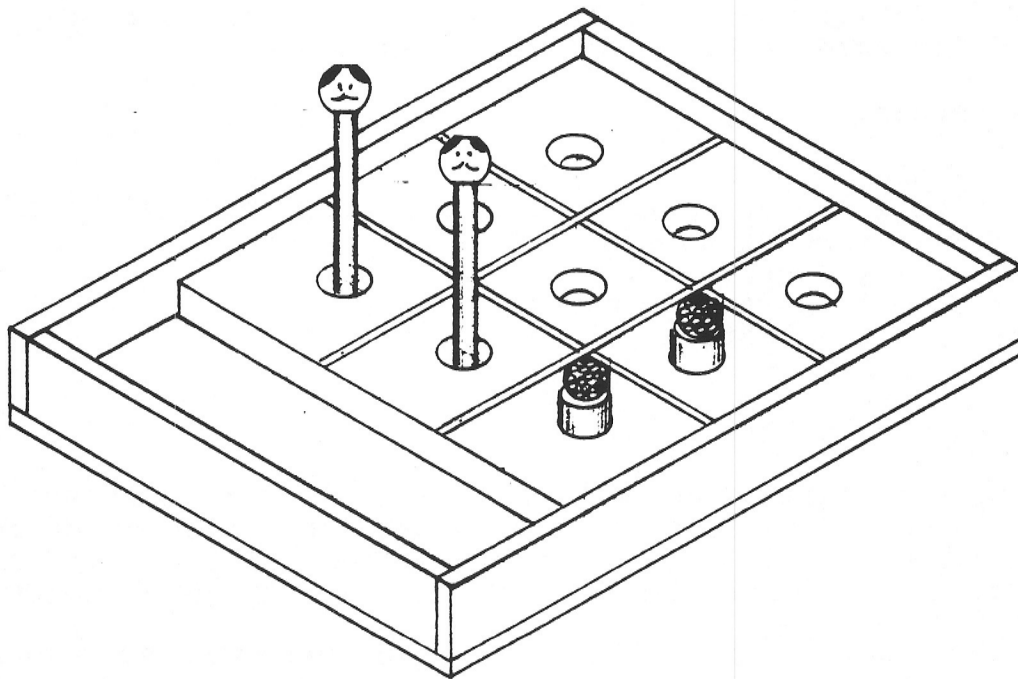


TIC-TAC-TOE BOARD

This is a colorful Tic-Tac-Toe board that uses two sizes of whimsically decorated pegs for markers. A tray to one side holds both the tall slim pegs with painted heads and the short stout pegs with colored beads.

- * Please use caution when using this toy with *
* children who may put small parts into their mouths. *



TIC-TAC-TOE BOARD

Materials needed:

- 1/4" birch plywood, 13 5/8" x 10 5/8"
- 3/8" birch plywood, 9 7/8" x 9 7/8"
- 5/8" birch plywood, 9 7/8" x 9 7/8"
- Two pieces 3/8" birch plywood, 1 1/2" x 9 7/8"
- Two pieces 3/8" birch plywood, 1 1/2" x 13 5/8"
- 1/8" wide colored tape with adhesive backing
- 9 pieces 1/2" diameter dowel x 4" long
- 9 pieces 3/8" diameter dowel x 1" long
- 9 pieces 1" diameter dowel x 1" long
- 9 doll heads of 25 mm or 1" diameter spheres
- 9 colored beads, 3/4" or 1" diameter
- 9 or 18 1 1/4" x #6 Phillips flat head wood screws
- 1 drawstring or ziplock bag to store the pegs in
- Non-skid material for bottom of board

Tools needed:

- Table saw
- Drill press, power boring bits of 1" and 1/2" diameters
- 3/8" brad point wood bit
- Ruler, brush, etc.
- Elmer's Carpenter's Glue
- 3/4" x #17 brads

Construction suggestions:

Glue together the 3/8" and the 5/8" pieces that are 9 7/8" x 10 5/8". Sand the sides evenly. Mark the placement of the holes as on page 4. Drill the 1" diameter holes 1/2" deep. Drill the 1/2" diameter holes the rest of the way through. Sand the top edges of the holes.

Cut the 3/8" x 1 1/2" pieces to proper lengths and fasten with glue and brads onto the sides and ends to form the box. Fasten the 1/4" x 13 5/8" x 10 5/8" pieces onto the bottom using glue and brads. Sand all joints, corners and top edges.

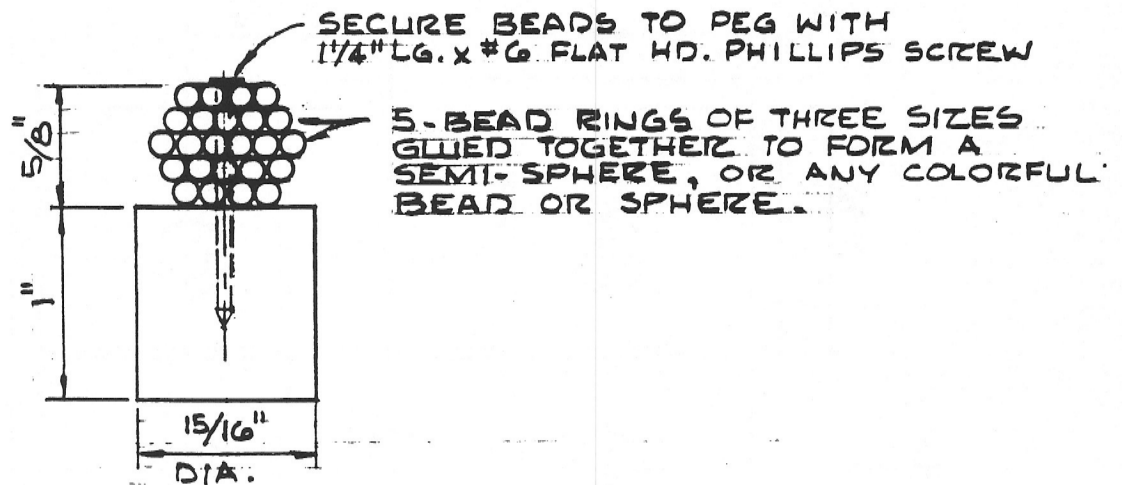
Use masking tape and yellow and green paint to give the box a two-toned look. Finish the box with yellow 1/8" wide tape put on the green top to make the tic-tac-toe double-crossed lines.

Before cutting the dowels to correct length, sand down both the 1" and the 1/2" size so that when cut and painted two coats, they will fit into the 1" and 1/2" holes in the board.

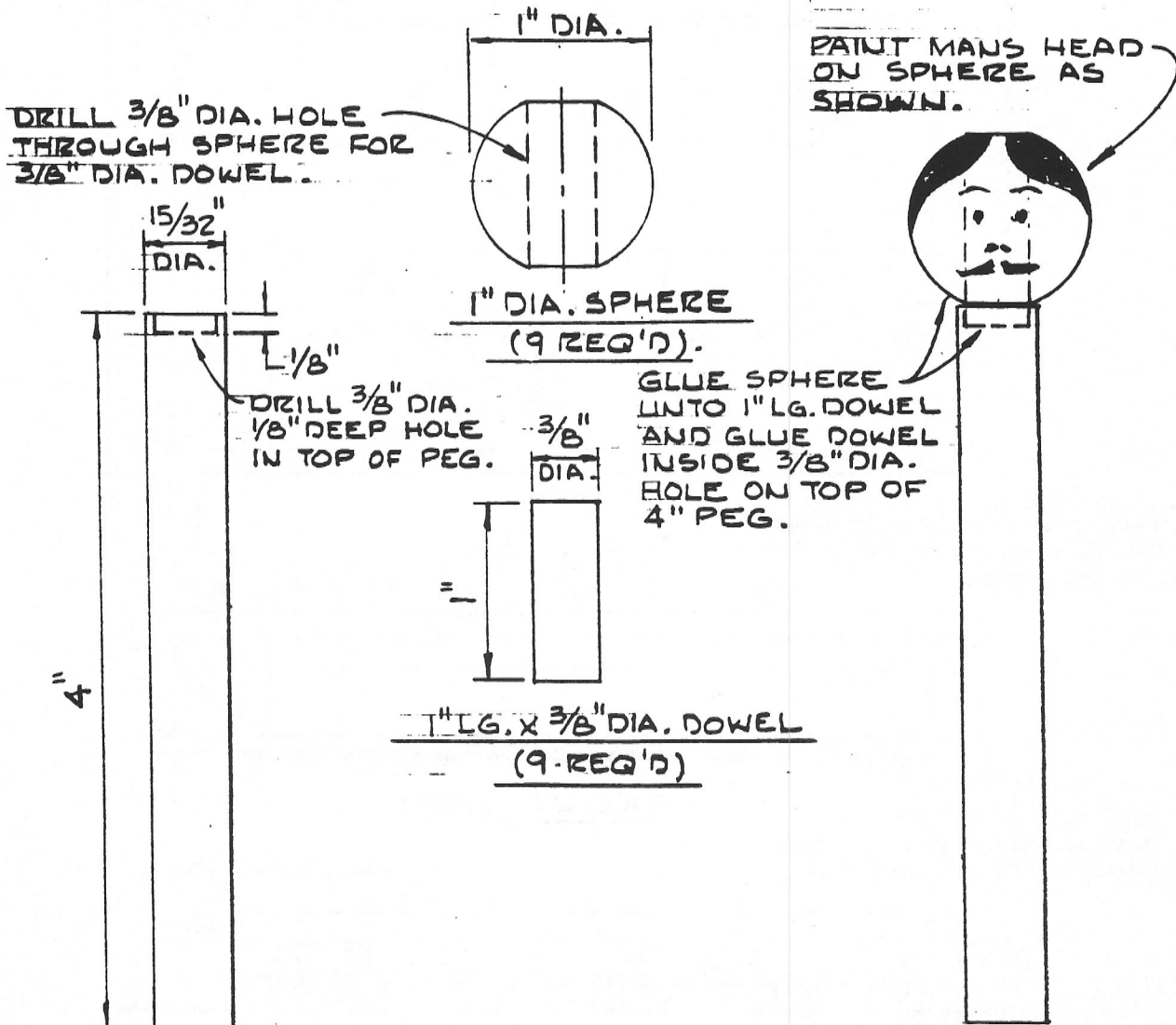
Drill a pilot hole down the center of the large diameter, short pegs. Securely fasten a bead onto the top of the peg with a screw as detailed in the drawing on page 3.

Drill a 3/8" diameter hole 1/8" deep into one end of the 1/2" diameter pegs. Then a dowel holds the doll head or sphere onto the peg. See detail on the drawing on page 3.

Keep the pegs in a cloth drawstring bag or heavyweight ziplock bag when toy is not in use.

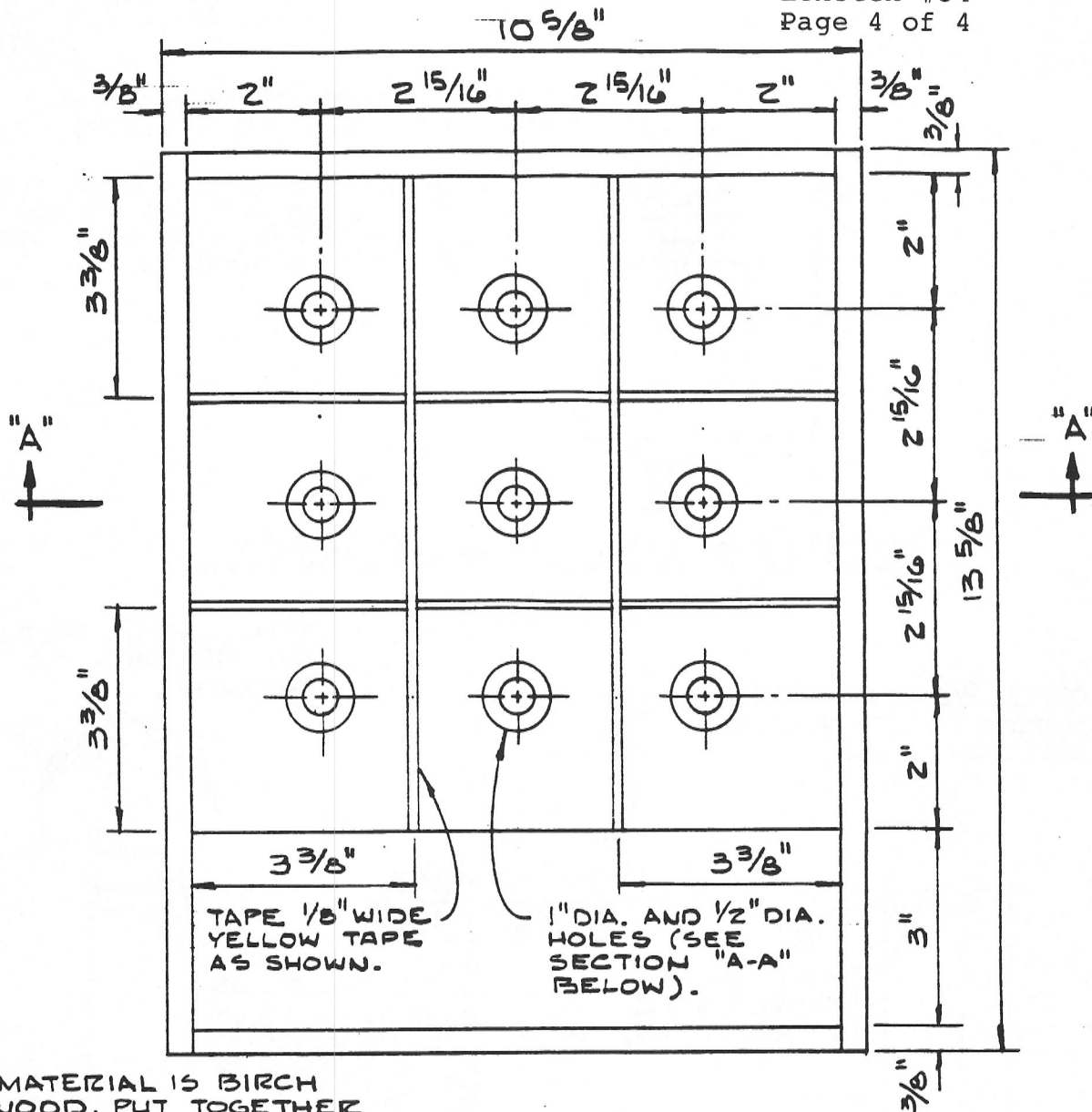


1" X 1 1/16" DIA. PEG DETAIL (9 REQ'D).



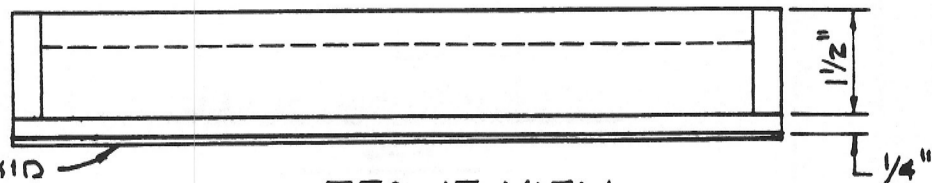
4" LG. X 15/32" DIA. PEG DETAIL
(9 REQ'D).

ASSEMBLY OF SPHERE
TO 4" PEG
(9 REQ'D)



ALL MATERIAL IS BIRCH
PLYWOOD. PUT TOGETHER
WITH GLUE AND $\frac{3}{4}$ " X #17
WIRE BRADS.

TOP VIEW
OF TIC-TAC-TOE TOY BOARD



FRONT VIEW

5 $\frac{5}{8}$ " THK. & $\frac{3}{8}$ " THK.
BIRCH PLYWOOD PIECES
GLUED TOGETHER.

