

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

Apollo • Directions

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

Hello,

Welcome to the world of Wood That Works. Apollo is a one-of-a-kind sculpture. It was made by me during the month of _____ in 2007. I build, test and pack each sculpture myself. Designing and building kinetic sculptures like Apollo has been my full time occupation for more than 30 years. I hope Apollo brings you and other viewers as much enjoyment as I've found in making it.

Apollo 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



Directions:

To Wind:

- Turn the winding wheel counter-clockwise 22 turns.
- 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 by itself after winding, gently push both dark patterning wheels in a clockwise direction.

To Stop:

- Slow the motion of dark the patterning wheels with your hand and let them come to rest with their heavy sides down.

Before Moving Sculpture:

- Always tape the spring-belts 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.
- See the diagram for the best tape locations. They are shown as gray rectangles.
- Remove the large patterning wheels before taking the sculpture off the wall in a reverse procedure to the installation.
- Never lay the sculpture on a horizontal surface for a long period of time without supporting the patterning wheels. I use crumpled newspaper to support and separate the wheels when packing the sculpture.

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 Apollo:

Apollo is a larger version of Sun Dance. Only one was made.

The idea for Sun Dance came to me as I was working on Sky Dance. I was playing with the Sky Dance fan shaped carrying wheels when I noticed the way a fan seemed to spread and collapse when the wheels were oriented in the same direction. I went back to the computer and started exploring ways to use the “fan effect.” A surprise spiral patterning effect showed up in the animations when I drew in a fixed orientation circular floating “bird” made up of arcs that, although thinner, matched the carrying wheel arcs.

I love “discovering” new visual patterning effects and end up spending many hours studying and staring when I find one. My understanding of the patterns then helps me to develop a mechanism to show them to best effect.

Specifications:

One-of-a-kind

Size: 54” h x 41”w x 9” d

Power Source: negator spring

Approximate Run Time: 12 hours

Materials: hardwood plywood, brass, bearings, string

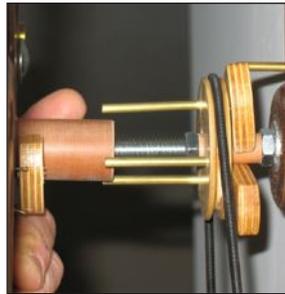
Apollo © 2007

Directions:

To Mount on Wall:

- DO NOT remove the tape holding the spring-belts in place.
- Hold the lower mounting template in the desired location against a wall. Level the bottom edge. Use two screws and temporarily screw the template to the wall. The diagram shows the relationship of the template to the sculpture to guide you in positioning the sculpture on the wall.
- Hold the top template along the top of the bottom template as shown in the diagram. Mark the holes. Mark the hole locations in the bottom template.
- Remove both templates.
- Drill pilot holes. If the wall is sheet rock or plaster use plastic anchors.
- Screw the base of the sculpture to the wall.
- Remove the tape holding the spring-belts in place.

- Remove the knob from the top shaft of the base.
- Slide the upper mechanism onto the upper shaft. Note: There are two bearings in the upper mechanism that have to slide over the upper shaft. Keep the upper mechanism properly aligned as you slide it in place. Jiggle the ratchet piece so it doesn't hook on the brass pins.



- Screw the knob back in place. You can reach it from the right side as shown in the photo. Finger tighten only! The wheel assembly should be able to slide back and forth on the shaft. If you over tighten the piece will bind and not operate properly.



Note: These images are from a different sculpture but the process is the same.

