

About the Artist:

David C. Roy

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 200 different limited edition and one-of-a-kind kinetic 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 northeastern Connecticut.

Wood 
that Works

Silver Song • Directions

Kinetic Sculpture by David C. Roy
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To the Owner...

Hello,

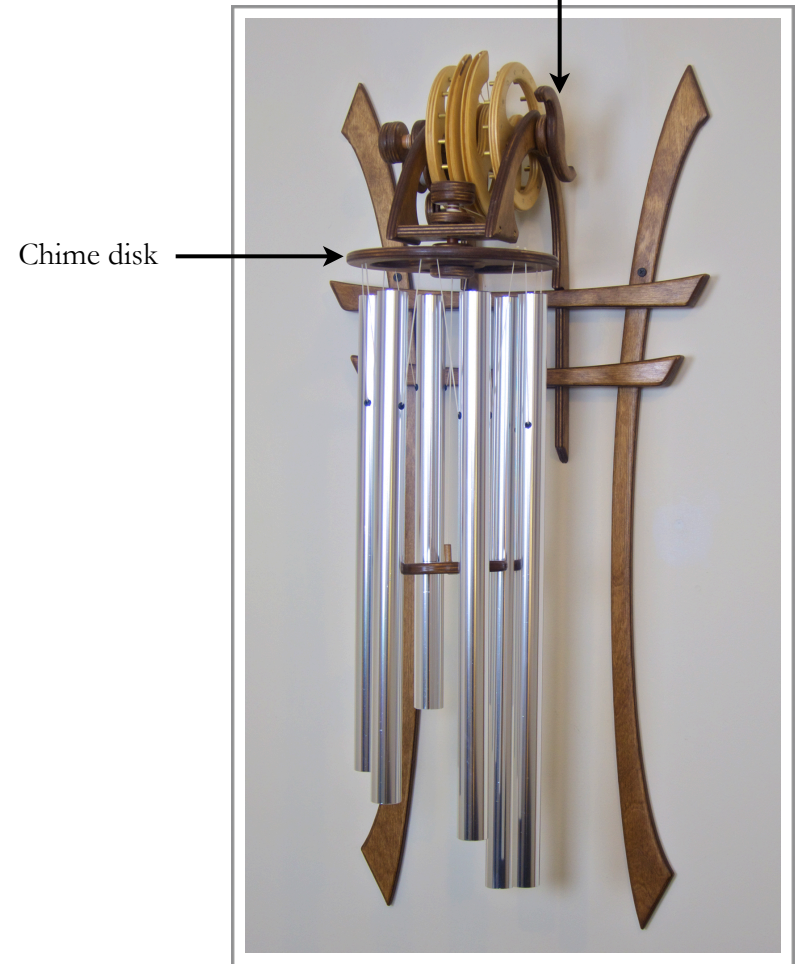
Welcome to the world of Wood That Works. This Silver Song is number _____ out of a possible 95 pieces. It was made by me during the month of _____ in 2012. I build, test and pack each sculpture myself, doing 6-12 pieces of an edition per month. It takes several years for me to complete an edition and some are never finished as I move on to new designs. Designing and building kinetic sculptures like Silver Song has been my full time occupation for more than 30 years. I hope Silver Song brings you and other viewers as much enjoyment as I've found in making it.

Silver Song has been mounted on a wall in my shop and running for at least 2 complete windings (several hours) before I pack it. I make every effort in design, construction and packing to make sure the piece will perform problem free for years to come. I use only the finest materials. Of course, problems can still occur no matter how hard I try to prevent them. My answer to this is a warranty to the original owner against defects in materials and workmanship for five years. See the guarantee section of this booklet for details.

It leaves me happy and satisfied to find that my work has made it's way into new lives. I hope it brings you years of enjoyment.

David C. Roy

To wind the sculpture insert you pointer finger here and turn the front wheel 35 turns clockwise until you see the red tape on the spring.



Directions:

To Wind:

- The first time you wind the sculpture make sure you hear a clicking sound. If you don't slowly back off the winding by reversing the winding motion. See the section on checking the stringing.
- Turn the "S" winding wheel clockwise 35 turns.
- Pay close attention to the string winding from the large spool to the small one as you wind the sculpture. Stop winding just before all the string is off the large spool. This will give you the longest run time. It is not necessary to wind the sculpture all the way up. Just over 10 turns will give about an hour of motion.

*Winding beyond this point may
damage the sculpture.*

To Start:

- If the sculpture does not start by itself after winding, gently 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 disk is held by the mechanism. When I test Silver Song 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.

Before Moving Sculpture:

- Always tape the spring-belt and strings in place before moving the sculpture. This will save a lot of aggravation when it is time to set the piece up again. I use blue painter's tape. Remove the chime tubes by unscrewing the striker knob. Tape all areas with string so the string will not slip off pulleys.

About Silver Song:

It all started with a dream. *Silver Symphony* was my dream sculpture. I designed it without regard to practical considerations. Reality is that I now have a sculpture I love but one that is too large to fit into our house! Thus a new challenge unfolded.

I decided to revisit a much smaller chime concept I had worked on in the late 1980's. The challenge was to combine the original mechanism with all I had just learned from creating *Silver Symphony*. I wanted to create a much smaller piece that incorporated the same relaxing ambiance and subtle sounds I had come to enjoy with the larger design. I also included new technologies to increase run time and reliability. After combining all those challenges I created *Silver Song*, a delightful musical kinetic sculpture that fits reality!

The chimes used are the Woodstock Percussion Olympos Chimes which are tuned to an ancient Greek Pentatonic scale.

Specifications:

Size: 29.5"h x 14.5"w x 10.5"d

Power Source: negator spring

Approximate Run Time: 2+ hours

Materials: hardwood plywood, bearings, string

Silver Song ©2010

Guarantee:

- My kinetic sculptures are guaranteed to the original owner for a period of five years. All warranties expire with transfer of ownership from the original owner. Damage of the sculpture from exposure to extremes of high or low humidity, or to adverse hot or cold temperatures, or damage caused by normal wear and tear, accidents, misuse, or modification will not be covered by the warranty. Shipping and insurance to and from Wood That Works is the responsibility of the purchaser.
- I will charge a reasonable repair fee if the sculpture was damaged by misuse or needs refurbishment from normal wear and tear.

Directions:

To Mount on Wall:

- Silver Song 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.
- Screw in the upper left hand screw,
- Level the top cross bracket using a small level. A string level works.
- Screw in the upper right hand screw.
- Note: If the wall is sheetrock use plastic anchors.

To Place Mechanism:

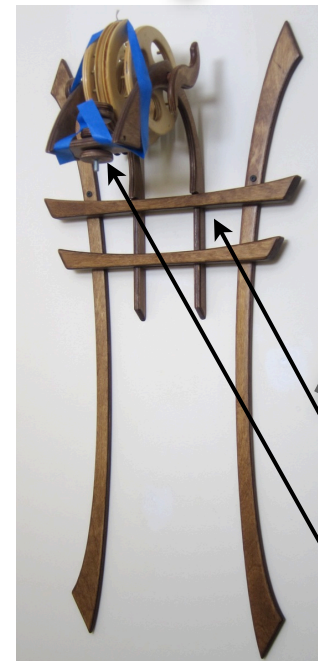
- Put the “legs” of the mechanism behind the cross brackets on the base piece and slide the mechanism down until it comes to rest on the upper cross bracket.
- If the fit is too tight loosen the upper base screws and then retighten them when the mechanism is in place.
- Remove the tape from the mechanism.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

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.
- Check this striker knob periodically to make sure it doesn't work its way lose.

Check the strings:

- If you don't here a clicking sound when you start to wind the sculpture slowly unwind the spring in the reverse winding motion then check the strings. They have probably come undone.
- Check that the strings are in the correct positions. There are two strings, one to each crescent wheel. The left hand crescent wheel's string is attached to the lower part of the chime spool. The right hand crescent string is attached to the upper part of the chime spool. When the left hand crescent is pushed down so that all of its string is removed from the spool there should be 3 coils of of the right hand string around the upper part of the spool.



1. Level this edge while attaching the base to the wall.



2. Slide the mechanism behind the bracket..

3. Unscrew the bottom striker knob and slide on the chimes.