Project: Outdoor recliner 1:12 scale

The cost of materials is minimal. The workout your imagination gets is priceless!

Pieces required: about a dozen ice block sticks. (When drilling there may be casualties!)

Also two long tongue depressors for the sides. If you are a good cutter you will only need one split down the middle.

One wooden skewer. Good tacky glue.

You will need two wheels. I found two in my stash but they can be made from pre-cut wooden discs just as easily.

For the aged look: Acrylic aerosol in colours you choose. Two have been used here, off white and a teal blue.

Cutting guide - ***from the ice block sticks***

Seat slats: cut 8 lengths, 2 inches long

Inner support (the slats are glued to) cut 2 lengths, 9 inches long, and 3/8th wide.

Side supports for the back, cut 2 lengths, 3 inches long.

Back of seat cut 5 slats 2¼" long.

For the adjustment assembly you will need to cut two pieces 1¼ " long and ¼" wide.

Adjustment strip cut 1 length 1¼"

Front legs—cut 2 lengths 1 inch long and angle back from the longest point.

From the tongue depressors

Cut 2 pieces or slice one in half (carefully) 3/16ths wide and 6 inches long.

From the skewer cut:

The front axle for front legs and the adjustment pivot piece are both 2½ inches long. The other piece you need for the adjustment assembly is a piece 2 inches long.

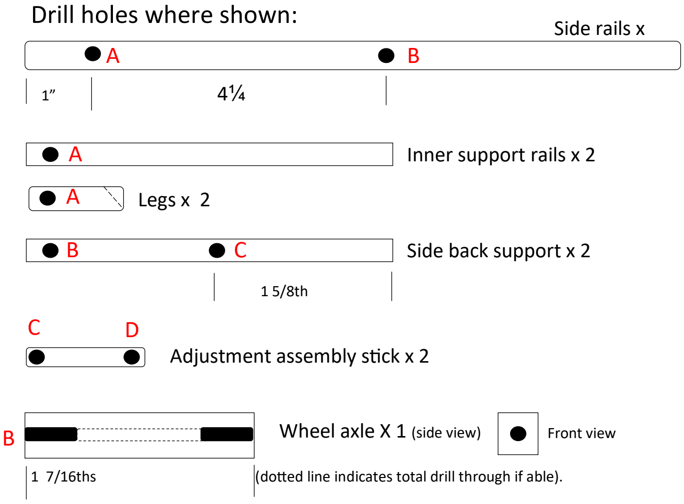
For the wheel axle you need a piece of round dowel or a squared off piece of wood that you can drill holes into for the axle of wheels. If you have a Dremel drill you can drill a hole right through. You may have to affix the wheels the way you like if you have limited resources.

1 **Method of Assembly**

Drill all holes required first. Use a drill bit that matches the thickness of the skewer.

2 Glue the slats across the top edges of the inner support rails. It might be helpful to cut a piece of card 2 inches wide to fit between the rails so the width is kept constant. Start them right on the front end of the rail.

Drill holes where shown:



3

Push a piece of skewer through the left leg, then through the left side rail (A), the left inner rail and then through the right inner rail, the right side rail and then out the right leg. Pivot the legs around so they will sit at a slight slant and trim the angle now, on both sides, while you can still get them off the skewer. When satisfactory, glue all these in place along the skewer and when dry, trim the skewer.

4

Glue the axle between the sides. Poke a length of skewer through all the B holes, that is the wheel, through the back support, the side support, the axle, and then through the side support, the back support and the other wheel.

5

Now you can glue the back slats across the back support rails starting about 3/4" from the bottom ends. Glue in 5 rails spaced evenly apart. When this is dry you can deal with the adjustment assembly.

6

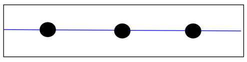
Cut a length of skewer around 2 ½ inches and poke on end through the hole C on the right side back support, through hole C on the right adjustment assembly stick, then through the left adjustment assembly stick and through the left side back support. Cut another piece of skewer

CONTINUE OVERLEAF

7 Finally, make the piece that determines the position of the slant of the back.

In the cutting list it is called the adjustment strip.

8 Carefully drill three holes along a middle line of the strip, about a quarter of an inch apart. To minimize splitting while drilling it is best to tape two pieces of ice cream sticks together, mark a line down the center. Mark each 1/4" position along this line and drill and then cut to size and only then, carefully slice down the center line with a sharp blade to make two matching pieces.

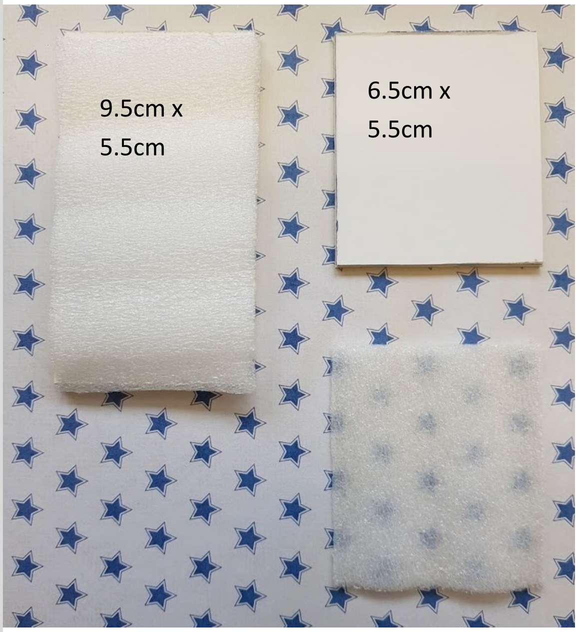


9 Glue each of these along the inside of the side rail at the back. The skewer between the D holes will sit in the half circle.

10 Fitting the wheels. There are two options here. If you have an axle with a hole drilled right through it and glued between the sides, use a skewer to slide into it that is free moving. Glue the wheels onto this.

If you have an axle and have drilled shallow holes in each end to line up with the sides, you need to glue a short piece of skewer into the holes for the wheels to be slid onto. You want the end to not protrude beyond the outside of the wheel. Paste jewelry fittings over the holes and glue to the wheels. All done.

Making the seat pad



Cut two pieces of foam board, 3 mm thick, shown on left.

And two corresponding pieces of packing foam sheet or wadding.

Make two pads. With foam side down and board on top, lay onto cover material of your choice. Give yourself about 1.5cm folding allowance.

Fold the allowance to the back of the boards and glue down. Cut a piece of card to cover the raw edges on the underside and you are finished.

This way makes quite professional looking pads for the recliners.