



To make hooks for drop spindles I start with 0.043" diameter stainless steel music wire. Anything around this size should work fine.

The tools I use are a pair of pliers, a pair of needle-nose self-locking pliers, electrician's pliers to cut wire to length, and a cabinet scraper with one edge taped over to protect my hands to bend the wire over, as shown in Fig01.



*Fig01: Tools.*

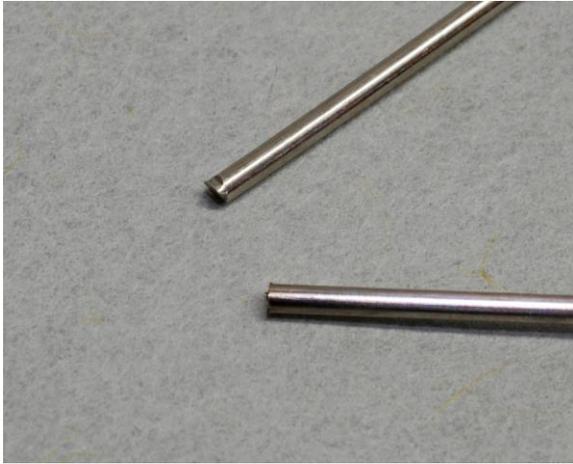
The pliers have one nose ground back to allow a more acute bend as shown in Fig02.



*Fig02: Modified plier tip.*

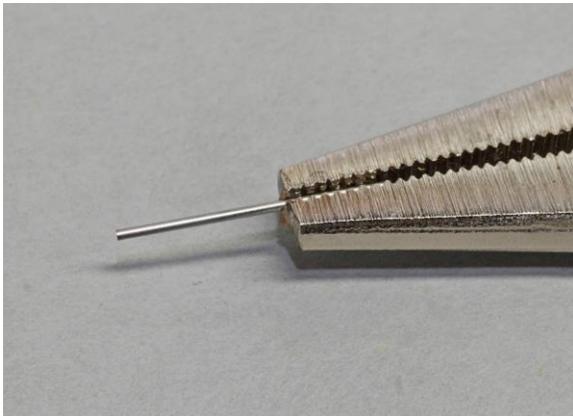
Begin to cutting the wire to length with the electrician's pliers. I measure against a notch on my work bench. The length required depends on how deep you drill the hole in the spindle shaft, how long you make the bent part of the hook, etc. For starters make them a little long and trim to suit. The cut wire has end sharp enough to cut skin, so flatten the end with a grinder. Fig03 shows two wires, off the tool on the top and after grinding on the bottom.

[Type here]



*Fig03: Grind tip of wire flat across to protect user's skin.*

Grip the wire, with the ground end sticking out in the needle-nose locking pliers as in Fig04.



*Fig04: Grip wire in locking pliers.*

Grab the end of the wire with the pliers and bend it as far as you can as in Fig05. The ground tip of the pliers will allow a sharper bend.



*Fig05: Bend end with modified pliers.*

Insert the cabinet scraper into the bend, and use the pliers to finish the bend of the wire as in Fig06. The cabinet scraper forces the wire into a small radius which allows a consistent attachment point but not so acute as to pinch the yarn.



*Fig06: Bend wire around cabinet scraper.*

Fig07 shows the completed bend with the pliers not obscuring it.

[Type here]



*Fig07: The completed bend.*

The now completed hook is shown in Fig08.



*Fig08: The completed hook.*