

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 150 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

Swoop • Directions

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

Hello,

Welcome to the world of Wood That Works. This Swoop is number _____ out of a possible 95 pieces. It was made by me during the month of _____ in 2013. 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 Swoop has been my full time occupation for more than 35 years. I hope Swoop brings you and other viewers as much enjoyment as I've found in making it.

Swoop has been mounted on a wall in my shop and 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 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



Patterning Wheels

Winding Wheel

Insert pointer finger here to wind.

Directions:

To Wind

- Turn the winding wheel in a counter-clockwise direction.
- 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 immediately after winding, gently push both patterning wheels in a counter clock-wise direction.

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 Swoop:

One of my fondest childhood memories was seeing a small Kodak yellow box arrive in the mail. This meant a movie night. My parents would haul out the 8mm movie projector and screen and we'd revisit about 2 minutes of silent scenes a few weeks or months old. Following the new movie we'd all get to pick one of our favorites from the collection. To the collective groans of my parents and siblings I invariably saved my pick for the one commercial movie we owned, *Howdy Doody - A Trip to Funland*. This was a silent, black and white movie about a magic trip to a carnival that I consider my first inspiration to a life spent making kinetic sculptures.

What does this fond bit of memory have to do with this sculpture? If you view this YouTube clip you will see. (of course it was there when I looked) starting at 6:42. The clip is located here:

<http://youtu.be/BWbGcAfZnWM?t=6m42s>

but there is a direct link from the Swoop page on my website at www.woodthatworks.com

There is a brief scene involving a swing that goes higher and higher and eventually makes it all the way around. (Every kids fantasy?) The memory of this motion has stayed with me. Over the years I've tried several different ways of replicating it but with no success. With Swoop I think I've finally solved the problem.

Specifications:

Limited Edition of 95

Size: 29"h x 23"w x 5"d

Power Source: negator spring

Approximate Run Time: 10 hours

Materials: hardwood plywood, bearings

Swoop ©2013

Directions:

To Mount on Wall:

- DO NOT remove the tape holding the belt in place
- Hold the backboard in the desired location against the wall. Level the bottom edge. Use a level. Save this template.
- 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 holding the drive belt in place.

Before Moving Sculpture:

- Make sure the power spring is unwound.
- 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. Blue Painter's tape works well.
- See the diagram for the best tape locations.

