 ½", 3/8" HRR
- 1 – 10", 3/8" HRR
- 3 – 6", ¼" HRR
- 3 – 24", ¼" HRR
- 6 – Candle Cups
- 6 – Candle Pans
- 3/16" X 5/8" steel rivets

**Note: Candles were from Danica Candles**

### I. Band (SEE FIGURE I)

- A. 36" 1 ½" X 36" – this will make an 11-11 ½" diameter band. (a 37-37 ½" piece will make a 12" diameter band)
- B. Scarf both ends (slightly taper the width at the corners to reduce fish tailing as you scarf the ends)
- C. Roll the band in the step of the anvil or in a bending fork. This is done cold.
  - i. You may consider heating the band so the wax will stick and darken later
- D. Forge weld or drill and cold rivet the scarfed ends of the band.
- E. Use a cone mandrel (or the bending fork) to make as perfect a circle as possible.

### II. Arms (SEE FIGURE II)

- A. Forge / fabricate a bending jig (see picture)
- B. If you would like a tracing of the original pattern at the school let me know and I will mail it to you.
- C. 6 pieces – 14 ½", 3/8" HRR (I only drew two of them)
- D. Nose the ends of each piece
- E. Forge the foot by putting ¾" of the stock on the edge of the anvil or power hammer die and use ½ on ½ off blows.



- 
- F. Use tongs to hold foot in jig (working by myself, I used vice-grips), bend hot, hammer lightly and pull with tongs in other hand to conform to jig. Straighten by eye
  - G. Forge foot on each by  $\frac{1}{2}$ " over corner of anvil (see drawing). Hit corner first, then straight down to forge a dime-sized foot

### III. Hooks (SEE FIGURE III)

- A. 3 pieces – 7" each,  $\frac{3}{8}$ " diameter round stock
- B. Repeat foot pad process on each
- C. Point and draw a rat tail on each
- D. Heat and use forge to hook (if desired, fabricate and use jig to conform hook)

### IV. Extenders (SEE FIGURE IV)

- A. 3 pieces – 24",  $\frac{5}{16}$ " diameter round stock
- B. Forge both ends to point, rat tail hook, and closed eye
- C. Stretch to same length, trying for 18" finished length

### V. Treble Hook (SEE FIGURE V)

- A. 1 piece 10",  $\frac{3}{8}$ " Round Stock
- B. 3 pieces 6",  $\frac{1}{4}$ " Round Stock (I only drew two of them)
- C. Forge point on 3 – 6" pieces
- D. Forge weld (for time's sake we MIG welded) the three pointed pieces to one end of the 10" piece (all flat ends together – see drawing).
- E. Round up and forge welded ends to a point
- F. Forge other end of 10" piece to a rat tail point and closed eye
- G. Heat and bend hooks with the three pointed pieces. Make as even as possible and adjust to 120 degree spacing. Make hooks just like band hooks

### VI. Assembly (SEE FIGURE VI AND MAIN DRAWING)

- A. Lay out and mark the band in 60 degree increments on table
  - i. NOTE: The arms are indicated with dashed lines, the hooks with solid lines
- B. Drill all the arm foot holes  $\frac{3}{16}$ " diameter,  $\frac{1}{2}$ "- $\frac{3}{4}$ " apart (see drawing)
- C. Drill band holes the same way, using the following procedure
  - i. Align first arm, mark and centerpunch.
  - ii. Drill, rivet in place with  $\frac{3}{16}$  X  $\frac{5}{8}$  rivet
  - iii. Do ONE rivet at a time, align, drill, rivet, repeat until all arms are attached
- D. Lay assembly on table and bend arms till ALL are the same height from the table and even.  
**Do this before installing the hooks.**
- E. Repeat the process with the band hooks
  - 1. They are upside down, on the INSIDE of the band, between the arms (every other one).

### VII. Cups and Pans (SEE FIGURE VII)

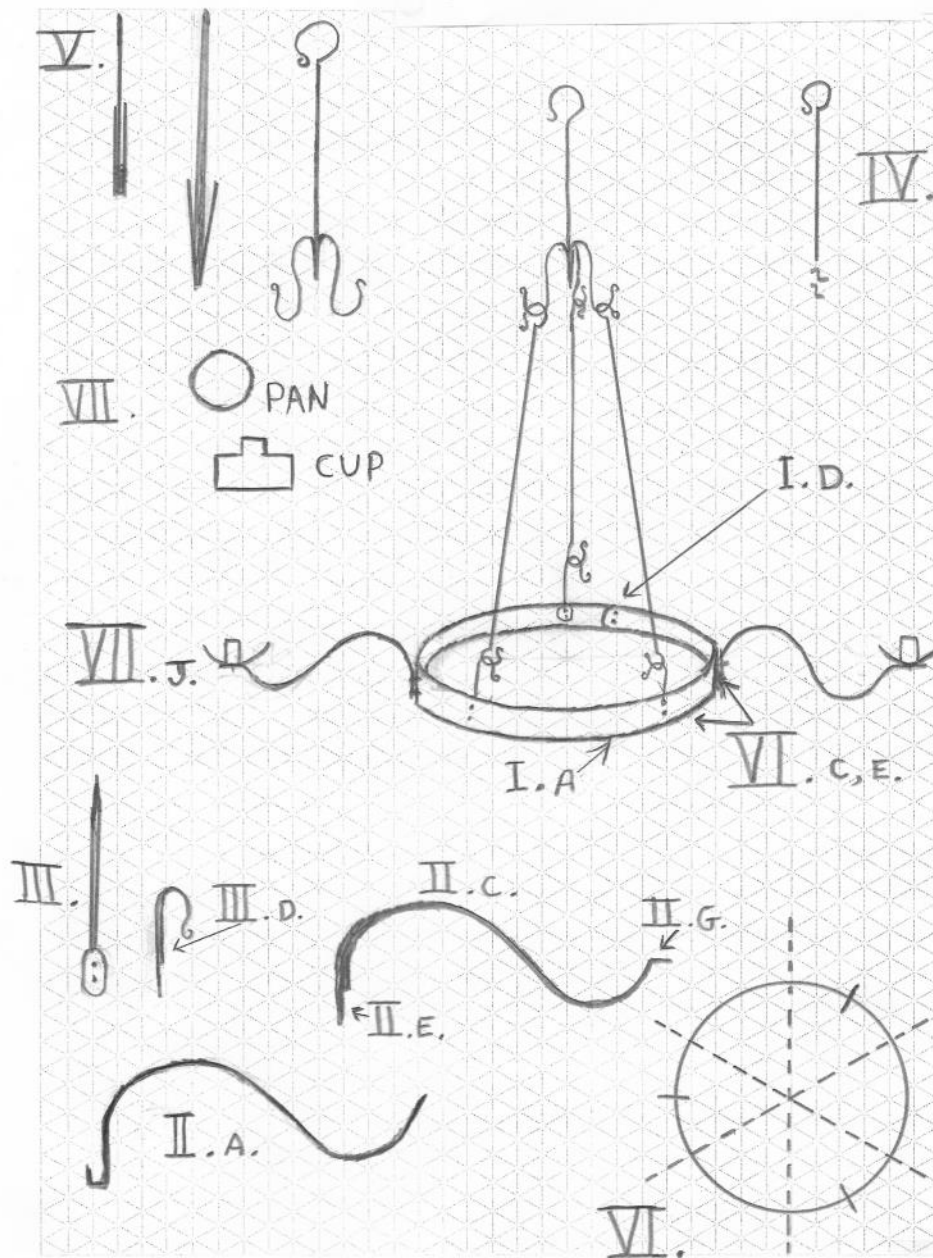
- A. Layout 6 cups and 6 pans on 14 gauge steel
- B. Cut out with Beverly shear, grind smooth
- C. NOTE: we purchased ours from Bob Alexander who had very clean laser-cut pieces, check with him for price/availability
- D. Dish out pans in swage block (we did this hot)
- E. Make a Rivet Set Tool
  - i. 12" of  $\frac{3}{4}$ " round stock
  - ii. Drill a  $\frac{3}{16}$ " hole,  $\frac{1}{8}$ " deep in one end
  - iii. Lightly grind/sand a chamfer on both ends just enough to soften corner edges
- F. Roll six cups in 1" bottom round swage or swage block, fold the bottom of the cup in to close the cup. Use the rivet tool and swage block to hold the cup and square up
- G. Drill all cups and pans  $\frac{3}{16}$ "

- H. Drill cup foot on each arm 3/16"
- I. Rivet to foot with 3/16" X 1/2" or 5/8" rivets (see drawing)
- J. NOTE: Make sure all the cup slits face inward to the band!

**VIII. Final Assembly**

- A. Assemble and adjust extenders/hooks for an even hanging assembly. Heat and stretch extenders if needed
- B. Heat over a smoky fire, apply oil/wax
- C. Wipe excess of with a soft cloth

## Six Arm Louisiana Chandelier Illustration



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# 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

# Blacksmith Shops Come In All Sizes – Mine is Small

By: Santo Giuffrida

Well if you are just starting out or live in town with a small lot, easements and city restrictions, creating your shop can be a challenge. However, if you don't want to have to pull everything out of the garage each time you wish to smith, it can be done. It just takes some planning and creativity. The following is by no means the only or best way. These are just some examples that might get you started on a plan that will work for you.

After going to a couple of hammer-ins and seeing the large shops with individual workstations, I had big plans for mine. Then I was hit with reality of space limitations. I could only have a 5 X 8 shed due to my lot and easements. Therefore I would have to prioritize.

Due to size of forge and fire danger in small building, the forge would sit outside. I cover it when not in use, like you do a BBQ grill (after disconnecting chimney and blower connection). In the shed there is a place for the anvil, post vice and hand crank blower. The doorway serves as the center of the blacksmith's work triangle.

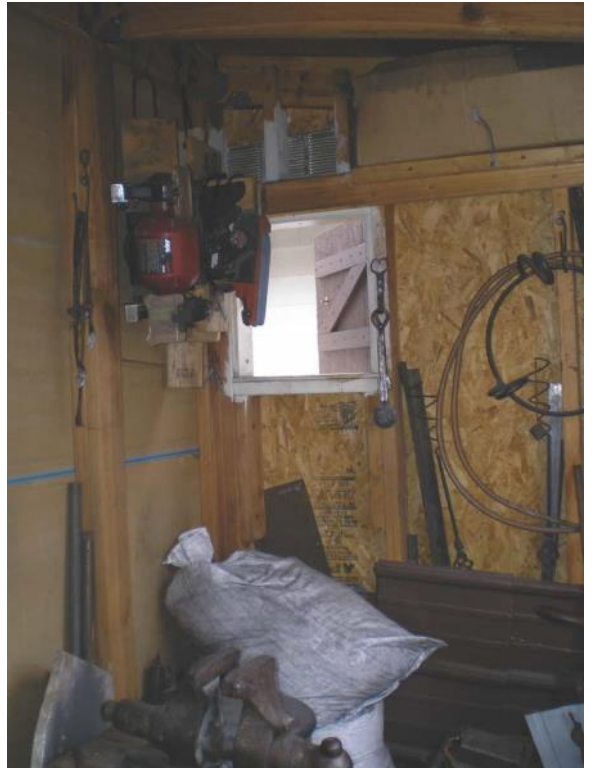
I have a few shelves and lots of hooks for tools, etc. However, I needed more space for tongs, clamps, brushes, etc. I built a little freestanding rack that sits in shed, but can be easily carried outside for more space around the anvil.

You might be wondering about power tools. Well I live close to my neighbors and short on space, so I ruled out power and trip hammers. However, I mounted my grinder/wire wheel on wood with a 2 X 4 underneath in order to set in the post vice when I need to use it. Then I mounted a large loop made from a garage door spring, so I can hang them from the ceiling when not in use. I took a portable band saw and swapped out the small angle iron for a larger one so I could slip in the post vice and use like stationary one. I power with an extension cord fed through one of two window openings (with wood shutters) that provide light and cross breeze for the summer.

There is even a little space at one end of the shed for a few bags of coal and some of those gems that we win in the Iron in Hat raffle. I admit it can get cozy and sometimes I have to go outside to change my mind, but most of the time it is very workable for one person. I have been using it for 5 years and keep improving it. So visit different smiths shops when you get the opportunity, as there are many ways to save on space.







# Copied from HSS metal.com

## Powder Metallurgy Steel, Tungsten Alloy Steel, Powder Metallurgical Material, Alloy Steel Exp. PM STEEL GRADES

PM 23, PM4, PM 30, PM 39, PM52, PM 60

ROUND DIA

Medium Dia: 25 mm to 160 mm

Large Dia: 165mm to 300 mm

FLATS: (W) 10mm – 250mm to (H) 20mm – 100mm x Length (meters)

PM 23 – is a chromium- molybdenum-tungsten alloyed vanadium steel which is a economical high powder grade metallurgical cold work steel, Suitable for blanking & forming of thinner work materials where a abrasive type of wear is encountered

PM4 - is a high Vanadium-chromium- molybdenum-tungsten alloyed steel which is a high powder grade metallurgical cold work steel, Suitable where adhesive wear & chipping are the dominant problems occur such as SS, Mild steel, copper, aluminum or thicker work material

PM 30 - is a very high performance Powder metallurgical material having a optimal high cobalt - vanadium-chromium- molybdenum-tungsten alloyed steel, Suitable for machining of nickel-base and titanium alloys, for heavy and interrupted cuts, such as gear hobs, shapers, milling cutters, twist drills, taps and broaching tools

PM 60 – is the highest performance PM material among all the categories. With high cobalt - vanadium-chromium- molybdenum-tungsten alloyed steel. It is machinable & is available in few sizes only. Suitable for fast, high wear & chipping machinability, works with high graded steel aluminum, carbon contained alloys etc. Turning and milling tools for roughing and finishing work, wood working tools, highly stressed cold work tools, tool bits.

### INTRODUCTION OF PM STEEL

With new technologies & innovations coming our way, high-categorized High speed steel with Powder used technology has been introduced as Powder Metallurgy (P.M.).

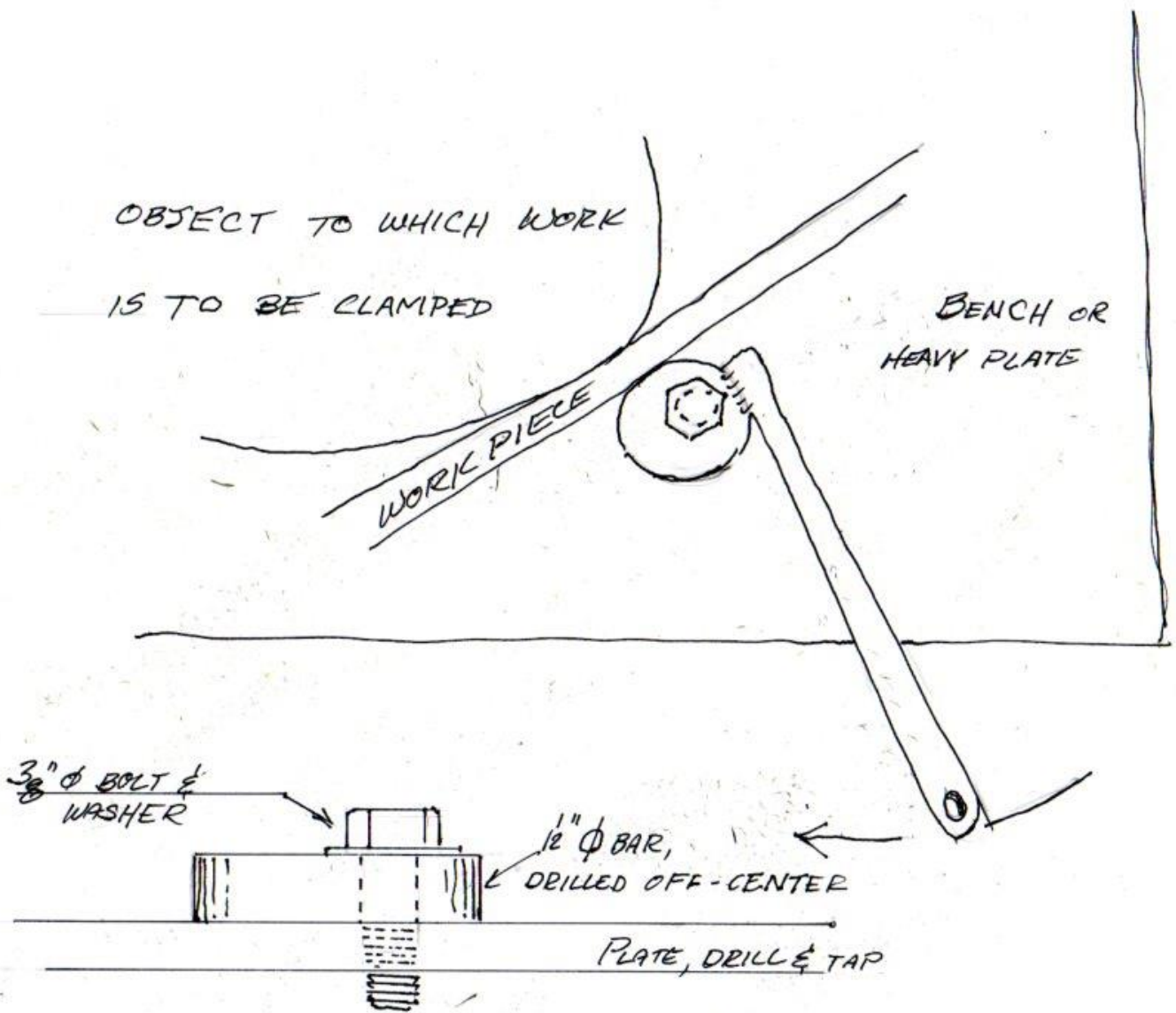
With high demands from around the world, Powder made steel has started replacing earlier made HSS. It has become a wide popular choice for various diverse applications for tooling in mechanical as well as CNC. It is perfect for an ample variety of users that grind, not except operations with alloys of the high temperature and exotics.

With life of the tools as almost equal to twice, PM steel has given the best performance in comparison to even carbide, leave the earlier used HSS. Due to high chemical composition of Cobalt, Vanadium, Tungsten, Nickel the steel grains stick to its properties stronger with offering us the best steel to be used for high performance tools. High speed steel produced by the powder metallurgy method for heavy duty machining tools e.g. for machining of nonferrous metals alloys, such as Ti-base & Ai-alloys. Tools exposed to high compressive stresses, e.g. in fine blanking tools for high-strength materials.

# Bending Tool

By: Walt Hull

Just to help you fill a page, here's a device I've found useful when bending pieces to a form when there's a lot of them to do. I've made several for different jobs, and they don't take long to put together. The only tricky part is positioning the cam the right distance from the form so that it bottoms out just in time to hold the work-piece securely..



### This is a forged and chased leaf decoration on a bar.

It was demonstrated at the ABANA conference, by Tom Latane.

Thanks to Earl Barney for the article.

Reprinted from Prairie Blacksmith's Association

This works easiest with wrought iron or pure iron, although it can be done with mild steel.

1. Start with 3/4" or 1" square stock. (Fig. 1)

2. Fuller a depression over the horn of the anvil and bring the sides back straight, leaving space at the end of the bar. (Fig. 2)

3. Butcher down across the bar and blend in. (Fig. 3)

4. Set down bar at least as far as depression, make sure step is not sharp. (Fig. 4)

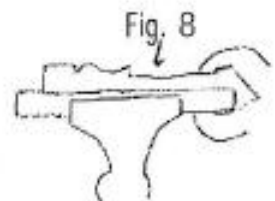
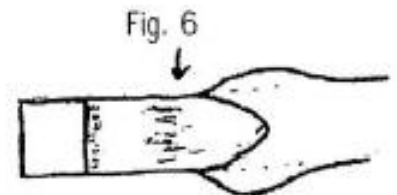
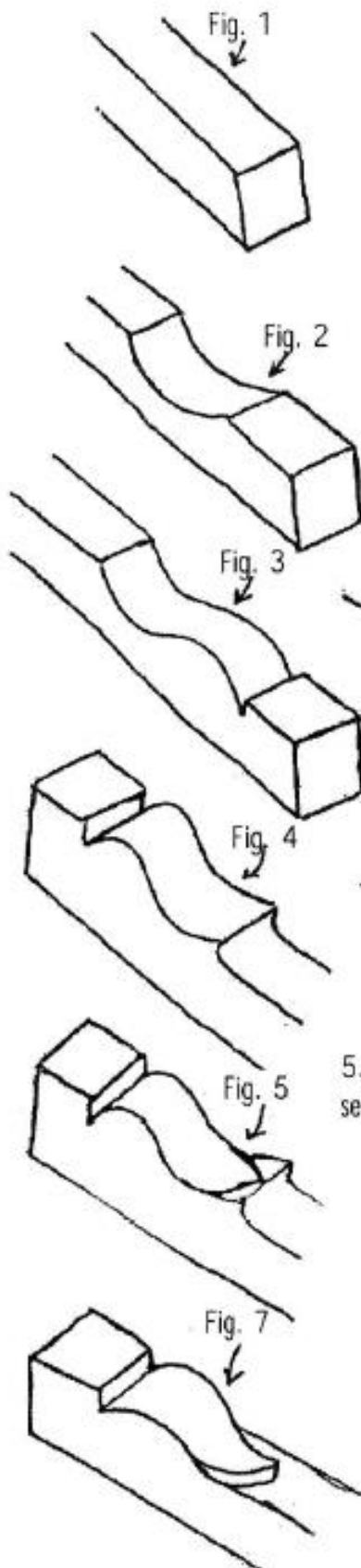
5. Butcher cut to point leaf and set down background. (Fig. 5)

6. Chisel, forge or rasp of bulges. (Fig. 6 & 7)

The rest of this is chased cold.

Use a heavy bar in a vise for an anvil and clamp work with videgrip. (Fig. 8)

7. Use old files to remove scale so it won't be driven into work.



Continued pg 11



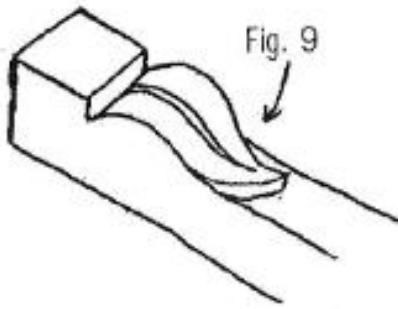


Fig. 9



Fig. 10

8. Butcher in center vein. Don't Worry about getting vein as narrow as finished vein, it will be narrowed later. Don't run vein all the way to the tip. (Fig. 9, 10, 11)

Use various shaped butchers to follow contours. (fig. 12)



Fig. 11



Fig. 12

9. Planish to blend in leaf. (Fig. 13)

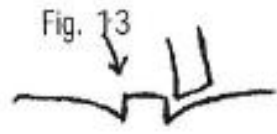


Fig. 13

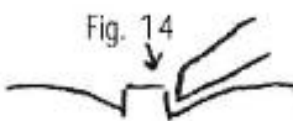


Fig. 14

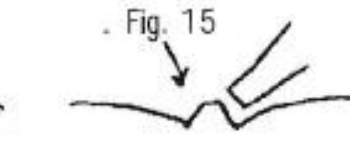


Fig. 15

10. Push vein in and up from the sides with butchers and planishers, straightening and narrowing it. (Fig. 14, 15)

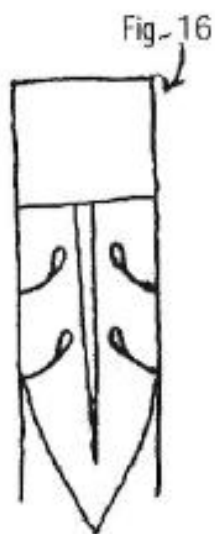


Fig. 16

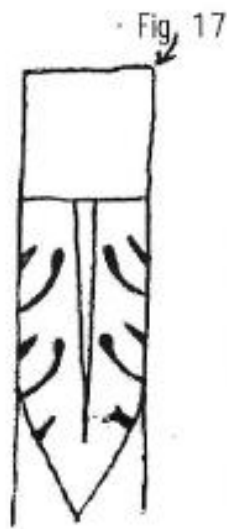


Fig. 17

11. Use tiny teardrop punch and curved chisels to separate lobes of leaf. (Go deeper than you would think). (Fig. 16)

12. Cut in from sides at an angle between separations. (Fig. 17)

13. Undercut leaf tip with thin, side registered chisel. (Fig. 18)

14. Curl up tip with butcher and finish tip with hammer. (fig. 19, 20)

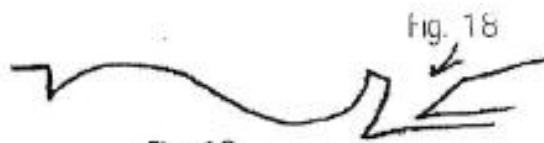


Fig. 18

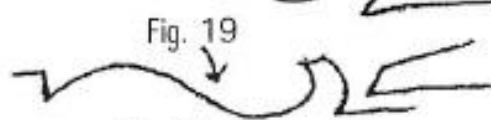


Fig. 19

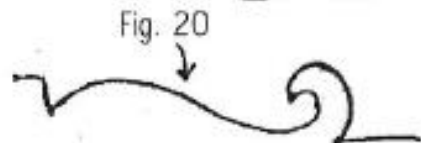


Fig. 20

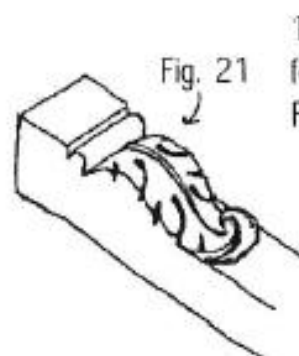


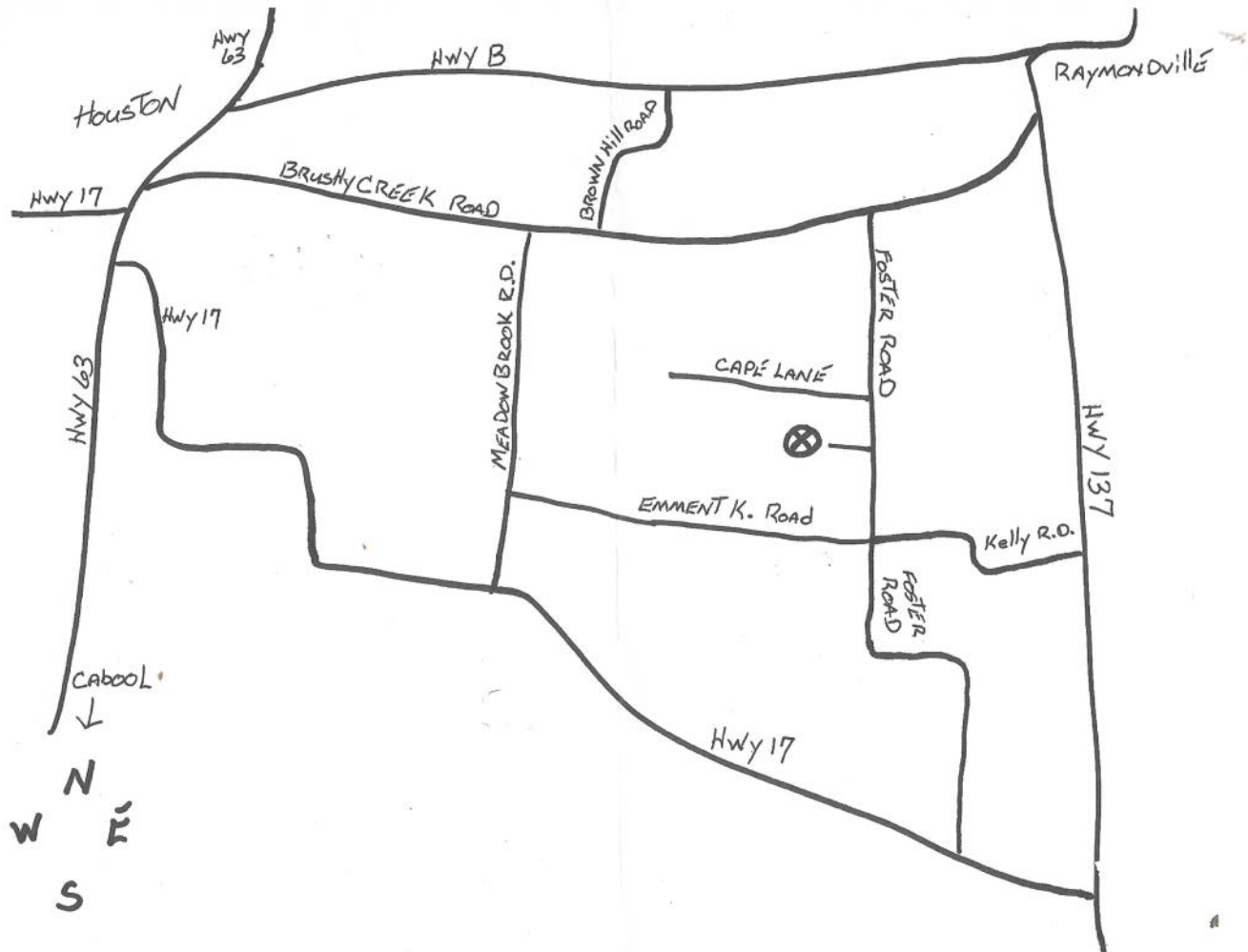
Fig. 21

15. Butcher across bar above leaf to form molding and decorate if desired (Fig. 21)

This effect could be reversed on the bar or the techniques could be modified to suit your project.

# Next Meeting: June 13, 2020

Hosted By: Steve McCarthy 6691 Foster Rd, Houston, MO 65483



Food will be available

**Trade item:** an ax, hatchet, any chopping tool



August 8, 2020 - Meeting Willy Bagley

Sept 17-20, 2020 - Quadstate Blacksmithing Conference - Troy, OH

Oct 17-18, 2020 - Salt Fork Blacksmithing Conference - Sulphur OK

Oct 24, 2020 - Phil Cox tool auction (date may change) - Hamilton, 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](mailto:BAMeditor2015@gmail.com).

# Coal Stations

**Price per bag:**

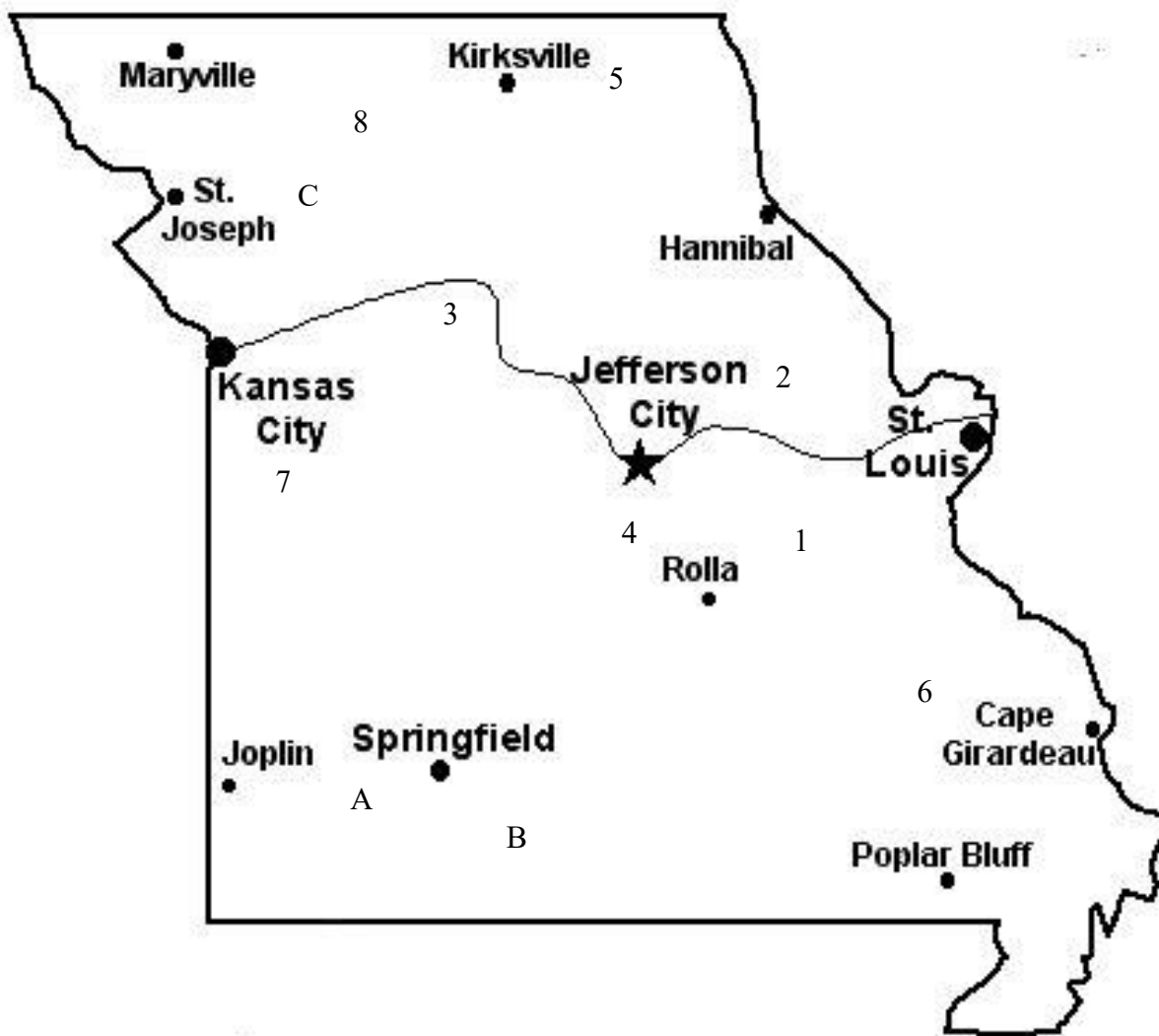
BAM Members \$15.00

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



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## 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](mailto: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](http://craftstl.com)

For more information call 314-842-0796 or email; [Brendan@muellerstl.com](mailto: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](http://www.piehtoolco.com).

**Matthias Penn** is offering introductory & beginning blacksmith classes. 417-543-2148

[Tytheblacksmith@yahoo.com](mailto: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](http://www.oldschoolcrafts.org) E-Mail [oldschoolcrafts@hotmail.com](mailto: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](http://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**

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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](http://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](mailto: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](mailto: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](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](http://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](http://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](http://www.BlackSmithCoke.com)  
Mobile: 678-360-3521  
email: [lbrandforgecoke@gmail.com](mailto:lbrandforgecoke@gmail.com)

**Chile Forge-** Next generation gas forges  
[www.chileforge.com](http://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](mailto:kaynehdwe@charter.net), web site: [www.blacksmithsdepot.com](http://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](http://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, screenprint, or sublimated products. Contact us at [hmcrafty@gmail.com](mailto: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](mailto: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](http://bamsite.org) or send an E-Mail to Terry Humphries at [thumphr@south40.org](mailto: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](mailto: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](mailto:bjherzog@charter.net)

For Next Meeting map, see page 22 of this Newsletter.