

Honey Straining Rack

This rack was designed by TJ Carr. [Purchasing Guide:](#)

Item	Quantity	Dimensions
2x2 dimensional lumber	2	12 foot
1x3 dimensional lumber	1	8 foot
1x6 dimensional lumber	1	8 foot
1x2 dimensional lumber	2	8 foot
½" plywood	1	2 feet x 4 feet
1 ¼" screws		

Cutting Guide

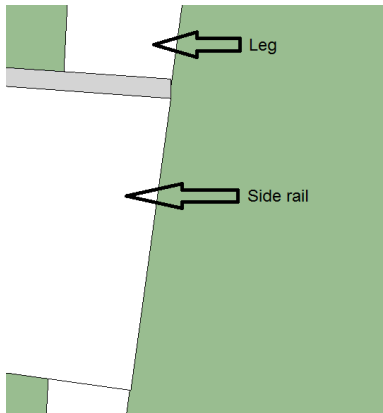
Item	Quantity	Stock Size	Dimensions
Legs	4	2x2	55"
Top Side Rails	4	1x3	20"
Bottom Side Rails	4	1x6	20"
Long Shelf Supports	4	1x2	17"
Short Shelf Supports	3	1x2	15 ½"
Top Shelf	1	½" Plywood	10 3/8" x 20"
Bottom Shelf	1	½" Plywood	18 ½" x 20"

Assembly

Please refer to the drawings on the next page.

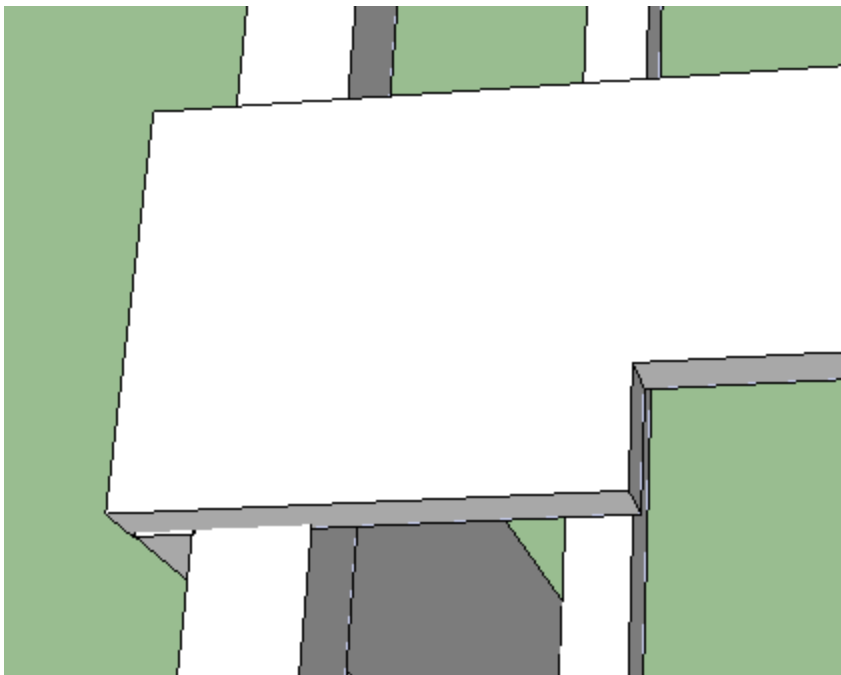
Start by measuring and marking 23 inches from one end of each leg. This marks the top of the bottom side rails.

1. The drawings show that the front side rail has a cutout in the top. The cutout is 1 5/8" deep and 8 inches wide. Each cut is 6 inches from the end of the rail. This cutout is to allow the bucket to be pulled forward so the honey gate is protruding out from the rack to make decanting honey easier. Cut this cutout in one of the side rails.
2. Attach the first bottom side rails to two of the legs with three countersunk screws on each side. The top of the side rail should be on the 23 inch mark that was made in step 1. The ends of the side rail should be flush with the outside edge of the legs as shown in the detail below. This creates a long side of the rack and a short side.



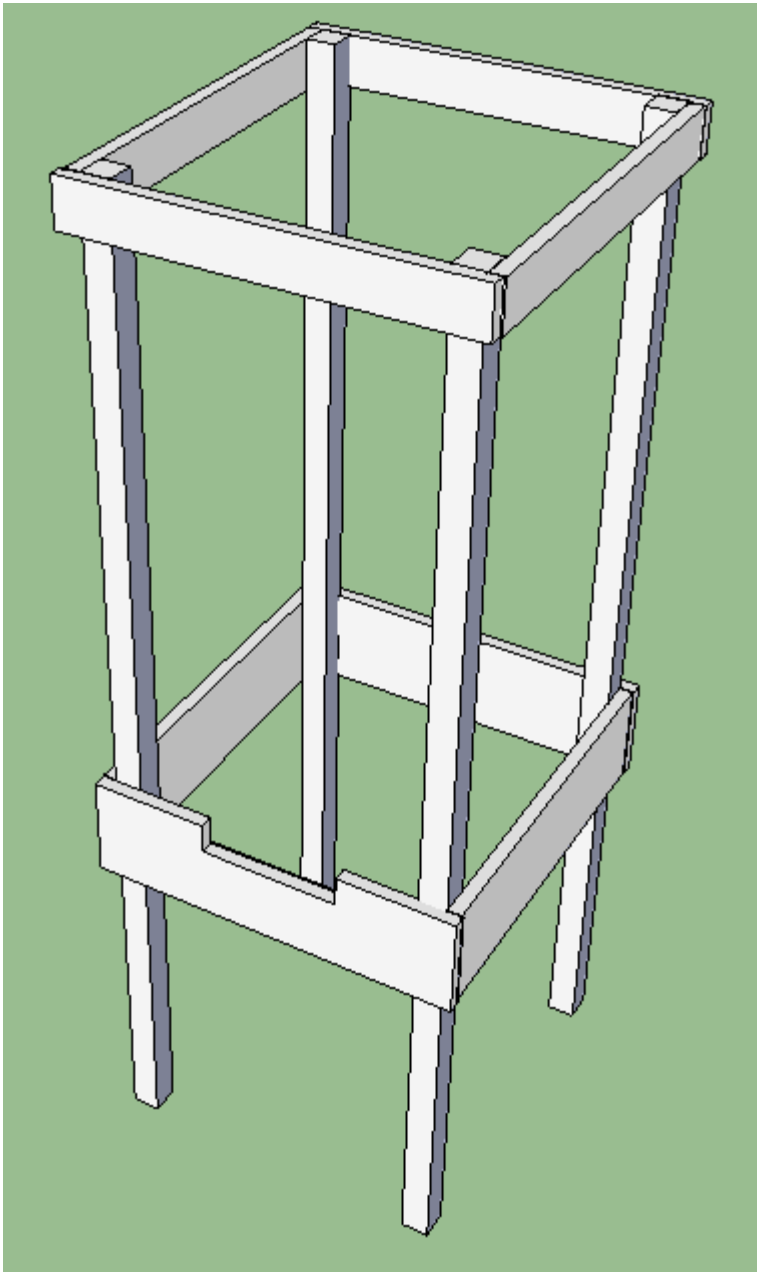
Side Rail and Leg Detail

3. Repeat step 2 with another side rail and the other two legs.
4. Next the front side rail (the one with the cutout) is attached. Stand each of the assembled leg/side rail units up next to each other. Attach the front side rail flush with the 23" line and flush with the outside of the side rail that is attached to the first leg. Ensure that everything is square before fastening. See details below.



Attach Front Rail, flush with Side Rail on top and side.

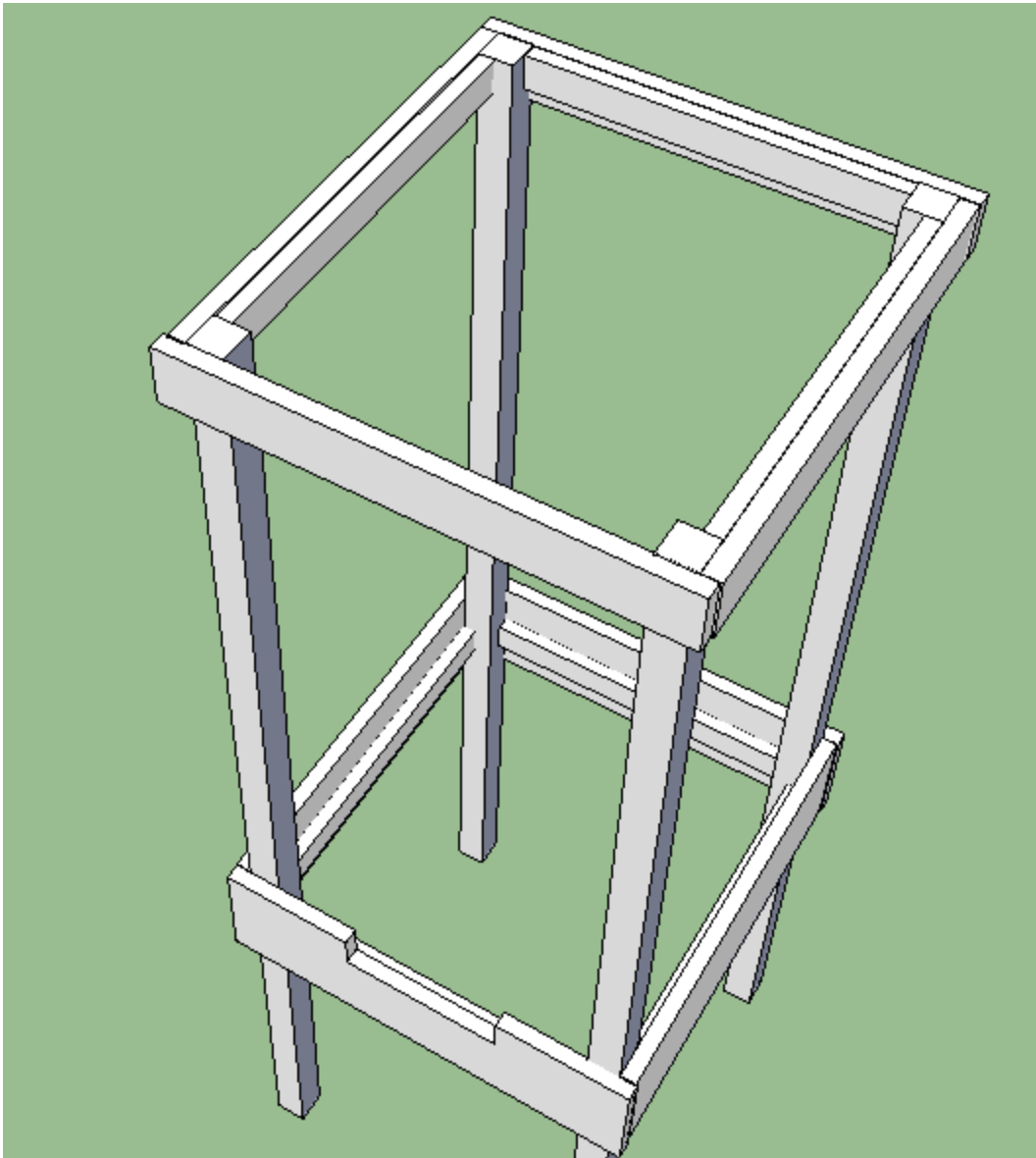
5. Repeat on the other leg, keeping everything flush and square.
6. Flip the leg/rail assembly over and attach the back side rail in the same manner.
7. Attach the top side rails on the long side so that the tops of the rails are flush with the ends of the legs, and the ends of the side rails are flush with the sides of the legs. Make sure it is square before fastening with countersunk screws.
8. Attach the other top side rails so that they are flush with the ends of the legs and flush with the outside edge of the other side rails.



Assembled Rails and legs

9. Next the shelf supports are attached. Start with the top. Insert the first long support between the legs of the stand. It should fit snugly between the legs. Position it flush with the top of the legs and side rails. Attach it with six countersunk screws.
10. Attach the other long top shelf support as described in step 9.
11. Attach the short top shelf support to the back of the rack with 5 countersunk screws.
12. For the bottom shelf supports, start with the front of the rack. Measure down 2 1/8 inch from the top of the bottom side rail and make a mark on the inside of the side rail. Repeat on each side rail.

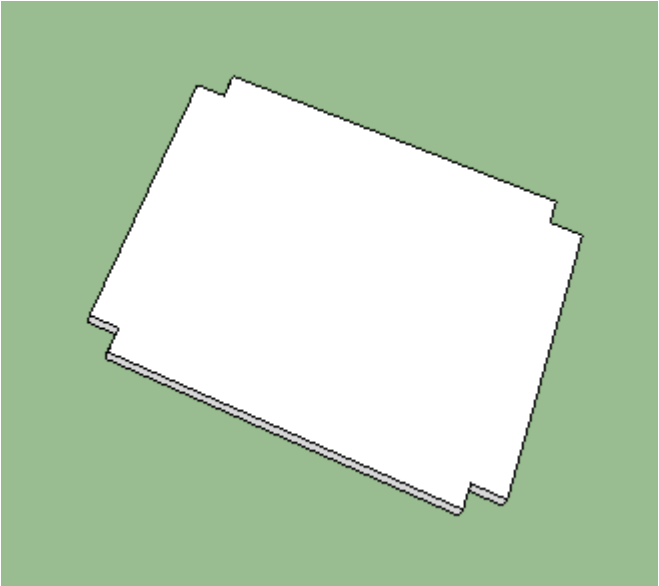
13. Insert the first short shelf support between the legs on the front and attach it to the front side rail with 5 countersunk screws, ensuring the top of the shelf support is on the 2 1/8 inch line.
14. Attach the back shelf support on the back rail as described in step 13.
15. Attach the long shelf supports on the side rails using 6 countersunk screws, ensuring the tops of the shelf supports are flush with the line. Once the shelf supports are all installed, the rack will look like the illustration below. Notice that there is no front top shelf support.



Shelf supports installed.

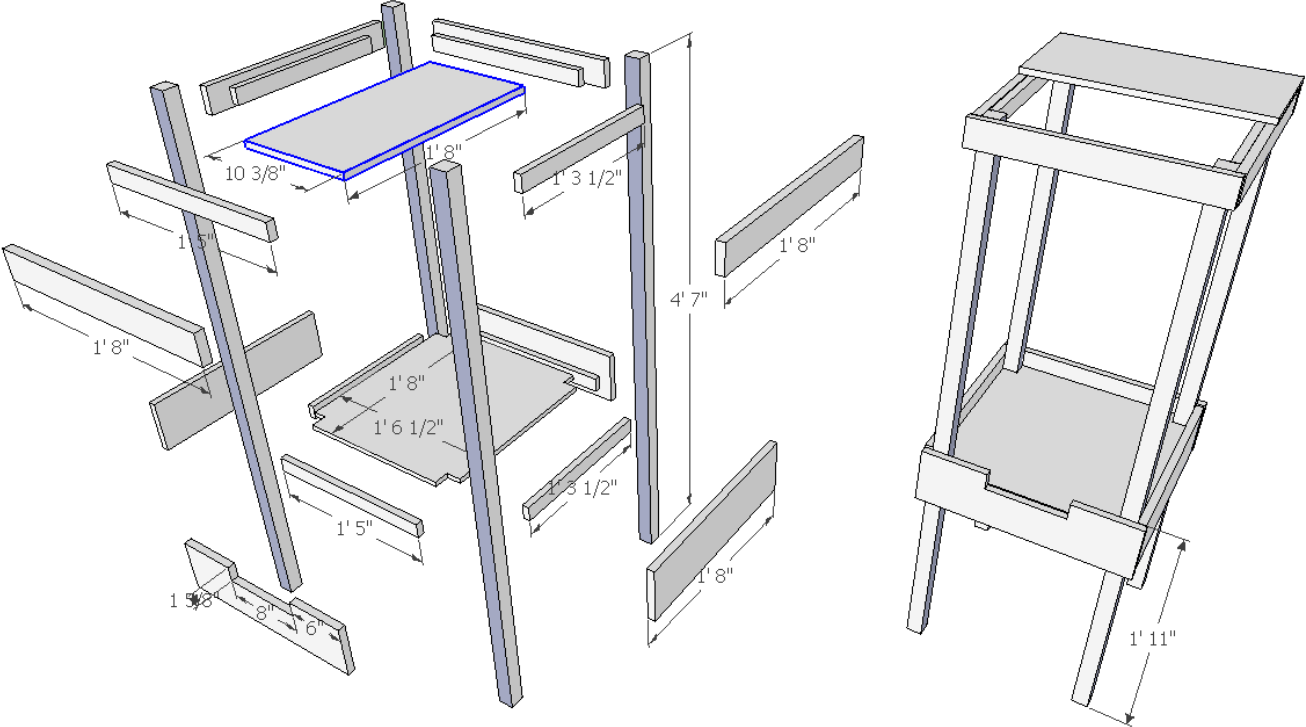
16. Attach the top shelf to the side rails and shelf supports with countersunk screws. The shelf goes to the rear of the rack.
17. The bottom shelf needs to have cutouts for the legs before it can be installed. On each corner of the bottom shelf, measure 1 1/2" from the edge and draw a line. Repeat

on each corner and each edge until you have a 1 1/2" square drawn in each corner. Cut out the squares with a jig saw. The finished shelf is shown in the illustration below.



Bottom Shelf with leg cutouts

18. Install the bottom shelf, being sure to orient the long side of the shelf with the long side of the rack. It should just drop in. This shelf does not need to be fastened to the rack. This makes it easy to remove if necessary for cleaning. This completes assembly of the rack.3



Exploded view and assembled view of the rack with dimensions.