

## About the Artist:

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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 100 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

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## Willow Wind • Directions

Kinetic Sculpture by David C. Roy  
©2009



## To the Owner...

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Hello,

Welcome to the world of Wood That Works. This Willow Wind is number \_\_\_\_ out of a possible 6 pieces. It was made by me during the month of \_\_\_\_\_ in 2009. I build, test and pack each sculpture myself. 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 Willow Wind has been my full time occupation for more than 30 years. I hope Willow Wind brings you and other viewers as much enjoyment as I've found in making it.

Willow Wind has been running for at least 2 complete windings (many 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 additional 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



### Before Moving Sculpture:

- Always tape the spring-belts in place before moving the sculpture. This will save a lot of aggravation when it is time to set the piece up again.
- Use blue painter's tape and tape each belt to each wheel and to itself in multiple locations.
- Remove the bird assemblies before moving the sculpture.

## Directions:

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### To Wind:

- Place a finger in the notch between the rim and the spoke and wind the winding wheels counter clockwise until you see the red warning tape. This is about 23 turns. Wind both sides.
- Pay close attention to the top of the light colored wood spool directly behind the winding wheel. Stop winding as soon as you see the red tape appear on the metal band. This is placed about 1 turn from the end. Winding beyond this point may damage the sculpture.

### To Start:

- If the sculpture does not start after winding push the interior arm of the upper assembly (the one with only one bird attached) counter clockwise about a half turn. This will engage the mechanism and start the motion.
- Try to avoid starting the "bird" forms swinging when starting the sculpture. It takes quite a while for them to settle down.
- The two sides of the sculpture will run for different amounts of time due to the nature of the mechanisms.

### 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.

## About Willow Wind:

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Willow Wind is my first free standing sculpture in 10 years, and my first large free standing piece in over 30! Clearly I've preferred working "on the wall." Why the change? It started with an off hand comment from my daughter that she liked watching their sculpture, Merengue, from the side. I agree, and like watching many of my sculptures from the side, especially the ones with what I call the "bird motion."

It didn't seem right to suggest that people place their head up against the wall to watch a sculpture from the side, so the idea of taking the sculpture off the wall started percolating. The more I thought about it the more I liked it, not only would it present a new view of the sculpture but I would no longer be restricted to just two or three layers. I could use as many layers as I wanted!

I started playing with ideas on the computer and was soon drawn back to one of my earlier favorite "bird" sculptures, Harmony. It combines "birds" and the creation of interesting patterns. What would happen if I put them back to back and had six birds? I liked what I saw and decided to pursue it.

The final result is Willow Wind. It has opened up another world of "off the wall" possibilities that I'm looking forward the exploring.

## Specifications:

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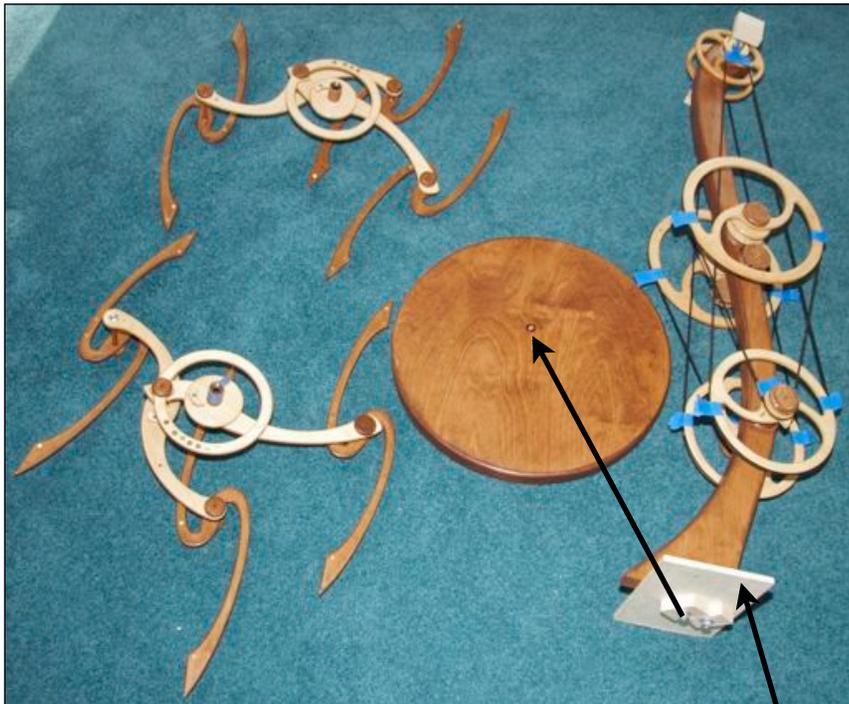
Limited Edition of 6  
Size: 65"h x 45"w x 25"d  
Power Source: negator spring  
Approximate Run Time: 10 hours  
Materials: hardwood plywood,  
bearings, string  
Willow Wind ©2009  
Patent No. 4637152

## Directions:

### To Unpack and Assemble

Willow Wind ships in two boxes, a large box with most of the sculpture and a smaller box with the round base of the sculpture. I separated the parts to keep the weight of the large box down and so that the round "foot" of the sculpture won't damage the other parts during shipping.

- Unpack all the parts.
- Do not remove the tape holding the belts in place.
- Remove the protective plate from the bottom of the upright base by unscrewing the nuts. Save the nuts and washers.
- Place the round bottom base on the floor. Pick up the upright base and slide the bolts into the holes in the round base. I've circled one hole and colored the matching bolt black.



Protective Plate



- Lay sculpture down as shown.
- On the bottom of the base, place the washers on the bolts followed by the nuts. Tighten securely using a ?? wrench.
- Stand the sculpture up.
- The bird assemblies need to go on the correct side of the sculpture. They are marked A and B for that purpose. Remove the marking tape before sliding the assemblies into place.
- Carefully slide the bird assemblies onto their respective axels. There are two bearings in the sleeve, make sure you get the axel through both of them.
- Remove the tape securing the belts.