

HART™



Bar Cart

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PROJECT PLAN

Skill Level: Intermediate

Materials

Item	Qty
2" x 3" x 8' Board*	2
2" x 2" x 8' Board*	2
1" x 2" x 8' Board*	1
3/8" Dowel Rod	1
2" 18-Gauge Brad Nails	1 Box
1-1/2" Wood Screws	8
Mini Caster Wheels	4
Wood Glue	
Wood Filler	

* Board Dimensions are "nominal". Actual dimensions are smaller due to lumber industry standards. Cuts are actual length.

A select/premium board or plywood comes with a smoother surface finish. It is clear or has very few tight knots, and it will have straight and sharp edges. This grade of wood pairs well with other boards or panels better and requires less time to sand and finish.

Tools Used



Miter Saw



Brushless Drill



Brushless Impact Driver



Pencil



Tape Measure



Safety Glasses

ALSO NEEDED: Brad Nailer, 3/8" Drill Bit, T25 or PH2 Drill Bit, Pocket Hole Jig, 3" Corner Clamps

Battery Tip: A 4.0 Ah battery is recommended to be paired with high amp draw tools for maximum efficiency.

Lumber Cut List

Board*	Description	Cut to	Qty
2" x 3" x 8'	Board* Frame Legs	34.5"	4
2" x 3" x 8'	Board* Frame Supports	12"	2
2" x 2" x 8'	Board* Shelf Top & Bottom	24"	4
2" x 2" x 8'	Board* Shelf Sides	12"	4
1" x 2" x 8'	Board* Shelf Slats	12"	26
3/8"	Dowel Rod Glassware Hanger	25.5"	2

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Assembly Instructions

Step 1

Use your miter saw to cut four pieces of 2x3 at 34.5" long with a 45-degree angle cut on ONE end of each.

Step 2

Use your miter saw to cut two pieces of 2x3 at 12" long with a 45-degree angle cut at BOTH ends.

Step 3

Use your miter saw to cut four 2x4 pieces at 24" long (all with straight-edged cuts).

Step 4

Use your miter saw to cut four 2x4 pieces at 12" long (all with straight cuts).

Step 5

Use your miter saw to cut 26 1x2 pieces at 12" long.

Step 6

Grab your four 2x3 pieces of wood along with your two 2x3 pieces of wood. Add wood glue to each of the 45-degree angle cuts.

Step 7

For this step, you will be making two side pieces of your cart. You will need two 2x3x34.5" pieces and one 2x3x12" for each side.

Step 8

Using wood glue and a corner clamp, line your 45-degree cuts up, placing the 2x3x23" on top of the 2x3x34.5". Your angles should align perfectly, and you should be looking at a U-type shape.

Step 9

With the clamp still attached, grab two 1.5" wood screws and drill them into the top of each corner—this will add extra security to the handles of your bar cart.

Step 10

Now that your handles are secured, you can remove the clamps and flip your pieces over.

Step 11

Now grab four pieces of 1x2x12".

Step 12

Using a pocket hole jig, create two pocket holes on the bottom of EACH side of your 1x2x12" pieces.

Step 13

Next, use your measuring tape to measure and mark 2" from the bottom of each of the 2x2x3" legs. Then, measure and mark 6" from the top on each of the 2x2x3" handle pieces you assembled in Step 8.

Step 14

Now that you have your measurements marked use your drill and pocket hole jig bit to attach two 2x2x12" pieces at your 2" mark from the bottom and two 2x2x12" inch pieces at your 6" mark from the top. Both sides of your bar cart should now be finished.

Step 15

Now grab four 2x2x24" pieces of wood and add two pocket holes on the bottom of EACH side.

Step 16

Now you can create the top and bottom shelf. Line up two of your 2x2x24" pieces to the bottom 2x2x12" pieces.

Then line up two 2x2x24" to the top 2x2x12" pieces. Be sure to assemble them in the direction that allows you to connect your handles WITH these 2x2x24" pieces you just attached.

Step 17

Once the shelves are attached, the framework of the bar cart is complete. Now it's time to grab all 26 of the 1x2x12" pieces you cut in Step 5.

Step 18

Add wood glue to the sides of each 1x2x12" piece.

Step 19

Using your brad nailer, place your first 1x2x12 approximately 1/2" from your side leg and nail it into both the front and back part of the frame. Continue to do this across the top and bottom parts of your bar cart trays. We recommend leaving a 1/2" gap between each slat.

Step 20

Now decide where you want your dowels to be on the top tray of your bar cart. We placed ours 4" from the top of the bar cart handles. Use your drill and 3/8" drill bit to secure the dowel in place.

Step 21

Now drill four holes, two on each side, where you'll insert the dowel rod. Fill each hole with a little bit of wood glue before inserting the dowel rod—this will provide extra stability and prevent the dowel from spinning.

Step 22

Slide your dowel rod into each hole and let the wood glue dry.

Step 23

Now for the final step. Flip your bar cart over and add one caster wheel to each leg of your cart.

Finish your bar cart with the paint or stain of your choice. If you prefer to leave it unfinished, seal it with a clear coat. Once the paint or stain has completely dried, find a home for your new bar cart, stock it with your bar favorites, and serve up some drinks and enjoy!