

## Here's What You'll Need

One 1/4-inch x 6-inch x 36-inch poplar board  
One 1/2-inch x 6-inch x 36-inch poplar board  
4 feet of light-duty chain  
6-inch x 12-inch window screen  
Four screw eyes  
Two S-hooks  
1/4-inch staples  
5/8-inch, 7/8-inch and 1-1/4-inch brads

## Recommended Tools

Table saw	7-ounce hammer
Power drill	Small nail set
Pull saw or backsaw	Stapler
Small square	Pliers

## Cutting List

Part	Name	Qty.	Dimensions
A	Front/back seat frame	2	1/2" X 1" X 10"
B	Seat frame ends	2	1/2" X 1" X 4-1/4"
C	Seat back sides	2	1/2" X 1" X 5-1/8" (enlarge pattern p. 48)
D	Seat back connectors	2	1/2" x 3/4" x 9"
E	Armrests	2	1/2" x 3/4" x 5-1/2"
F	Armrest supports	2	1/2" x 3/4" x 1-1/4"
G	Long seat boards	2	1/4" x 5/8" x 11-1/4"
H	Short seat boards	8	1/4" x 5/8" x 1-1/8"
J	Backrest boards	12	1/4" x 5/8" x 4-1/4"
K	Armrest caps	2	1/4" x 5/8" x 6"
L	Long screen frames	2	1/4" x 1/2" x 10"
M	Short screen frames	2	1/4" x 1/2" x 3-7/8"

# Let's Start Building

## 1. Words of wisdom.

Before you begin, be aware that the assembly for this project is fairly simple, but will require a little patience. Tack-gluing the parts together before nailing makes the assembly easier, but takes additional time.

Since many of the parts are small, and poplar is a fairly hard wood, predrilling the nail holes will avoid splitting.

## 2. Cut the pieces.

Start by cutting the parts from the cutting list.

When cutting the 5/8-inch pieces for the seat and back boards and armrests (Parts G through K), use push sticks to do it safely (see Photo 1).

If your push sticks are made from 3/4-inch stock, guide your stick against the fence and *through* the saw blade, pushing the material completely past the blade. Push sticks are meant to be expendable.

You'll need a total of about 12 feet of these 5/8-inch strips. To save time, sand the edges before cut-

ting the pieces to length according to the cutting list.

The angle for the back sides (Part C) and one end of the seat frame ends (B) is 17 degrees, but it doesn't need to be exact. Just make sure the angle is the same on all four pieces. See the pattern on page 48.

## 3. Frame it out.

Assemble pieces A and B for the seat frame as shown in Photo 2. Tack glue and allow the frame to dry before nailing with 7/8-inch brads. Cut off the head of a brad and use that as a drill bit for predrilling.

Put together the back frame (see Photo 3) in the same way. Support the piece well while nailing. Note that the seat connectors (Part D) are flush with the *front* of the back sides.

Glue and nail the two frames together as shown in Photo 4, using 7/8-inch brads. Set each brad slightly below the surface after nailing.

## 4. Attach the slats.

Center, glue and nail the



Photo 1



Photo 2

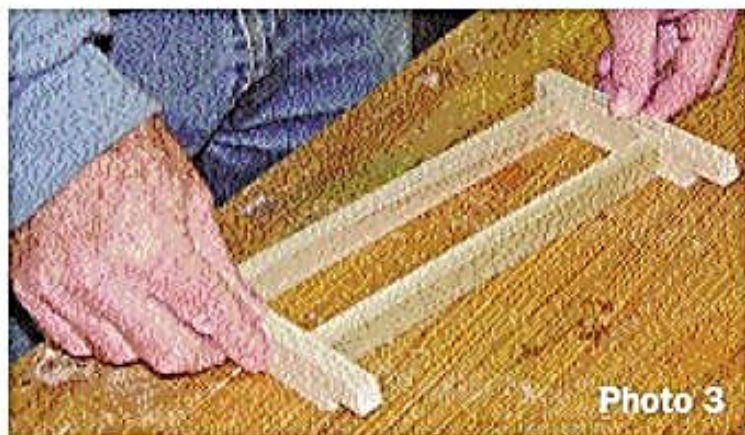


Photo 3



Photo 4



Photo 5

two long seat boards (Part G) to the seat frame. Then carefully lay out the back boards on the frame beginning with the two outside end pieces, making them flush with the seat back sides (see Photo 5).

When dry, nail in place with 5/8-inch brads.

Using the same method, glue each short seat board (Part H) in place and nail when dry.

### 5. Setting the screen.

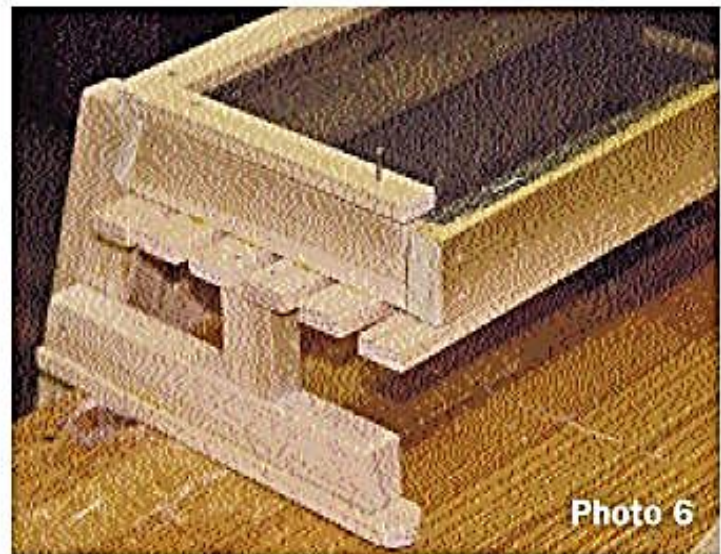


Photo 6

the seat with 5/8-inch brads (see Photo 6). The frame gives the screen extra support and neatly finishes off the bottom of the feeder.

Attach the armrests (Part E) as shown, using 1-1/4-inch brads to attach the armrests to the arm rest supports (F).

### 6. Hanging it up.

Insert the screw eyes in the feeder as shown in the diagram (at left). Cut two lengths of chain 12 inches long and attach the ends to the screw eyes on each side of the feeder. Since the

chain is easier to open than the screw eyes, use pliers to open and close the end chain link around the screw eye.

Attach a length of chain just off-center to each side chain for hanging. This off-center placement (about one link closer to the front) gives it a slight backward tilt like a real bench swing. Add the S-hooks to the top of the chains and close them around the chain with pliers.

Add a coat of deck stain or outdoor sealer for protection from the weather.

Now your feeder is ready to go. Fill it with sunflower seed or your favorite mix, hang it outside, and see if your backyard birds get into the swing of it!

