

## Fireplace Tool Set

### Tools:

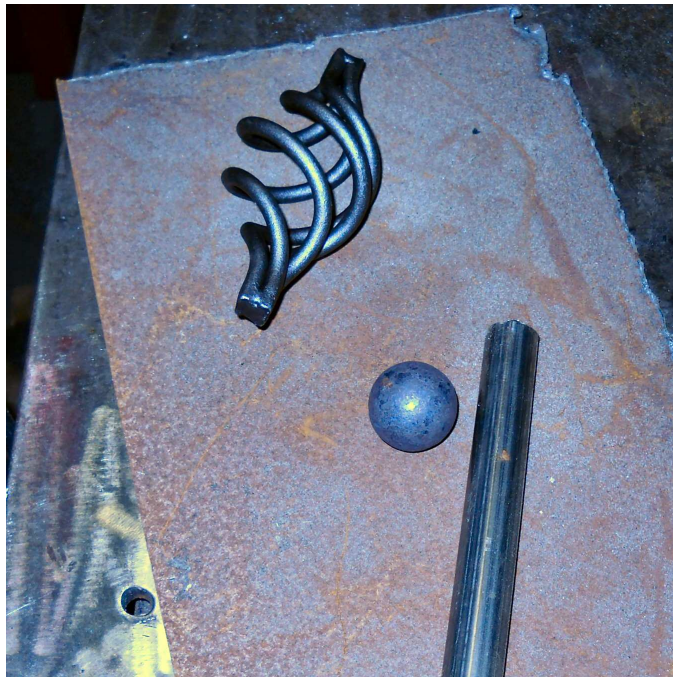
Welder  
Angle grinder  
Metal saw – any kind  
Vise

### Materials:

½” EMT or ½” round tube  
Sheet metal – 18 gauge or heavier.  
(2) 6” more or less square pieces  
1” x 1/8” bar (holds top of tools)  
¼” rod (bottom of tool holder)  
½” rod (end of poker)  
3/8” rod (curve of poker)  
(4) 1” steel balls  
(4) steel baskets  
Wisk broom

The steel balls and the baskets came from King Architectural Metals ([www.kingmetals.com](http://www.kingmetals.com)). The wisk broom from Home Depot. All other materials were lying around in the shop.

This photo shows most of the materials; basket, ball, EMT, and sheet metal



### **Assembly**

The baskets simply fit into the tubing and are welded. A flat spot is ground on the steel balls and then it is welded to the top of a basket. The photo shows some weld material on the ball before finish grinding.

**Shovel:** A rectangular piece of sheet metal was used for the shovel. I cut an angle out of two corners, bent the edges to make a nice shape, welded the corners, and then ground everything flat. I used a bender however these bends can easily be made in a vise. The shovel part was then welded to the EMT handle



**Wisk Broom:** Put a wood screw through a washer, tack weld to the washer, and then weld the washer to the tube. Then drill a hole into the wooden top of the wisk broom and screw tight to the tube. If the wisk broom gets worn or burned, it can be easily replaced.

**Poker:** A 3" piece of 1/2" rod was welded into the tube. I was concerned that the EMT would corrode eventually in the heat so the solid rod will take the brunt of the heat. The end of the rod is rounded with a grinder. Next a bent a piece of 3/8" rod was welded perpendicular to the EMT.

**Holder:**

The next photo shows more details. The holder has a piece of curved bar at the top and a rim at the bottom to keep the tools in place. The rim is made of 1/4" round rod with (4) 90 degree bends (using the vise). The ends are welded together and ground.

There are two short pieces of square stock under the holder to raise it off the floor.

