

## About The Artist:

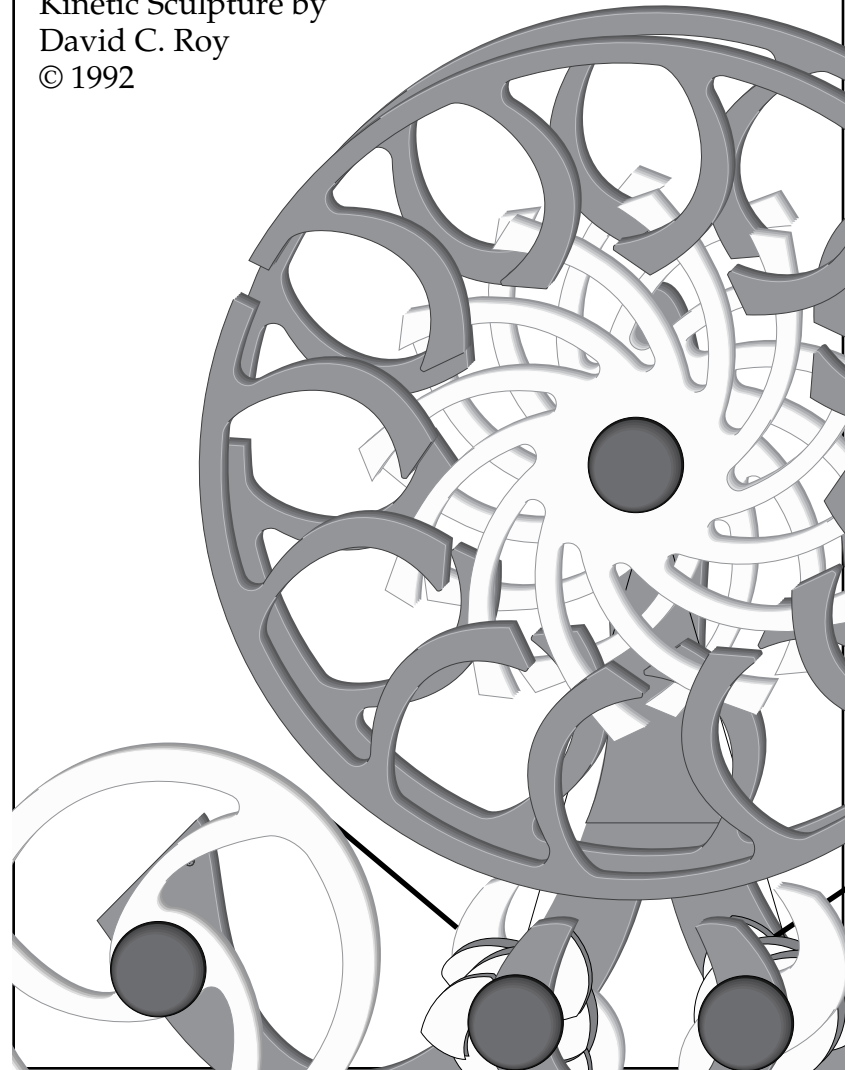
Mechanics and motion have always fascinated me. During college I studied physics, engineering and chemistry to further my understanding of how things worked. I graduated with a degree in physics from Boston University in 1974. This intuitive understanding of motion and mechanics combined with the artistic 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.

# Leo

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## Directions

Kinetic Sculpture by  
David C. Roy  
© 1992



## To the Owner:

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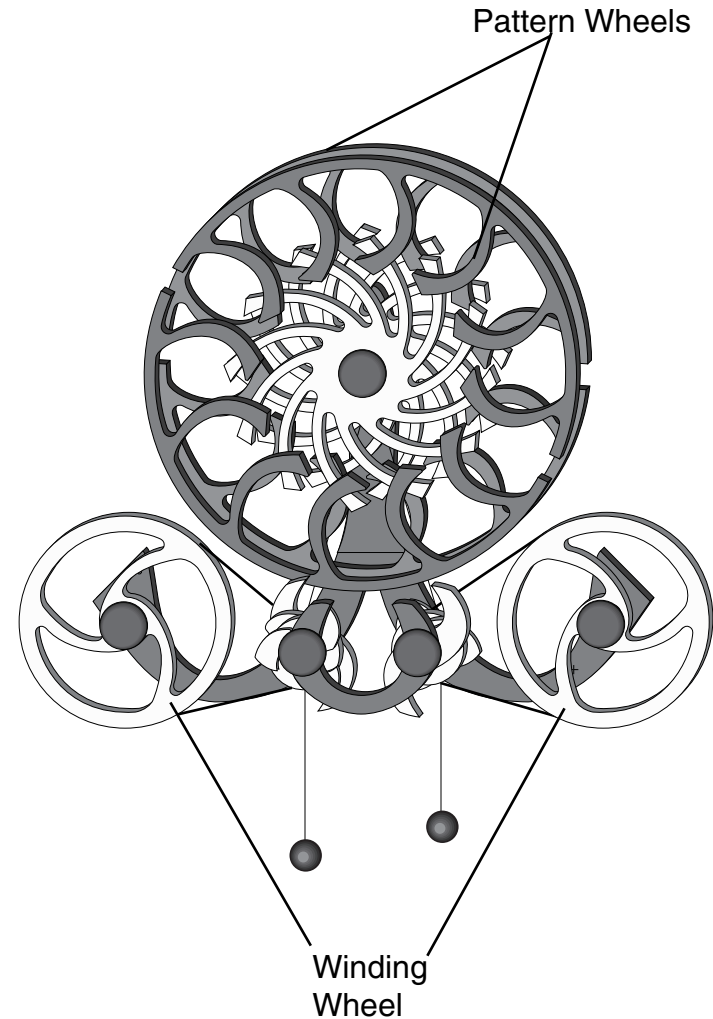
Hello,

Welcome to the world of Wood That Works. This Leo is number \_\_\_\_\_ out of a possible 150 pieces. It was made by me during the month of \_\_\_\_\_ in 1992. 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 Leo has been my full time occupation for more than 15 years. I hope Leo brings you and other viewers as much enjoyment as I've found in making it.

Leo 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 lifetime warranty against defects in materials and workmanship. If the sculpture fails to work properly at some time in the future for some reason other than misuse or calamity, I will repair it free of charge. The sculpture needs to be returned to me post paid. After the first year I will charge for return shipping and, if necessary, packing 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



## Directions:

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### To Wind

- Caution: Rapid, noisy winding may damage the mechanism. Wind gently.
- Turn the left-hand large pulley wheel clockwise 20 turns.
- Turn the right-hand large pulley wheel counter clockwise 20 turns.
- NOTE: The left and right-hand sides of the sculpture can be wound at the same time.

### To Start

- GENTLY turn both patterning wheels several revolutions in either the clockwise or counter-clockwise direction until each of their respective mechanisms engages.

### Please note:

- Each patterning wheel is powered by its own spring and mechanism. They each run at slightly different speeds causing the patterning to move in and out of phase. They will also run down at different times, some times by as much as 10 to 15 minutes. This is normal.

### Guarantee

- Workmanship and materials are unconditionally guaranteed. I will repair the sculpture without charge if it is returned post paid.
- I will charge a reasonable repair fee if the sculpture was damaged by misuse.

## About Leo:

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I always name my sculptures. Occasionally the piece just takes on a name as I'm working on it. Other times the name changes as the sculpture evolves through the various stages of development. I called Leo "Dark Light" in some of the first drawings because I was concentrating on the combination dark and light patterning wheels. The name became "Bouncer" as I worked on the twin mechanisms because of the way the little balls bounced up and down. The name *Leo* came about because the final piece reminded me of a lion mane.

Twin mechanisms power and control *Leo*. Each mechanism governs one upper patterning wheel by pulling on a string attached to a spool and then releasing it. Each wheel is independent of the other and rotates at a slightly different pace. The patterning between the wheels is constantly evolving and changing as the wheels move in and out of phase with each other.

*Leo* makes quiet clicking sounds as the small pawl levers catch and release. *Leo* "roars" a bit as it's wound but then settles down for a run of several hours.

## Specifications:

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Limited Edition of 150  
Size: 30" w x 24"h x 6"d  
32" in height needed to accommodate ball drop  
Power Source: negator spring  
Approximate Run Time: 3-3 1/2 hours  
Materials: hardwood plywood, bearings, string  
Leo © 1992  
Patent No. 4637152

## Directions:

### To Mount on Wall:

- DO NOT remove the tape holding the strings in place
- Hold the backboard in the desired location against the wall. Level the bottom edge.
- Place a sharp instrument through the screw holes, marking their positions on the wall.
- Drill pilot holes. If the wall is sheetrock or plaster use plastic anchors.
- Screw the sculpture to the wall.
- Remove the tape.
- Remove the tape holding the left-hand ball and string in place around the left-hand drive wheel. Unwind the string and wooden ball and let the ball hang straight down from the left-hand mechanism as shown.
- Remove the tape holding the right-hand ball and string in place around the right-hand drive wheel. Unwind the string and wooden ball and let the ball hang straight down from the right-hand mechanism as shown.

### Note:

Wind the strings and balls around their respective left and right-hand winding wheels before repacking or moving the sculpture. This will maintain tension on the strings and prevent them from tangling when moving the sculpture. This can save a lot of aggravation when it is time to set the piece up again. See the diagram for the best winding and tape locations.

Mounting Template

