Garden Chair

Every garden needs some furniture, who would not want to have place where he can rest in his garden. I think that every amateur woodsmith starts with easy garden furniture. This chair is made from oak wood identical parts. This is choused for easier assembling the chair, any slat you pick will be the right one. Also if you order precut wood parts you can assemble the chair only with a power drill and a screwdriver. The chair is assembled with woodscrews and connector bolts. Instead of woodscrews, wood dowel pins can be used, but in that case you will need clamps and glue.

Exploded View

Material List

- \( A \) (5) seat slats
- \( B \) (3) back slats
- \( C \) (2) back brace
- \( D \) (2) seat brace
- \( E \) (2) arm
- \( F \) (2) arm brace
- \( G \) (2) front and rear leg brace
- \( H \) (4) legs
- \( I \) (8) 1-¼” Connector Bolts
- \( J \) (2) 2” Connector Bolts
- \( K \) (48) #8 x 1½” Exterior woodscrews or ¼”DOWEL pins

Cutting Diagram

\( \frac{3}{4} \times 2 \frac{3}{4} \) - 48” oak

(22) \( \frac{3}{4} \times 2 \frac{3}{4} \) - 23” oak slats
First we start assembling the seat and back of the chair.
For insuring distance between slats we can use other parts of the chair, because the distance between slats is their thickness.

If you chose to use woodscrews you should drill a hole before screw them.

**MIND** that the braces on the back are not on the end of the back slats, they are \( \frac{3}{4}'' \) from the edge.

If you chose to use wood dowel pins, there are two ways of doing it, hidden or not. I think that if you are a beginner it is better to use woodscrews because it is easier and you need only power drill and screwdriver.

On the pictures you can see the distances for drilling holes either for woodscrews or dowels.
Now you can start assembling arms.

Again you can choose to use woodscrews or dowel pins, but it is better to use the same method as for the seat and back of the chair.

After assembling arms you can attach the legs. Rear leg in this phase is temporary attached because in the same joint you should connect back of the chair. Connector bolt for the front leg is 1⅛” long and for the rear leg is 2” long because in this point we have three parts to connect.
As the seat is ready we can put it on its place and now using 1\(\frac{1}{8}\)" connector bolts.

For reinforcing the construction we should put front and rear braces attached to the legs.

At the end we attach back of the chair and retighten all the connector bolts and woodscrews if it is necessary.

If you want to enhance the look of the chair you can chamfer the edges of the slats.

As you can see on the picture above you can chamfer all or only upper (outside) edges.
Using same principles you can make garden bench only now you should use double length of slats for seat, back and chair braces.