

July 2013

BOARD OF DIRECTORS

Gary Phillips '14

President:
14800 N SR 167 N
Albany, IN 47320
(765) 789-8316
behere@netdirect.net

Steve King '14

Bill Conyers '15

Vice President:
50964 Lilac Rd,
South Bend, IN
(574) 277-8729
billconyerssr@yahoo.com

Ken Dettmer '15

15721 S 250W
Columbus, IN 47201
(812) 342-4084

Dominick Andrisani '16

3608 Capilano Drive
West Lafayette, IN 47906-8869
PH # (765) 463-4975
andrisan@purdue.edu

Ted Stout '16

8525 W 700 S
West Point, IN 47992-9258
PH# (765) 572-2467
stout8525@tds.net

James Johnston '17

Education Chairman:
806 Twyckingham Lane
Kokomo, IN 46901-1885
(765) 452-8165
kokomoblacksmith@comcast.net

Keith Hicks '17

Secretary:
5184 State Road 252
Brookville, IN 47012
(765) 914-6584

Librarian:

Larry Rosentrader
8715 E. 375 N
Churubusco, IN 46723-9501
260-693-3267
rosentrad@cs.com

Editor:

Bill Kendrick
1280 N 900 W
Seymour, IN 47274
(812) 445-3009
bill.d.kendrick@cummins.com

Treasurer and membership secretary:

Farrel Wells
8235 E 499 S
Dunkirk, IN 47336-8807
PH # (765) 768-6235
flwells@frontier.com

THE FORGE FIRE

The Newsletter of the Indiana Blacksmithing Association, Inc.

An Affiliate Of The Artists-Blacksmiths' Association of North America, Inc.

IBA is a Not For Profit Indiana Corporation recognized by the IRS under section 501(c)(3)

10:00 AM is the regular meeting time for IBA Hammer-Ins
with beginner training available at 9:00 AM.
PLEASE MAKE SURE TO ASK FOR HELP!

**If you would like an IBA membership application form,
please contact Farrel Wells, Membership Secretary
(765) 768-6235.**

BULK LOTS ARE AVAILABLE TO DEMONSTRATORS,
SHOPS, SHOWS AND OTHERS WILLING TO MAKE THEM AVAILABLE.
WE APPRECIATE YOUR HELP.

The Indiana Blacksmithing Association, Inc., its staff, officers, directors, members, and hosts and the *Forge Fire*, specifically disclaim any responsibility or liability for damages or injuries as a result of any construction, design, use, manufacture or other activity undertaken as a result of the use, or application of, information contained in any articles in the *Forge Fire*. The Indiana Blacksmithing Association, Inc. And the *Forge Fire* assumes no responsibility or liability for the accuracy, fitness, proper design, safety, or safe use of any information contained in the *Forge Fire*.

The Forge Fire is the newsletter of the Indiana Blacksmithing Association Inc. (IBA) IBA is an affiliate of the Artist-Blacksmiths Association of North America Inc. Permission is granted to other similar non-profit organizations to reproduce uncopyrighted articles originally appearing in *The Forge Fire* provided credit is given the original source.

More nearby resources and organizations for blacksmiths:

Rural Smiths of Mid-America:
Meetings are on the first Saturday of each month
Call Moe Handy
(317) 862-5647 for details.

IBA MEETING SCHEDULE

Check the latest *Forge Fire* for monthly IBA revisions.

July Hammer In has been canceled.

A complete hammer in schedule is expected in the next *Forge Fire* edition.

The IBA is the host for this years Upper Midwest Regional Blacksmith Conference at Pontiac, IL.
Conference dates are July 19-21.
Bill Conyers is the conference chair.



INDEX

PGS 3-5
SATELLITE
NEWS

PG 6
MEMBERSHIP
FORM

PGS 7-9
BOB PATRICK
DOOR
KNOCKER

PG10
LITTLE GIANT
CHANGES
OWNERSHIP

PG 11
JUNKYARD
STEEL

Dates to Remember

July 19-21
UMRBC (Pontiac)

August 2-18
Indiana State Fair

Sept 27-29
Quad State
(SOFA)

Editors Message

I want to start out with a big apology to Alvin Cave. Alvin is a long time IBA member and is often recognized as the auctioneer at our annual IBA Conference. Last month I had a moment of brain fade and mis-identified Alvin as he presented the Paul Moffett award to John Zile. My apologies again Alvin Cave.

At latest report, John Zile continues his recovery with good progress. Please keep John in your thoughts and prayers.

Our membership chairman, Farrel Wells, has asked me to remind everyone to **check the expiration date on the mailing labels**. If your membership is expired please renew immediately. Expired memberships will not receive Forge Fire editions after July. For your convenience a membership form is included on page 6.

The **Upper Midwest Regional Blacksmith Conference** will be held July 19 through 21 in Pontiac, IL. The IBA is the official organizer of this years event.

Feature demonstrators are:

- Jeff Farmer demonstrating techniques
- Michael Bendele demonstrating on a 100 lb air hammer
- Pat Nowack forging exotic materials

The project theme is flowers, flower arrangements or anything with a flower.

I encourage you to attend. This is always a good experience with talented demonstrators and some tremendous works of art.

On Saturday July 20, a group from the Southern Indiana Meteorite Mashers will be demonstrating at UMRBC. The group had been scheduled to host the July IBA hammer in. Since they cannot be in two places at one time, the July IBA hammer in has been canceled. I am hoping to get a final listing of hammer in dates and locations for the remainder of the year.

Visit the IBA website at: www.indianablacksmithing.org

IBA Satellite Groups and News

Sutton-Terock Memorial Blacksmith Shop

Meet: 2nd Saturday at 9 AM
 Contacts: Fred Oden (574) 223-3508
 Dennis Todd (574) 542-4886

Wabash Valley Blacksmith Shop

Meet: 2nd Saturday at 9 AM
 Contacts: Doug Moreland (217) 284-3457
 Max Hoopengartner (812) 249-8303

Maumee Valley Blacksmiths

Meet: 2nd and 4th Saturday
 Contact: Clint Casey (260) 627-6270
 John Schamber (260) 579-7303

Rocky Forge Blacksmith Guild

Meet: 2nd Saturday at 9 AM
 Contacts: Ted Stout (765) 572-2467

Whitewater Valley Blacksmiths

Meet: 2nd Saturday
 Contact: Keith Hicks (765) 914-6584

Bunkum Valley Metalsmiths

Meet: 1st Saturday
 Contacts: Doug Neukam (812) 259-4430
 Steve Stoll (812) 486-9668
 Kathy Malone (812) 725-3310

Jennings County Historical Society Blacksmith Shop

Meet: 2nd Saturday at 9 AM
 Contact: Ray Sease (812) 522-7722

Fall Creek Blacksmith Shop

Meet: 4th Saturday at 9 AM
 Contacts: John Zile: (765) 533-4153
 Larry Singer (765) 643-5953
 Farrel Wells (765) 768-6235

St. Joe Valley Forgers

Meet: 4th Saturday at 9 AM
 Contacts: Bill Conyers (574) 277-8729
 John Latowski (574) 344-1730

The Southern Indiana Meteorite Mashers

Contacts: Billy Merritt (812) 338-2876
 Steve King (812) 797-0059
 Jeff Reinhardt 812-949-7163

One Armed Blacksmith's Shop

Meet: 1st Saturday
 Contact: Tim Metz (812) 447-2606

"Doc" Ramseyer Blacksmith Shop

Location: 6032W 550N, Sharpsville, IN 46060
 Meet: 3rd Sunday at 2 PM
 Contacts: Mike Kelley
 Charles Gruell (765) 513-5390

Jennings County Historical Society Blacksmith Shop

The Vernon Historical Society Blacksmith Shop was opened by Ray Sease at 7:10am and shortly got a roaring fire going. Aaron Amos spent some time working on some of the basics before he made a "S" hook. He then practiced splitting flat stock with a chisel. Moe Handy worked on the opposite side and made a ring on the end of a rod. Kenny Dettmer and Bill Kendrick finished forming hangers and mounted our newest leg vice on a beam. The ground under it had to be excavated and concrete poured to give it a solid base. K.C. worked on a traditional cross, split with a chisel, not sawed. Aaron made a knife from a railroad spike. K.C. then decided he wanted a railroad spike knife too, so he gave it a go. Aaron then decided he wanted another go at it, so he made his second knife. About 18 people attended and added to the fellowship. We once again want to thank Harry Husby for his beautiful work on the firescreen and all others who spent time, effort and money to make this project happen. We should be thinking about if and when you wish to help at Pioneer Village at the State Fair. We need to know who needs tickets and where you will fit in the schedule. Drink plenty of "fluids" and don't beat on cold steel. Paul Bray

Notice

Check the expiration date on your mailing label. Anyone whose membership has expired will not get Forge Fire after July

IBA Satellite Groups and News (continued)

Bunkum Valley Metalsmiths

The Bunkum Valley Metalsmiths met on June 1, 2013. This meeting found us a little shy in attendance because the Tipton meeting was this weekend also. But all in all we had a pretty good turn-out of around 20 people. We even had some new folks. Jim's brother Mark came and introduce us to his friend and co worker Amy and her children Wade and Carter. Wade even jumped in and helped crank the blowers for some of the guys that were instructing him on blacksmithing. Some of the teenagers were making their usual "weapons" of throwing knives and machetes and the like. Lonnie and Chuck were busy as



usual but I didn't ask them the particulars. Cj brought a anvil and a few of the guys went out to inspect it. Alan brought a beautiful rose he made to raffle off and Jerry brought 2 railroad spike wizards, a copper soldering iron wizard and a Damascus cross also for the raffle. We decided to hold these items until next time when more folks will be here. Pat made some knife sheaths to sell for the club, thanks Pat! Jim,

Doug, Alan and Dutch held a meeting out back to contemplate the building they are getting ready to put over the helve hammer. I have included a picture of Amy and her daughter Carter I thought we needed to beautify the pictures; they are a lot better looking than all those other mugs! J It was another great day of good food, good friends, fun and work. Remember...if you have too many irons in the fire, don't lose your temper.



IBA Satellite Groups and News (continued)

Whitewater Valley Blacksmiths

Once again our intrepid Smiths gathered for a day of hot metal, good food and great company. The meeting started, roughly, at 4:00 with Jimmy Dean and Bobby trying to duplicate a texturing tool that was demonstrated at the IBA Conference. With a little help from just about everybody, they were able to create a very workable tool. Jimmy Dean also had the presence of mind to remind everyone that metal does not have to be red to be very hot.

Marty showed off the finished plant hangers that he began at last month's meeting.

Two of our newer members also took a turn at two of the three forges we had going. A former railroad spike has a bright future as a tomahawk and we made a square bar round and then, just for fun, we gave it a decorative twist.

Iron-in-the-hat contributed to our general fund and everyone seemed to be pleased with their winnings.



The new Antler Texturing tool.



Marty's completed plant hooks.

Jimmy and Bobby using the new texture tool.



Indiana Blacksmithing Association, Inc.
An Affiliate of the Artist-Blacksmiths' Association of North America, Inc.

Application for Membership

Membership in the Indiana Blacksmithing Association is open to all persons. We welcome you.
 Membership dues are paid at the time of application and are renewed on June 1st of the following year.
Make Checks payable to: Indiana Blacksmithing Association, Inc.

☐ New ☐ \$35.00 All Family Membership (All family members living in your household)
 Please include name(s).

☐ Renewal ☐ AREA CODE CHANGE ☐ Address Change.

NAME: _____

ADDRESS: _____

CITY, STATE, & ZIP+4: _____

PHONE (HOME): _____ PHONE (WORK): _____

E-MAIL ADDRESS: _____

Newsletter via E-mail:

☐ Check Here if you would like your newsletter sent to you via E-mail. You will be sent an email with a link to the web site where you can download a PDF file containing the newsletter. PDF files can be read with the Adobe Acrobat Reader which is free download off the internet. Contact me if you need assistance. Please be sure your E-mail address above is legible.

Public Membership List:

☐ Check here to NOT have your Name, Address, Home Phone Number, and E-mail Address in our Public Membership List which is only available to our members. Your information will be included unless checked.)

- ☐ Check here if you would consider hosting a meeting.
☐ Check here if your meeting place is heated.
☐ Check here if you are available to do demonstrations at IBA Meetings.
☐ Check here if you are available to do demonstrations for the Public.

Please read and complete the following release form. Form must be signed and dated by each member.

In consideration of the Indiana Blacksmithing Association, Inc.'s making these demonstrations available and granting permission to enter the area of said demonstration, I hereby waive all claims for damage and/or loss to my person or property which may be caused by an act, or failure to act of the Indiana Blacksmithing Association, Inc., it's officers, directors, agents, or employees and the hosts and demonstrators. I understand that there are inherent dangers in blacksmithing and I assume the risk of all dangerous conditions in and about such demonstration and waive any and all specific notice of the existence of such conditions. By signing this waiver, I acknowledge that I have read and understand this waiver.

Signature _____ Date _____ Witness (if not mailed) _____

Signature _____ Date _____ Witness (if not mailed) _____

SEND COMPLETED FORM TO:

FARREL L. WELLS 8235 E 499 S DUNKIRK, IN 47336-8807
Home: 765-768-6235 Home Office/Fax: 765-768-6247

RECEIVED

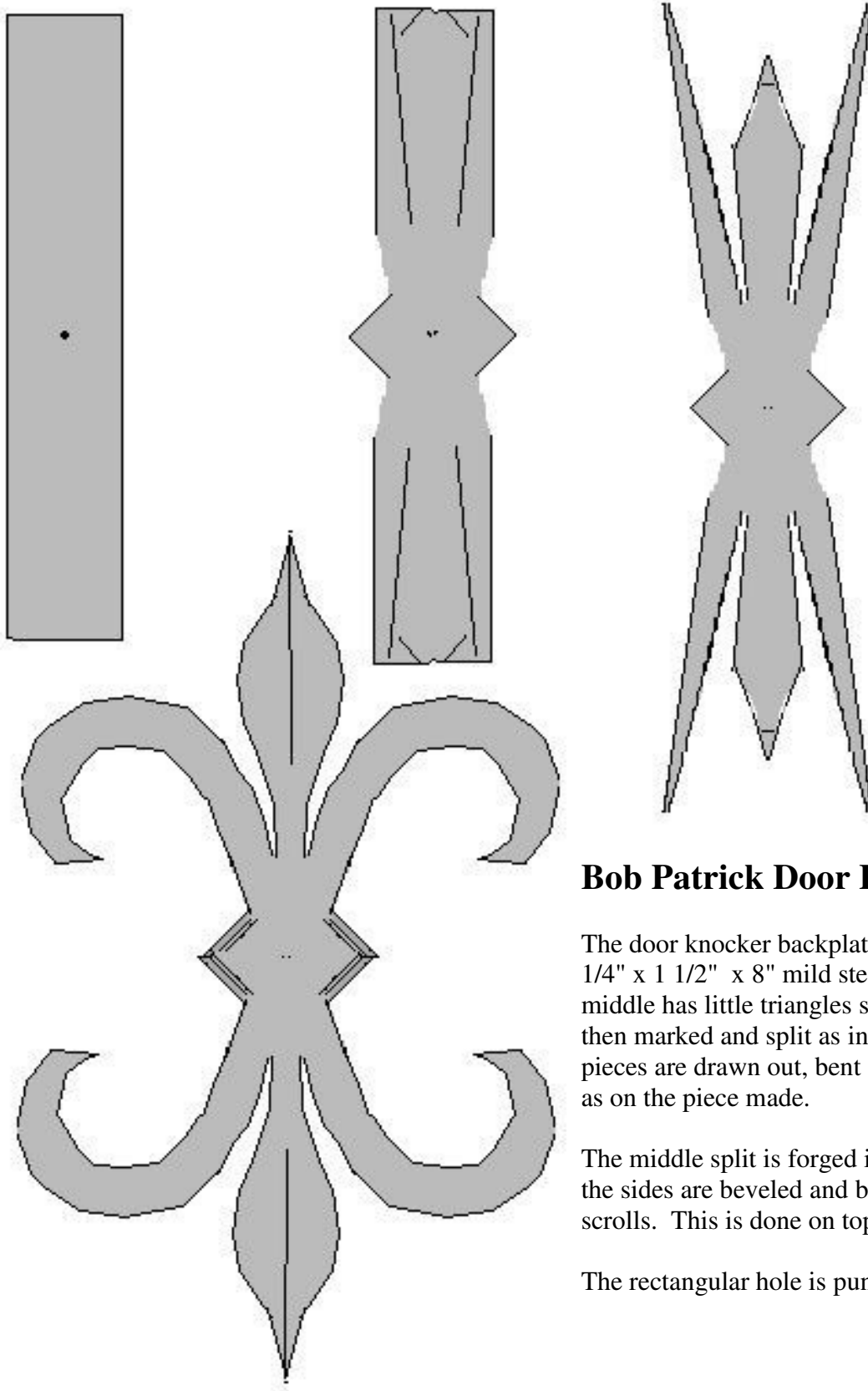
CHECK#

AMOUNT

CLASS

DATABASE

CARD SENT



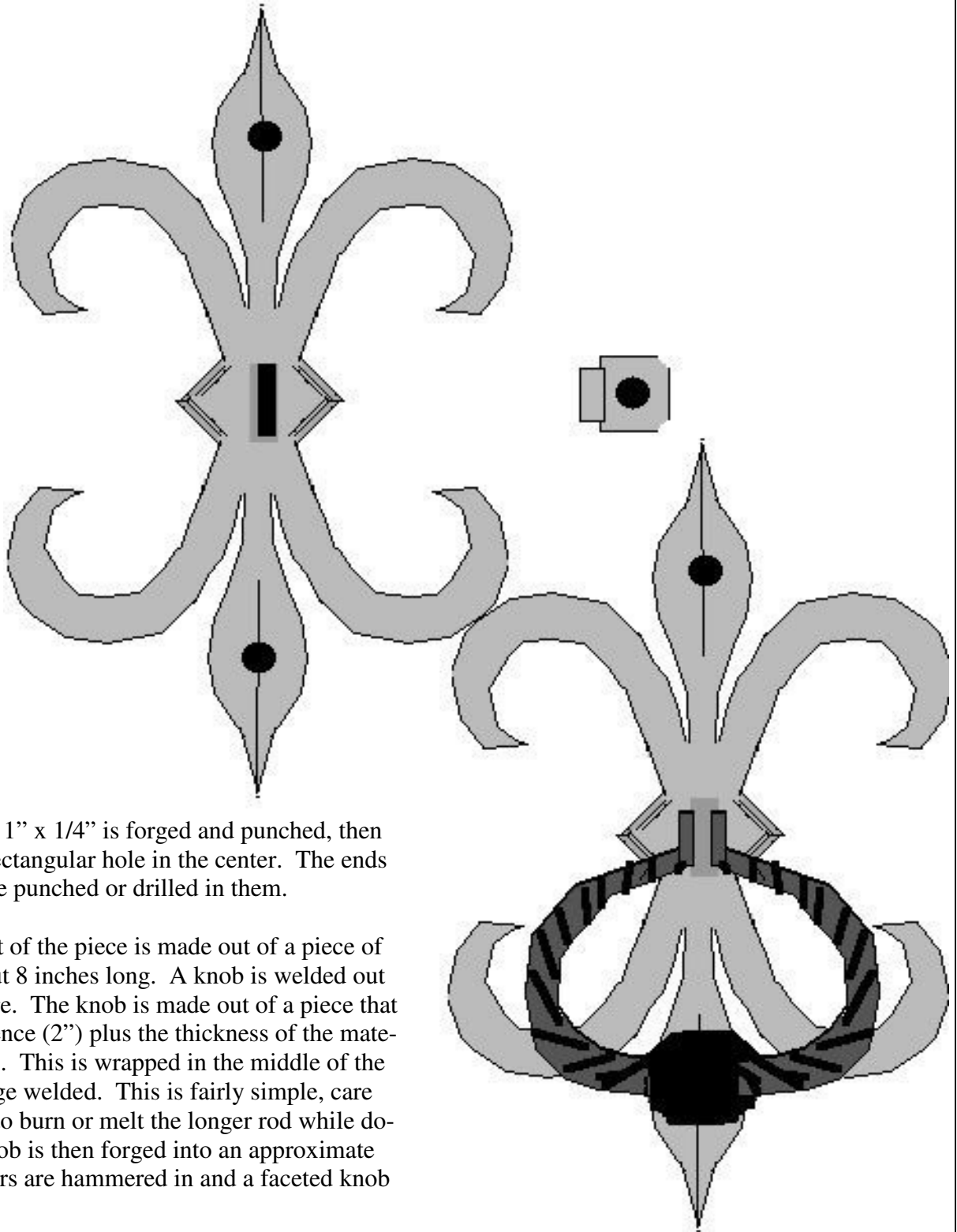
Bob Patrick Door Knocker

The door knocker backplate starts out as a piece of 1/4" x 1 1/2" x 8" mild steel. It is forged so that the middle has little triangles sticking out on each side, then marked and split as in the drawing. The split pieces are drawn out, bent and forged as shown and as on the piece made.

The middle split is forged into a leaf shaped piece, the sides are beveled and bent the hard way into scrolls. This is done on top and bottom.

The rectangular hole is punched in the middle.

copyright 2013 Robert C Patrick
reproduction in non profit newsletters permitted if credit
is given



A small piece of 1" x 1/4" is forged and punched, then bradded in the rectangular hole in the center. The ends have a small hole punched or drilled in them.

The knocker part of the piece is made out of a piece of 1/2" square about 8 inches long. A knob is welded out of the 1/2" square. The knob is made out of a piece that is the circumference (2") plus the thickness of the material (total 2 1/2"). This is wrapped in the middle of the 8" piece and forge welded. This is fairly simple, care being taken not to burn or melt the longer rod while doing this. The knob is then forged into an approximate cube. The corners are hammered in and a faceted knob results.

This is an ancient design, often seen in old work.



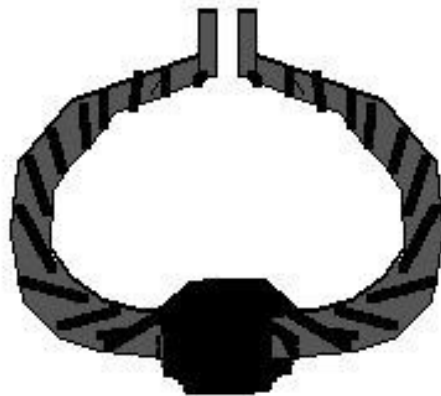
Next each end of the piece is forged into a taper, leaving a lump on the ends. The lump is forged into a rough circle shape and a small hole, matching the piece riveted in the back plate, is punched.



The side pieces are drawn into tapers and twisted in opposite directions, if desired the twist is embellished before the twisting is done.



Next the drawn out pieces have the ends bent at right angles and these are cooled while the rest of the tapered and twisted pieces are bent in the correct shape for the knocker. This being adjusted with a wooden mallet or just a hammer, depending on the desired finish on the piece. The knob and back plate are joined by riveting, any needed adjustments are made, the piece is wire brushed and a finish is put on it.



Two of these, not so nicely done, were my first private commissions and they were done with a very primitive forge on a 10 lb anvil with me kneeling. They were ordered by a news photographer who had done an article on me in 1967. He had a picture of a beautiful knocker from Stan Hewett Hall outside of Akron, Ohio, which was the estate of the Siberling Rubber magnate. Years later I found out the piece I so poorly copied was made by Samuel Yellins business. It was simple, but exquisitely finished.. As I shaped this piece, it also shaped me! and it made me a much better smith in my first professional year of smithing. I had few skills and a lot of energy. Looking back on pictures of it I see crudeness. But I satisfied my customer who used them as decorations on a stereo record player he had made a cabinet for.

Little Giant Changing Ownership

Little Giant is changing ownership, effective immediately. In order to perpetuate the line of replacement parts, repair services and information, Little Giant will now be in the extremely capable hands of our machinist, Roger Rice. He will be assisted by our friend David Sloan, who has a great understanding of the mechanical operation of Little Giants. We will be assisting Roger and Dave during the initial transition, and Sid will continue teaching the annual Little Giant rebuilding class. The same telephone number (402-873-6603) and email address (lgiant@windstream.net) will move to the new location at Midwest Machine, 6414 King Road, Nebraska City, Nebraska 68410.

It has been a great 22 years, and we are profoundly grateful to have been a part of the blacksmithing community. We have often said we have the best customers in the world, and we do mean it. It has been an honor to not only help keep these venerable machines in operation, but to have made so many good friends in the process.

With sincere appreciation,

Sid Suedmeier and Keri Hincker

Added Note:

It has come to our attention that people are concerned about Sid's health---he is fine! The only thing that prompted the decision to sell Little Giant was the desire to change priorities without affecting service, and to ensure the perpetuation of the Little Giant business.

Keri

IBA Conference Video on YouTube

Dave Hammer has made a nice little video of the demonstration showing the BFH guys forging out a 3" cross.

<http://www.youtube.com/watch?v=VBQIT1z4pbA>

UMRBC (Pontiac) Registration Form

The UMRBC registration form can be found at the following web site:

http://www.umbrc.org/Pontiac_files/UMBC%20Registration%20Form.pdf

Advanced Cost for IBA members:	\$12 / one day	\$35 / week end
Cost at Door for IBA members:	\$15 / one day	\$40 / week end
Saturday evening meal:	\$8	

Junk Yard Steels

Somewhere along the line, someone gave me the list below showing common junkyard items and the typical base steel they were made from. Take the list with a grain of salt as changes in manufacturing processes may allow different materials to be used for the same purpose. For example new files often use a different steel with more exotic heat treating/surface hardening, rather than the W2 listed below.

For critical projects you probably better served by investing in known materials. However many projects and shop tools can be fashioned from our typical iron in the hat materials.

Application	Number	Letter	Application	Number	Letter
Agricultural Steel	1080		Hay Rake Teeth	1095	
Axles	1040		Jackhammer Bits		S5
Ball Bearing, Balls	52100		Knives, Machine		M5
Ball Bearing, Race	52100		Knives, Woodworking		O2
Band Saw Blades		L6	Leaf Springs	1085, 5160	
Bits, Router		M2	Lock Washer	1060	
Bolts, Anchor	1040		Mauls		L6, S2
Bolts, Heat Treated	2330		Mower Knives	1085	
Bolts, Heavy Duty	4815		Music Wire	1085	
Brake Lever	1030		Nail Sets		L6
Cams		A6, S7	Plow Beams	1070	
Chisels		O2, O6, L6	Plow Disk	1080	
Clutch Disk	1070		Plow Share	1080	
Clutch Spring	1060		Pneumatic Tools		L6, A6, S6
Coil Spring, Auto	4063		Punches, Cold		A2, O2
Coil Spring, Truck	5160		Reamers		M2, O2, A2
Connecting Rods	1040		Roller Bearings	4815	
Crankshafts	1045		Screw Drivers		L6, S2
Cutters, Bolt		S2, S7	Snap Rings	1060	
Drifts		L6, S2, S7	Spring Clips	1060	
Drills		M2	Spring Steel, Clocks	1095	
End Mills		M2	Steering Arm Bolts	3130	
Fan Blades	1020		Steering Arms	4042	
Files		W2	Taps		M2, O2
Gear Shift Levers	1030		Transmission Shafts	4140	
Gears, Transmission	3115		Tubing	1040	
Hammers		L6	Universal Joints	1145	
Harrow Disk	1080		Valve Springs	1060	
			Wrenches		L6, S2



The *FORGE FIRE*

Newsletter of the
Indiana Blacksmithing Association,
Inc.

Bill Kendrick *Newsletter Editor*

1280 N CR 900 W

Seymour, IN 47274

Address Correction Requested
If Undeliverable return to sender
With original address legible

First Class Mail

