

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

Spirit • Directions

Kinetic Sculpture by David C. Roy
©2019



To the Owner...

Hello,

Welcome to the world of Wood That Works. This Spirit is number _____ out of a possible 75 pieces. It was made by me during the month of _____ in 2020. I build, test and pack each sculpture myself, doing 6 pieces of an edition per month. Designing and building kinetic sculptures like Spirit has been my full time occupation since 1975. I hope Spirit brings you and other viewers as much enjoyment as I've found in making it.

Spirit 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 three years. See the guarantee section of this booklet for details.

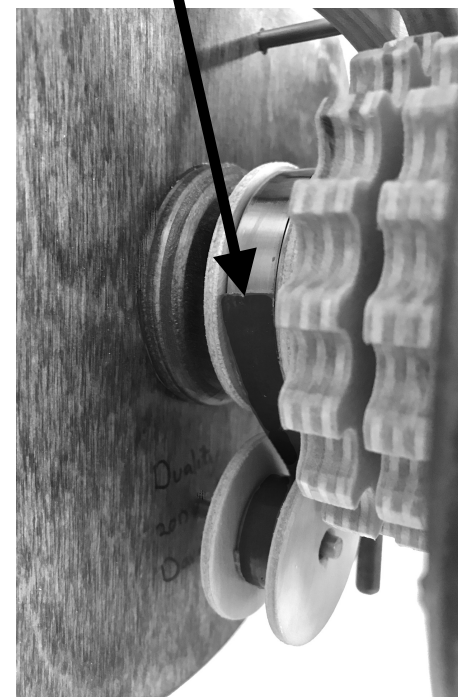
It leaves me happy and satisfied to find that my work has made its way into new lives. I hope it brings you years of enjoyment.

David C. Roy

Red Tape

Subsequent windings:

- Wind in the same manner as the first winding but for more turns.
- After about 15 turns you will see the first set of colored warning tapes. SLOW DOWN the winding pace. After another 5-9 turns you will see red warning tapes. STOP WINDING. A full winding is about 23 turns in a clockwise direction.
- It is easy to wind the sculpture too quickly. If you wind beyond the red warning tape you will reach the end of the spring and may cause possible damage.
- CAUTION: Over-winding the sculpture can break the spring. Make sure you turn the back wheel slowly enough so you can stop its motion before you reach the red tape at the end of the string.
- Never manually release any of the levers on the sculpture when it is wound. Doing so will release the spring and definitely cause damage.



To Start

- If the sculpture doesn't start moving on its own when you finish winding, gently push both wheels clockwise until you hear a click from the mechanism.
- The sculpture will make 1 soft click per revolution and a somewhat louder click periodically when the mechanism pushes the wheels.

Directions:

To Wind

Important First Time winding instructions:

- The first time you wind up this sculpture after unpacking requires special attention. Shipping may have caused parts to move unexpectedly.
- First look for obvious things that might have come out of alignment in shipping
- Only wind the spring **TWO** turns for the first run.

Winding First Time:

- The technique for winding Spirit requires that both of the patterning wheels are turned clockwise to wind the spring.
- Move the front wheel so that you can reach through the large space and access the dark portion of the back wheel with your finger.
- Wind the back wheel clock-wise. The front wheel will catch up and bump your wrist.
- Turn both wheels together in a clock-wise direction. Only wind **TWO** turns this first time.
- Make sure the metal band is winding inside the larger light colored spool. If it isn't, shift it so that it does. It should be fine for all future windings. A short run will show you if parts slid out of alignment during shipping.
- If it doesn't run as expected email David at woodthatworks@gmail.com



About Spirit:

I'm often asked if I can make sculptures for smaller rooms. Over the years my sculptures have grown. Sculptures with larger wheels have more momentum and can run more slowly. This fit with my desire to create graceful, slow moving and long running sculptures. But the idea of creating a smaller piece that retained the feel of the larger ones was a challenge. This is the time of my life for taking on new challenges and this seemed like a fun one.

The asymmetrical fan/arc wheel design is one of my favorites. The first time I tried this type of wheel was on a sculpture called Dragon in 1989 and the first self contained sculpture is called Wings from 1991. Another favorite is Tapestry from 1999 but I think the most successful design was my sculpture Nautilus in 2014. I started a project called "Tiny Nautilus".

I redesigned a Nautilus type wheel with the idea of making a 20 inch diameter wheel. Why 20 inches? When I started making sculptures all the wheels had to fit within 20 x 20" wood blanks. For nostalgic reasons it seemed a good place to start. In the end I didn't quite make it. Spirit's wheels are 22 inches in diameter. Wheels smaller than that just didn't have enough momentum to trigger the type of self contained mechanism I wanted to use. Even with 22" I had to rework the mechanism to achieve the kind of slow graceful motion I wanted.

My 5 (at the time) year old granddaughter told me she liked this sculpture because it made hearts. So for a time I thought Hearts might work as a name but no one liked it. Naming is hard. In the end we settled on the name Spirit but Nostalgia might have been a good name also.



Specifications:

Size: 22" diameter x 6"d

Power Source: negator spring

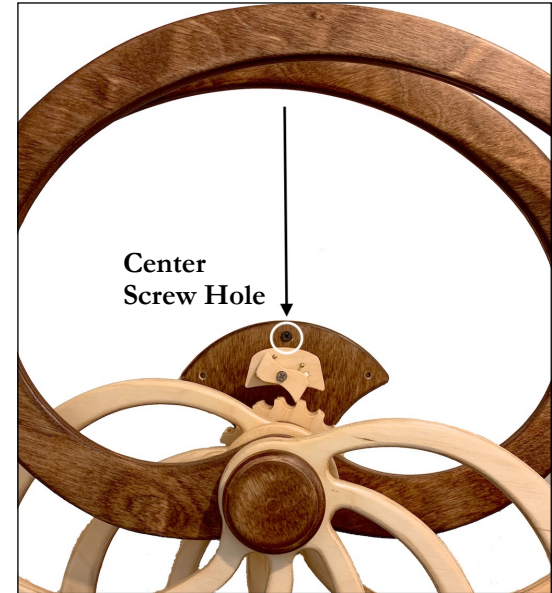
Approximate Run Time: 5 hours

Materials: hardwood plywood, bearings,

Spirit © 2019

Guarantee:

- My kinetic sculptures are guaranteed to the original owner for a period of three 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.



Directions:

To Mount on Wall:

- Spirit does not need a template to set up.
- Locate the top center mounting hole. It is directly above the light colored wood bracket behind the wheels as indicated by the arrow in the photo above. Place this screw hole at the top and center in location.
- Hold the sculpture in the desired location and screw the top center screw in place temporarily securing the sculpture to the wall. Shift the dark base so that the screw is top center and the left and right screw holes are level with each other. Partially screw those screws in place.
- Now take the sculpture down by removing the screws. Gently hammer the provided plastic anchors into the screw holes making sure the top collars are flush with the wall. Screw the sculpture back into position again starting with the top center screw.