Directions:

Chime Carillon is designed to be assembled from 3 major pieces - the base, the mechanism and the chimes themselves. I did this for both ease in setting the sculpture up and safety in shipping.

1. Screw the base piece to the wall in the desired location.
   - Screw in the upper left hand screw.
   - Level the top cross bracket.
   - Screw in the upper right hand screw.
   - Screw in the 2 lower screws.
   - Note: if the wall is sheetrock:
     - Unscrew the base piece.
     - Hammer the small plastic anchors into the screw holes.
     - Screw the base back in place.

2. Put the mechanism in place.
   - Put the "legs" of the mechanism behind the cross brackets on the base piece and slide the mechanism down until it comes to rest on the upper cross bracket.
   - If the fit is too tight loosen the upper base screws and then retighten them when the mechanism is in place.
   - Remove the elastic band from the mechanism. This is just for packing and shipping. It keeps tension on the mechanism strings so they don't get tangled.

3. Install the chimes.
   - Unscrew the bottom striker knob from the mechanism.
   - Slide the chime disk onto the threaded shaft.
   - Screw the striker knob back in place. Tighten securely.

- To operate:
  - To Wind
    - Turn the "S" winding knob clockwise 20 turns.
  - To Start
    - If the sculpture doesn't start after winding push the chime disk 1/4 turn in either direction.

- Note: The swinging motion of the chime tubes is governed by 2 factors, the speed of rotation of the chime disk and the angle at which the chime disk is held by the mechanism. When I test Carillon I mount it using a small bubble level and set the chime disk to dead level, both front to back and left to right. This results in the least amount of swinging action in the tubes and the quietest sounds. The swinging motion and sounds increase as the mechanism is shifted out of dead level. You can experiment with this and set the action to your individual taste by inserting thin pieces of paper or cardboard where the mechanism rests on the wall base to shift the mounting angle slightly. The different sound effects are quite interesting. Do not shift the angle too far or the swinging tubes will strike the wall or each other.
About Chime Carillon:

The inspiration for Carillon came at a craft show when I found myself located next to Woodstock Percussion, makers of the beautifully tuned wind chimes. I spent the week listening to their chimes and looking at my sculptures. By the end of the show I had decided to build a kinetic sculpture that combined motion and sound.

My goal was to create a sculpture that had an interesting visual motion and generated the soft random tones of a wind chime in a gentle breeze. I'm very pleased with the results, it does just what I'd hoped! It's somewhat more predictable than the wind but the tones created are random and quiet. Carillon operates by slowly rotating the chime assembly, the tubes tend to "fly out" from their common center as the rotational speed increases and then "fall back" as it slows and reverses. The action of the tubes on the center striker sends it randomly bouncing around between the precision tuned chime tubes generating gentle musical tones.

Specifications:

Limited Edition of 150
Size: 18"w x 29"h x 11"d
Power Source: negator spring
Approximate Run Time: 60 minutes
Materials: Hardwood Plywood, brass, bearings, string

About The Artist:

Mechanics and motion have always fascinated me. During college I studied physics, engineering and chemistry to further my understanding of how things worked. I graduated with a degree in physics from Boston University in 1974. This intuitive understanding of motion and mechanics combined with the artistic influences of my wife, Marji, led me to the creation of kinetic sculptures. In 1975 we started "Wood That Works" and I became a full time sculptor. Since then I have designed and handcrafted over 60 different limited edition and one of a kind sculptures. I have exhibited in numerous juried, invitational and group events. My work is displayed in galleries and private collections around the world. I currently maintain a studio in rural eastern Connecticut.