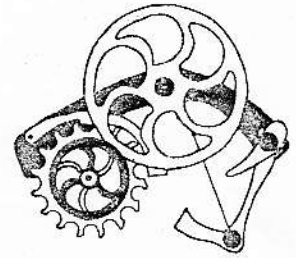


WOOD THAT WORKS

DAVE & MARJI ROY



SUNBURST

Size: (not including weights) 34"h x 28"w

Run Time: With a weight drop of 44" run time is approx. 1 hr.

Description: Sunburst is a sculpture of spins and rotations. The circular motif of the design at rest is repeated in the motion as the wheels spin on their own axis and around each other in a playful, peaceful dance. Directions, speeds and orientations change in a visually interesting manner. The mechanism is an ingeniously simple pulley system that can be re-wound easily and rapidly. Sounds created are an unobtrusive clicking repeated at the rate of revolution and a deeper click during the power push.

SUNBURST

Directions:

To Mount on Wall:

1. Unscrew the sculpture from the backboard-template.
2. Hold the template in the desired location against a wall. Leave at least 8" between the right edge and top of the template and any obstruction (Wall, ceiling). Level bottom edge. Place a sharp instrument through the marked mounting screw holes marking their position on the wall.
Note: The proper height is one from which viewing and winding is comfortable.
3. Drill pilot holes. If the wall is sheetrock or plaster use the plastic anchors by drilling 3/16" holes and driving the plastic anchors into place.
4. Mount the sculpture using round-headed brass screws, 1 1/2" or longer. Make sure the rear disks are in the proper orientation. The arrow on the back of each piece points up.

To Suspend the Drive Weight:

1. Remove masking tape that holds string in place in front of the large pulley wheel. Remove string end from slit in back edge of the large wheel.
2. Place the weight on the floor below the sculpture.
3. Unwind about 10 feet of string from the front of the pulley wheel. Pass the string under the pulley on the weight. Bring it up and over the pulley on the back of the upper pair of sun wheels. The string should go from right to left. (see diagram)
4. Put the string into the rear slot on the large pulley wheel. Locate the small slit on the back edge of the wheel. Slide the string into the slit with the knot to the back.

5. Take up slack by turning the pulley wheel clockwise, guiding the rear string into its slot and the front string out of its slot. It may require quite a few turns. When the string becomes taut stop turning and check to make sure the string is running properly about the weight pulley and the pulley on the back of the sun wheels. Continue winding by turning the pulley wheel clockwise until the weight is just below the sculpture.

To Start:

Gently push the upper pair of sun wheels counter clock-wise one full orbit. Release the wheels.

The Motion:

The sun wheels will continue orbiting clockwise around a center point between them. The forward most wheel also rotates about its own center. Periodically the wheels will slow, stop and reverse their motion until a click is heard. The large pulley wheel will then turn clockwise lowering the weight and driving the pair of sun wheels.

Occasionally the pair of sun wheels may reach a balance point. The orbiting motion will stop. The free spinning wheel will continue moving. This will slow, stop and reverse starting the entire motion over again.

The motion will stop when the weight reaches the floor.

To Wind:

1. Turn the pulley wheel clockwise until the weight is just below the sculpture.