

PORCH SWING - BIRD FEEDER



This is a fairly simple project but be aware that you are dealing with small parts and take your time and pre-drilling nail holes will avoid from splitting the wood. BE CAREFUL!

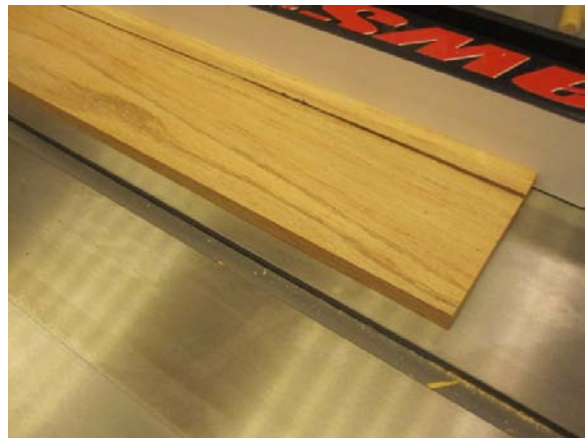
Start by planning two 40 inch long boards, one to 1/2" thick and the other to 1/4" thick. I use red oak but poplar and other hard woods will work. The 40 inch boards should be enough wood to make two feeders.



Sand both sides of each board.

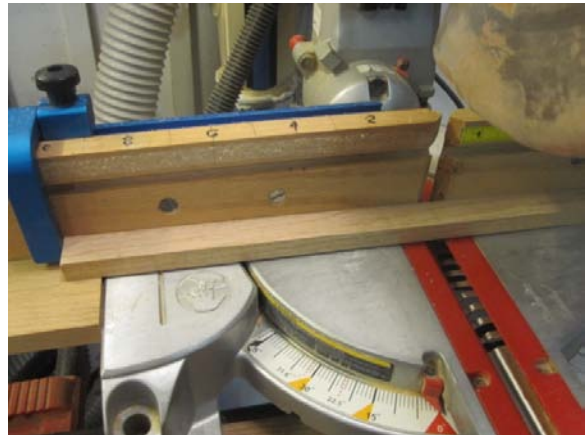


On the table saw rip a 1" wide strip as shown from the 1/2" inch stock. Use a push block and be careful with narrow pieces.

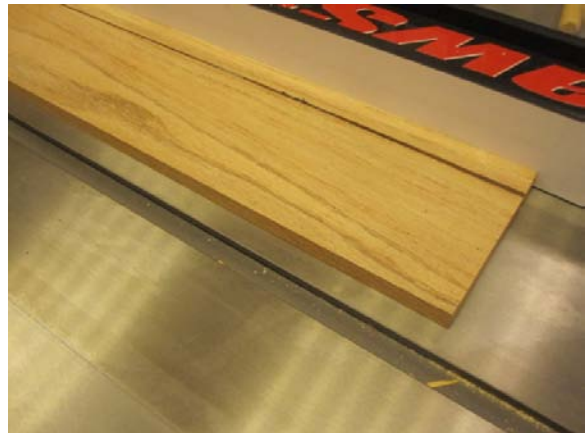


With the 1/2" thick and 1" wide strip, use the cut-off saw and cut pieces 10, 4 1/4" & 5 - 1/8" long as shown:

<u>Part</u>	<u>Name</u>	<u>Qty.</u>	<u>Dimensions</u>
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"

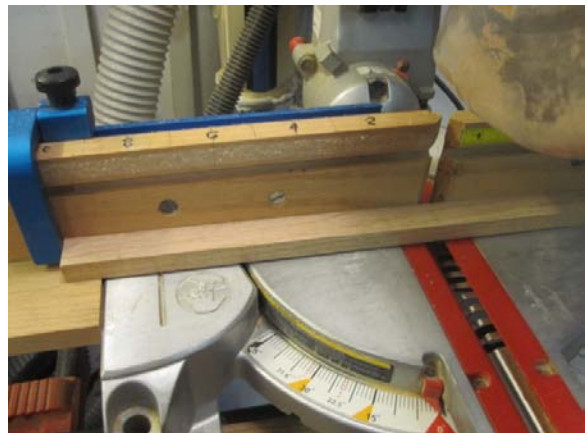


On the table saw rip a 3/4" strip as shown from the 1/2 inch stock. Use a push block and be careful with narrow pieces.



With the 1/2" thick and 3/4" wide strip, use the cut-off saw and cut pieces 9, 5 1/2" & 1 - 1/4" long as shown:

<u>Part</u>	<u>Name</u>	<u>Qty.</u>	<u>Dimensions</u>
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"



On the table saw rip a 5/8" wide strip from the 1/4 inch thick stock. Use a push block and be careful with narrow pieces.

With the 1/4" thick and 5/8" wide strip, use the cut-off saw and cut pieces 11-1/4", 1-1/8", 4 1/4" & 6" long as shown:

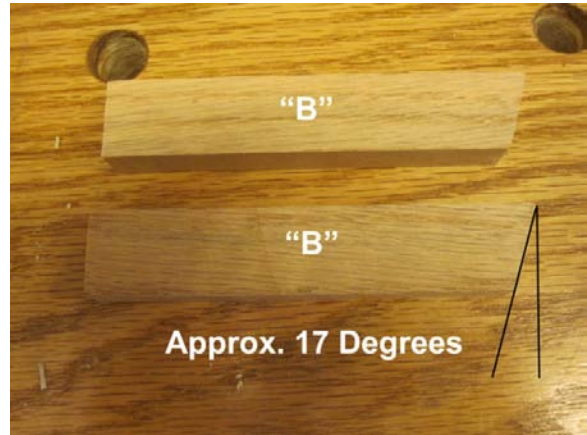
<u>Part</u>	<u>Name</u>	<u>Qty.</u>	<u>Dimensions</u>
G	Long Seat Boards	2	1/4" x 5/8" x 11 1/4"
H	Short Seat Boards	8	1/4" x 5/8" x 1-1/8"
J	Backrest Boards	12	1/4" x 5/8" x 4-1/4"
K	Armrest Caps	2	1/4" x 5/8" x 6"

On the table saw rip a 1/2" wide strip from the 1/4 inch thick stock. Use a push block and be careful with narrow pieces.

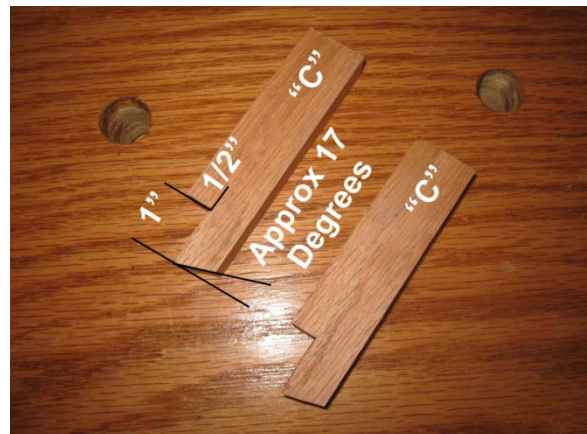
With the 1/4" thick and 1/2" wide strip, use the cut-off saw and cut pieces 10" & 3 - 7/8" long as shown:

<u>Part</u>	<u>Name</u>	<u>Qty.</u>	<u>Dimensions</u>
L	Long Screen Frame	2	1/4" x 1/2" x 10"
M	Short Screen Frame	2	1/4" x 1/2" x 3 - 7/8"

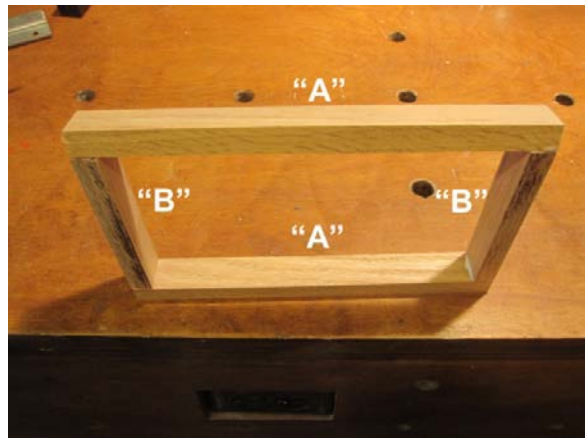
Cut the sides of the Seat Frame Ends "B" to 17 degrees as shown.



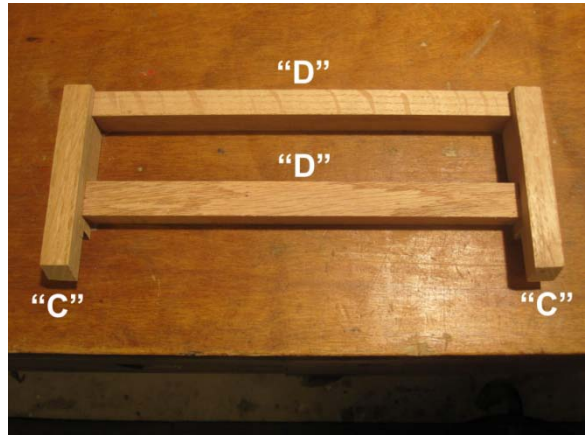
Cut the *Seat Back Sides* "C" to 17 degrees and then cut a 1-1/8" long 1/2" deep notch as shown



Glue the *Seat Bottom* A & B together as shown with all weather glue.



Glue the *Seat Back* "D" & "C" together as shown with all weather glue.



When the Glue dries on the *Seat Bottom* tack the bottom together with 1" brads nails



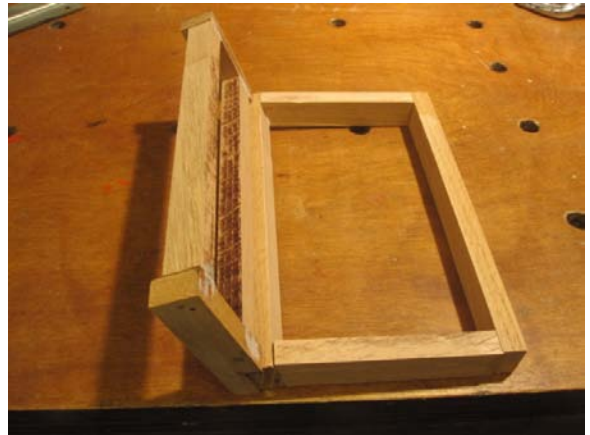
When the Glue dries on the *Seat Back* tack the back together with 1" brads nails



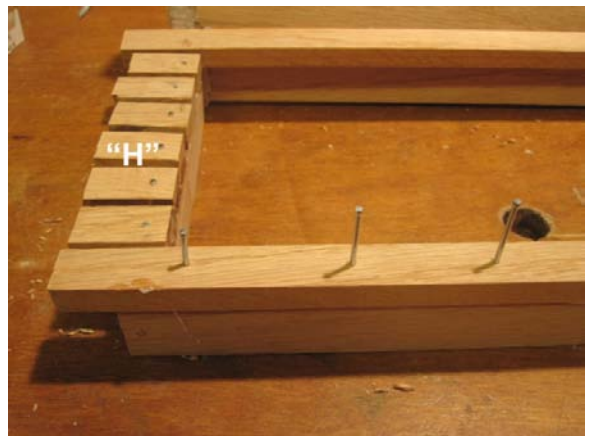
Glue and tack the *Seat Back* to the *Seat Bottom* as shown with 1" brads nails



Seat Back shown attached to the Seat Bottom



Glue the *Short Seat Boards* "H" to the sides as shown by aligning up the inside. Space the board equally. I used a 10 penny nail for spacing. When the glue dries tack the boards to the bottom with 5/8" brad nails.



With a straight edge mark a line on the *Short Seat Boards* "H" on each end and cut them off square with a band saw for a uniform edge.



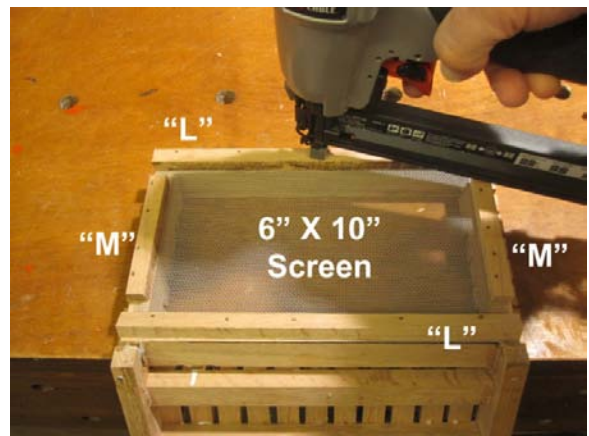
Glue the *Backrest Boards* "J" to the back as shown by aligning up the bottom. Space the board equally. I used two popsicle sticks for spacing. Make sure the boards "J" end up flush with the sides "C" by spacing accordingly.



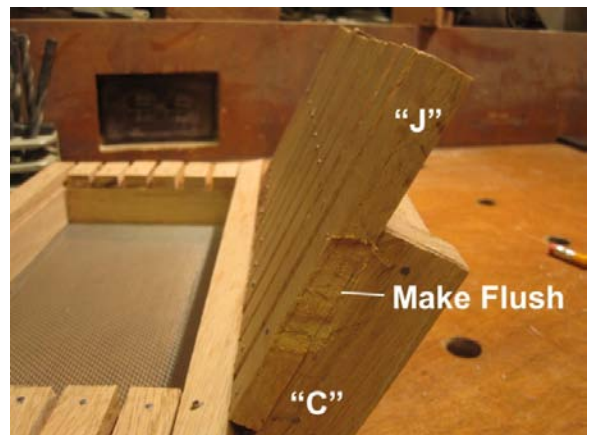
When the glue dries tack the *Backrest Boards* to the back with 5/8" brad nails and remove the spacers "popsicle sticks".



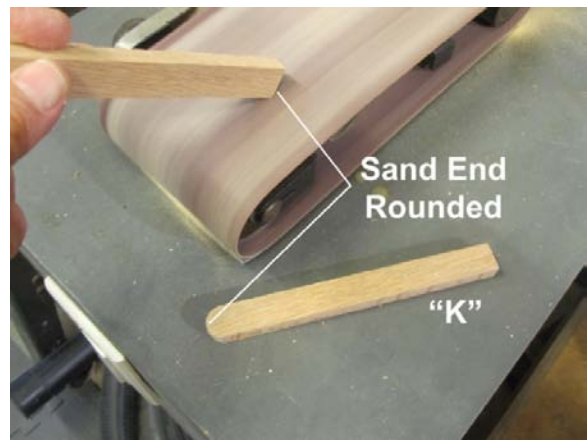
Attached the 6" X 10" Screen wire with "L" and "M" as shown with a 5/8" pin nailer.



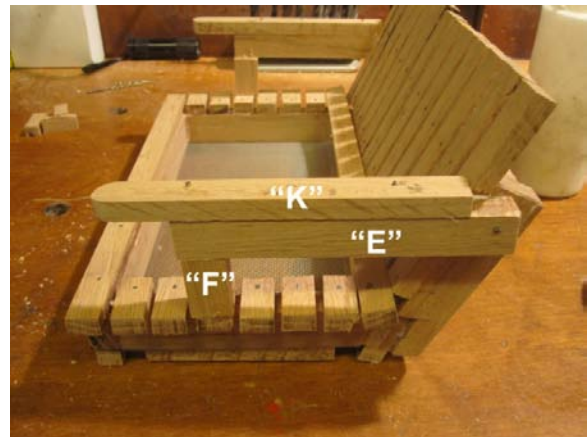
If "C" and "J" are not flush, then sand "J" until edge is flush for armrest.



Sand *armrest* end to a rounded corner.



Glue and tack attach *armrest assembly* "F", then "E" and then "K" as shown. Paint with a clear sealer.



Add Hooks and Chains as shown and add Bird Seeds.

