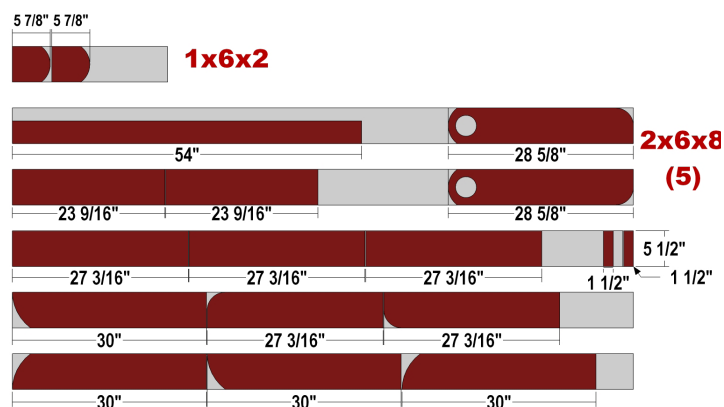
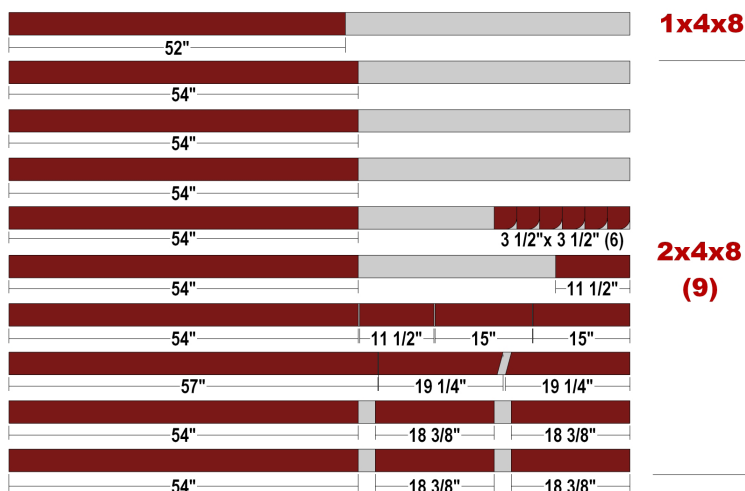


Build A Porch Swing

Instructions

Cut all parts to fit as you assemble the project and use the Parts List and Cutting Diagram as a guide for dimensions. When gluing pieces together, you may also choose to use clamps and a square/combination square.



Hardware & Supplies

- Seat End Rails (2) - 1½ x 3½ x 18¾
 - Stretchers (2) - 1½ x 3½ x 18¾
 - Seat Side Rails (2) - 1½ x 3½ x 54
 - Arm Support Rails (2) - 1½ x 3½ x 19¼
 - Short Arm Support Stiles (2) - 1½ x 3½ x 11½
 - Long Arm Support Stiles (2) - 1½ x 3½ x 15
 - Arms (2) - 1½ x 5½ x 28¾
 - Cup Holder Platforms (2) - ¾ x 5½ x 5⅞
 - Cup Holder Spacers (2) - 1½ x 1½ x 5½
 - Arm Support Bases (2) - 1½ x 5½ x 23¾
 - Arm Brackets (6) - 1½ x 3½ x 3½
 - End Back Slats (2) - 1½ x 5½ x 27¾
 - Long Back Slats (4) - 1½ x 5½ x 30
 - Center Back Slats (3) - 1½ x 5½ x 27¾
 - Bottom Back Support (1) - 1½ x 3½ x 54
 - Mid Back Support (1) - 1½ x 3½ x 57
 - Top Back Support (1) - ¾ x 3½ x 52
 - Seat Slats (6) - 1½ x 3½ x 54*
- * One of the parts measuring 1½ x 3½ x 54 will need to be ripped to the proper width from a 2 x 6 x 8.

Hardware & Supplies

- 1¼-inch deck screws
- 2½-inch pocket hole screws
- 2½-inch deck screws
- 3-inch deck screws
- 6, ½-inch x 4-inch heavy-duty screw eyes
- 4, ½-inch chain quick links
- 2 sets porch swing springs
- 2, 12-foot-plus lengths of heavy-duty chain (longer, depending on the height of the installation-site ceiling)
- Wood glue
- Paint or stain

Dimensions

- Width: 62 inches
- Depth: 33¼
- Height: 33⅝

Lumber

- 1 – 1 x 4 x 8
- 1 – 1 x 6 x 2
- 9 – 2 x 4 x 8
- 5 – 2 x 6 x 8

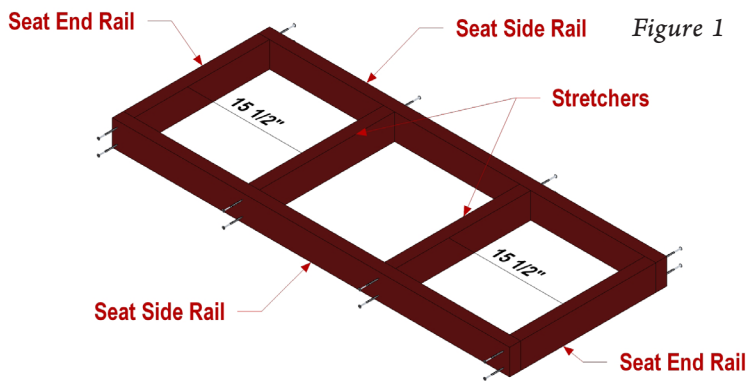


Figure 1

Create the Seat Assembly

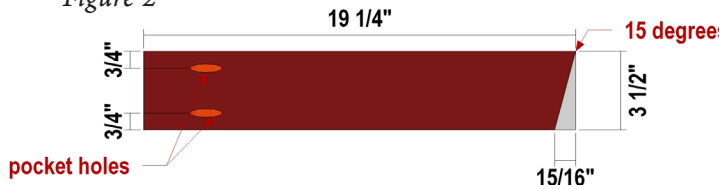
Apply glue to the ends of the Seat End Rails and Stretchers, and position them with the Seat Side Rails as shown in Figure 1. Attach the Seat Side Rails to the other parts using 3-inch deck screws.

Create the Arm Assemblies

Use Figure 2 and Figure 3 as guides for creating the Arm Support Rails and Short Arm Support Stiles. Set the pocket hole jig and drill bit for 1 1/2-inch stock when drilling the pocket holes.

Arm Support Rail

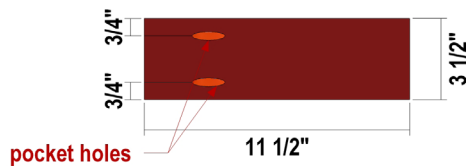
Figure 2



pocket holes

Figure 3

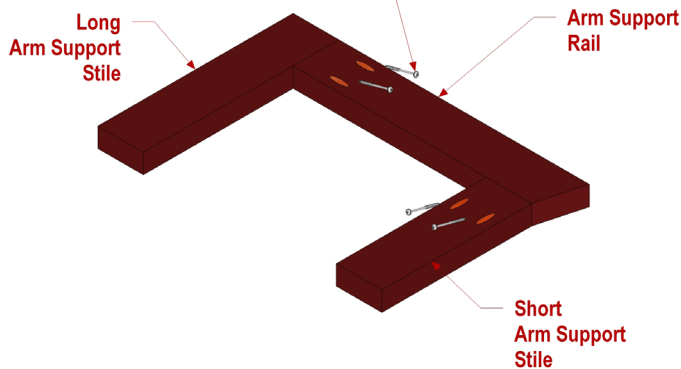
Short Arm Support Stile



pocket holes

Figure 4

2 1/2" pocket hole screw



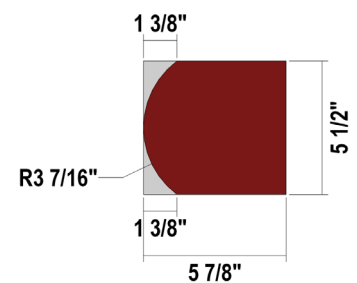
Arm

Figure 5



Figure 6

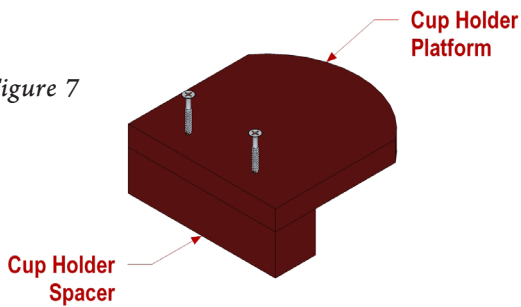
Cup Holder Platform



Use the layout in Figure 5 as a guide for creating the Arms. Use a compass to mark the curves on the ends, and cut away the excess using a jigsaw. Use a 3 1/4-inch hole saw bit to create the hole for the cup holders. If you do not have the hole saw bit, you can cut the hole using a jigsaw.

Use the layout in Figure 6 as a guide for creating the Cup Holder Platforms. Use a compass to mark the curve on the end, and cut away the excess using a jigsaw.

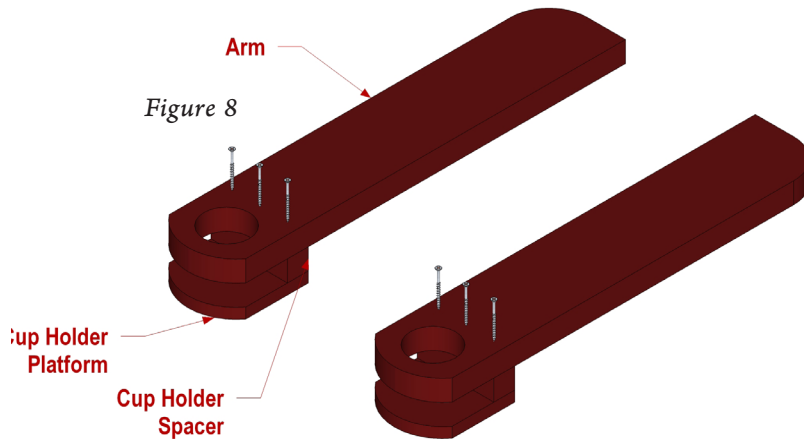
Figure 7



Apply glue to one face of the Cup Holder Spacer, position as shown in Figure 7, and attach using 1 1/4-inch deck screws.

Apply glue to the other face of the Cup Holder Spacer, position the assemblies as shown in Figure 8, and attach using 2 1/2-inch deck screws.

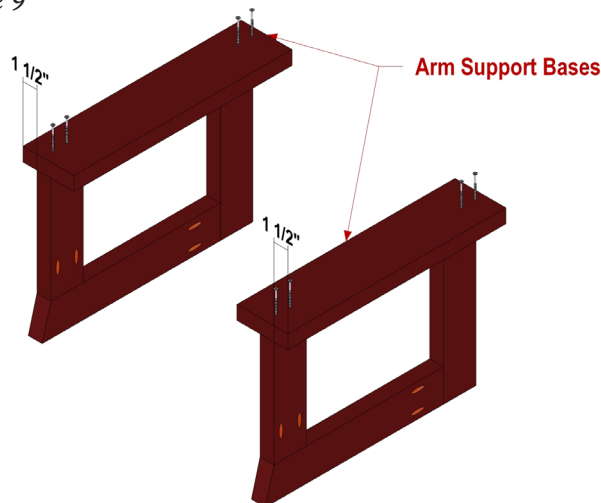
Figure 8



Position the Arm Support Bases as shown in Figure 9 and mark the position of the Arm Stiles on the part. Apply glue to these areas, reposition, and attach using 3-inch deck screws.

Use the layout in Figure 10 as a guide for creating the Arm Brackets. Mark the curve with a compass and cut the excess using a jigsaw.

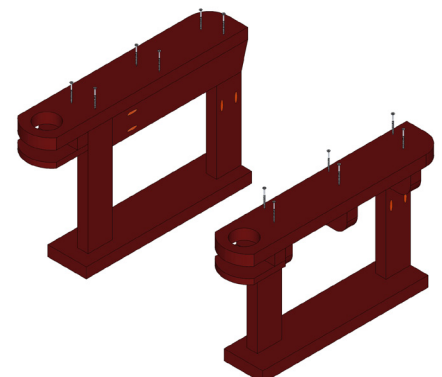
Figure 9



Apply glue to one of the non-curve ends of the Arm Brackets, position as shown in Figure 11, and attach using 3-inch deck screws.

Apply glue to the top edge of the Arm Support Rails and top end of the Long Arm Support Stile, position the Arm/Cup Holder assemblies as shown in Figure 12, and attach using 3-inch deck screws. On each assembly, make sure to drive one screw into each of the Arm Brackets, two into the Arm Support Rails and one into the Long Arm Support Stile.

Figure 12



Arm Bracket

Figure 10

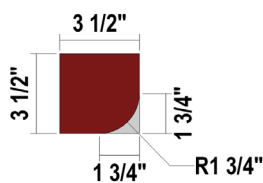
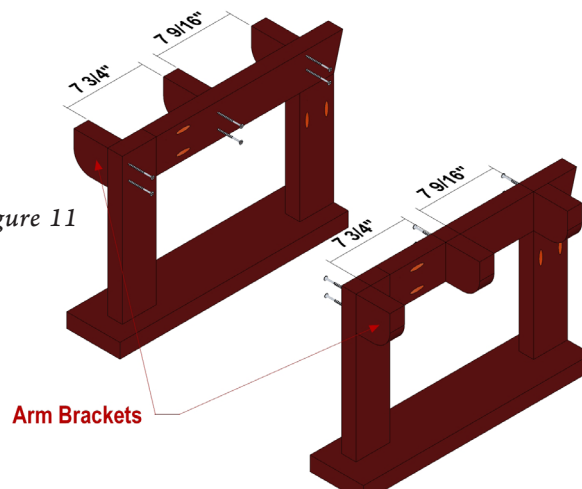


Figure 11



Attach Arm Assemblies to the Seat Assembly

Position the Arm assemblies on the Seat assembly as shown in Figure 13 and Figure 14 and mark the position of the parts. Remove, apply glue to the areas being joined, reposition and attach using 2 1/2-inch deck screws on the ends, and 3-inch deck screws underneath.

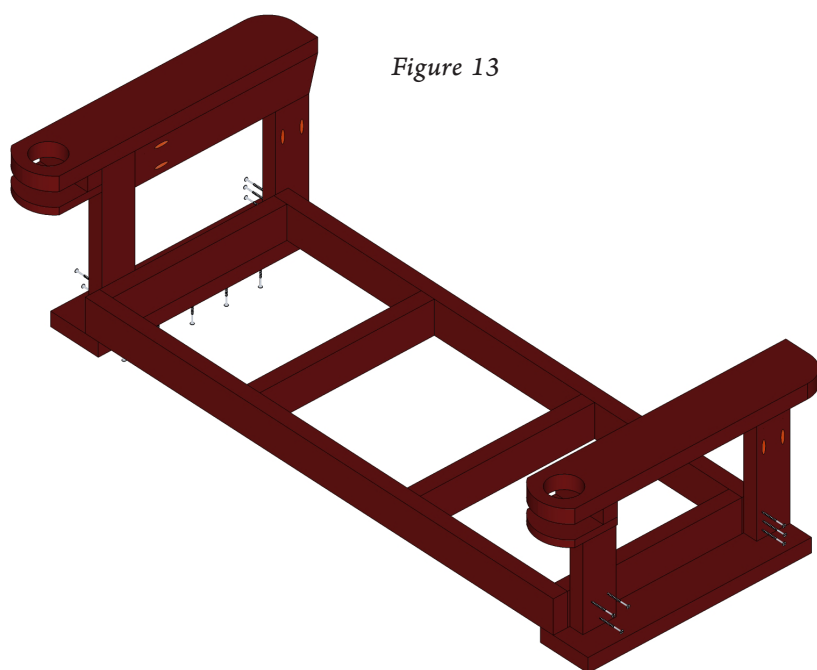


Figure 13

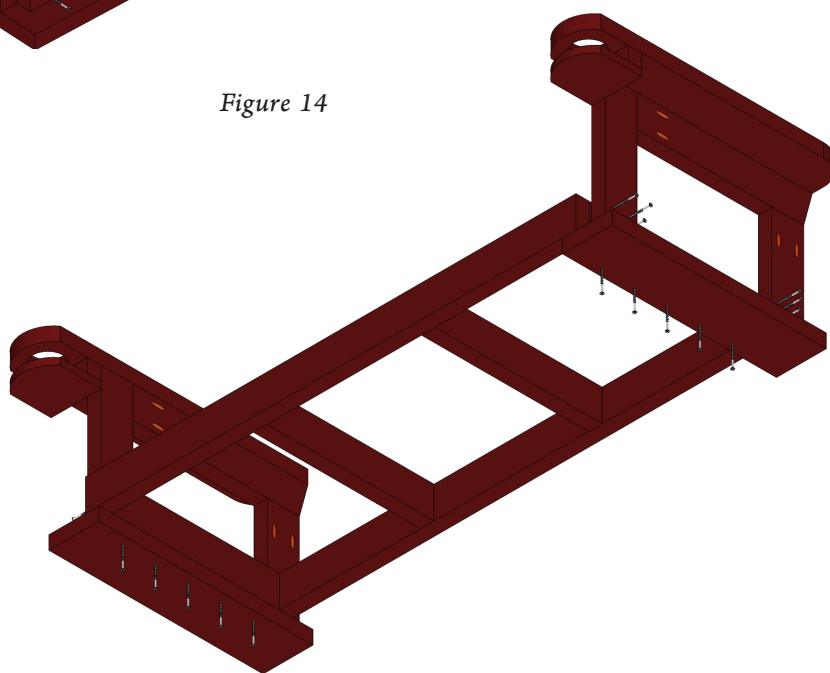


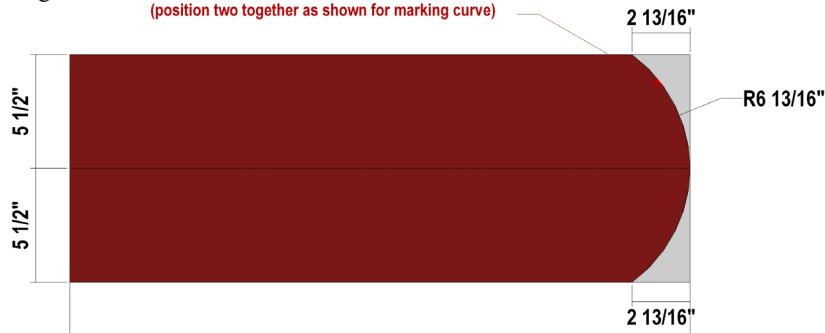
Figure 14

Use the layouts in Figure 15 and Figure 16 as guides for creating the End Back Slats and Long Back Slats. Use a compass to mark the curves and a jigsaw to cut away the excess.

End Back Slat

Technical drawing of a rectangular plate with a rounded corner. The overall length is 27 3/16 inches, the overall width is 5 1/2 inches, and the corner radius is R2 3/4 inches. The corner is shaded gray.

(position two together as shown for marking curve)

[illegible]

Final Assembly

Use Figure 18, Figure 19 and Figure 20 as guides for positioning and attaching the Back assembly to the Arm assemblies. The key point is making sure the Mid Back Support is flush against the mitered end of the Arm Support Rails and that the bottom of the Back Slats rests on the Side Seat Rail. Apply glue to the end of the Arm Support Rails and Attach the Mid Back Support to them using 3-inch deck screws. Also drive 3-inch deck screws through the Short Arm Support Stile and into the End Back Slats and Bottom Back Support. Figure 20 shows a detail look at the position of these screws.

Figure 18

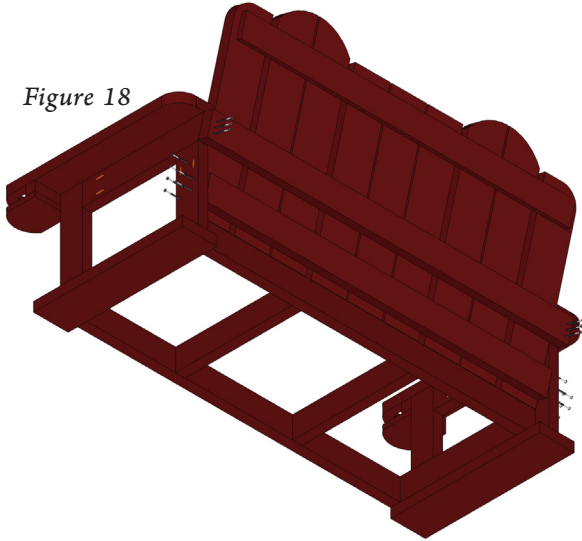


Figure 19

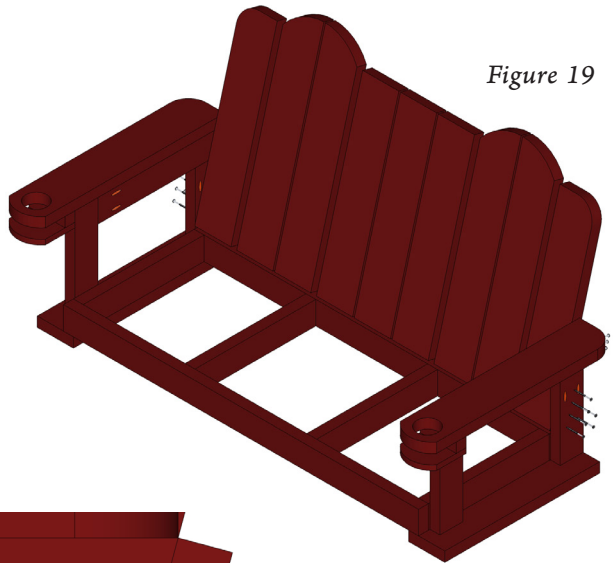
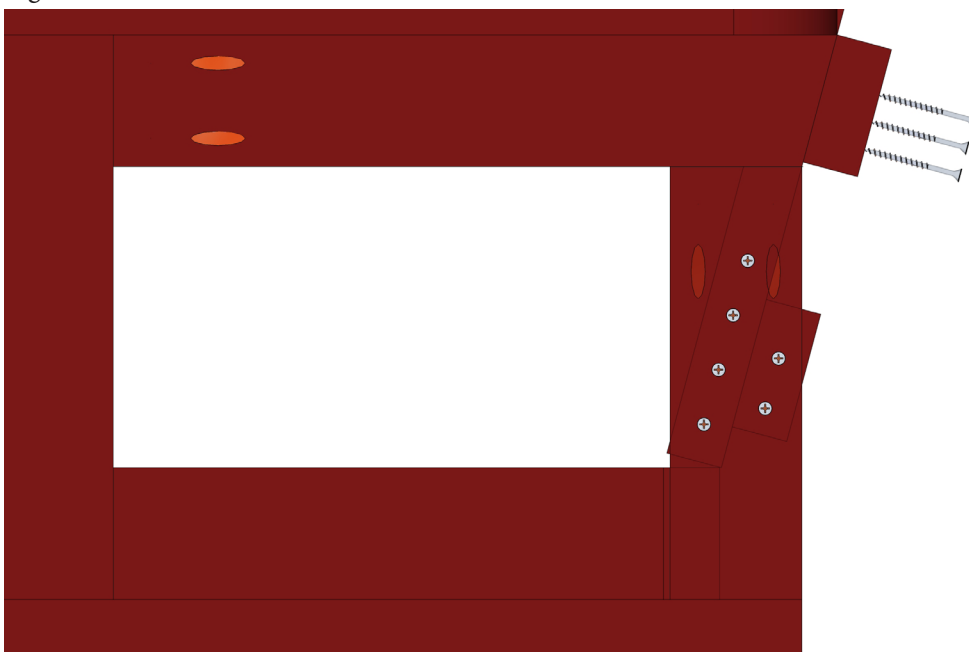


Figure 20



Apply glue to the top edge of the Stretchers and Seat End Rails, position one Seat Slat flush against the Back Slats, and attach to the Stretchers and Seat End Rails using 2 1/2-inch deck screws as shown in Figure 21.

Continue positioning Seat Slats flush against one another and attaching using 2 1/2-inch deck screws and glue until you have one left. On this last Seat Slat, use a sander to sand a rounded profile on both corners of one edge. Apply glue to the top of the front Side Seat Rail, position the unsanded edge of this Seat Slat flush against the next to last Seat Slat, and attach using 2 1/2-inch deck screws as shown in Figure 22.

Drill pilot holes for the screw eyes into each Arm, Long Arm

Support Stile and Arm Support Rail, and drive the screw eyes into these pilot holes as shown in Figure 23.

Drill pilot holes and drive screw eyes into the joists of your installation site. Attach heavy duty porch swing springs to these screw eyes.

Attach chain quick links to the screw eyes on the porch swing. Attach chain to the front quick links, feed the chain to the porch swing springs, back down to the back quick links and attach. Adjust as needed to reach the desired height and seat angle.

Stain or paint as desired.

Figure 21

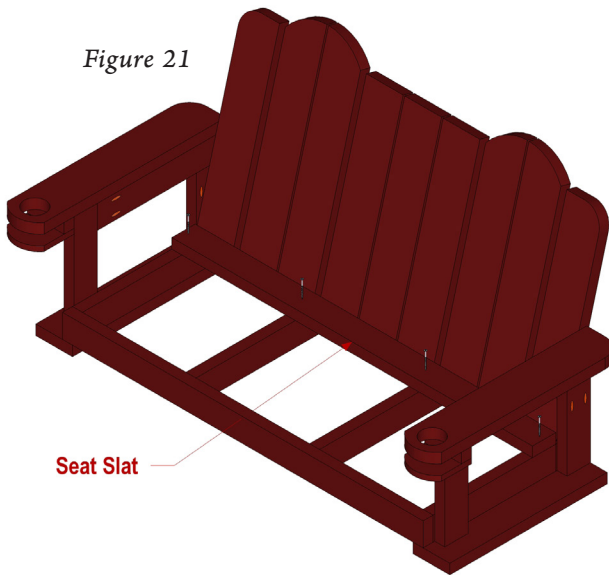


Figure 22

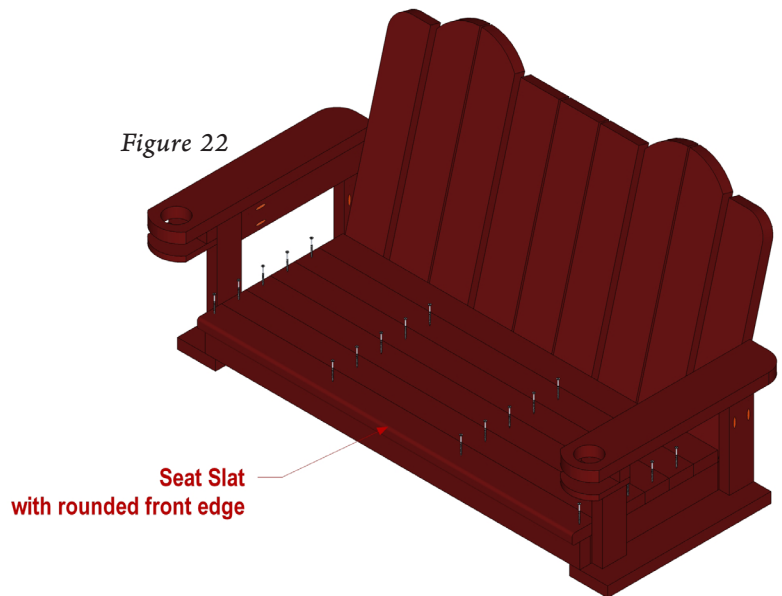


Figure 23

