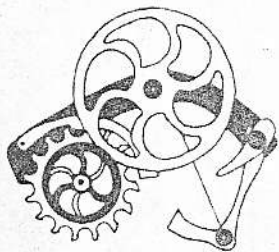


WOOD THAT WORKS



DAVE & MARJI ROY

GALAXY

Spiral Wheels

Inside
Lever

Peg on Base

Front
Member of
Drive
Mechanism

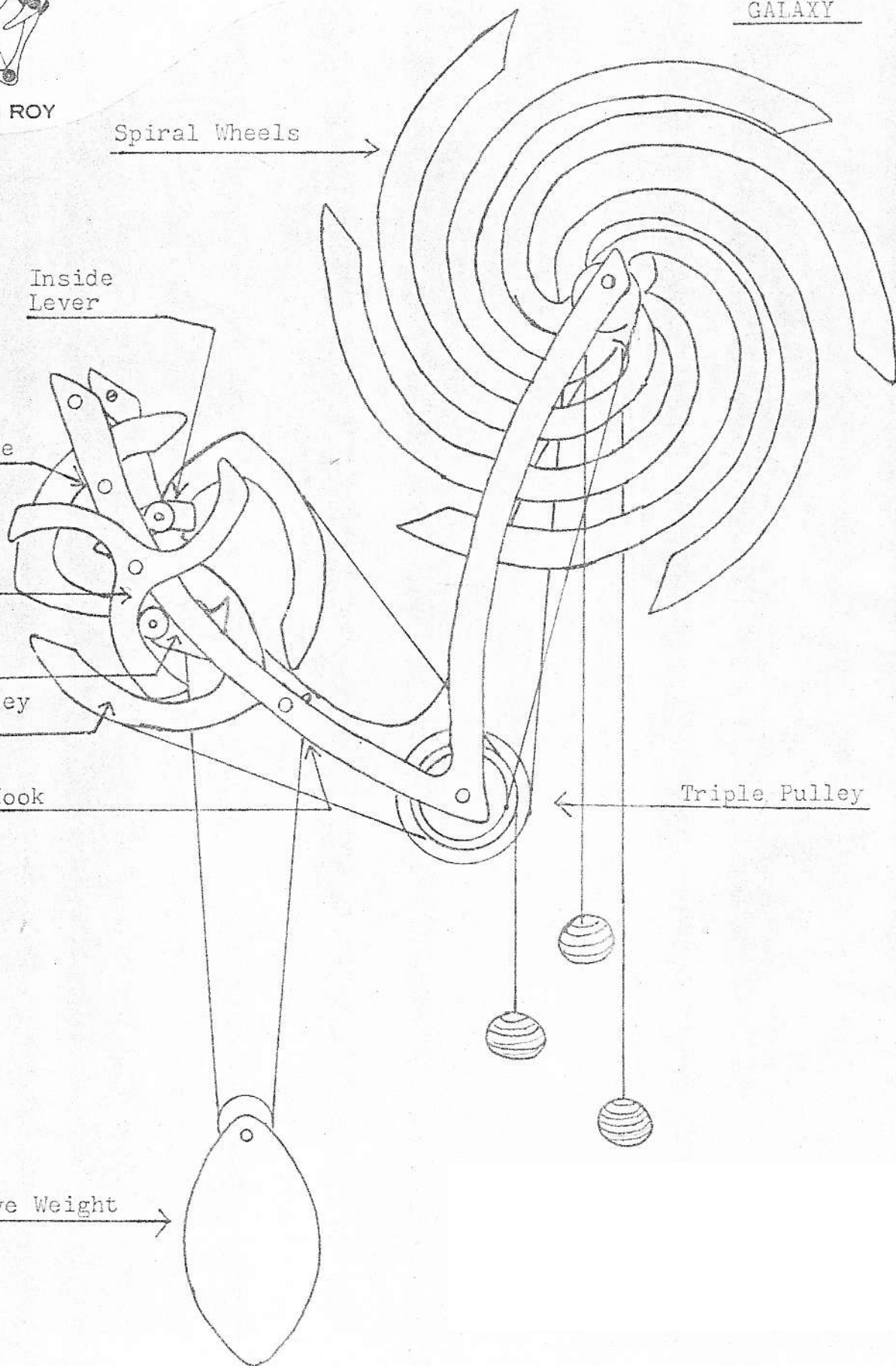
Inside
Lever

Large Pulley
Wheel

Metal Hook

Triple Pulley

Drive Weight



Directions:

To Mount on Wall:

1. Remove the sculpture and weights from backboard. DO NOT remove masking tape.
2. Hold backboard in desired location against wall. Make sure bottom edge of backboard is level.
3. Place a sharp instrument through the mounting screw holes, marking their position on the wall. The proper holes are labeled.
4. Drill pilot holes. If the wall is plaster or sheet rock use plastic anchors.
5. Mount the sculpture using round-headed, brass screws $1\frac{1}{2}$ " or longer.
6. The wooden balls are taped to the base of the sculpture. Carefully remove the masking tape from one ball at a time and allow it to hang freely. Be careful not to tangle the strings.
7. When all 3 balls are hanging freely, remove the tape that holds the strings in place on the spiral wheels.
8. Remove the tape that holds the string in place on the triple pulley.
9. Check the strings' positions against the diagram.
10. There is a wedge between the rear of the triple pulley and the base. Carefully remove this.

To Suspend Drive Weight:

1. Remove masking tape that holds string to spool in the rear of the drive mechanism.
2. Unwind about 15" of string.
3. Loop the string under the pulley of the weight and over the metal hook.

To Wind:

1. Turn the front member of the drive mechanism clockwise. Flip one of the two inside levers back and allow it to come to rest against a peg on the base by slowly

allowing the front member to turn counter-clockwise.

To Start:

1. Note the position of peg on large pulley wheel.
2. Gently and slowly turn the pulley wheel counter-clockwise until the peg reaches about 11 o'clock. Release the wheel. If the sculpture fails to keep going, repeat the same pushing of the pulley wheel a little past 11 o'clock.

To Stop:

1. Apply gentle pressure to the pulley wheel until it comes to rest. Do not try to stop the piece abruptly or by grabbing the balls, strings, or spiral wheels. This can cause the strings to come off the triple pulley.

Note:

1. If the strings should come off of the triple pulley for any reason, re-wedge the triple pulley wheel with the shipping wedge or something similar (or have someone hold it). Unwrap the string from the axle and place it back into the pulley.
2. Please save the shipping box and backboard to aid you when moving, storing or shipping your sculpture. The box can be collapsed for easy storage.

HOW TO RE-STRING GALAXY

It is possible for Galaxy to become unstrung and tangled if it is operated improperly. The directions that follow are for a complete restringing. It will probably not be necessary to do all of these steps but I have supplied them just in case.

PLEASE READ ALL THE DIRECTIONS FIRST!!!!!!!

If just the front or rear string is off the triple pulley, turn the large 10" pulley wheel until the peg sticking out from it is at about the 4 o'clock position and the large wooden ball is about 15" below the triple pulley. Gently wedge the opposite side of the triple pulley to prevent it from moving. (Wedge the front if back string is off or vice versa.)

Take the tangled ball and string completely up and over its pulley on the large spiral wheel. Unwrap the string from the axel of the triple pulley and wrap it completely around the proper groove in the triple pulley. If the front string is the one you are working with follow direction # 7 below. If it is the back string follow direction # 6.

The above directions should solve the minor string tangles.

If more than just the front or rear string is off the triple pulley follow the instructions listed below:

1. Remove the drive weight by unhooking string from small metal hook.
2. Remove small wooden balls. NOTE: Each ball is a different weight. The heaviest is attached to the string from the middle pulley, the middle weight to the string from the large rear member and the lightest to the small front member string. To remove the balls, untie or cut the knot in the string below the ball and remove the wooden peg that holds the string in place. It may be necessary to poke the peg out with a needle.
3. Untangle the strings that go to the largest and smallest members of the triple pulley and wrap them around the respective pulleys. They are both wrapped in a counter-clockwise direction. Temporarily tape the strings in place.
4. The center string unwinds from the bottom of the center of the triple pulley, goes around the 10" pulley wheel (clockwise) and back over the top of the center pulley. The string is looped into the small hole in the 10" pulley wheel. This should not have to be undone. Turn the triple pulley counter-clockwise until the slack in the string between the bottom of the triple pulley and the 10" wheel is removed. This should be when the peg sticking out of the 10" wheel is at about 4 o'clock.
5. Gently wedge something between the triple pulley and the back of the sculpture to keep the triple wheel from turning.
6. Unwind 4 turns of string from the front of the rear groove of the triple pulley. Bring this string up and over the pulley on the back of the large spiral wheel and allow the string to hang down.

Restranging Instructions (Cont.)

7. Unwind 6 turns of string from the small front groove of the triple pulley. Bring this up to the right of the pulley on the front of the large spiral wheels, over the top and back down on the left. It will cross over in front of itself.
8. Using a long sewing needle (or a piece of thin wire folded in half) re-attach the wooden balls. See direction #2 for proper locations. Thread the string through the ball and peg it in place with the original wooden pegs or use new round toothpicks.
9. Double check to make sure all of the strings are in the proper grooves on the proper pulleys.
10. Remove the wedge.
11. Re-hang the drive weight. (see instructions)
12. Start the sculpture.