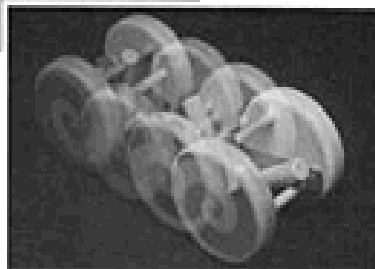
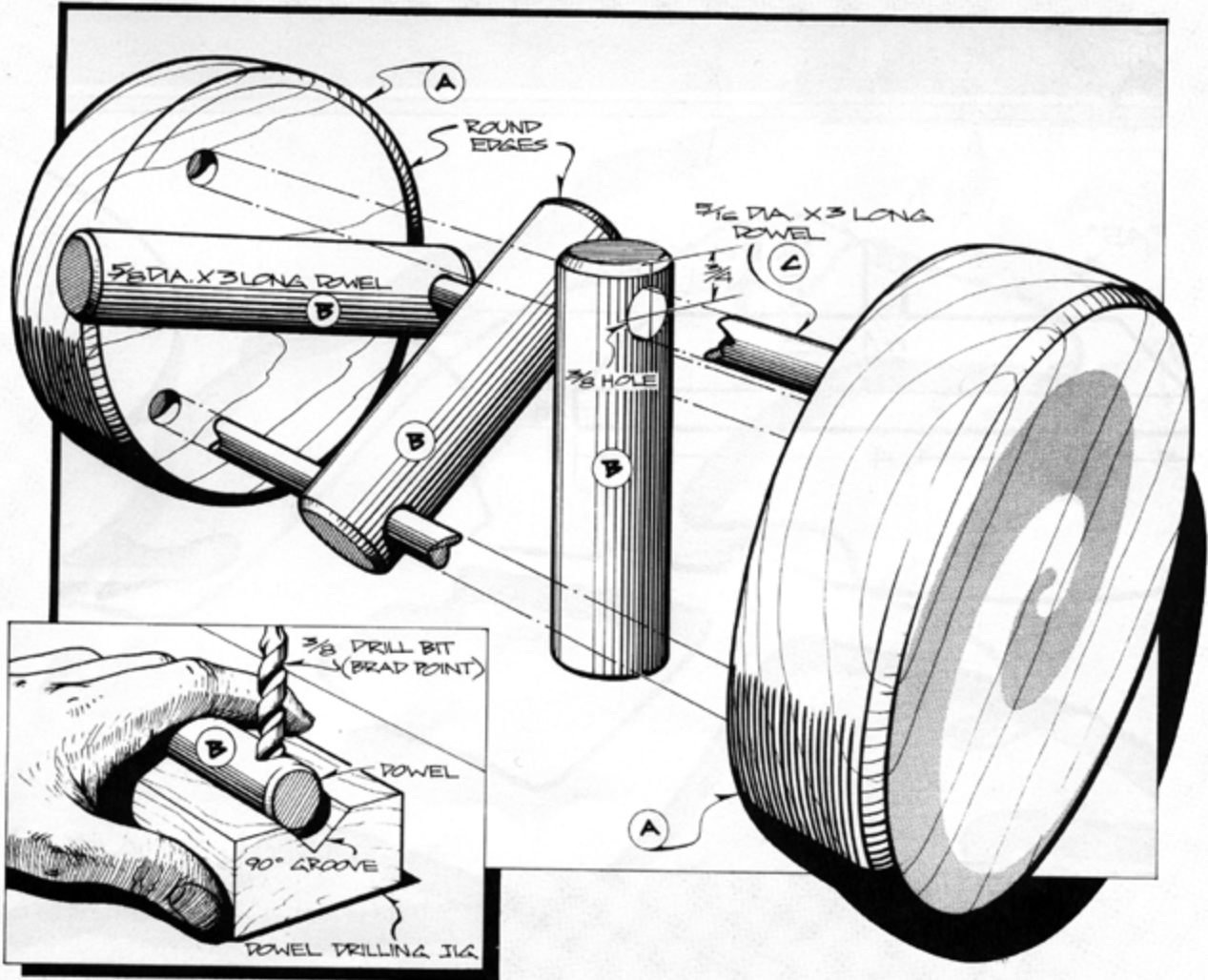
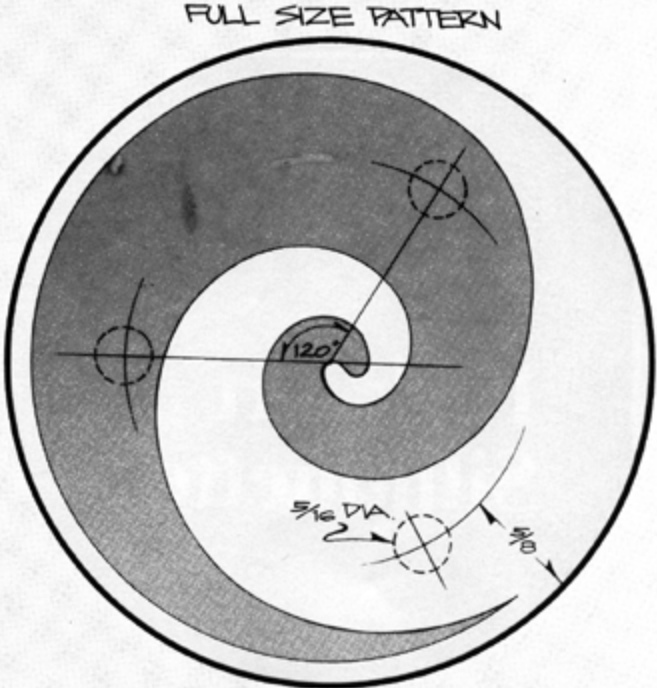
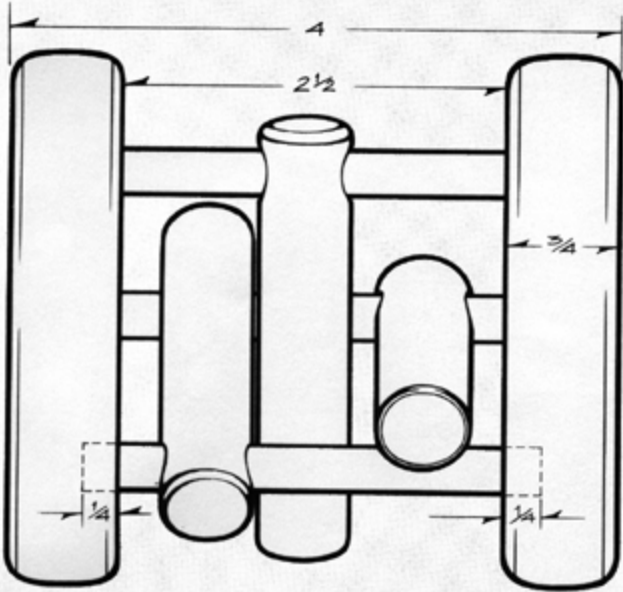


Project 19376EZ: Rolling Toy



There's an old axiom that the toys children love the most are often those of the simplest design. Compared to the plastic-fantastic superhero toys at the local toy store, our rolling toy might assume a certain understated elegance. Yet we assure you that there is absolutely nothing understated about the youngsters' (ages 10 months to 3 years) reaction to it. Toy builder Skip Arthur, who provided us with the rolling toy, points out that the clicking action of the dowels, combined with the fascinating spiral action as the toy rolls along, is a sure attention grabber for the small fry.

Rolling Toy Complete Schematic



Rolling Toy Step-by-Step Instructions

1. Obtain the following:
 - 10" of 5/16" diameter dowel stock
 - 10" of 5/8" diameter dowel stock
 - Enough 3/4" thick hardwood (birch works well) to make the two 3-3/8" diameter wheels.
2. Stay just outside the marked line and use the band saw to cut out the wheels (A).
3. Use a disk sander to sand to the line.
4. Round the wheel edges.
5. Refer to the full-size pattern for the 5/16" diameter dowel locations on the wheels.
6. Drill the dowel holes to 1/4" depth.
7. Mark out and hand paint the spiral pattern on the outside faces of both wheels. Cut the pivoting dowels (B) and the connecting dowels (C) to their 3" lengths.
8. Use a V-block, a 3/8" brad-point drill bit, and the drill press as shown in the detail to drill through the ends of the pivoting dowels.
9. Paint the pivoting dowels as shown
10. Mount the pivot dowels on the connecting dowels.
11. Add both wheels to finish assembling.
12. Leave the toy unfinished.

These plans were originally published in Volume 11, Issue 6 of *The Woodworker's Journal* (Nov./Dec. 1987, page 46-47).