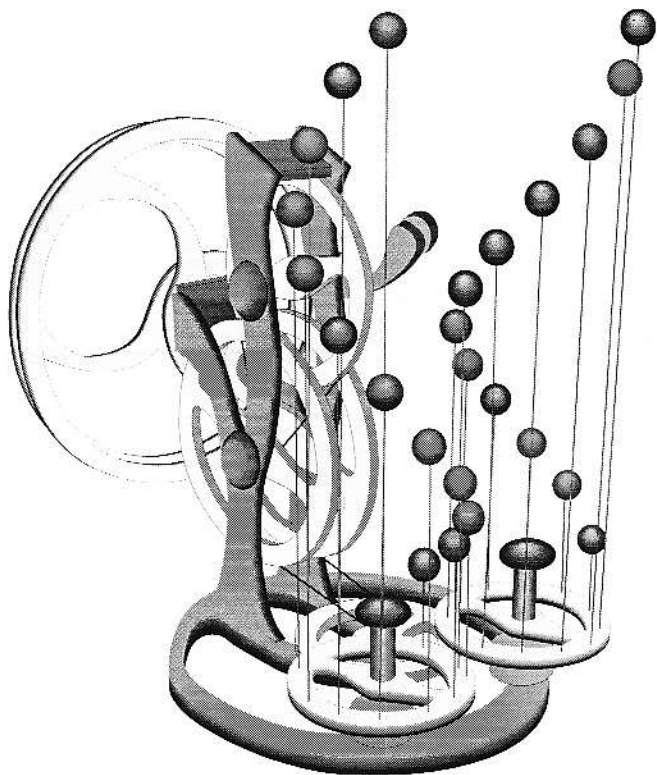


# Symphony

---

## Directions

Kinetic Sculpture by  
David C. Roy  
© 1991



## To the Owner:

---

*Hello,*

*Welcome to the world of Wood That Works. This Symphony is number \_\_\_\_\_ out of a possible 36 pieces. It was made by me during the month of \_\_\_\_\_ in 1991. I build, test and pack each sculpture myself, doing 6 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 Symphony has been my full time occupation for more than 14 years. I hope Symphony brings you and other viewers as much enjoyment as I've found in making it.*

*Symphony has been operated 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.*

*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*

## About Symphony:

---

*Symphony* has been "in the works" for more than a year. I started by "playing" with various spiral forms in a new 3-dimensional computer program. I was intrigued by the way the balls seemed to dance in space, loosing their connection to the thin brass rods. Duplicating a second spiral next to the first is a simple operation on the computer. It opened a whole new level of motion and illusions that varied according to the angle from which the spirals were viewed.

What was simple to create on the computer proved to be challenging to actually build. The spiral forms are tall and unbalanced and required a new type of bearing. I wanted the spirals to rotate at a similar rate but not identical rate so the various phases of their interaction would be visible. This required that they be "pushed" intermittently with about the same amount of force and then be allowed to freely rotate.

After several attempts everything came together and *Symphony* was born. The name was chosen more because the nature of the piece requires all the parts to move together to create the patterns of motion than for any musical implications.

## Specifications:

---

Limited Edition of 36

Size: 24"h x 15"w x 20"d

Power Source: negator spring

Approximate Run Time: 1 1/2 hours

Materials: Hardwood plywood,  
brass, bearings, string

Symphony © 1990

Patent No. 4637152

## Directions:

### Install Spiral Wheels

- Symphony is shipped with the spiral wheels packed separately in order to protect both the wheels and the bearings.
- Installation is simply a matter of sliding the wheels down over the correct left or right pin bearing.
- The bottom of each wheel is marked with a small "R" for right and "L" for left.
- Place the sculpture base in the orientation shown in the drawing to the right.
- **Carefully** slide the left and right wheels down over the left and right pointed pins.
- *Caution: The spiral wheels must be held vertical while slowly and carefully sliding them onto their pins. The pin must go through 2 horizontal bearings before coming to rest on a steel ball. Note the detail drawing to the right.*

### The Belts

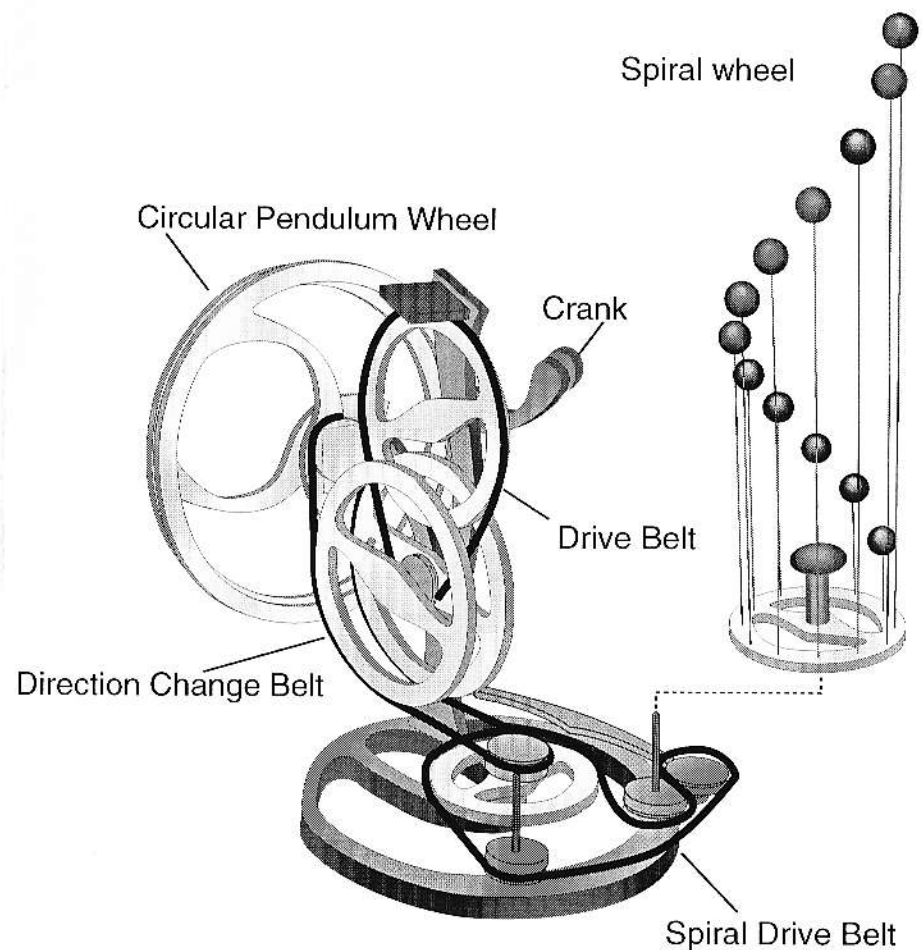
- I have packed the sculpture with the belts secured in place. If they come off in shipping please use the diagram to reinstall them.

### To Wind

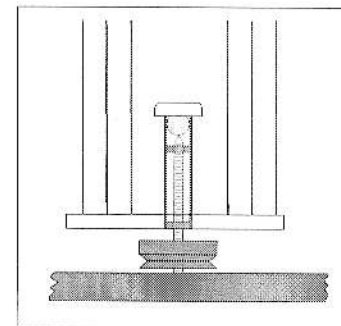
- Turn the winding crank clockwise 20 turns. (Clockwise while facing the winding crank side of the sculpture.)

### To Start

- If Symphony does not start immediately after winding, gently turn the pendulum wheels counter-clockwise and release.



Spiral Bearing Detail  
(Cut-away side view)

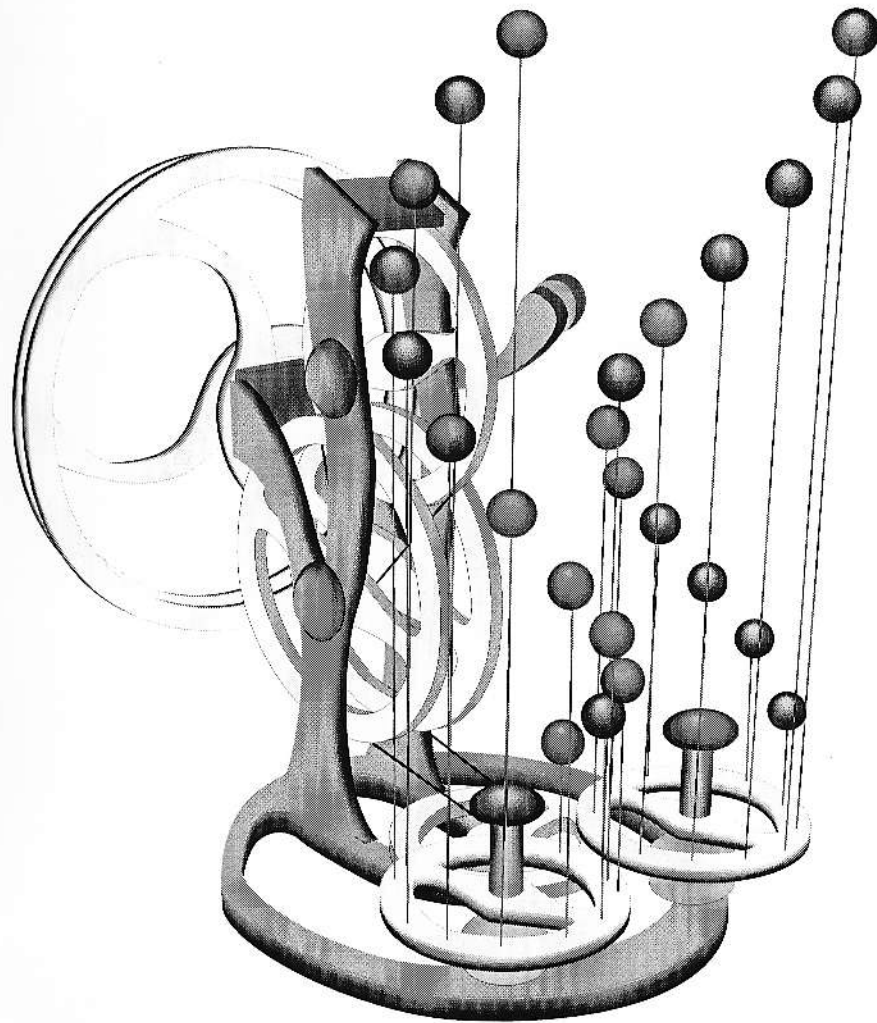


## Directions: (continued)

---

### To Repack the Sculpture

- Remove the spiral wheels from their pin axles and pack them separately.



## 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 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 eastern Connecticut.