

by **Thinkenstein** on November 22, 2009

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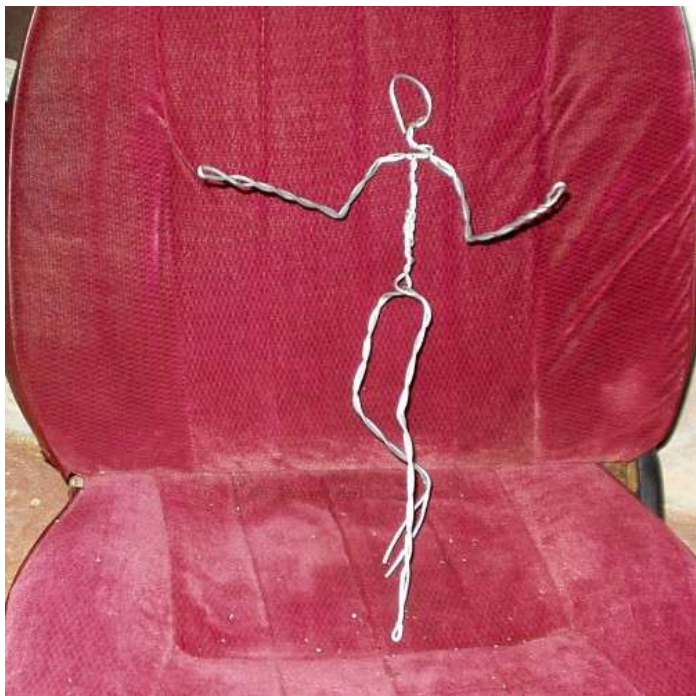
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Intro: An Easy Sculpture Armature - human figure

This is an easy way to put together a wire armature for sculpting a human figure. No welding or soldering is required, just wire twisting and bending. I plan to make the sculpture with colored grout, which is hard like cement when it cures.

Basically, two wires are laid out side by side in a human-like configuration and twisted together using two pliers turning in opposite directions.

I am leaving the legs a little long, because the ends will be set in grout to attach the figure to the base. Arms and legs can be shortened by cutting the wire. The torso area can be shortened by bending it back upon itself to take up some of the extra length.

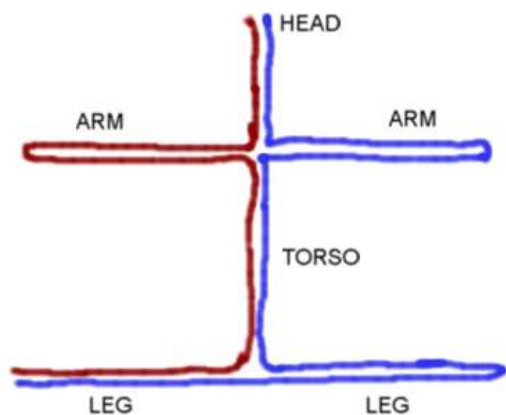


step 1: Lay out the wire

This is a configuration of two wires that will result in something human-like. Different configurations of the wires will work. Joints are strengthened when wire exits one limb and enters an adjoining limb or the torso area.

Twisting the paired wires shortens their lengths some, and makes the combined wires more rigid than single wires.

TWO WIRES (CODED RED AND BLUE). TWISTING THEM TOGETHER ADDS STRENGTH. MAKE THE SECTIONS LONGER THAN NEEDED. LIMBS CAN BE CUT TO LENGTH. TORSO CAN BE BENT TO SHORTEN THE DISTANCE.



step 2: Twisting the limbs and torso

Twisting is not difficult. To twist the legs, hold the hip joint with one pair of pliers and twist the foot area with another pair of pliers.

To twist the arms, hold the shoulder-neck joint and twist at the end of the arm.

To twist the torso, hold the shoulder-neck joint and the hip joint for twisting.

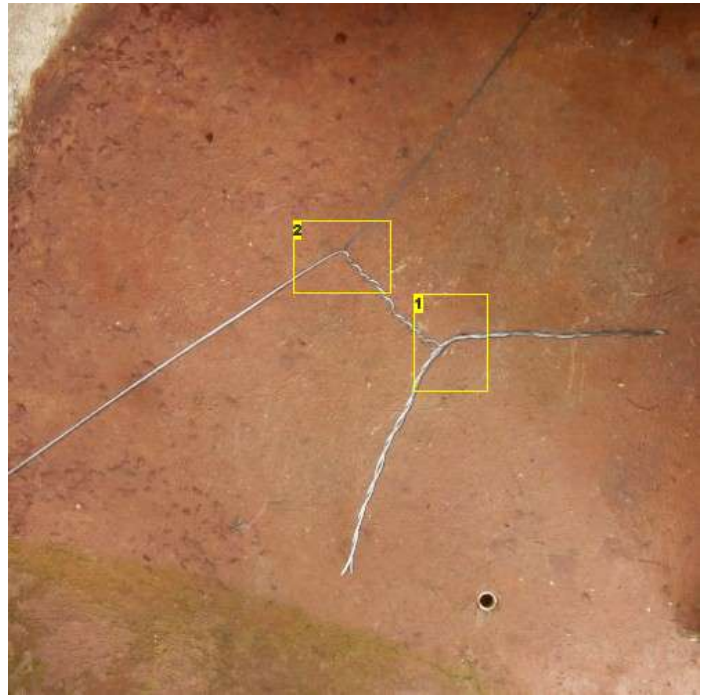


Image Notes

1. Hip area where spine joins to legs.
2. Shoulder-neck area.

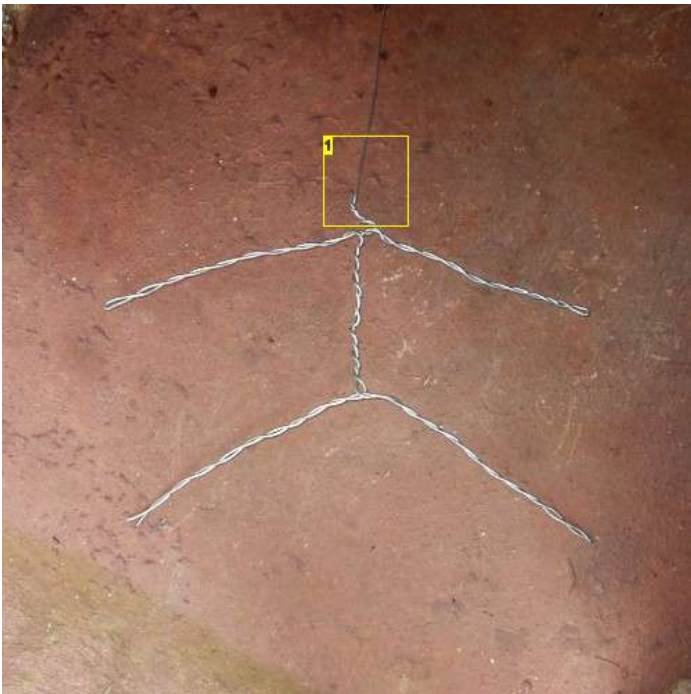


Image Notes

1. The wires that make the neck and head are the ends of the arm wires, which have been bent back on themselves and twisted.

step 3: Shortening the torso

It is easier to make sections shorter than it is to lengthen them. To shorten them, just cut off the excess length, or bend it back upon itself to take up some distance. This photo shows the spine bent back upon itself within the chest area.

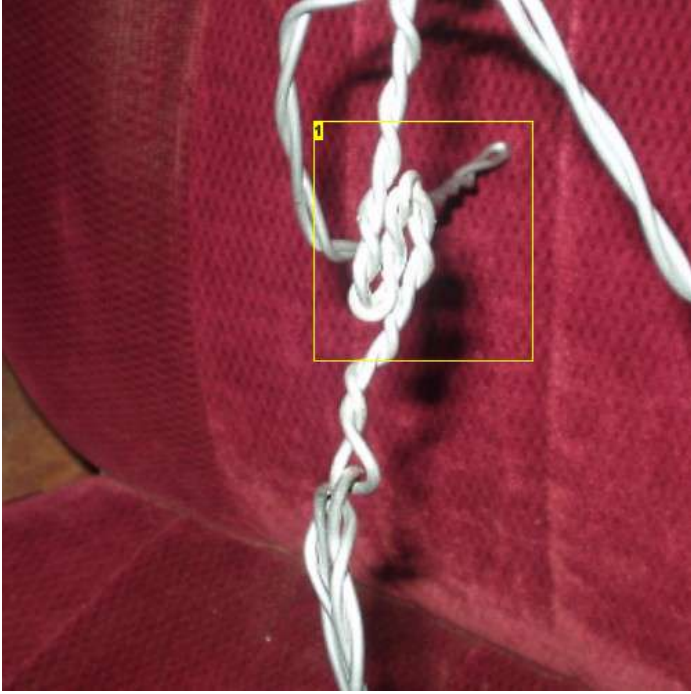


Image Notes

1. Spine is bent back on itself to shorten it. The lump will be hidden inside the mass of the torso.

step 4: Bend the joints

Bend to make the shoulders, elbows, hips, and knees.



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