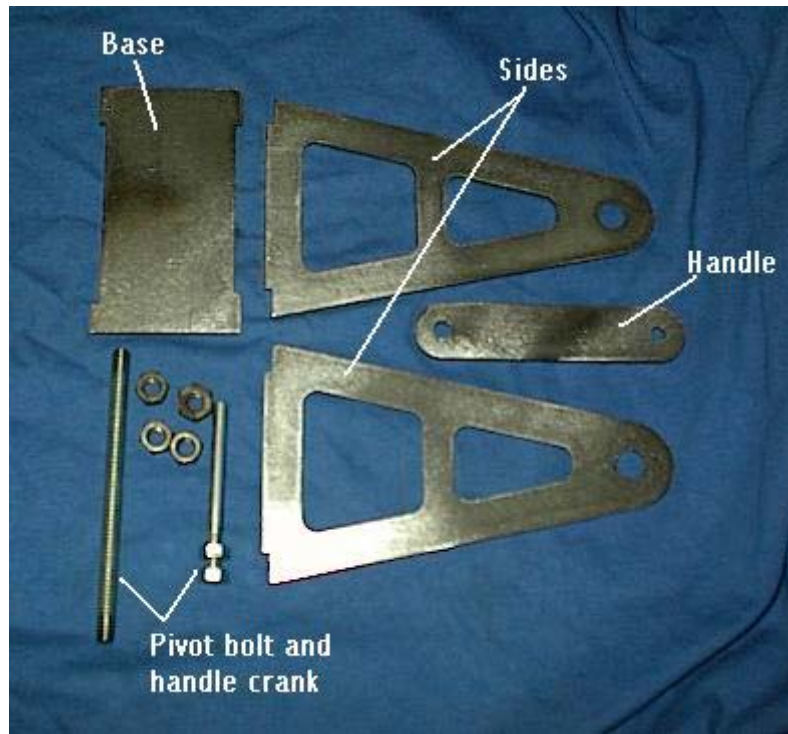


*Coil winder base assembly*



**Above is the completed winder base with the optional universal triangular coil winding head.**

**Below is a picture of the components for the coil winder base...**



**Assembly of the base is quite simple. Notice the base has a slot that matches up with the tab on the sides. You can use a piece of angle iron to clamp the base and side on to weld together. The second side is the same. All that is needed is a weld about ½” long on both ends of the side brackets. Slide the pivot tube into the holes at the top, spaced evenly with a little hanging out on each side and tack weld it in place on the under side ( doesn’t show much there ).**

**Below shows the base welded together...**



**The handle has 2 holes, one  $\frac{1}{4}$ " and one  $\frac{5}{16}$ " . Insert the  $\frac{1}{4}$ " bolt into the hole using a nut on each side and tighten. The  $\frac{5}{16}$ " threaded rod will attach to the handle the same way. Slide the hand crank through the pivot tube and install a nut on the opposite side.**

**A little paint and the Winder base is complete. You can make a winding head out of plywood, plastic metal or what ever you have handy. The optional "Universal triangular coil winding head" is shown on the main picture at the top. Below is a description of how it works.**

**There are 3 plates making up the universal head. The first plate holds the pins in place. You simply adjust the width and height of the coil you want to wind and lock the pins down using the 2 nuts. Below shows the first plate in place with the pins locked on...**



**Then the second plate is installed, this is simply the backing plate to hold the wire in form shown below...**

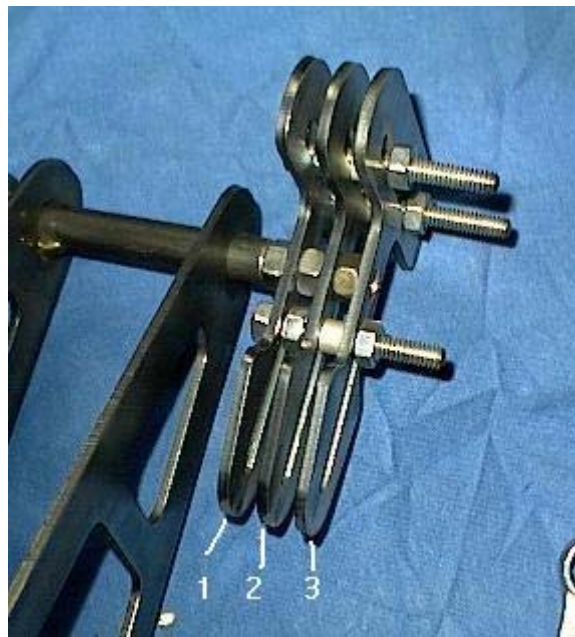


Then you use spacers for the thickness you want the coils. I mostly use 1/4" and 1/2" which makes it fairly easy and the winding head comes with 3 of each of the above thickness. The spacers actually do 2 things... they hold the plates apart to the width you want the coils and aid in the removal of the coils without scratching the wire.

Below shows the spacers in place...



The only plate that is removed after a coil is wound is the last plate. Below shows the head assembled and ready to wind a coil...



Simply clamp it to a bench or table top and wind away ! A quick and simple project!

**Making a head for specific sized coils would only require 2 plates, one being fastened to the shaft and the other removable. The universal head requires 3 because of the moveable pins.**