

# HART™



## Clothing Rack

@Wildly\_Capable\_Carpentry

# PROJECT PLAN

**Skill Level:** Beginner

# Materials

Item	Qty
1/2" Pipe 5'	3
1/2 Floor Flange	2
1/2 90° Elbow	2
Black Spray Paint	
2" Swivel Caster Wheel	4
50" Over the Door Mirror with Hangers	
2x12x66" board	
1 1/2" Screws	
Wood Finishing Oil	
Sand Paper	

\* 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



Drill/Driver



Orbital Sander



Tape Measure



Safety Glasses

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

# Assembly Instructions

---

## Step 1

Spray pipes and fixtures with black spray paint first to let dry while the rest of the project is built.

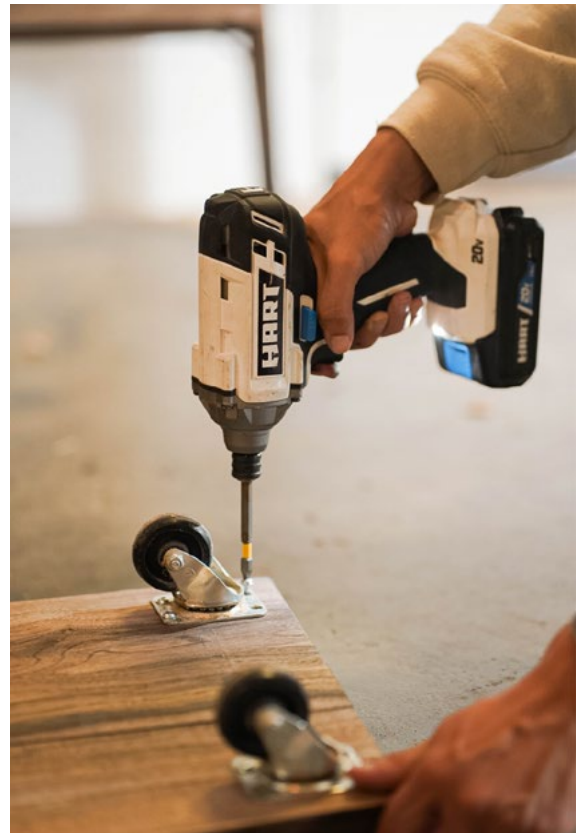
## Step 2

Cut the board to be a single slab measuring 12" wide and 66" long. Sand the board until smooth. Start with 120, move up to 220, then finish it off with a 300 grit. Now you can apply the finish oil with a rag.



## Step 3

Now that the board is ready for additions, flip the board to the side that will be facing down and attach the caster wheels. If this rack will be going on wood flooring, purchase at least one lock caster wheel so it won't slide around. Screw the wheels 1" from the sides of the four corners.



## Step 4

On the board, measure to the middle of the total measurement of the width, and then make a mark. Tip: 2x12s are not exactly 12", so always measure the true measurement of the board. From the end of the board on each side, measure 2" in and make a mark. The + that was made with your marks will indicate where the middle of the floor flange needs to be screwed in. Once both flanges have been screwed in, finish assembling the rest of the piping together. A pipe will go into each flange. On the end of it, attach the 90 degree elbow. Then attach the last pipe from one elbow to another.

---

## Step 5

The last (optional) step is to place an over the door or other mirror with hangers over the pipe.

Enjoy your new clothing rack!