

## Exhibition ready: *What does framed and ready to hang mean?*

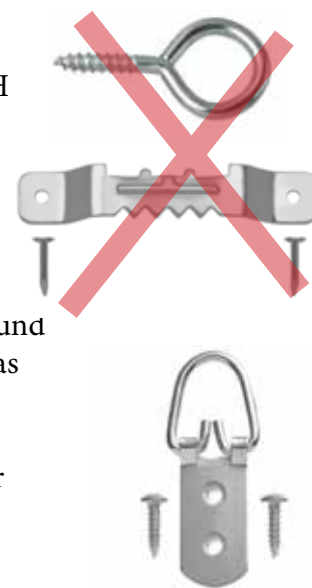
No matter what level artist you are you should begin using professional standards as early in your career as possible. Not only is it important for your personal development, but gallery owners will insist upon these standards being met. After all, any art collector or potential buyer willing to invest their money in an unknown artists work will be very discerning. The sale of your art, no matter how well executed or beautiful it may be, might just come down to how well your artwork adheres to exhibition standards.

All framed items as well as unframed stretched canvases **MUST** have appropriate hanging materials on the back.

It can not be said enough: Do not use EYE HOOKS as fasteners and NO SAWTOOTH HANGERS! And it goes without saying that bent nails, screws and screws with washers are unacceptable as well.



**For paintings:** Unframed canvas should have finished painted sides. Either the image from the front can wrap around the sides or the sides be painted a solid color. Exposed canvas or staples are not permitted. Frames can be very simple for contemporary work. Any of the following are acceptable: Plain wood (light, dark or painted black; no extra carving or details) with d-rings and wire on the back for hanging.



Metal section frames (silver, black or other neutral) with hangers and wire on the back.

Paintings can be strip framed with inexpensive 1/4" thick wood strips of 1 x 2 clear pine lumber. These can be left raw or painted a neutral color. They must have D rings and wire on the back.

The professional standard for all works of **art on paper** is: matted or mounted on white, offwhite or cream mat board (to match the tone of the paper) with a sturdy backing (mat board or foam board). Museums and galleries don't use color mats on contemporary art. Works on paper should not touch the glass.

Use linen tape if possible. White "flatback" and graphic arts tape are acceptable.

No sticky tape like scotch or masking tape.

Metal section frames (silver, black or other neutral) with hangers and wire on the back.

Use regular Single Strength glass or 1/8" Plexiglas.

Any **3D art** that is intended to be hung on the wall *must* have a sturdy and easy to understand hanging mechanism—NO SAWTOOTH HANGERS or EYE HOOKS! 3D art that is intended to be placed on a pedestal or on the floor should be labeled as such.

## Picture hanging material list

Most materials can be found at Home Depot, Lowes, your local hardware store or use my favorite, Amazon.com to buy in quantity.

### Phillips Screw Driver

Phillips screwdrivers work great because the design self centers on the screw and usually remains in place. There is less tendency to slip and strip the screw head or the screwdriver



### Heavy duty wire cutters



Diagonal Cutters

or



Linesman Pliers / side cutters

### Awl or Scratch Awl

Great low cost alternative for starting screw holes without the need for a power drill or drill bits.



### D-Rings and 30 lb test stranded picture hanging wire

15lb to 30lb will work for most paintings, coated or uncoated. Larger works or mixed media pieces may require a heavier test strength or D-rings that offer more hold. Be sure your D-rings come with, screws most do.



### Self-adhesive Felt pads

3/8" to 3/4" diameter pads are usually sufficient. Add these to the back side of the frame at the bottom, They help to keep the frame from scratching the wall and also allows air to circulate behind the painting.



## Properly Wiring Art for Gallery Presentation and Security

Properly wired art will hang parallel to the wall and will be attached to the wall in a manner that will allow the art to be levelled and remain that way. To hang properly, the unframed art or art frame must be wired properly. Emphasis should be placed on the word **wired**.

### Wire attachments

**Sawtooth brackets** should not be used. First, it is almost impossible to attach a sawtooth bracket so that the artwork will hang level—especially over time as vibrations allow it to move. Second, sawtooth brackets do not fit normal wall hanging clips in general use and particularly do not work well with adjustable museum and gallery hanging systems.

When properly wired, the wires are terminated on **D-rings**, such as those shown in the photos below. Notice that the screw attaching the D-ring to the stretcher or frame is oriented at 90 degrees to the direction of the pull and, thus, resists the tension of the wire much better than an eye hook. Eye hooks should never be used except on very small, lightweight items.

Holes for the screws should be drilled with a drill bit that matches the size of the shank of the screw, so that the threads cleanly spiral in between fibers without crushing them. The screw threads wind around the shank. If screws are forced into the wood without first removing wood of the shank diameter, the wood fibers will be crushed and the screw will pull out at about one-quarter or less of the full holding power of the screw when inserted into a properly drilled hole.

The D-rings must be attached high enough on the frame and the wire must be pulled tight enough that the art will hug the wall and not hang away from the wall at the top. How high to attach the wire and how tight to pull the wire is a function of the size and shape of the piece. Usually the wire is best placed between 3 and 4 inches from the top. It should be low enough to clear the frame or stretchers, but high and tight enough to hang close to the wall.

D-rings should be attached at the same level below the top of the art. This makes it easy to slide the painting from side to side on the wall hooks to get it level. It is particularly critical on heavy pieces, because heavy pieces are often hung directly from the D-rings themselves.

The most crucial part of wiring a painting is securing the wire properly. It can be a catastrophe when an improperly secured wire pulls loose and the painting drops to the floor. Security is everything. Many galleries will not hang improperly wired pieces because of the liability and, because they don't have the time or temperament to rewire the pieces, improperly wired pieces will be refused by the galleries. Improper wiring is grounds for rejection in juried shows.

### D-ring location

The process starts with marking the location of the holes to be drilled. See Figure 1. They should be the same dimension below the frame or stretcher. The distance down must be great enough that, when the wire is hung on the wall hanger, the wire will be located low enough that the inside of the frame or stretcher will be above the wall hanger, so the wall hanger does not push the painting out away from the wall, but not much more. The wire needs to be as high on the painting as it can get, consistent with

the need to keep the frame/stretcher above the wall hanger, in order to help the painting hug the wall. A loose wire mounted down too low helps in installing the painting, but the resulting fall-away from the wall detracts from the presentation of the painting.

*NOTE: Some wire manufacturers will suggest that attaching the wire about one-third down from the top of the painting and leaving enough wire to reach just below the frame or stretcher is correct. It is for them, because it sells more wire—and it certainly makes hanging easier—but it is absolutely not correct from the standpoint of properly presenting the painting to its best advantage.*

*A good rule of thumb is this: **if it is easy to hang the piece, you have too much wire.** It should be tight enough that you have a small amount of difficulty attaching the wire to the wall hanger—not a lot, but at least a little difficulty.*

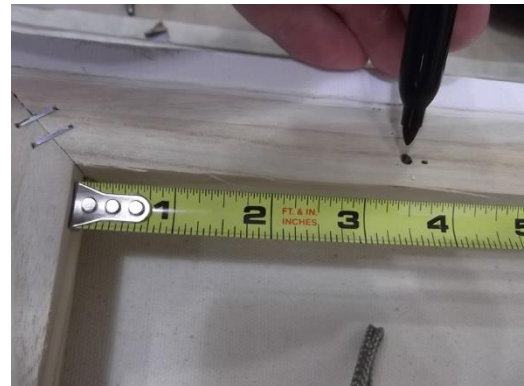


Figure 1. Marking the D-ring hole location

### **Wiring a medium sized or lightweight large painting with one wire**

The majority of paintings can be wired with one wire, because they are light enough for normal painting wire to hold them securely. A discussion of wiring heavy paintings will follow this discussion.

There are many choices of wire available. The basic choices to be made are (1) single strand or multi stranded wire, (2) coated or uncoated wire and (3) regular or high-strength wire.

A single strand can be used for very small paintings of light weight. However, multi-stranded wire can be used for any size and weight. In addition, a nick that might sever one strand of a multi-stranded wire could catastrophically affect a small single strand. Further, the stranded wire bends more easily than a single strand of the same strength.

Plastic-coated wire is preferred for three reasons. First, it does not corrode over time and mark the walls. Second, the plastic limits the opportunity for one of the strands to puncture the finger when tying it off or moving the painting. Third, it is often easier to move sideways in hangers to level the painting. Once in place, it can be more secure in the wall hanger(s) if the painting is bumped.

### **Wire security**

Wires cannot be leisurely run through a D-ring and wound back around the main wire. To do so puts the wire security in jeopardy. The vast majority of paintings that fall off of walls had improperly secured ends of the wire.

### **Securing the end of the wire**

First, run the wire from the spool through one D-ring and then about 5 inches through the opposite one. Do not cut the wire yet. In Figure 2, the wire has been brought about 5-6 inches through the second D-ring, looped down tight beside the main wire and brought under the main wire to start the lock.

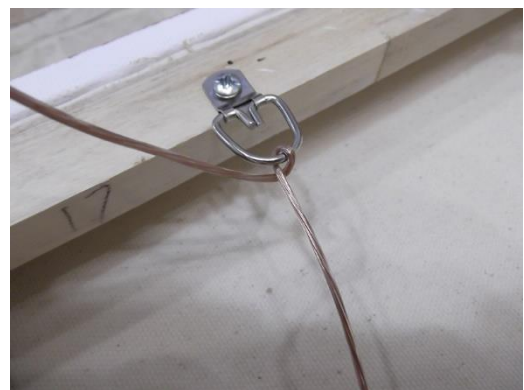
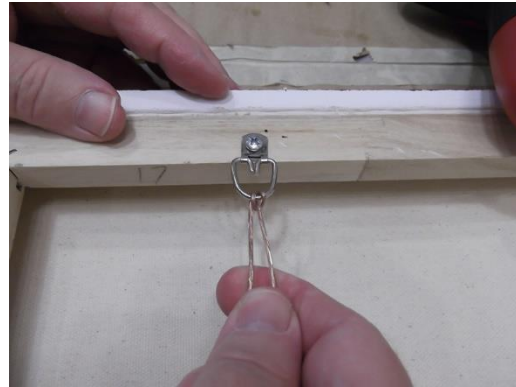


Figure 2. Starting to secure the wire

In Figure 3, the end is pulled up tightly against the D-ring and started back down through to make the lock. In Figure 4, the end is pulled tight to lock the end tightly. Tightness is critical.

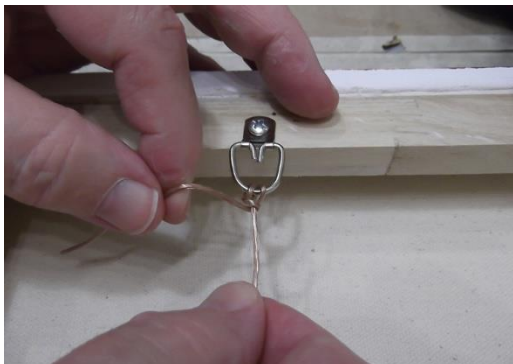


*Figure 3. Pulling the end up tight against the main wire and running it back through the D-ring*



*Figure 4. Pulling the end tight to form the lock*

In Figure 5, the end is circled tightly around the main wire to start the wrap. In Figure 6, the wrap is almost finished



*Figure 5. Starting the wrap*

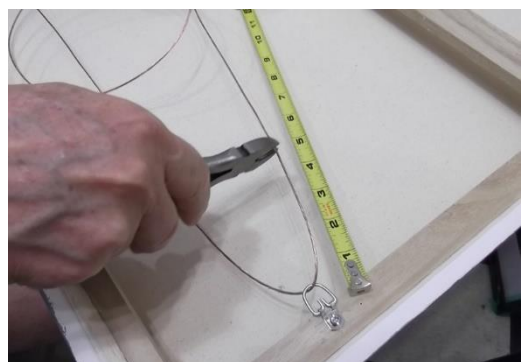


*Figure 6. Finishing the wrap—about 3/4 inch long*

In Figure 7, the end is bent toward the canvas and then cut off. In Figure 8, the wire is about to be cut about 5 inches beyond the other D-ring.



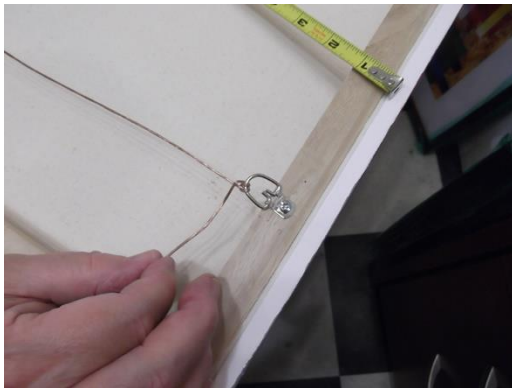
*Figure 7. Cutting off the excess*



*Figure 8. Ready to cut the wire and secure the 2nd end*



In Figure 9, the wire has been pulled tight and the end circled back under. In Figure 10, the first part of the lock stitch is made and the end is held tight between the fingers in preparation for stretching the wire.

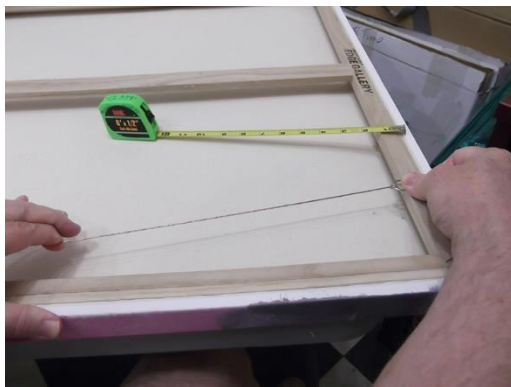


*Figure 9. beginning the lock stitch*



*Figure 10. Pulling the wire tight ready for stretching*

In Figure 11, the unwrapped end is held tight and the wire is stretched by pulling with a finger against the thumb. Depending upon the wire, significant stretching can occur. If so, pull the wire through the D-ring to tighten it and then wrap the end to secure it. After the end has been wrapped, pull it tightly upwards to make sure that (1) there is enough slack to be able to reach under and place the wire on its hanger and (2) the wire is tight enough to keep the bottom of the stretcher or frame above the wall hanger and keep the painting tight against the wall. Adjust if necessary.



*Figure 11. Stretch the wire before wrapping the end*



*Figure 12. Checking the final wire tightness*

### **Wiring a heavy or very wide canvas**

If the canvas is exceptionally wide or heavy, it should be separately hung by each D-ring. However, many wide or heavy artworks can be hung from wire but, because of the high tensions involved, may be easier hung with two normal wires than one high-strength wire. This also cuts down on the need to keep high-strength wire around.

To start the process, one length of wire must be cut long enough to run across the width of the painting **twice** plus a foot or more extra length on each end. The wider the painting, the more extra length will be

required, in order to provide enough extra wire to twist the two wires together across the painting and still leave enough at both ends to do the lock stitch and wrap to secure each end. See Figures 12 and 13.



*Figure 13. Wire is run through the left D-ring and both ends are cut long on the right*



*Figure 14. About a foot of extra wire is left on each end past the right D-ring*

The middle of the wire is then locked into place on the left D-ring. (this helps to limit catastrophes if one end slips). Notice that the D-rings used on heavy or wide stretchers or frames use two screws instead of one, in order to limit either splitting the wood or pulling screws out.

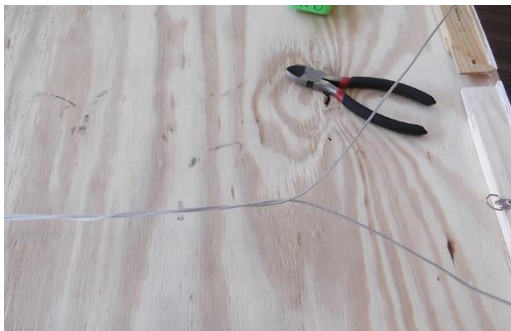


*Figure 15. Starting the lock stitch in the middle of the wire on the left D-ring*



*Figure 16. Lock stitch is completed in the middle of the painting*

Loosely twist the two wires together across the painting, as in Figure 17. Figure 18 is a little tight.



*Figure 17. Correctly twisted wire*



*Figure 18. Wire is twisted too tightly*

Start the lock stitch on each end, as in Figure 19. Then pull back through as in Figure 20.



*Figure 19. Starting the lock stitch on each end*



*Figure 20. Completing each lock stitch*

Hold the ends of the wires and pull to stretch the two wires and fully seat the lock stitch on the other D-ring, as in Figure 21. Make sure the stretched wire does not come up high enough to have the frame interfere with the wall hanger. Remove slack, if necessary. Then start to spread the wires starting at the end D-ring, as in Figure 22.

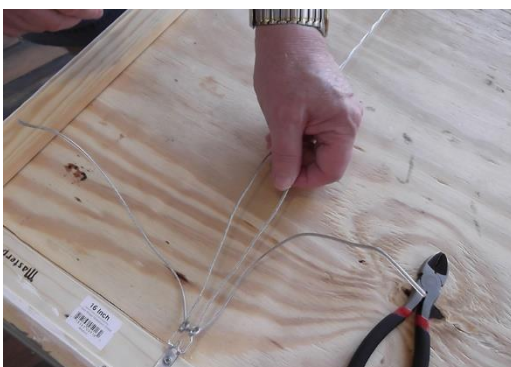


*Figure 21. Stretching the twisted wires*

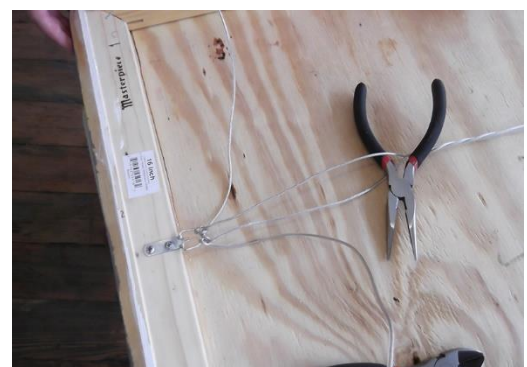


*Figure 22. Starting to spread the wires*

Spread the wires back far enough to get room to wrap each end, as in Figure 23. It may be useful to use something to keep the wires apart while wrapping, as in Figure 24.



*Figure 23. Spreading the wires to get room to wrap*



*Figure 24. Holding the wires apart with plier weight*



Each end is then wrapped in the normal fashion, as in Figure 25. With heavier paintings, use a longer wrap than that used with a lighter painting.

