

Marta's Kitchen Island



MATERIALS:

- (2) 2x2x8 Ft. Boards
- (2) 1x4x8 Ft. Boards
- (4) 1x2x8 Ft. Boards
- (1) 4x4 Ft. Sheet of 3/4-Inch Plywood
- (1) 1 1/2-inch Thick Butcher Block
- 1 1/4 inch Pocket Hole Screws
- Wood Glue
- (4) 3-inch Locking Swivel Casters
- (4) 5/16-inch Tee Nuts

CUT LIST:

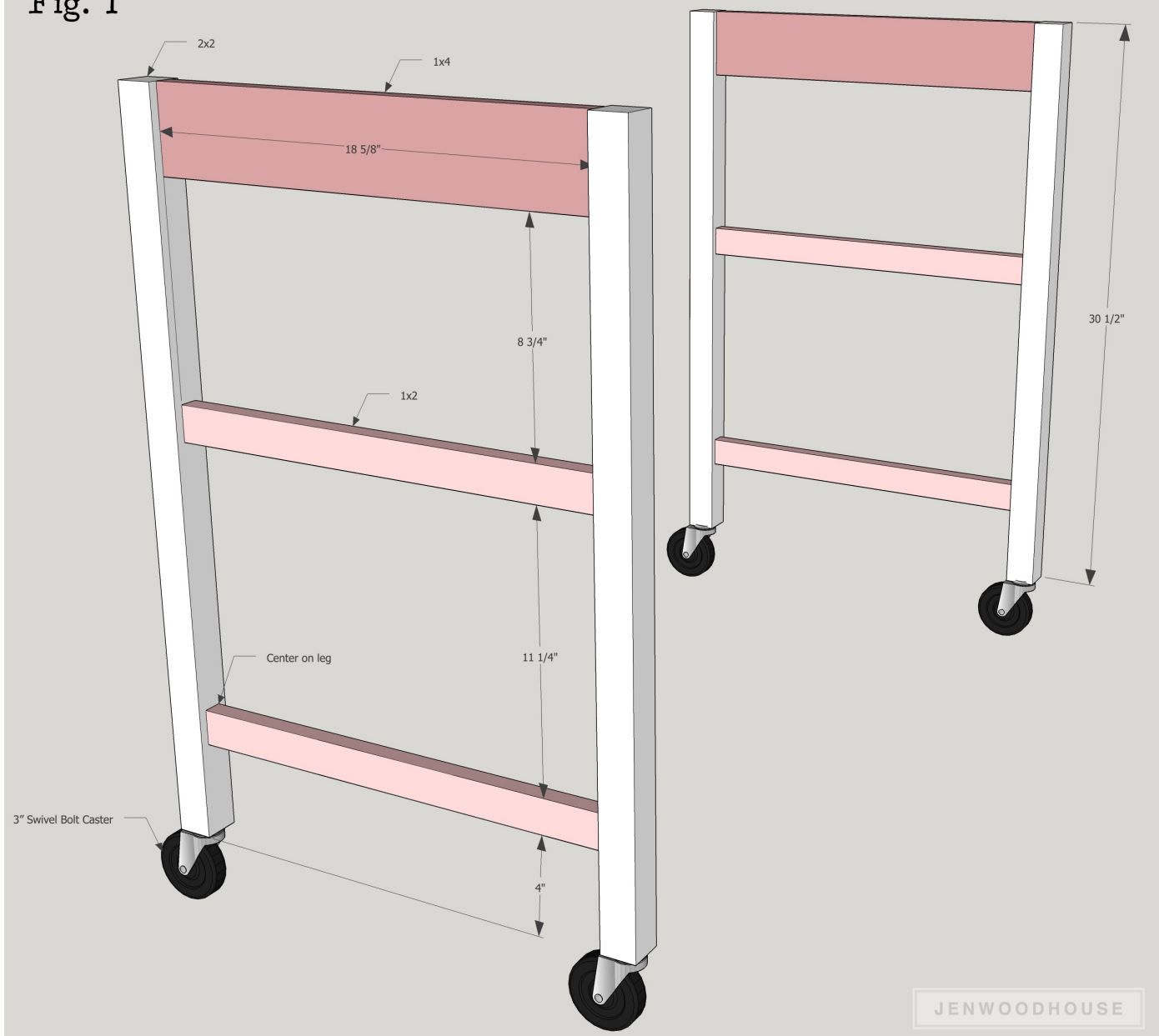
- (4) 2x2 @ 30 1/2 inches (legs)
- (4) 1x2 @ 18 5/8 inches (short rails)
- (2) 1x4 @ 18 5/8 inches (short aprons)
- (2) 1x4 @ 42 1/2 inches (long aprons)
- (4) 1x2 @ 42 1/2 inches (long rails)

TOOLS:

- Tape Measure
- Pencil
- Carpenter's Square
- Drill with 5/16-inch Drill Bit
- Circular Saw
- Pocket Hole Jig
- Jigsaw
- Mallet
- Safety Glasses
- Hearing Protection

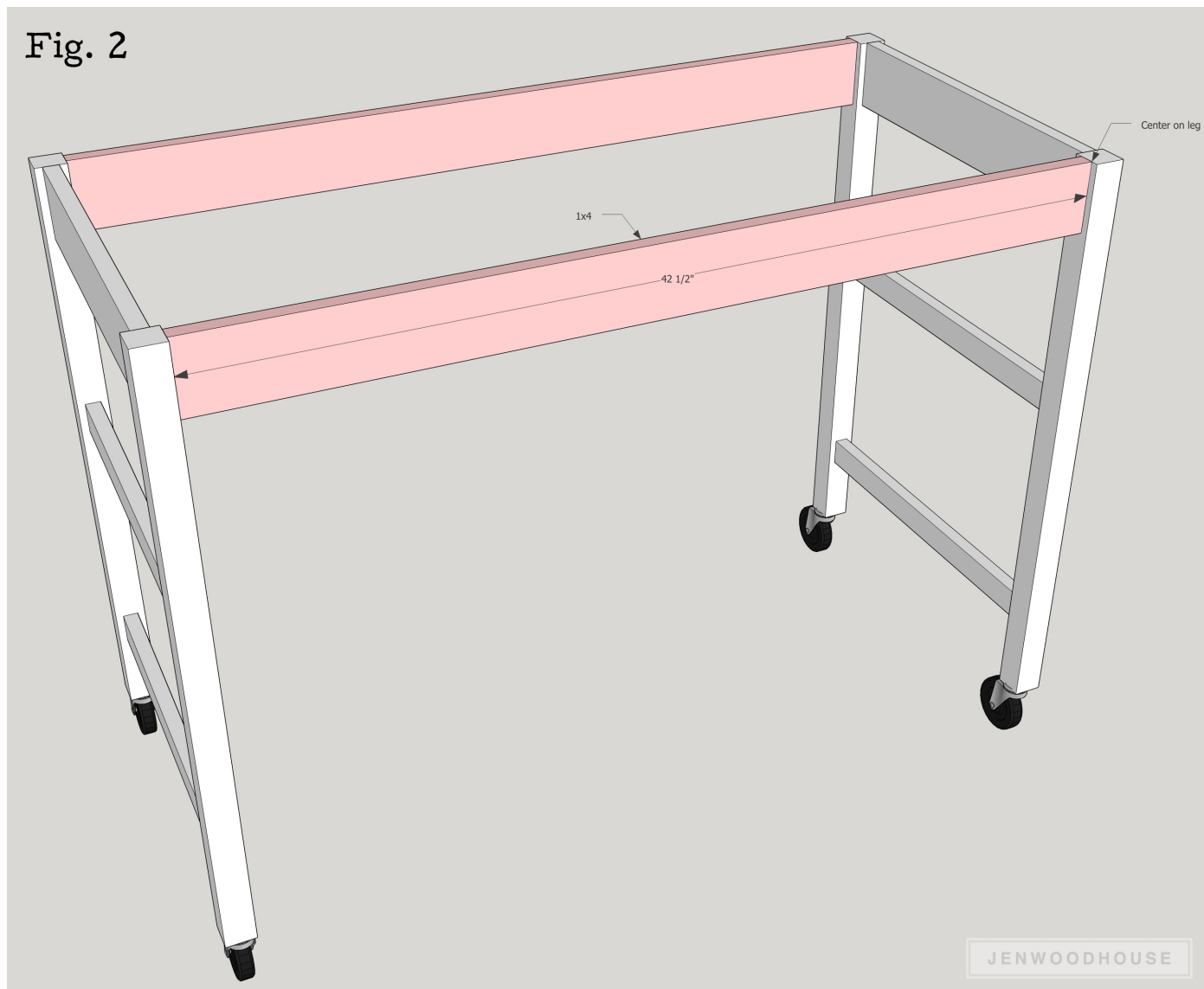
- (6) 1x2 @ 19 3/8 inches (shelf supports)
- (3) 1x4 @ 19 3/8 inches (top supports)
- (2) 3/4-inch plywood @ 44 3/4" x 20 7/8" (shelves)
- (1) 1 1/2 inch thick butcher block @ 50 3/4" x 27" (top)

Fig. 1



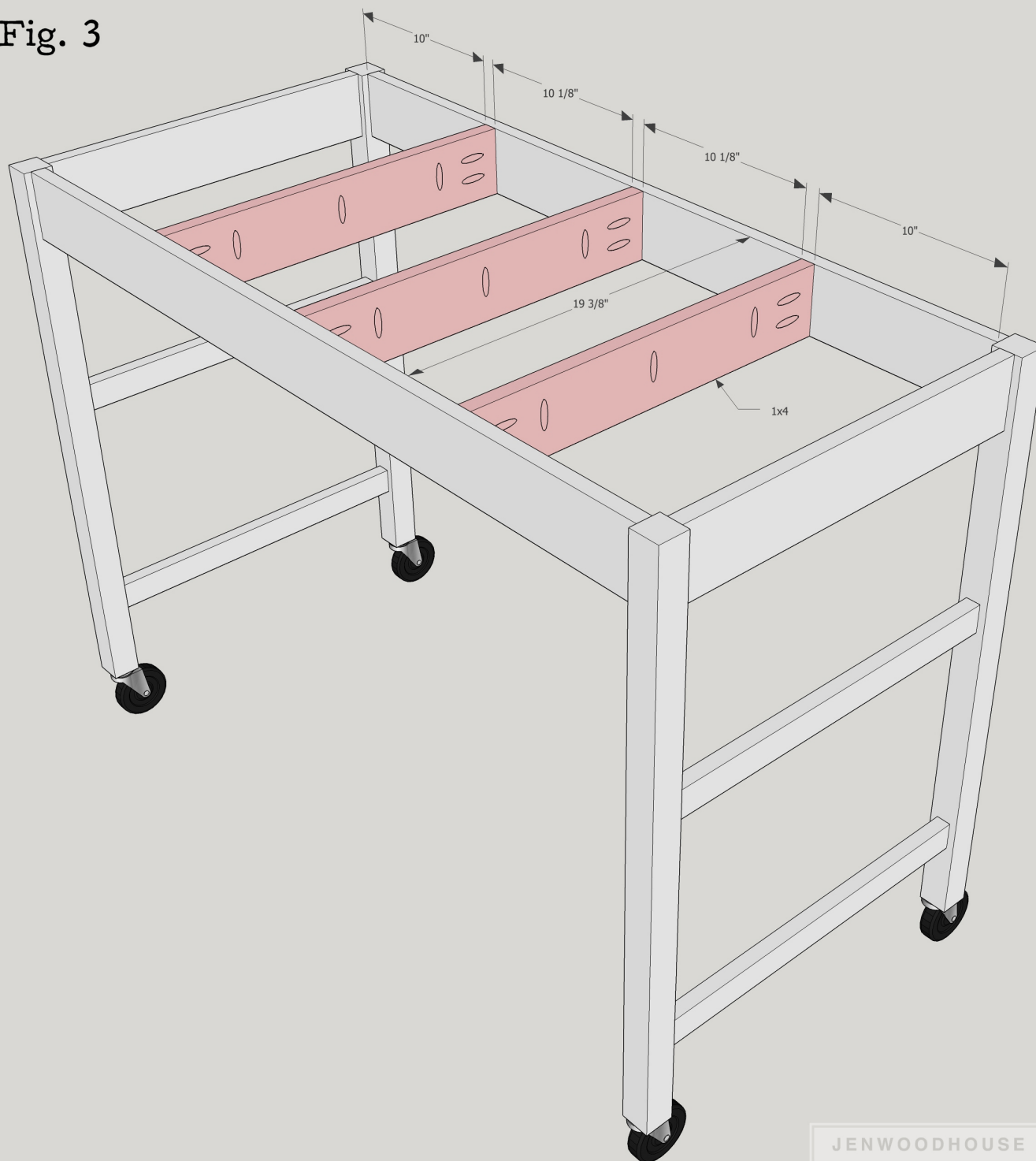
STEP 1

Measure, mark, and cut 2x2 legs to length. Cut 1x4 short aprons and 1x2 short rails to length. Drill $\frac{3}{4}$ inch pocket holes into the ends and top edge of the aprons and rails. Center them on the leg and attach with 1 $\frac{1}{4}$ inch pocket hole screws and wood glue. Build two of these sides.

Fig. 2**STEP 2:**

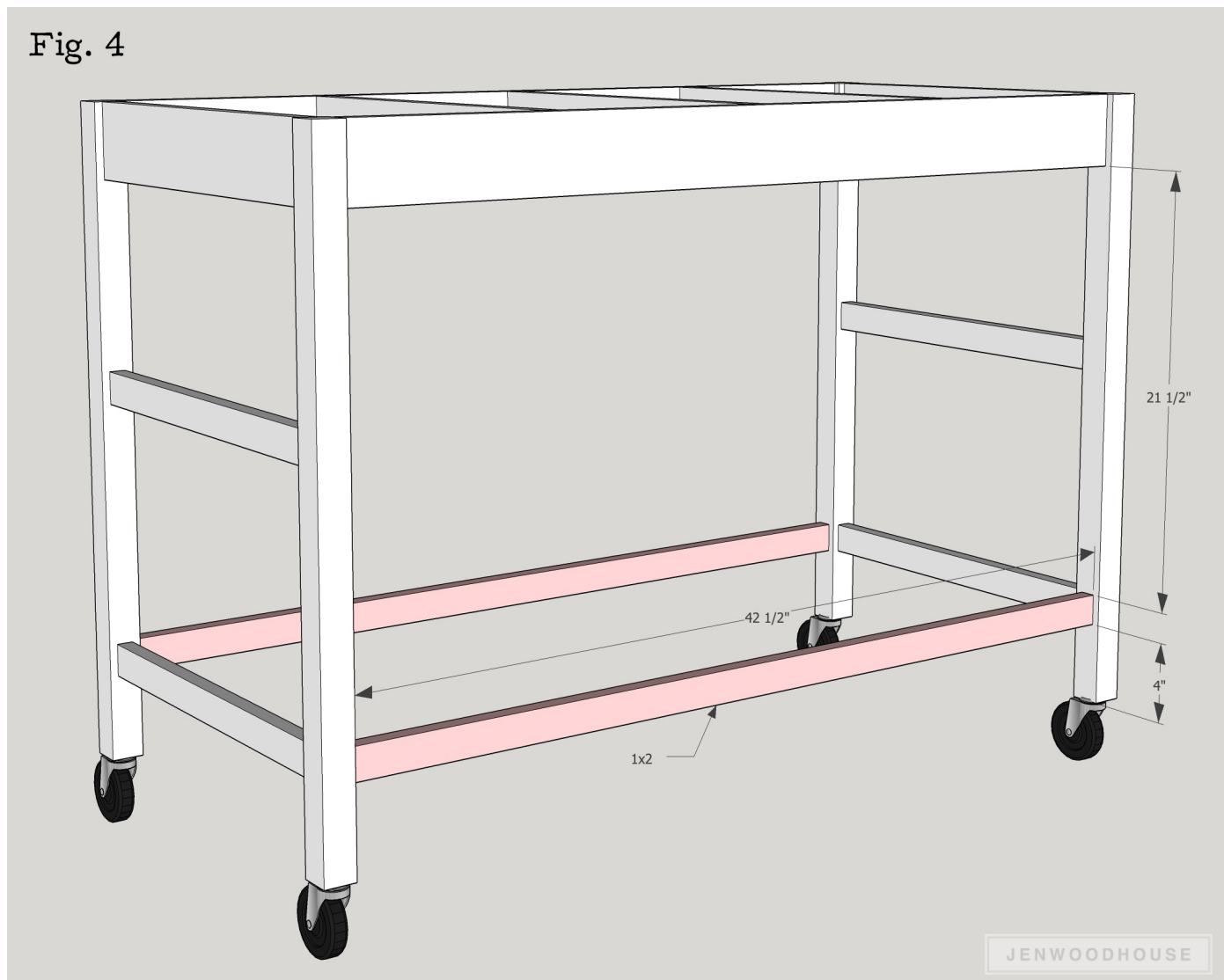
Measure, mark, and cut 1x4 long aprons to length. Drill $\frac{3}{4}$ " pocket holes into the ends and top edge of the boards. Center the aprons on the legs and attach with 1 $\frac{1}{4}$ inch pocket hole screws and wood glue.

Fig. 3

**STEP 3:**

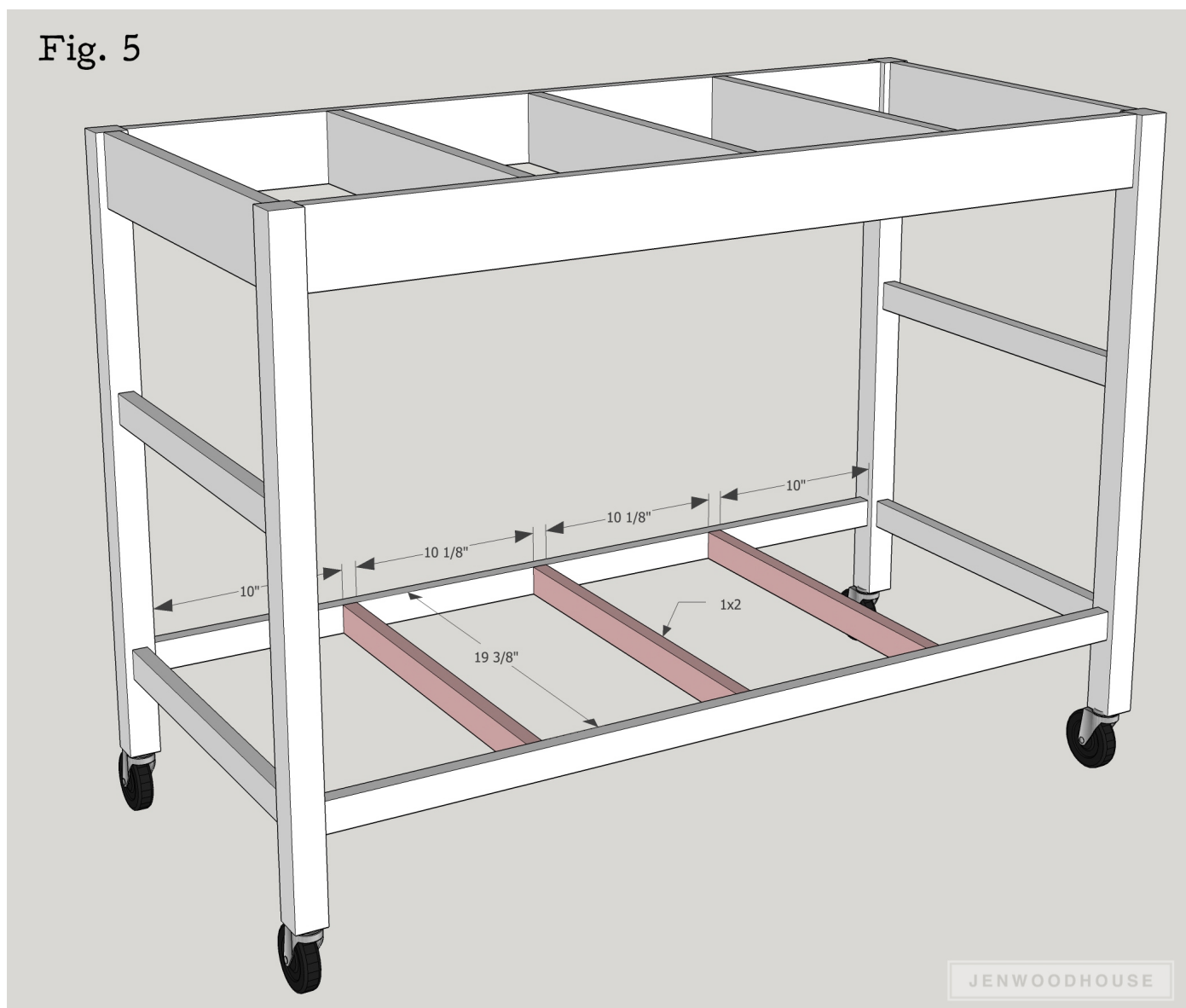
Measure, mark, and cut 1x4 supports to length. Drill $\frac{3}{4}$ inch pocket holes into the ends and edges of the boards as shown. Position the supports on the long aprons as shown and attach with $1\frac{1}{4}$ inch pocket hole screws and wood glue.

Fig. 4

**STEP 4:**

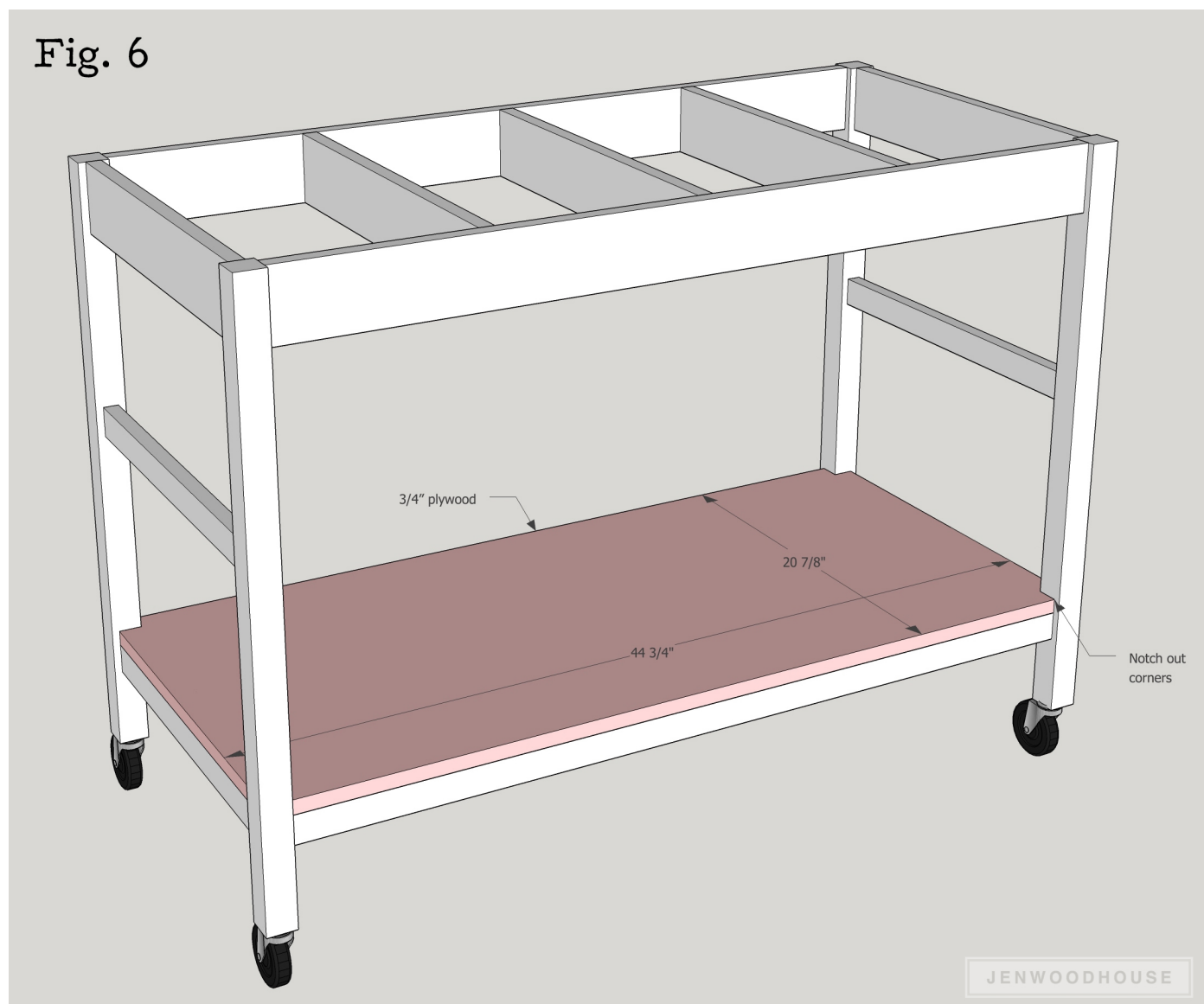
Measure, mark, and cut 1x2 lower rails to length. Drill $\frac{3}{4}$ inch pocket holes into the ends and top edges of the boards, center on legs, and attach with 1 $\frac{1}{4}$ inch pocket hole screws and wood glue.

Fig. 5

**STEP 5:**

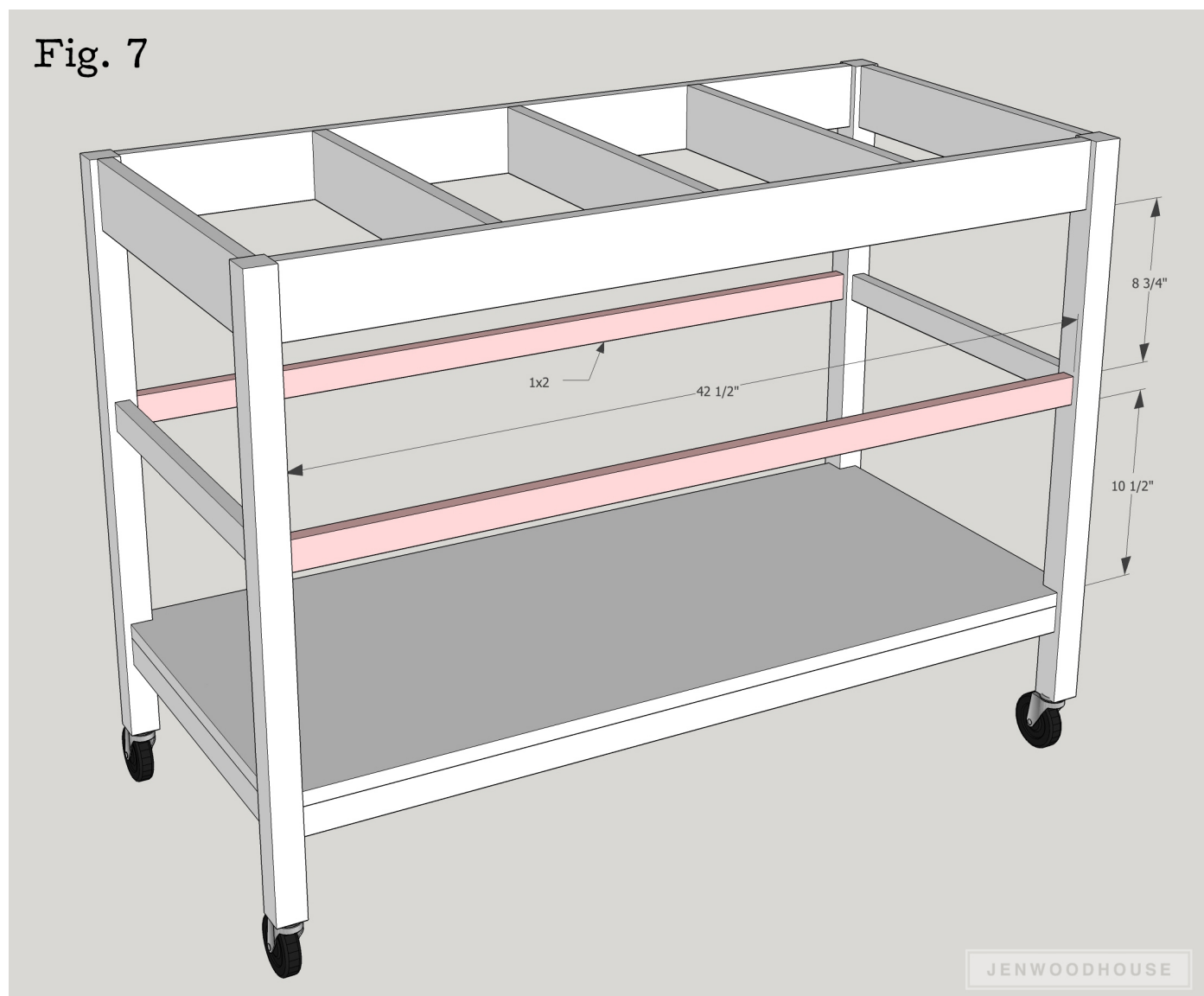
Measure, mark, and cut 1x2 lower supports to length. Drill $\frac{3}{4}$ inch pocket holes into the ends and top edges of the 1x2 supports. Position and attach them to the lower rails with $1\frac{1}{4}$ inch pocket hole screws and wood glue.

Fig. 6

**STEP 6:**

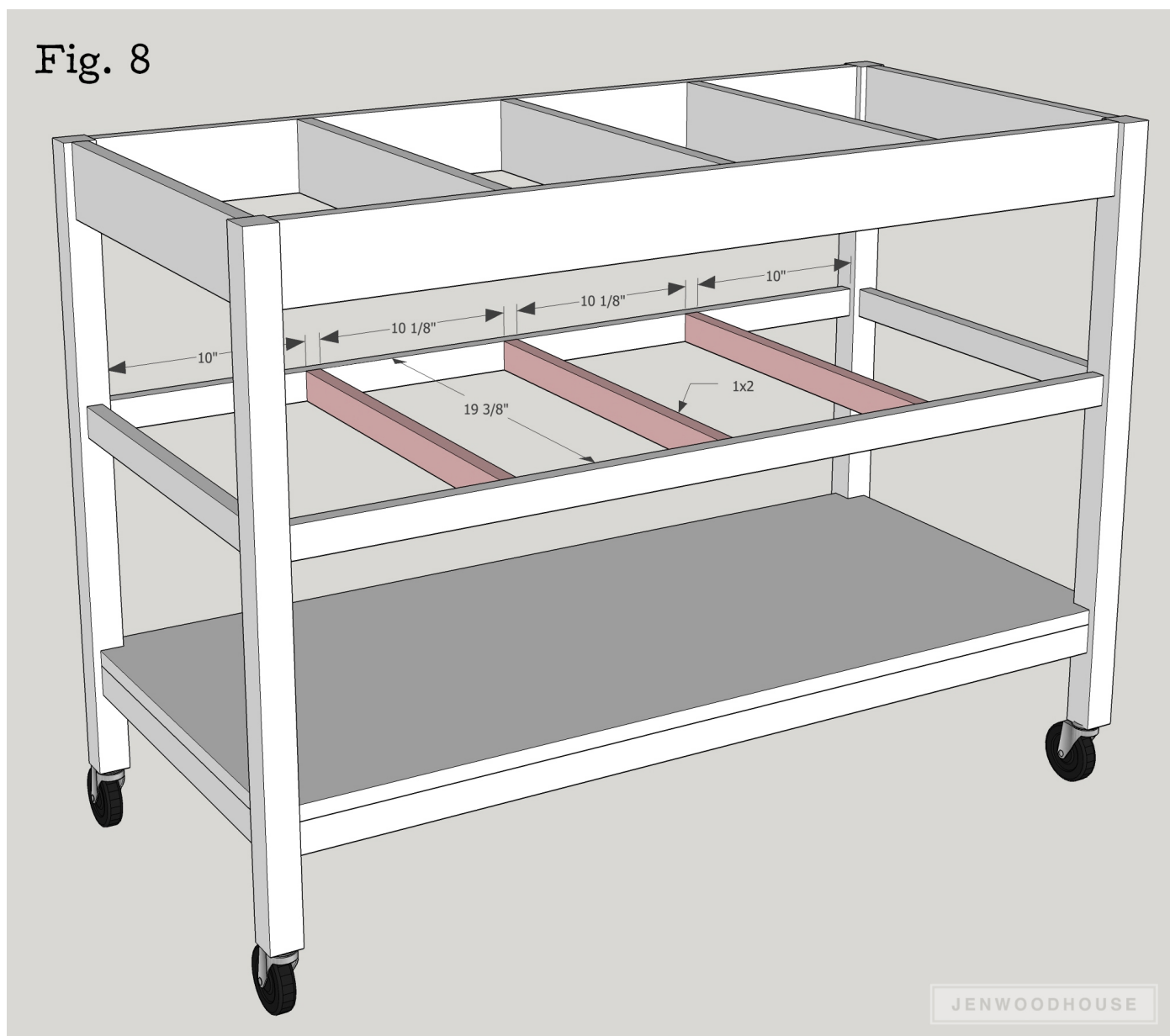
Measure, mark, and cut $\frac{3}{4}$ -inch plywood to size. Using a jigsaw, notch out corners as shown. Drop the plywood shelf into place and attach to the 1x2 lower rails and supports with $1\frac{1}{4}$ inch pocket hole screws and wood glue.

Fig. 7

**STEP 7:**

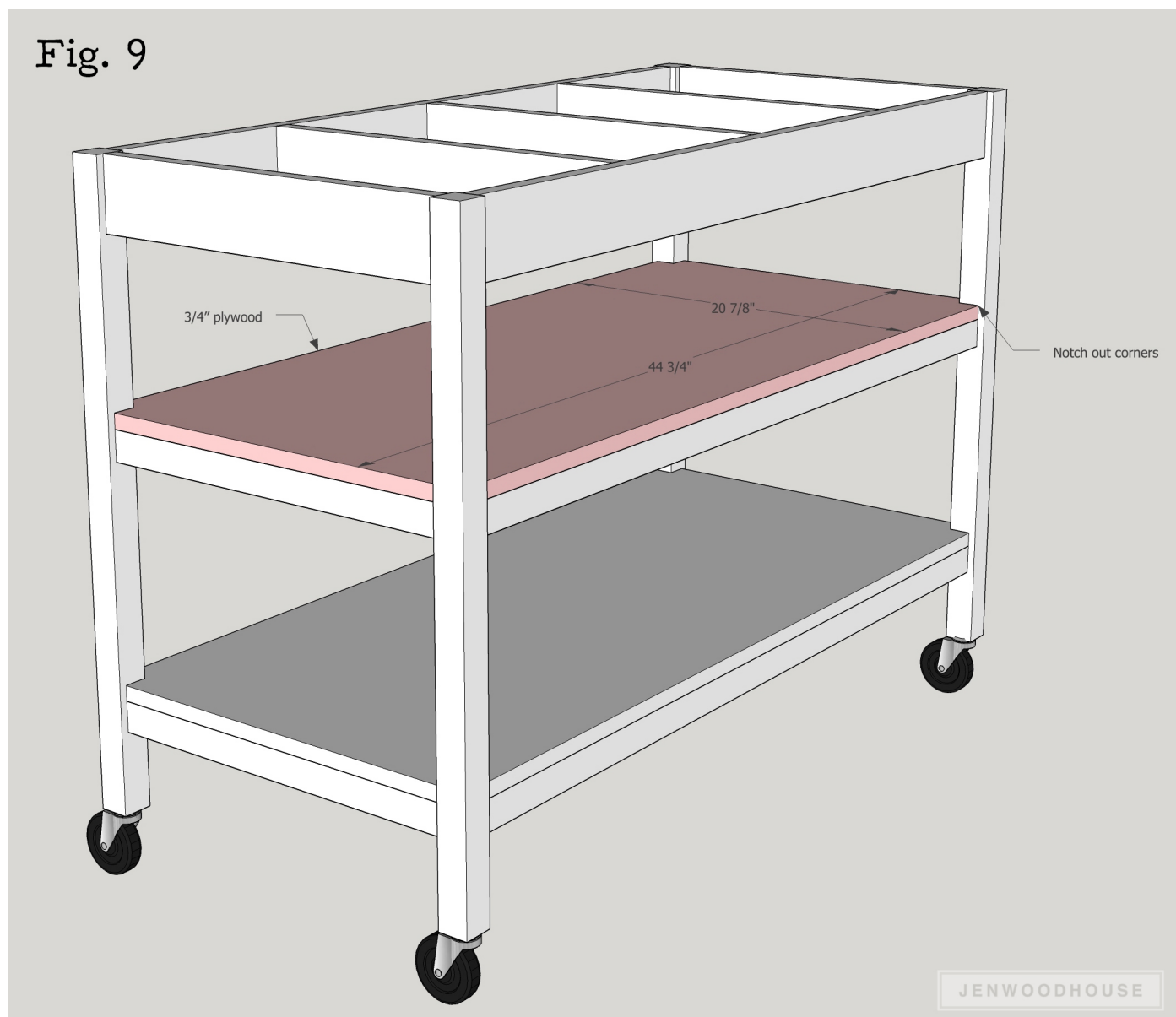
Measure, mark, and cut 1x2 upper rails to length. Drill $\frac{3}{4}$ inch pocket holes into the ends and top edges of the 1x2 rails, center on legs, and attach with 1 $\frac{1}{4}$ inch pocket hole screws and wood glue.

Fig. 8

**STEP 8:**

Measure, mark, and cut 1x2 upper supports to length. Drill $\frac{3}{4}$ inch pocket holes into the ends and top edges of the supports. Attach them to the upper rails with $1\frac{1}{4}$ inch pocket hole screws and wood glue.

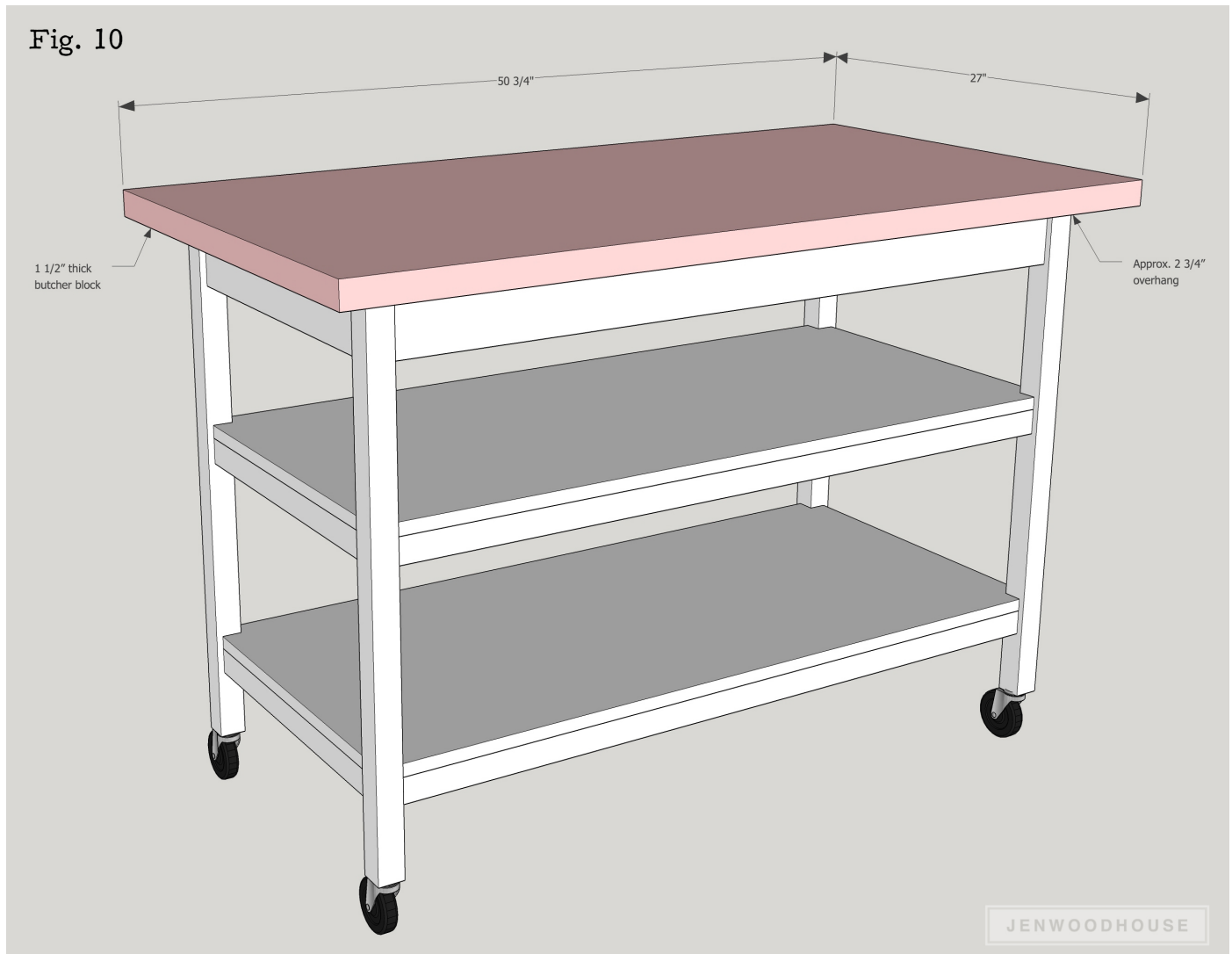
Fig. 9

**STEP 9:**

Measure, mark, and cut $\frac{3}{4}$ -inch plywood to size. Using a jigsaw, notch out corners as shown. Drop the plywood shelf into place and attach to the 1x2 rails and supports with 1 $\frac{1}{4}$ inch pocket hole screws and wood glue.

I would recommend installing the casters at this point, before you attach the butcher block. Flip the entire island upside down and find the center point in the legs. Using a $\frac{5}{16}$ -inch drill bit, drill a hole into the legs. Tap the tee nuts into place with a mallet. Screw the casters in. You can find a photo tutorial here: <http://www.hgtv.com/design/rooms/kitchens/how-to-build-a-diy-kitchen-island-on-wheels>.

Sand, stain or paint, and finish as desired.

**STEP 10:**

After the finish has fully cured, it's time to attach the butcher block. Measure, mark, and cut the butcher block to length. Center butcher block over island base allowing for an approximate $2\frac{3}{4}$ inch overhang and attach to 1x4 aprons and supports with $1\frac{1}{4}$ inch pocket hole screws and wood glue. It is usually easier to place the butcher block on the ground, good side facing down (be sure to protect it with a drop cloth or soft cloth), and flip the base upside down, and center on top of the butcher block. This will make it easier to position the base over the butcher block and drill the pocket screws downwards into the butcher block. Check to make sure your screws don't go through the top of the butcher block.

Use food safe butcher block oil to moisturize and protect the butcher block.