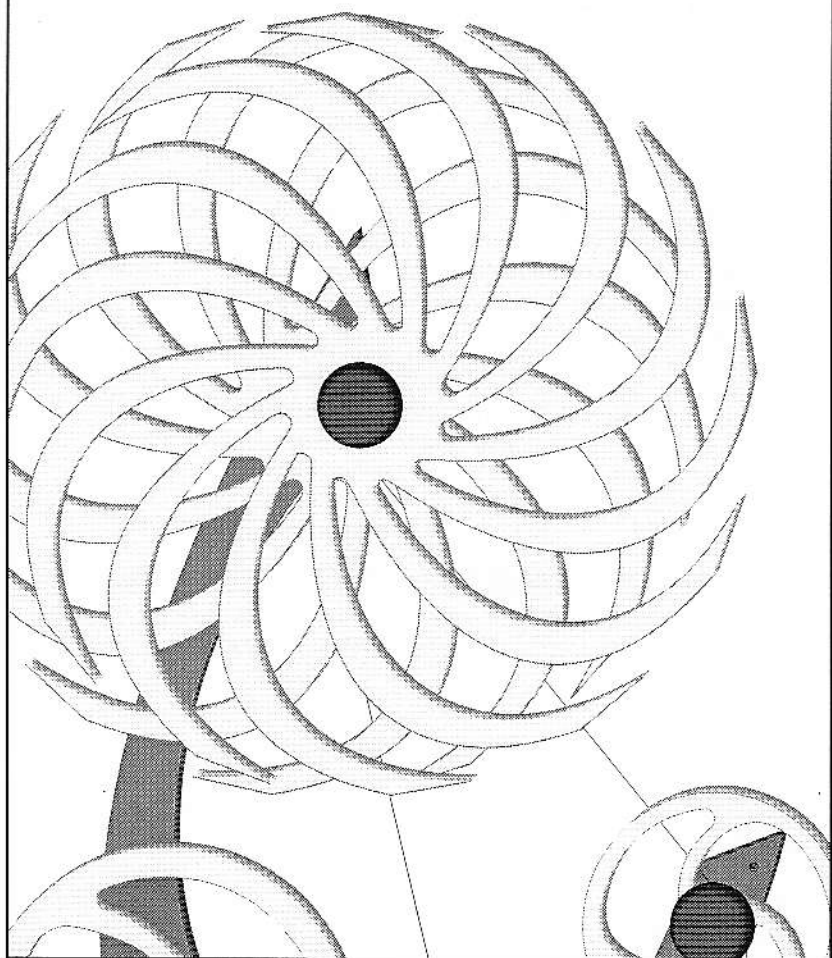


Andromeda

Directions

Kinetic Sculpture by
David C. Roy
© 1992



To the Owner:

Hello,

Welcome to the world of Wood That Works. This *Andromeda* is number _____ out of a possible 150 pieces. It was made by me during the month of _____ in 1993. 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 *Andromeda* has been my full time occupation for more than 17 years. I hope *Andromeda* brings you and other viewers as much enjoyment as I've found in making it.

Andromeda 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.

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

About Andromeda:

In *Andromeda* I've mounted the front patterning wheel directly onto the rear one and offset them by a small amount. This creates a new type of expanding and contracting pattern that is reminiscent of some of my older designs but with a new twist.

I designed a 3 pawl mechanism to control and power the motion, first pushing the back patterning wheel in one direction and then pulling it in the other. The front patterning wheel picks up its motion from the rear one through a small ratchet. For half the patterning cycle the wheels rotate in the same direction as the rear wheel transfers part of its motion to the front wheel. The front wheel then continues the forward motion while the rear wheel reverses direction. The resultant patterns of motion are constantly shifting and changing.

The 3 pawl mechanism and upper ratchet make quiet clicking sounds as the little wooden levers rise and fall. The mechanism is quite efficient because it absorbs the extra energy at one end of a motion cycle and returns it in the opposite direction. The sculpture is wound by turning the medium sized wheel on the lower left counter clockwise. This needs to be done after a run time of about 3 hours. Winding the sculpture is the noisiest part of its operation.

Specifications:

Limited Edition of 150

Size: 20"w x 40"h x 6"d (including weight)

Power Source: negator spring

Approximate Run Time: 2 1/2 - 3 hours

Materials: hardwood plywood, bearings, string

Andromeda © 1992

Patent No. 4637152

Directions:

To Mount on Wall:

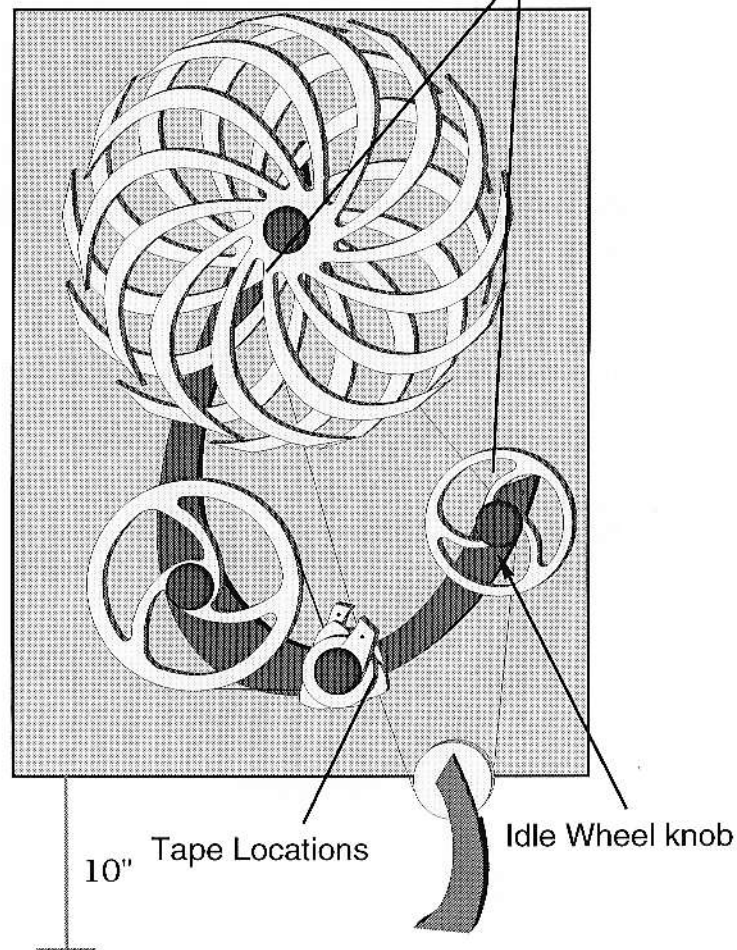
- DO NOT remove the tape holding the strings in place.
- Hold the mounting template in the desired location against a wall. The diagram shows the relationship of the template to the sculpture to guide you in positioning the sculpture on the wall. Please note the minimum clearance dimensions are shown 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.
- Drill pilot holes. If the wall is sheetrock or plaster use plastic anchors.
- Screw the sculpture to the wall.
- Remove the cardboard spacer in the loop of string and replace it with the weight.
- Remove the tape holding the strings in place. DO NOT remove the colored tape on the drive spring.

Note:

Tape the strings in place before repacking or 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.

Mounting Template

Tape Locations



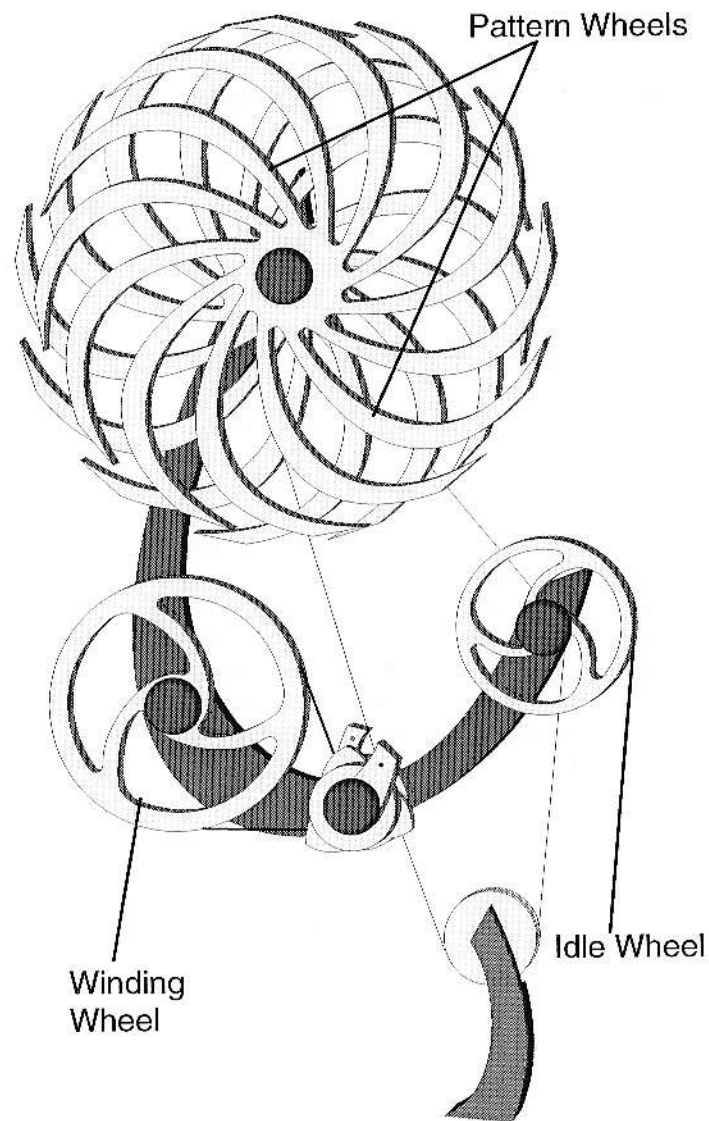
Directions:

To Wind

- Turn the winding wheel counter-clockwise 20 turns.

To Start

- If Andromeda does not start immediately after winding, gently push both patterning wheels in a counter-clockwise direction until the mechanism clicks.



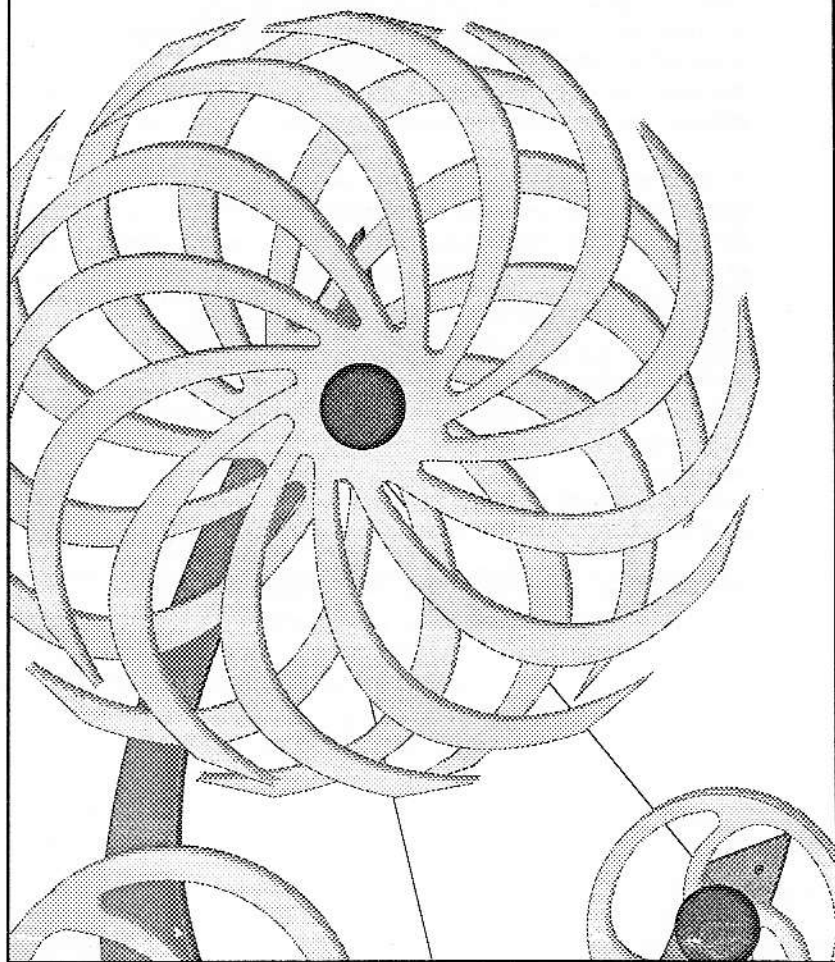
About The Artist:

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.

Andromeda

Directions

Kinetic Sculpture by
David C. Roy
© 1992




To the Owner:

Hello,

Welcome to the world of Wood That Works. This Andromeda is number 31 out of a possible 150 pieces. It was made by me during the month of September 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 Andromeda has been my full time occupation for more than 17 years. I hope Andromeda brings you and other viewers as much enjoyment as I've found in making it.

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The 3 pawl mechanism and upper ratchet make quiet clicking sounds as the little wooden levers rise and fall. The mechanism is quite efficient because it absorbs the extra energy at one end of a motion cycle and returns it in the opposite direction. The sculpture is wound by turning the medium sized wheel on the lower left counter clockwise. This needs to be done after a run time of about 3 hours. Winding the sculpture is the noisiest part of its operation.

Specifications:

Limited Edition of 150

Size: 20" w x 30" h x 6" d

40" in height needed to accomodate ball drop

Power Source: negator spring

Approximate Run Time: 2 1/2 - 3 hours

Materials: hardwood plywood, bearings, string

Andromeda © 1992

Patent No. 4637152

Directions:

To Mount on Wall:

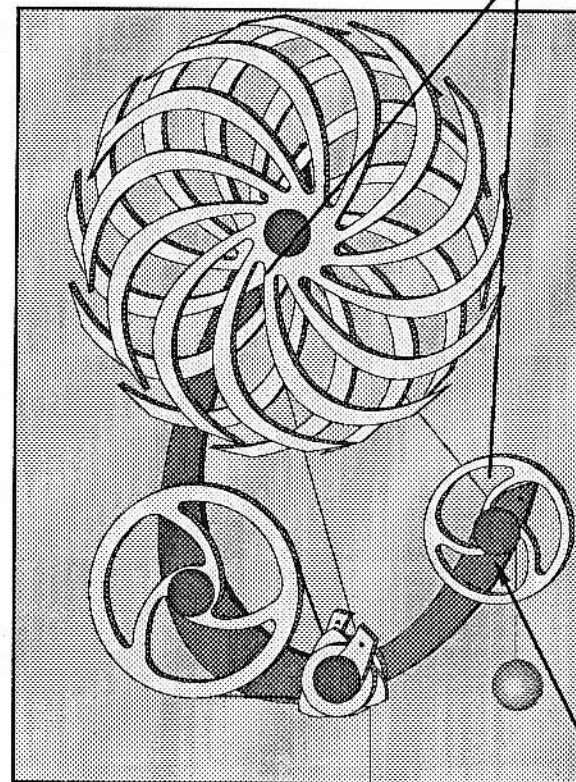
- DO NOT remove the tape holding the strings in place.
- Hold the mounting template in the desired location against a wall. The diagram shows the relationship of the template to the sculpture to guide you in positioning the sculpture on the wall. Please note the minimum clearance dimensions are shown 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.
- Drill pilot holes. If the wall is sheetrock or plaster use plastic anchors.
- Screw the sculpture to the wall.
- Unwind the ball string from around the idle wheel knob.
- Remove the tape holding the strings in place. DO NOT remove the colored tape on the drive spring.

Note:

Tape the strings in place and wind the left hand ball string around the idle wheel knob before repacking or 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.

Mounting Template

Tape Locations



14"

Idle Wheel knob

Wrap this ball string around idle wheel knob before shipping. This will help keep the strings taut and in place.

Directions:

To Wind

- Turn the winding wheel counter-clockwise 20 turns.

To Start

- If Andromeda does not start immediately after winding, gently push both patterning wheels in a counter-clockwise direction until the mechanism clicks.

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.

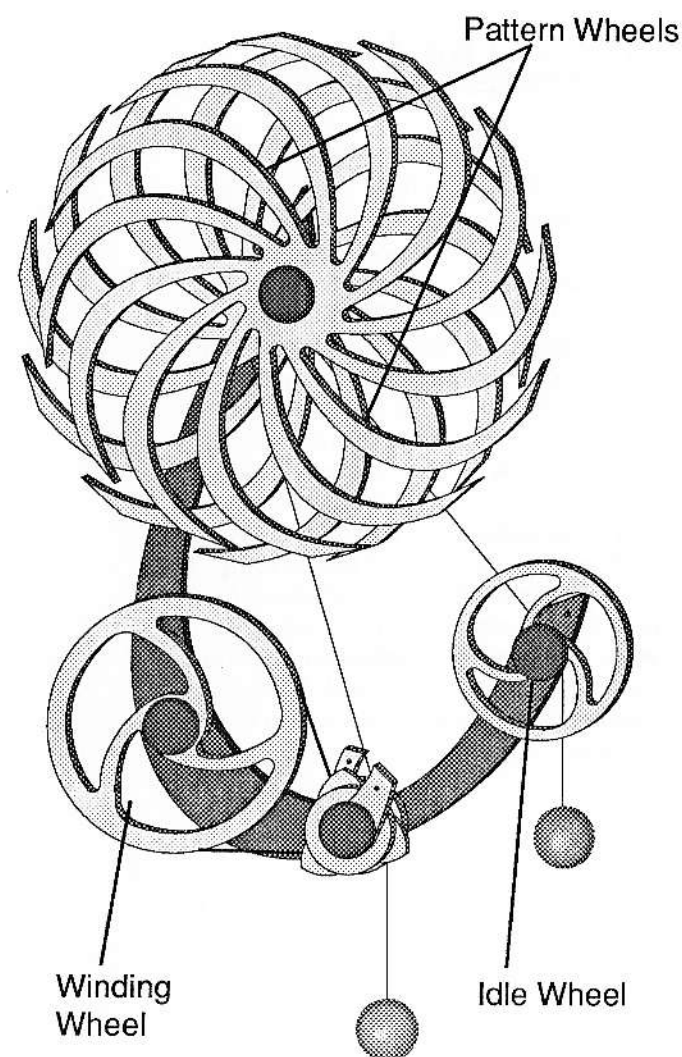
Extra Belts:

Additional Belts

- Can be ordered from:

Stock Drive Products
2101 Jericho Turnpike, Box 5416
New Hyde Park, NY 11042-5416
Tel: 516-328-0200.
Order part # A6R11-04094

- Or can be ordered from Wood That Works through your gallery.



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