

BOARD OF DIRECTORS

Gary Phillips '14

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

Bill Conyers '15

Vice President:
(574) 277-8729

Ken Dettmer '15

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

Dominick Andrisani '12

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

Ted Stout '12

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

James Johnston '13

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

Keith Hicks '13

Secretary:
7096 Dorrel Rd.
Brookville, IN 47012
(765) 914-6584
keithhicks2011@gmail.com

Michael Wollowski '14

211 Gardendale Rd.
Terre Haute, IN 47803
(812) 232-2591
wollowsk@rose-hulman.edu

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.
Contact **Michael Wollowski** (812) 232-2591 if you are willing to host or demonstrate for IBA

**Dec 10
2011**

**CHAZ KAISER'S
(BOARD MEETING)**

**Jan 21
2012**

**FALL CREEK BLACKSMITH SHOP
MIDDLE TOWN**

**Feb 18
2012**

**KEN DETTMER SHOP
COLUMBUS**

**Mar 17
2012**

**BUNKUM VALLEY
BUSINESS MEETING**



INDEX

PGS 3-6
SATELLITE
NEWS

PG 6
LIBRARIAN
MESSAGE

PG 7
COLD SHAPING

PG 8
BERT'S BELL

PGS 9-11
SAFETY 101

Dates to Remember

March 21, 2012
Business Meeting

June 1-3, 2012
IBA Conference

Editors Message

2012 Conference Project message from Jim Johnston

A garden arch or arbor is the challenge this year (2012) The one illustrated was made by Ken Dettmer several years ago.

These are just suggestions but they can be made as love seats, flower pot stands, trellis's. Made of mixed materials i.e. iron and copper and wood and glass even plastic if you dare. Arched tops, pagoda tops, flat tops any configuration you can conceive and any size is acceptable. They can be freestanding, made to place against a wall or even laid flat. The important thing is to use your groups conceptual talents as best you can. You can use modern design, art deco, rococo or medieval or something entirely new. If you don't like your group make one by yourself, just get busy.

JJ



2012 Hammer-In Schedule

January 21	Fall Creek Blacksmith Shop (John Zile)
February 18	Ken Dettmer
March 21	Bunkum Valley (Business meeting)
April 21	Whitewater Valley Blacksmiths
May 19	Rocky Ford Blacksmith Guild
June 1-3	IBA Conference, Tipton
July 21	Southern Indiana Meteorite Mashers
August 18	One Armed Blacksmiths
September 8	Sutton Teroock (2nd Saturday)
October 20	Wabash Valley
November 17	St. Joe Valley Forgers
December 8	Chaz Kaiser (2nd Saturday)

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

Jennings County Historical Society Blacksmith Shop

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

Wabash Valley Blacksmith Shop

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

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

Maumee Valley Blacksmiths

Meet: 1st Saturday
 Contact: Clint Casey (260) 627-6270

St. Joe Valley Forgers

Meet: 4th Saturday at 9 AM
 Contacts: Bill Conyers (574) 277-8729
 John Latowski (574) 255-6209

Rocky Forge Blacksmith Guild

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

The Southern Indiana Meteorite Mashers

Contacts: Billy Merritt (812) 338-2876
 Steve King (812) 797-0059
 Shawn Gilley (812) 486-9113

Whitewater Valley Blacksmiths

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

One Armed Blacksmith's Shop

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

Bunkum Valley Metalsmiths

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

"Doc" Ramseyer Blacksmith Shop

Meet: 3rd Sunday at 2 PM
 Contacts: Mike Kelley
 Charles Gruel (765) 513-5390

Sutton-Terock Memorial Blacksmith Shop

Shop open at 9am 8 members present. Dan Neidig went to work making drive hooks he made 4 of them. I wonder how many kids he has. Do you want to tell us Dan? Levi Berkshire our 9 year old boy made a drive hook. Levi is a scout also so he started on making a fork and spoon so he can earn his blacksmithing badge for scouts. Keep up the good work Levi. Larry Uceny made a pair of tongs and a fire rake. I think Larry is ready to start blacksmithing now. Denny Setnor made his third flag holder I hope he gets it right pretty soon. He said that his wife was going to paint them. I question that beening his wife is my daughter. Tim Pearson finished wiring up the lights and power hammer. Now as soon as we get it adjusted it will be in use. Thank You Tim.

Shop closed at 2:30 pm.

Hammered in Friendship
 Fred Oden

Free! On the Web

Go to <http://www.bushcraftuk.com/downloads/pdf/blacksmithing.pdf> to download a copy of 'Basic Blacksmithing: An Introduction to Toolmaking with Locally Available Materials', by David Harries and Bernhard Heer. The 132 page book was published in London in 1993 by Intermediate Technology Publications.

IBA Satellite Groups and News (continued)

Jennings County Historical Society Blacksmith Shop

Frank Hall a major supporter of the Vernon group has passed away. Frank was the former editor of the Forge Fire, Matt Jones brought in his obituary. He will be greatly missed and not forgotten.

The shop was opened at 5:48 am it was a busy day, Kevin Walsh made a dragon. We had a young girl and boy come in with their parents. They had found us on the IBA web. They are very interested in the skills of blacksmithing and with the help of Charlie Helton, Kenny Dittmer, Kevin Welsh, Matt Jones, Ray Sease and others. Bill Newman using the Bill Newman forging station spent considerable time with the youngsters. We had to put in a second forging station and name it after Bill as it is hard to keep him setting down. Remember a Vernon smith is a happy smith. The item Bill helped the boy with was rose-leaf and heart all in one and it came out very good. Bill did not do any of the hammer work, evidently he is a very good instructor. Kenny made a leaf and gave it one of the kids mother. Bill Kendrick made some squirrel feeders for an auction at the Hayden school and so did Matt. Charlie gave the kids a lesson in hammering techniques, a very important lesson to prevent injuries. Charlie also brought in a hammer he had made and did demo with it. Mo Handy the president of the RSMA came down and it was good to see him. Ray fixed hot dogs for those that wanted them, Mo had 2 and Ray had 3. The Vernon group has another Rookie of the year candidate and it is Brad Weaver, Brad is the son in law of Charlie Helton. Brad made a 3 piece fire set and donated them to the One Armed Blacksmith Shop for their opening day of their new shop, Anyone would be proud to have them. If I had teacher like Charlie when I started out I could have won Rookie and Blacksmith of the year all at one time. The Vernon shop has a new coat of paint and it looks like new thanks to Travis Shepard, thanks Travis. The Vernon shop is closed till April we will be at Chas Kaisers in December. The demo this year will be Mark Thomas, Mark is very good don't miss this one. A very merry CHRISTMAS and a happy New Year from the Vernon. We had 24 present, Might need more forges.

by Ray Sease

Rocky Forge Blacksmith Guild

The Rocky Forge Blacksmith Guild will not have a December meeting due to the IBA meeting on the second Saturday, December 10th, at Chaz Kaizer's shop in Batesville, IN. You are all invited to attend that meeting. The IBA always has a good demonstrator for the December meeting. Chaz's shop is a very interesting adventure. He does some commercial work and has a lot in imagination in both his creations and the tools he has built. I would suggest this trip as do not miss. His underground house is his own creation with lots of metal work on display. We will car pool from my shop leaving about 7:00 A.M., with breakfast at McDonald's on the way. Let us try to make a good showing of the Rocky Forge group. Be sure to take something for the pitch in meal and items for iron in the hat. A folding chair is also a good idea as they are usually short on seating capacity. Hope to see you all on December 10th.

Ted

IBA Satellite Groups and News (continued)

The Southern Indiana Meteorite Mashers

The southern Indiana Meteorite Mashers met this month at Jeff Reinhardt's Newly expanded shop. The expansion includes HEAT! Billy Merrit was especially proud of the heat. We had 11 regular members attend as well as many of Jeff's neighbors. The shop, even expanded was near full for most of the day, with a mid day opening of doors as the sun warmed the day. This was just in

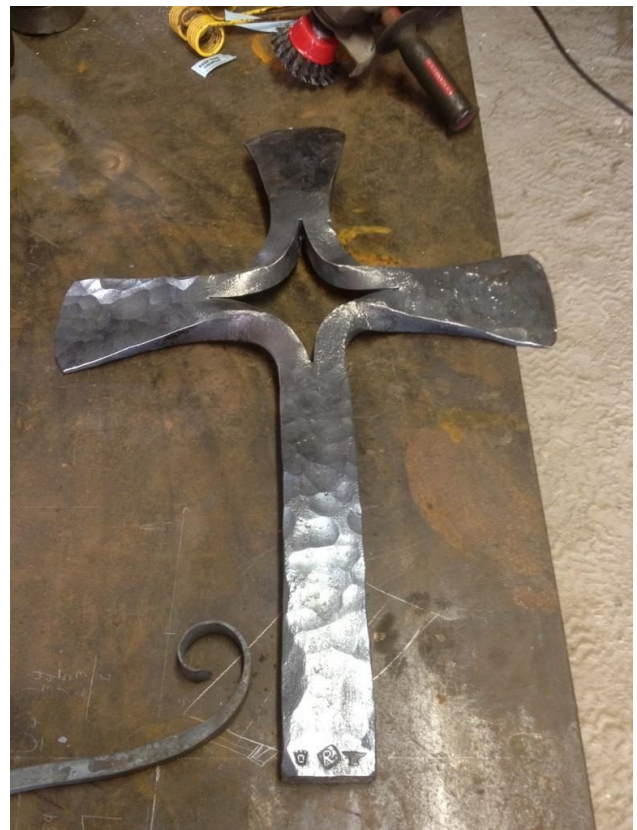


time for the event of the day, hand forging of a split cross from 2.5" square stock by Steve King, Dave Kunkler and Jeff Reinhardt. First, tools were made to grab the cross arms for bending out, and a large set of tongs in the shop collection were adjusted to fit. Took what seemed forever to get the uniform heat in this

large a bar, then the crew set to work. Things progressed well until the head came off Dave's sledge and luckily only grazed his head! Another hammer was obtained and back to work. The finished cross was well worth the effort. Several of the Boy scout visitors took turns cranking the blower for this effort, and considering the amount of cranking needed, that was well appreciated.

Lunch was smoked turkey and potato salad and was well received. Shop was closed at 5:30 pm after a great day of visiting, good iron in the hat, several demonstrations and much good food.

This is the second year of the post Thanksgiving meeting at Jeff's and may well become a tradition.



. IBA Satellite Groups and News (continued)

One Armed Blacksmith's Shop

Hello All,

The meeting started with a treasurers report from Charlie Shaw. Jeff Park lit the fire.

Tim Metz made a set of tongs with help from Charlie Helton. Jim Jesse and Charlie made hardware for the new lock on the front door. This is all temporary until we make a more cosmetic front door. We have two work stations now plus a power hammer on loan. We had three new people at this meeting, Austin Hastings, Cathy Hastings and Jim Moore. Austin is 12 years old and has built his own forge. Jim is a 3rd generation blacksmith. You just never know who is going to show up. Welcome to you all.

Iron In The Hat raised \$45.00.

Unless it is bitter cold we will be meeting at The Henry Breeding Farm from now on.

The photo is of Jim Jesse and Austin Hastings working on a S hook.



The IBA library will travel to Chaz Kaiser's for the Hammer In on December 10.

Books and videos will be available for your examination. New material has been added which you may not have seen before. Winter is coming and that is a good reason to spend some time indoors reading or watching a blacksmith video.

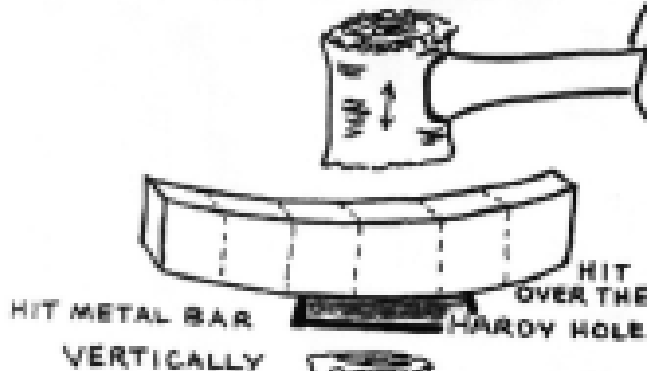
To Use The Library:

1. You must be a current IBA member in good standing.
2. You must fill out and sign a Library Borrowers Form.
3. Return the materials within 30 days.
4. NOTE: IBA NO LONGER REQUIRES A PERSONAL CHECK AS A DEPOSIT.

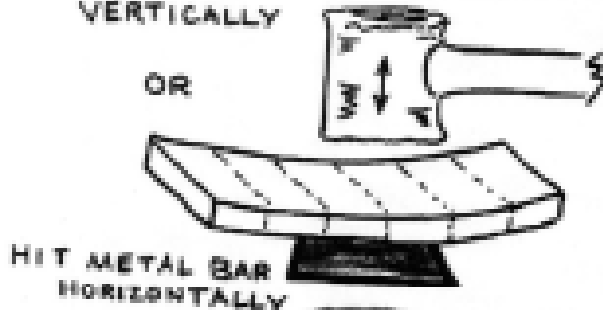
COLD SHAPING HINTS : Shaping over a hole with a mallet (leather or aluminum) to prevent marking the metal bar... from Doug Kluender



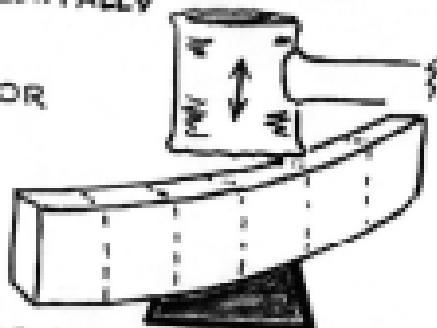
- HINTS :**
1. Using the inked lines on your metal bar, hammer from the center & hit out to your desired form.
 2. First hammer the line marks, then hammer in between.
 3. The closer the blows of the hammer, the smoother the curve.



OR

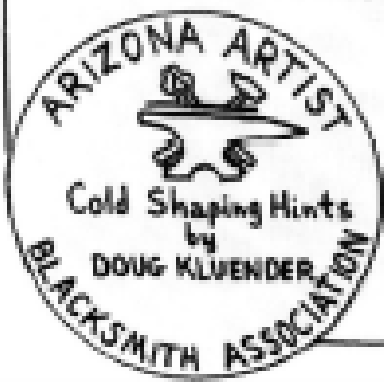
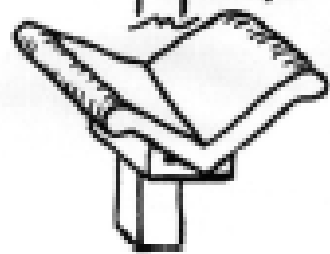
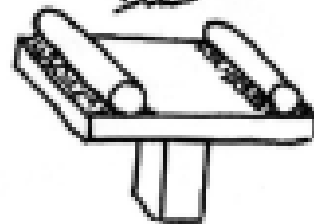


OR



COMBINE HITS TO MAKE A COMPOUND CURVE

OTHER FORMS TO HIT OVER:



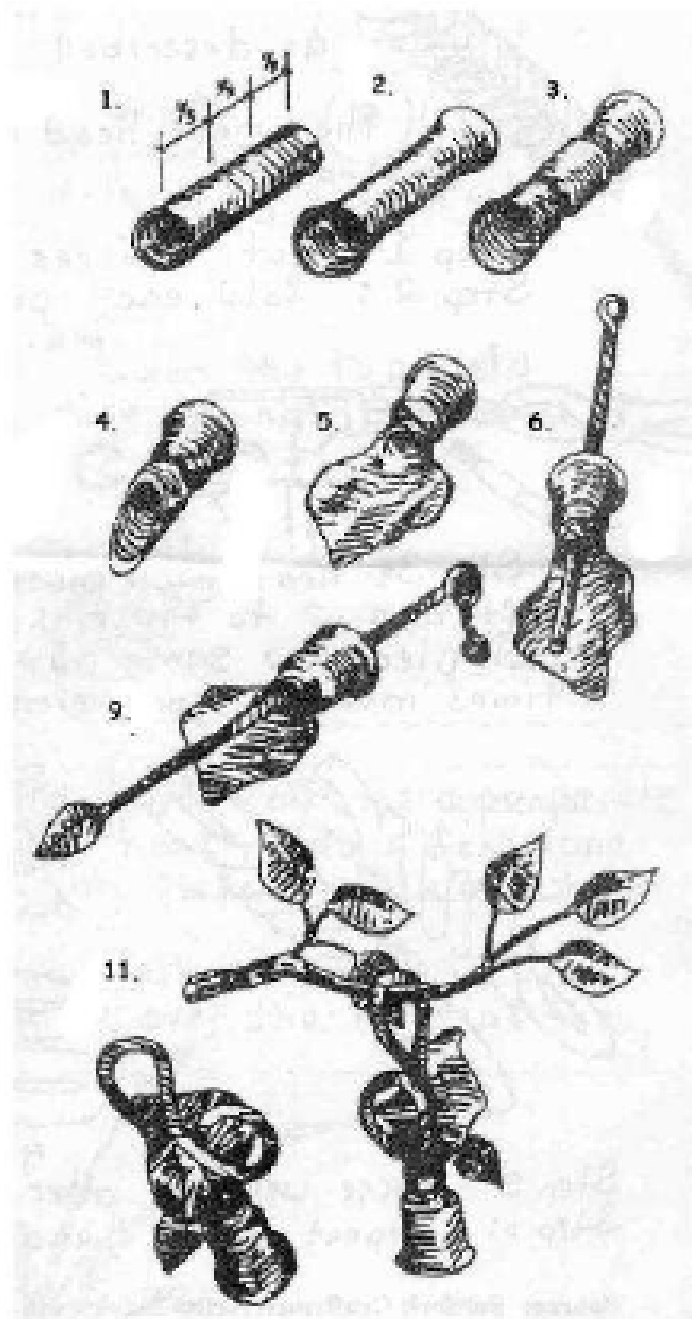
illustrations by d.w. hardy
computer & photography by b.mckhardy

Bert's Bell

Tim Underwood

BAIA member Roberto Elliot gave this unique bell making demo at the 1994 ABANA conference.

Two inch seamless pipe was used to make an attractive and nice sounding bell. Most of the techniques used were familiar, but the tools adapted to the power hammer weren't. This is a short description:



1. Cut 2" seamless pipe to 9" length. This will make two bells.

2. With a good orange heat, flare each end of the pipe over the horn.

3. With a guillotine type fullering tool, fuller each end of the pipe. This fullered waist should be centered with the inside diameter large enough so that the stem will be top tight.

4. Next, the two ends are separated with a diagonal cut.

5. With a good heat, the diagonal cut end is now fullered on the power hammer to the shape desired -- the shape desired by the metal and not necessarily by the smith!

6. The stem is from 3/8" round about 16" long. First, a leaf is forged on one end, then a long taper is pulled as far back as desired.

7. The stem is now inserted and the eye for hanging the clapper is formed.

8. The clapper is formed from a short section of 7/8" round. All rough edges should be removed after the end is drawn for the hanging hook.

9. The clapper is hung by heating the hook and looping it through the eye of the long shank. Check for freedom of movement.

10. The waist of the bell, including the clapper stem, is now heated and taken back to the power hammer and fullered into place.

11. The free end of the shank is now free formed into a loop to avoid secondary resonance from the free form top of the bell. The stem should wind up with the lead on the back side touching the free form shape to act as a damper.

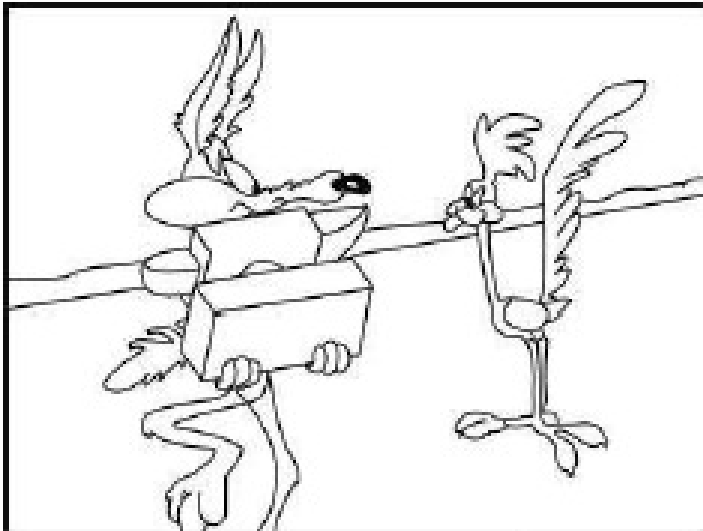
12. Brush to remove scale and finish as desired.

Editors Note:

This article is reprinted from The Blacksmith Guild of the Potomac newsletter, November/December 2011

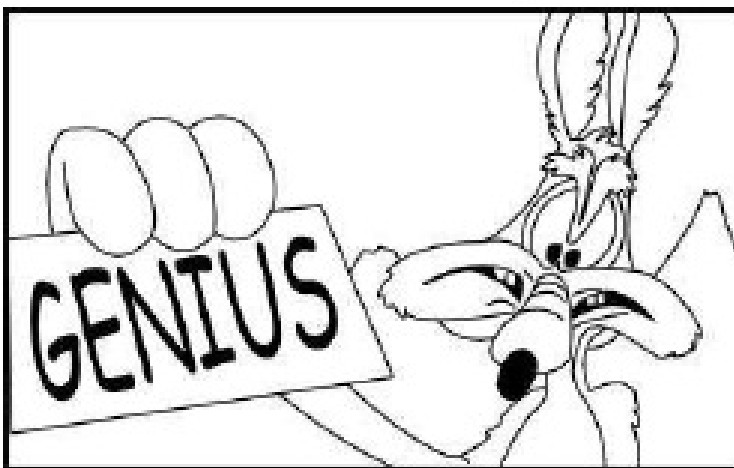
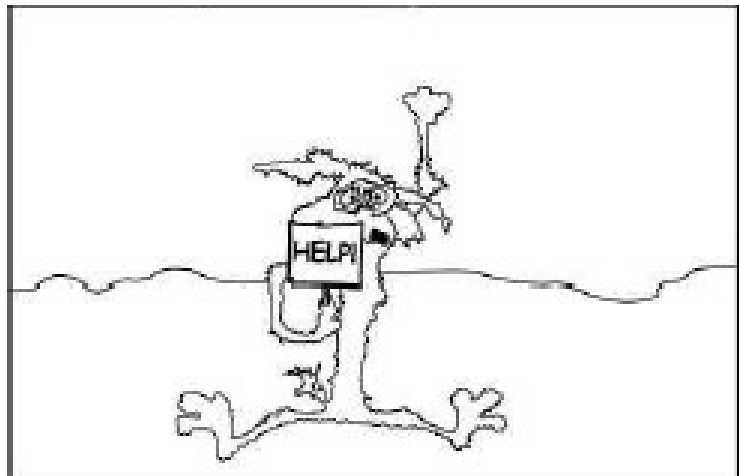
Safety 101

The Desert Shop Master

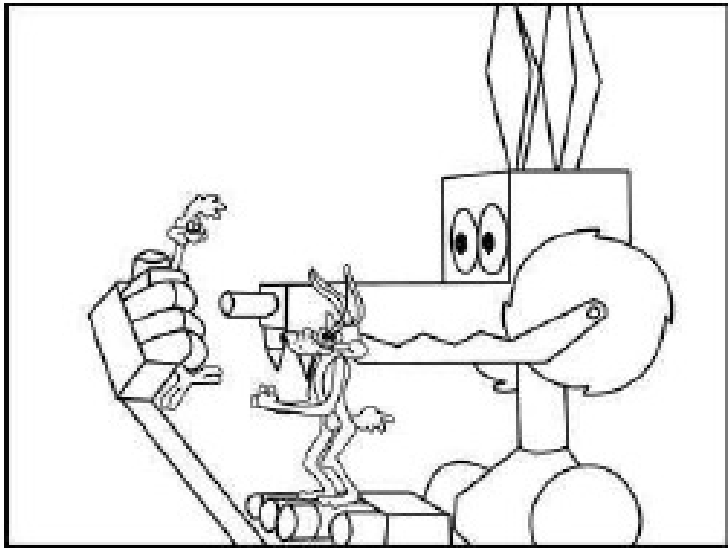


Learn how to pick up and safely carry heavy loads. Never carry more than you can carry comfortably. Avoid distractions when carrying heavy objects.

It is always wise to seek help before an accident occurs.

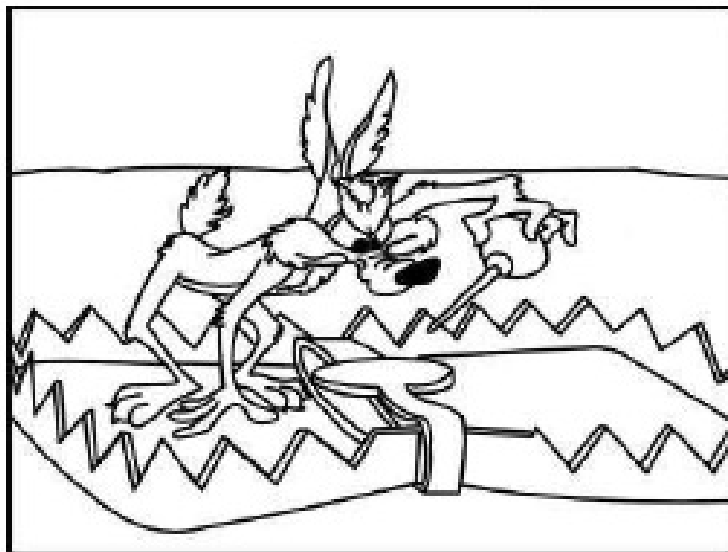
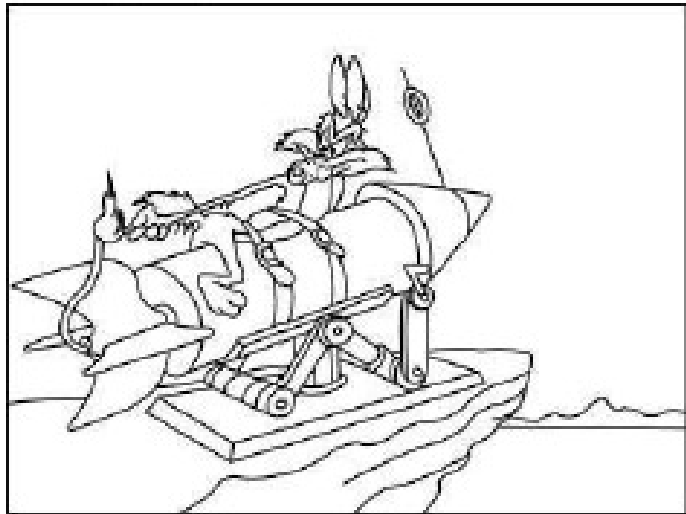


Begin each task with an honest assessment of your capabilities.

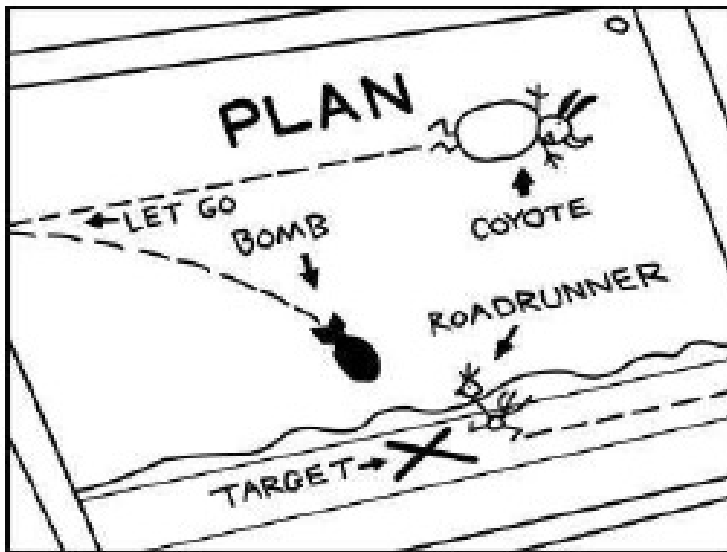


With any project, don't create a monster that can hurt others. Act wisely! The monster you create can turn on you.

Some ideas are inherently foolish. Safety requires common sense.

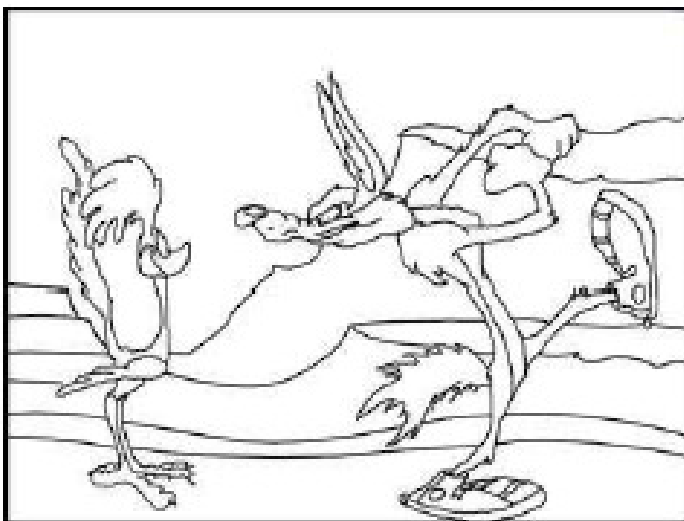
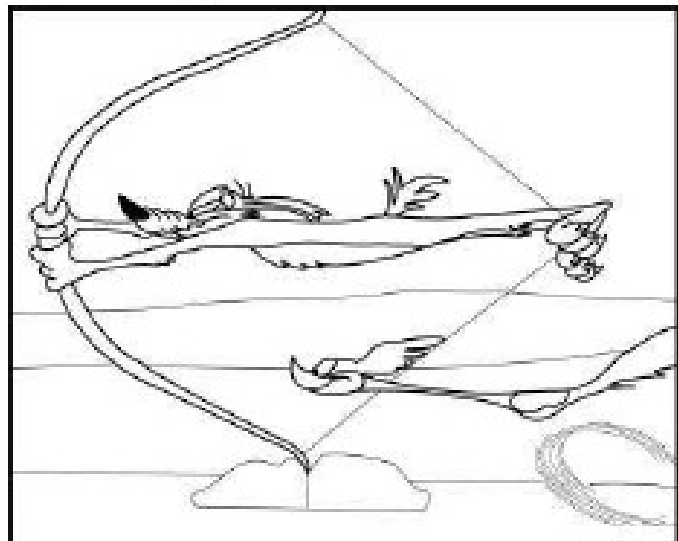


Always keep your tools in good working order.



While it is always good to have a diagram to follow, plans can go wrong. The input and advice of others is an asset to any project.

Always use the correct tool for the job. Improper use of tools can lead to disaster.



Watch where you're going!

Line drawings of public domain images
by Bob Dixon Gumm



The *FORGE FIRE*

Newsletter of the
Indiana Blacksmithing Association,
Inc.

Bill Kendrick *Newsletter Editor*

1280 N CR 900 W
Seymour, IN 47274

First Class Mail

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

December 10 Hammer In & Board Meeting Chaz Kaiser's

16 Indiana Avenue, Batesville, IN 47006

It's a pitch-in lunch, please bring a dish to share.

Coming from central Indiana, take I 74 east towards Batesville. Exit at SR229 and turn South towards Batesville. Turn left onto IN 46 / Broadway St. and follow for about 1 mile. Turn right onto Pearl St. (by Batesville Casket) then follow Pearl St. to Indiana Ave. Chaz is located at 16 Indiana Ave.

Fall Creek Blacksmith Shop - January 21

3380 W 650 N, MIDDLETOWN, IN 47356

LUNCH WILL BE AT THE IRON KETTLE IN SULFUR SPRINGS.

SULFUR SPRINGS IS 3 MILES WEST OF IN. 3 ON US 36 AND APPROX. 12 MILES EAST OF PENDLETON ON US 36. GO NORTH AT THE FLASHING LIGHT (300W), TRAVEL NORTH FOR 1 1/2 MILES, TURN LEFT (WEST) ONTO 650 NORTH. JOHN'S HOUSE IS THE FIRST DRIVE.

CALL JOHN AT (765) 533-4153 IF YOU HAVE ANY QUESTIONS.