

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 80 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

Rhapsody • Directions

Kinetic Sculpture by David C. Roy

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To the Owner...

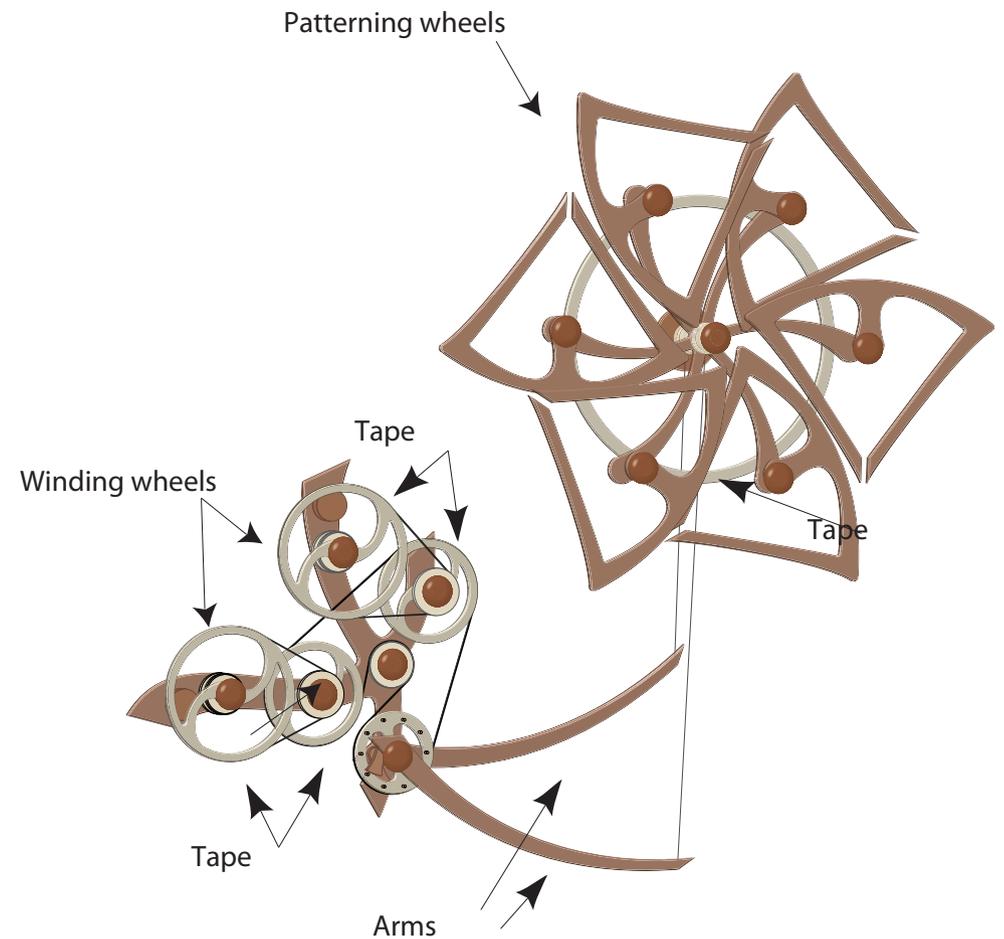
Hello,

Welcome to the world of Wood That Works. This Rhapsody is number _____ out of a possible 24 pieces. It was made by me during the month of _____ in 1999. 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 Rhapsody has been my full time occupation for more than 20 years. I hope Rhapsody brings you and other viewers as much enjoyment as I've found in making it.

Rhapsody has been mounted on a wall in my shop and running for at least 10 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



Directions:

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.

Correct Installation of the Spring-Belts:

- Three spring-belts power and control the motion of this sculpture. It is easy to reinstall the small belts if they become knocked loose during shipping or installation. The longer belt takes a more involved path and can be a challenge to reinstall without the proper directions.
- Spring-belts tend to have minds of their own and it sometimes helps to have an extra pair of hands to install the long one.
- The long belt passes behind the smaller ones. The first step is to remove the small ones so they are out of the way. Refer to the diagram at the right and remove the small belts by popping them out of the pulley slot. Make sure you hold the drive wheel and release any stored spring tension slowly.
- Install the long belt following the pattern show in the diagram to the right. This can be frustrating and another set of hands is very helpful.
- Reinstall the short drive belts.

About Rhapsody

Rhapsody is a breakthrough sculpture incorporating a dramatically new type of patterning that I "discovered" while playing on the computer. Each wedge shaped piece is balanced so that its orientation remains fixed in space. The 6 wedges are attached to a common wheel and allowed to rotate freely so each will retain its unique orientation regardless of the motion of the carrying wheel. This carrying wheel is rotated several revolutions in the clockwise direction, slows, and reverses to rotate back several turns. The continuously unfolding kaleidoscopic patterning that results is hypnotic and fascinating.

The patterning part of the sculpture is powered by a double negator spring mechanism that keeps the motion going for nearly 14 hours of silent, captivating enchantment.

Specifications:

Limited Edition of 75

Size: 54"h x 56"w x 6.5"d

Approximate Run Time: 14 hours

Materials: hardwood plywood, bearings, string

Rhapsody © 1998

Directions:

To Mount on Wall:

- DO NOT remove the tape holding the spring-belts in place.
- Hold the left side mounting template in the desired location against a wall. The diagram shows the relationship of the template to the sculpture to guide you in positioning the sculpture on the wall. Please note the minimum clearance dimensions are shown at the edges of the template.
- Level the bottom edge of the template.
- Place a sharp instrument through the screw holes, marking their positions on the wall. If you are working alone it is helpful to temporarily pin the left side mounting template to the wall using 2 of the mounting screws placed through the upper and lower mounting holes of the template.
- Hold the right hand template against the left hand template and align the marking stripes. Note that the right hand template is offset 6 inches higher than the left hand one. Mark the screw holes on the wall.
- Remove both templates.
- Drill pilot holes. If the wall is sheetrock or plaster use plastic anchors.
- Screw the left and right sides of the sculpture to the wall.
- Attach the inner string hanging from the right hand side of the sculpture to the arm closest to the wall. Place the string under the screw eye closest to the end of the arm and the loop the end of the string over the other screw eye.
- Attach the outer string to the outer arm in the same matter.
- Remove the tape holding the strings to the upper mechanism.
- Remove the tape holding the spring-belts in place.

To Wind:

- Turn the upper and lower winding wheels counter-clockwise 20 turns.

To Start:

- If the sculpture does not start by itself after winding, gently push down on the arm that is in the uppermost position.

Mounting template

