

Your entire family will enjoy using this woodworking project. Use inexpensive materials like pine or poplar to build it.



Steps to Take:

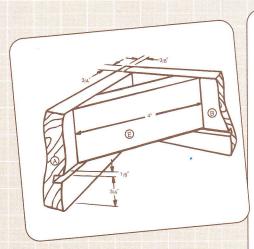
- Cut the sides (A), ends (B) and cleats (C) to the dimensions given on the Bill of Materials.
- On the table saw set the distance from fence to blade at 3/4" and the blade height to 3/8". Cut a 1/8" wide groove the full length of each of the side and end pieces to accommodate the playing area board (D). Make sure the tempered hardboard will fit into the groove.
- Reset the saw fence so it is 3/4" from the outside of the blade and cut a 3/4" wide by 3/8" deep rabbet on the same side of each end of the two side pieces (see Figure 1).
- On the inside of each of the end pieces (Part B), measure in 16" and 20" to mark with the width for the 1" high goal holes and use a saber saw to cut them out. The bottom of this opening should be level with the top edge of the groove.
- Use 1/8" tempered hardboard and cut the playing area (D) to size.
- Cut the corner braces (E) to the size indicated on the Bill of Materials with mirrored 45 degree miters on each end (see Figure 1).
- Refer to Figure 2 and dry assemble the pieces to check for fit. Make any adjustments necessary.

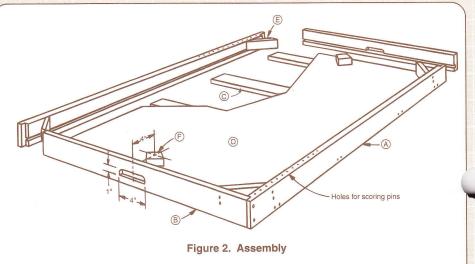
Tools Needed:

Saber saw, table saw, router, chamfering bit, screw driver

Materials Needed: #6 flat head screws, 3/4" pine or poplar wood, 1/8" hardboard, hardwood for pucks and strikers, glue, goggles and safety glasses, ear plugs, lacquer, sanding sealer, small brushes, green enamel paint, steel wool, paste wax

Bill of Materials Finished Size Piece Quantity Part W 2 A 3/4" 3" 48" sides 36" ends 2 B 3/4" 4 C 3/4" 35-1/4" cleats 1/8" 36" 47-1/4" play area 1 D 4 E 3/4" 2-1/8" 4" corner braces 2 F 2" goal blocks 3 G 1/2" 2" diameter pucks 3-1/4" diameter 4 H striker bases 4 -1-1/4" diameter striker handles





1	1-1/4" x # keep the a tapered	e the two end walls to one side wall using 6 flat head wood screws and glue. To wood from splitting drill pilot holes with I drill bit and counter-sink.	Go over everything with a fine sandpaper and get all the edges and accessories as smooth as possible. Brush or, preferably, spray a lacquer sanding sealer over the entire game. One coat is sufficient, but two may give it a better playing surface.
	the final s	playing board into the groove and attach side wall. Inderside of the board, attach the cleats	Finish the board by applying one or more coats of clean lacquer to the entire game.
	on center the game	on center at 4" and 17-1/2" from each end; then flip the game over and glue and screw the four corner braces into place.	Use green enamel for the 1/2" wide field lines (16" from the inside of each end) and goal lines. Mark each line with masking tape before painting so lines are straight.
	goal block Bill of Mar a router w the top of	rardwood (for its durability), cut out the cs (F) to the dimensions indicated on the terials. Before you install these pieces, use with a chamfering bit to roll the edges of each of the goal blocks. Do the same to seed edges of the assembled game.	After the enamel has dried use a very fine steel wool to apply several coats of paste wax on the inside walls, and playing area (carnauba wax works well). The puck should be given several coats and rubbed out between coats.
	the outsid the goal s dry, flip th	carefully center the goal blocks 4" in from de edge of the game and right in front of slots as shown in Figure 2. When they are de board over and, with supports under the ks, drill and screw them in place through	 □ With everything dry, spray the entire playing area and puck with a silicone slip spray. □ As a final touch cut the feet out of a new pair of white athletic socks and staple them onto each
	these piec Cut the piece from the coside) for the streem of for the streem of each Again, us top and be into place	pucks and strikers. Use hardwood for ces as there will be less give in the wood. ucks to size; sand and taper the edges out center (creating a convex shape on each petter sliding ability. Make several to	goal slot to catch the puck. Scoring Pin (actual size) Strikers Strikers 31/2*
			Figure 3 The Game Pieces
			Rules Players cannot hit the puck when it's behind the green goal lines at each end. Otherwise
-		Completed Hockey Table	follow the general rules of hockey.
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