

ROCKY FORGE NEWS AUGUST 2009

Let's plan on meeting at the Illiana Show grounds on August 8th at 9:00. Bring a forge, anvil and tools (a chair might be nice). I left my forge and two tables with vices over there after the show and will bring an extra forge for this meeting. We can have an open forge time and just blacksmith for the fun of it. If you all participate we should have a good time. Some of us can practice what to make at the State Fair on the following Monday and Tuesday.

Pack a picnic lunch and we can eat up at the club house or in our building. We have plenty of bottled water to drink, thanks to Scott D. and Jill. Bring iron in the hat items so we can have a drawing.

Doughnuts and coffee sure would be a nice thing out there in the open building. I will bring the coffee if one of you will bring doughnuts. Let me know.

Ted

Editors Note: With the State Fair starting next week I have had a lot to do, everything seemingly an emergency. I have learned how to get articles inserted from formats that I have never been able to before. We have some how-to articles and information to make life easier at the Fair. I would like to thank J.J., Kim, and especially Ted for their effort for the Fair.

From: Kim Soladine July 30, 2009

I sent out the RSMA newsletter on Monday, I am hoping you have received yours. I know that in the past, I have as have others who have demonstrated at the events, bring our own materials, and tools. There is usually some extra available, but for those who wish to work on certain projects, it is best that each person bring his own. In the newsletter, I mentioned some small items that can be made, in a short time, but each of us has our own idea of what material is needed.

To answer your question,...bring what you think you need to work on project you feel comfortable to make, and don't plan on material being available. There is about a bag and a half of coal there now, and JJ says he is bring more and not to worry, but it might be wish to plans for a little more if you have it.

One thing that we don't want is someone or a couple fellas working on something that would be better done at

there own forges, (example was, Don't bring and spend 3 hours on a car axle that you need straightened. It may be something that blacksmith would have done, but it isn't interesting to onlookers, nor does it allow time for other smiths to work at the anvil).

There is two forges and two anvils, (Maybe three) and I have heard that there are now two vises. In the past, on a daily basis, other small forges, and anvils have been brought and used by those who bring them. I have plans for a separate bench for making "Horseshoe Nail Rings", therefore keeping the vises open.

Work area can be tight, if fellas team up, while one is at the anvil, the other can be heating his stock, or they can crank the blower for each other. There is usually one of two fellas up front talking to the onlookers, whiles other sit out to the side, waiting their turn. I hope to have a canvas awning for the days I am there. (Shade is in short supply) The additional anvils can be set opposite the main anvil at each forge, therefore, allowing four smiths to work at the two forges. I have spoke with Tim Nannet about the future possibility of having a larger set-up, and even the option for a shop where Smiths might gather at other times then just the fair.

Individuals need to bring chair, food, fruit, lunches,...come prepared, there are many food vendors available, but it can be expensive. Sometimes the Village offers a space at the farmer's table, but at best that is for only one or two. Water, lemonade, tea and ice has been free and available to those working in the Village.

At this time, I think the pioneer village people are amazed at what the Indiana Blacksmiths are willing to give the Fair and the Village. Time will tell what migh lie ahead.

I look forward to seeing you,...sorry I am so long winded, but I am trying to have you be prepared for what you need. Any additional questions please write or call.

Kim

Schedule for the Indiana State Fair IBA Blacksmith Demos

Aug 7, 8, 9

Rural Smiths of Mid America

Moe Handy (317) 862-5647,
<ruralsmithsofmidamerica@hotmail.com>

Aug 10, 11

Rocky Forge Blacksmith Guild

Ted Stout at (765) 572-2467. <stout8525@tds.net>

Aug 12,13, 14

Jennings County Historical Society
Blacksmith Shop

Ray Sease at (812) 522-7722, <anvil.8@hotmail.com>

Aug 15, 16

One Armed Blacksmiths

Tim Metz at (812)447-2606 or tim.metz@cummins.com.

Aug 17

David Childress, Larry Whitesell, Michael Wollowski

David Childress 765/492-4904, Trollkeep@gmail.com

Aug 18

Dominick Andrisani, Don Neuenschander
Coppersmith, & John Huffman & family

David Childress 765/492-4904 Trollkeep@gmail.com

Aug 19, 20, 21

David Childress, Clint Casey & Family

David Childress 765/492-4904 Trollkeep@gmail.com

Aug 22, 23

Fall Creek Blacksmiths

John Zile at (765) 533-4153, forger@hrtc.net

Passes should be in the Mail. They are being mailed by the Fair Board and so the distribution is determined by them.

WROUGHT IRON
Long yellow streaks broadening to a leaf some distance from the grinding wheel.

MILD STEEL
The leaf is smaller and gives rise to a number of sparks. Some streaks are shorter.

MEDIUM CARBON STEEL
Very small leaf larger sparks nearer the grinding wheel.

HIGH CARBON STEEL
Streaks less bright. Profusion of sparks starting very close to the grinding wheel. Complete absence of leaf.

MANGANESE STEEL
The streaks fork before forming sparks.

HIGH-SPEED STEEL
Faint red streaks terminating in a fork.

STAINLESS STEEL
Bright yellow streaks terminating in pointed ends.

CAST IRON
Faint red streaks terminating in complex bushy sparks yellow in colour.

MONEL METAL
Faint red streaks quickly tailing off.

THE SPARK TEST: We gratefully acknowledge permission to reproduce this diagram from the 'Quasi-Arc Welding Manual' published by The British Oxygen Company Ltd., Hammersmith House, London W.6.

METALS FOR ENGINEERING CRAFTSMEN
a guide to their composition, properties, and manipulation



LONDON
COUNCIL FOR SMALL INDUSTRIES
IN RURAL AREAS
1979



In 1988 the Development Commission merged with its agency CoSIRA - the Council for Small Industries in Rural Areas - to form the Rural Development Commission

Pages 3,4, & 5 excerpted from:

WROUGHT IRONWORK

*A manual of instruction
for craftsmen*

*This book is the copyright of the
RURAL DEVELOPMENT COMMISSION
141 Castle Street, Salisbury, Wiltshire SP1 3TP*

ISBN 0 854070 07 9



Published by
RURAL DEVELOPMENT COMMISSION
SALISBURY

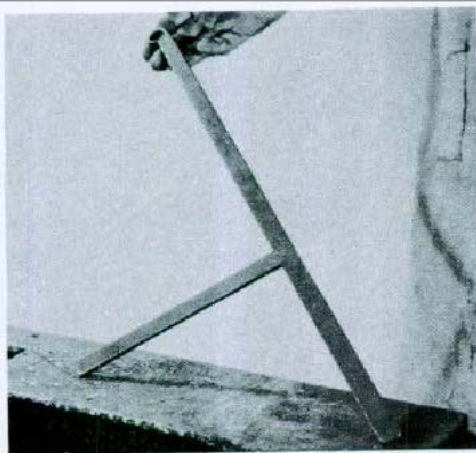


Fig. 10

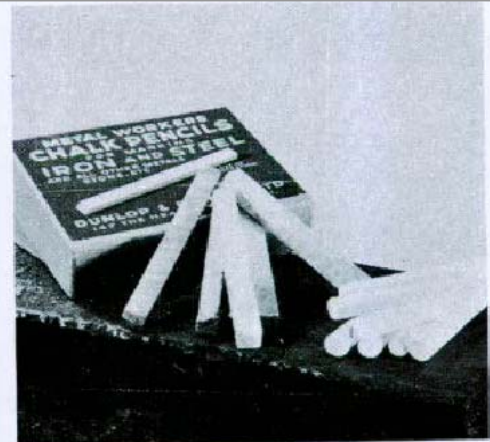


Fig. 11

Lastly, for measuring off and marking, you will need a smith's square (Fig. 10), dividers, and chalk (Fig. 11) – both engineers' chalk for marking metal, and schoolroom chalk for transferring drawings on to metal plate.

To Transfer a Drawing on to a Metal Plate

Whenever metal has to be shaped hot to a drawing, the drawing must be transferred to an iron plate. A sheet of brown paper, chalked on one side is used like carbon paper to transfer the drawing on to the plate.

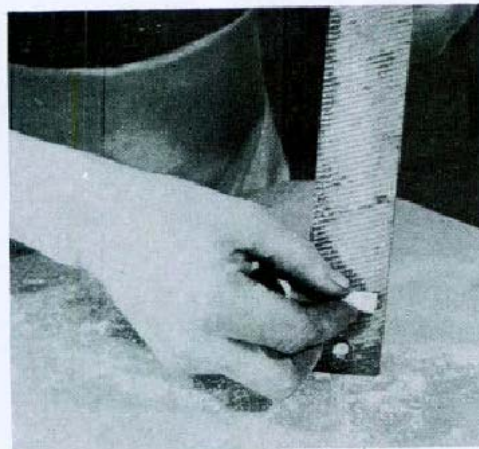


Fig. 12

A

First choose a piece of plate with a surface neither too new nor too rusty. Spread out the brown paper, and file a piece of natural or school chalk on to it with a bastard file.



Fig. 13

B

Rub the chalk in with your finger tips.

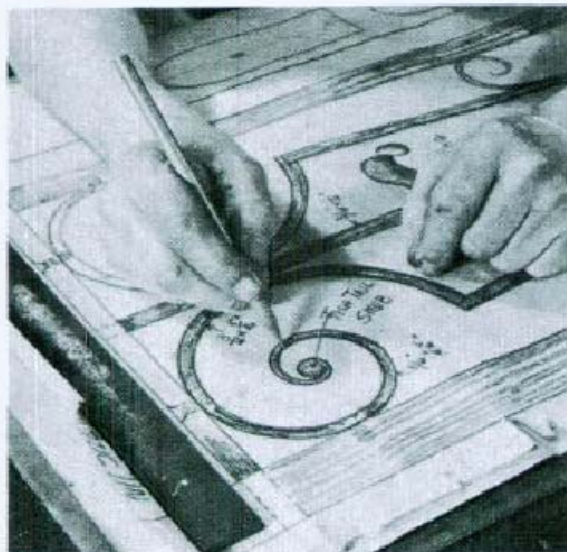


Fig. 14

C

Blow off the surplus chalk, turn the paper over, lay the drawing on top, and go over the lines with a pencil.

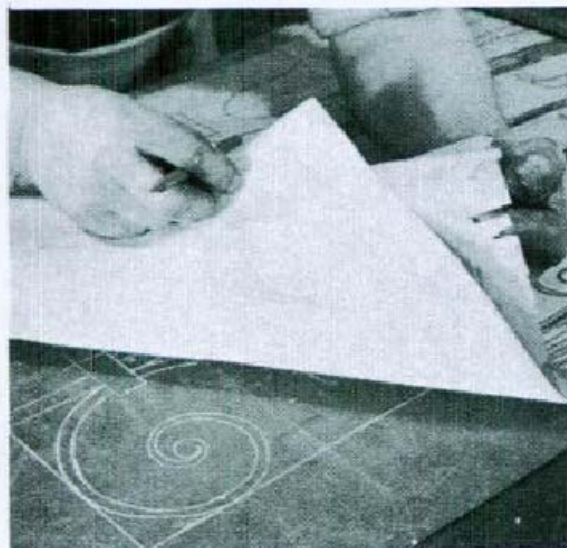


Fig. 15

D

This is the result. Strengthen any weak lines with engineers' chalk.



WROUGHT IRON GATE. Probably made by Warren about 1720. It stands at the entrance to Clandon Park, seat of the Earl of Onslow.

Notes on Elmer Roush's demo at Eddie Rainie's shop
March 7, 2009 DBG Meetin
by Jim Gray

Dividers

1/4 x 1/8 □

3/8 □

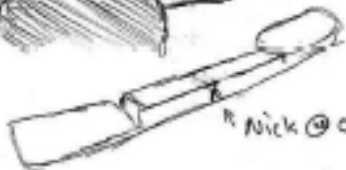
Female half 1/4 x 1/8 □



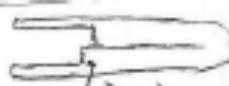
Half face @ some angle
(90° won't close up, must be off set)
Half face 90°



Do other side mirror image



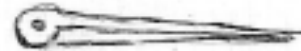
Nick @ center point



If they don't meet
Heat, put long side out
Bottom & fuller top

Forge weld together

Draw out

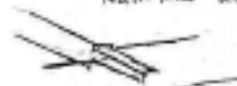


TIP Hiding forge weld seam
- Heat
- Put flux on
- Put filings on
- Put flux on
- Heat to welding heat
(lock filings & coolant on forge to burn off oils)

TIP If going to file a piece - soak in unger overnight. Scale is hard on a file!

MALE HALF 3/8 □

Half face at angle



to both sides



Half face to

cut to length



make sure the male is close to the female in length

