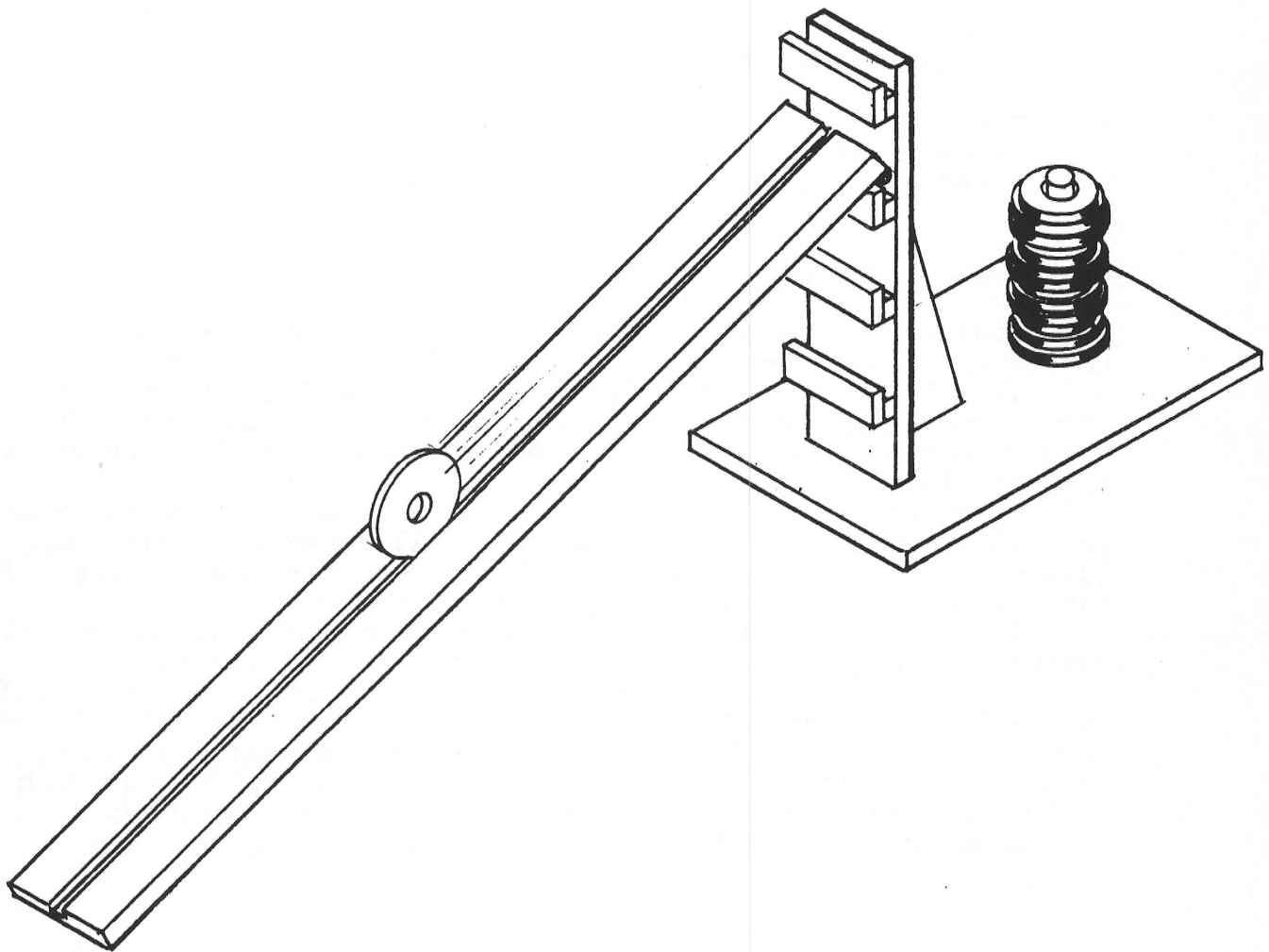


DISC ROLLER

The disc roller is a rugged and colorful toy that promotes activity. The discs are placed on the easily adjusted ramp, and the child watches as they roll down. Retrieving the discs can be fun, too!



Materials needed:

- 3/8", 1/2", 5/8" Birch plywood, cut as shown
- One 1/2" diameter x 5 1/2" long dowel
- Ten 1" long x #6 Phillips screws
- Varathane gloss varnish or equal
- Elmer's Carpenter's Glue or equal
- 1" long #17 brads

Tools needed:

- Table saw
- Power sander or sandpaper
- 1/2" and 5/8" drill bits
- Circle cutter
- Drill press
- Hammer, ruler, screwdriver, brush, etc.

Construction suggestions:

Cut out the base, track bracket, triangular stiffener and the track holder pieces as detailed on page 3. Drill the 1/2" hole for the 5 1/2" long dowel. Glue dowel in hole. Glue and screw track holder pieces to track bracket. Glue and screw the triangular stiffener to the track bracket assembly to the base board as detailed on page 3.

Cut out a 5/8" thick x 37" x 3" wheel track piece and cut the 3/8" wide x 5/16" deep slot the full length. Fasten the 1/4" diameter x 3" long dowel onto the track piece as shown. Make sure to sand the slot side to a very smooth condition.

Varnish the track stand assembly and the wheel track assembly two coats, sanding lightly in between coats.

Using a circle cutter and the 3/8" plywood, cut out four each of the three disc diameters. Then drill a 5/8" diameter hole down the pilot hole left by the circle cutter in each disc. Sand the cut-out discs carefully. Paint each four similar diameter discs a bright color. Assemble the finished discs on the dowel and your disc roller is ready for play.



5" LONG X 1/2" DIA.
DOWEL SECURED
W/GLUE INSIDE
1/2" DIA. HOLE.

