

down to form the basket handle. The final step is to clean the poker up and finishing it as you want.

The last projects made were a punch and a chisel. Coil spring was cut down to size to make the stock. The stock was straightened and formed into a punch and a chisel. These were two items that the students could use to make future projects.

Heat treating, annealing and tempering were covered in the last part of the class. Peanut oil and the forge were used to do the job.

A special thanks to Augie Schmidt, Jerry Grimes, and all the helpers that setup before the class, helped during the class, and packed up after the class. GREAT CLASS!!!

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**FOR SALE**

**Ray Clontz Tire Hammer Plans by Clay Spencer**

These plans are for a 50 lb. power hammer that uses the rear axle and hub from a front drive car and emergency spare tire and weighs about 700 pounds. It is powered by a 1 hp, 1750 rpm electric motor, 120 or 240 volts, runs about 250 blows per minute and uses a spring toggle mechanism similar to Little Giant hammers. The anvil is 6" solid round (minimum size) by 36" high and the frame is 5" square tubing. The plans are 40 pages, printed front and back on 20 sheets that include parts list, detail and assembly drawings, sources, notes, installation, adjustments and maintenance. Over 200 hammers have been built using these plans. Price is \$30 U.S. including postage to U.S. and Canada, \$32 U.S. to other countries. Send check or money order to Clay Spencer, 934 Partridge Lane, Murphy, North Carolina 28906. Email: clayms@brmemc.net for information. Also, lead workshops for chapters or groups to build 15 to 20 hammers and have tire hammers for sale, \$2,000.

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**Larry Wilson's January Demonstration- A Friederick or Split Cross**

Larry graciously provided dimensions for making the cross he demonstrated at the January Chapter Meeting. Square stock is used. Measurements are given for 5 different sizes of stock. All measurements are started from the same end. Measurement 4 is the overall length. Thanks for sharing this with us Larry!

| STOCK SIZE →  | 1/4 x 1/4 " | 3/8 x 3/8 " | 1/2 x 1/2 " | 3/4 x 3/4 " | 1 x 1 "  |
|---------------|-------------|-------------|-------------|-------------|----------|
| Measurement 1 | 11/16 "     | 7/8 "       | 1 5/16 "    | 1 3/4 "     | 2 5/8 "  |
| Measurement 2 | 1 "         | 1 3/8 "     | 2 "         | 2 3/4 "     | 4 "      |
| Measurement 3 | 1 11/16 "   | 2 3/16 "    | 3 5/16 "    | 4 3/8 "     | 6 5/8 "  |
| Measurement 4 | 2 11/16 "   | 3 1/2 "     | 5 5/16 "    | 7 "         | 10 5/8 " |

