

# ANAWHITEKNOCK-OFFWOOD

100s OF FREE AND EASY KNOCK-OFF FURNITURE PLANS TO SAVE YOU \$1000s

PLANS: Twin Brookstone Storage Bed Frame

Compare to: Pottery Barn Kids Brookfield Storage Bed Frame

Skill Level: Intermediate



## Brookfield Storage Bed Frame

Matching the Brookstone Headboard, the storage bed takes advantage of ALL the space under the bed. It works with a box spring or a mattress at least 6" deep, and is fully supported. This plan is easy to build, and due to the multiple reinforced joints, could be primarily constructed with glue and finish nails.

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## SHOPPING LIST

Quantity	Description
2	¾" Plywood
2	2x2s, 8' Length
1	1x12, 10' Length
1	1x6, 16' Long
1	1x3, 8' Long
5	1x2, 8' Long
	1 1/4" Finish Nails
	2" Finish Nails
	2" Wood Screws
1	Small Tube Wood Glue
	Finishing Supplies including wood filler and sandpaper

## RECOMMENDED TOOLS

Measuring Tape, Square, Saw, Finish Nailer, Drill with Countersink Bits, Sander, Clamps, Compass or Miter Saw

## CUT LIST

	Quantity	Board	Length	Description
A	2	2x2	70"	Under Bed Supports
B	2	¾" Plywood	75 3/4 " x 39	Side Legs
C	2	1x12	39"	Dividers
D	2	1x12	11 1/4"	Small Dividers
E	2	1x6	75 3/4"	Side Rail Trim
F	1	1x6	40 1/2"	Foot Rail Trim
G	2	1x2	75 3/4"	Bottom Shelf Side Trim
H	1	1x2	40 1/2"	Bottom Shelf Foot Trim
I	2	1x2	18 1/4"	Legs
J	2	1x3	18 ¾"	Legs
K	1	1x3	42"	Footer Trim
L	2	1x2	75"	Side Top Trim

## IN GENERAL

Refer to the blog at [www.knock-offwood.com](http://www.knock-offwood.com) for any comments of suggestions for this plan. Always wear necessary safety equipment and take safety precautions. Check for square after each step. Measure all joints out and mark clearly with a square on BOTH sides of the joint (so you know where to nail). Use glue unless otherwise stated. Always predrill and countersink any screws. If you are using MDF, avoid fastening too close to the edges to avoid splitting your MDF.

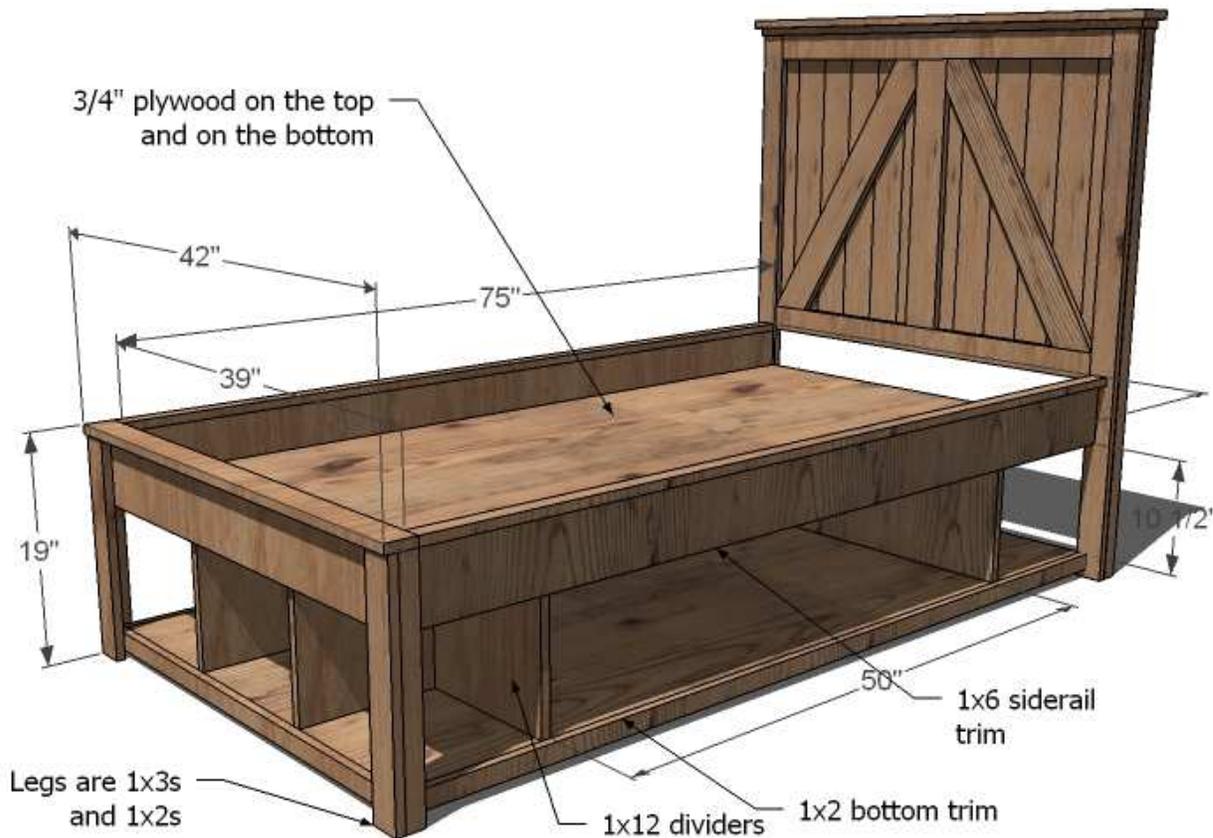
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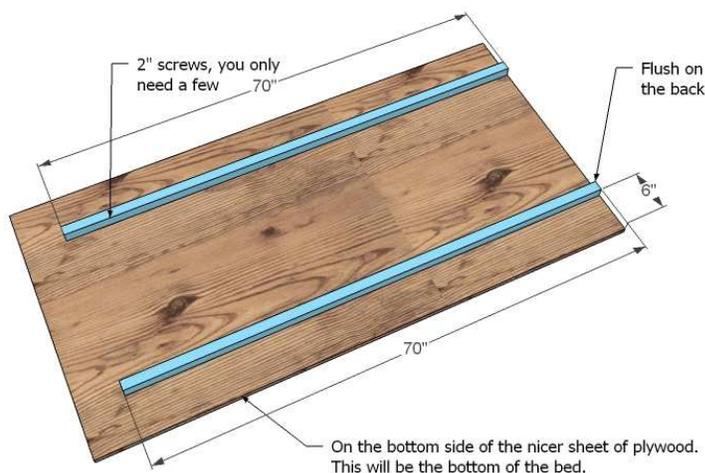
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## DIMENSIONS AND COMPOSITION

Dimensions and composition are shown above. Like the Pottery Barn Kids Brookstone Bed, the recommended composition is solid pine or whitewood boards.



## STEP 1: SUPPORTS

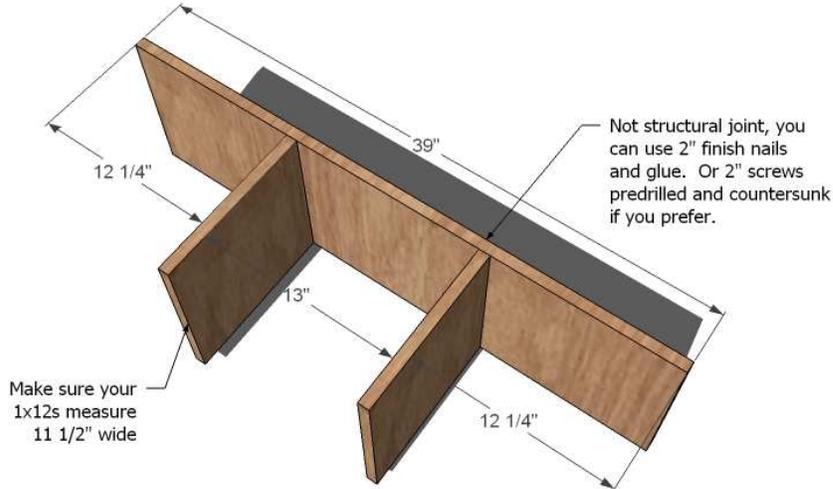
On the bottom side of the bottom piece of plywood, attach the two 2x2 supports with 2" screws. You only need a few screws, the bed rests on top of these supports, and the screws just hold the cleats in place.

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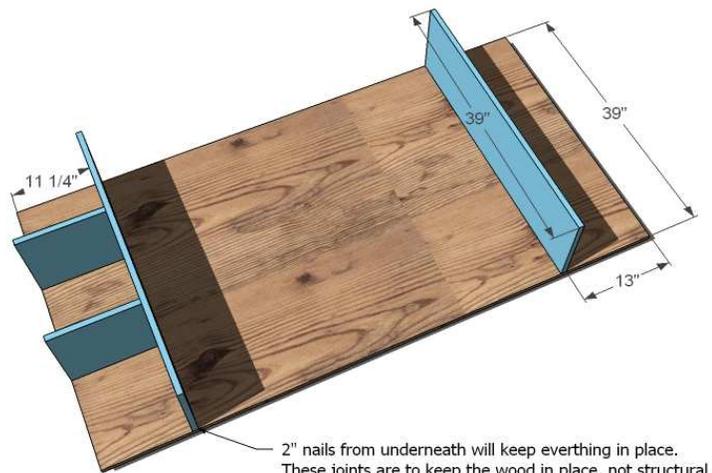


## STEP 2: DIVIDERS

Build the bottom divider unit as shown to the left with the 1x12s and 2" finish nail and glue. Small dividers are 11 1/4" long.

## STEP 3: BOTTOM PLYWOOD

Attach the dividers to the bottom plywood as shown here.



You can use a cheaper grade 3/4" plywood on top, but make sure it's not going to tear your mattress apart. A rug pad will do the trick.

More non-structural joints can be nailed and glued together with 2" finish nails.



## STEP 4: TOP PLYWOOD

Attach the top plywood as you did the bottom. Measurements shown are to the sides of the dividers, not the centers. Nail into the centers.

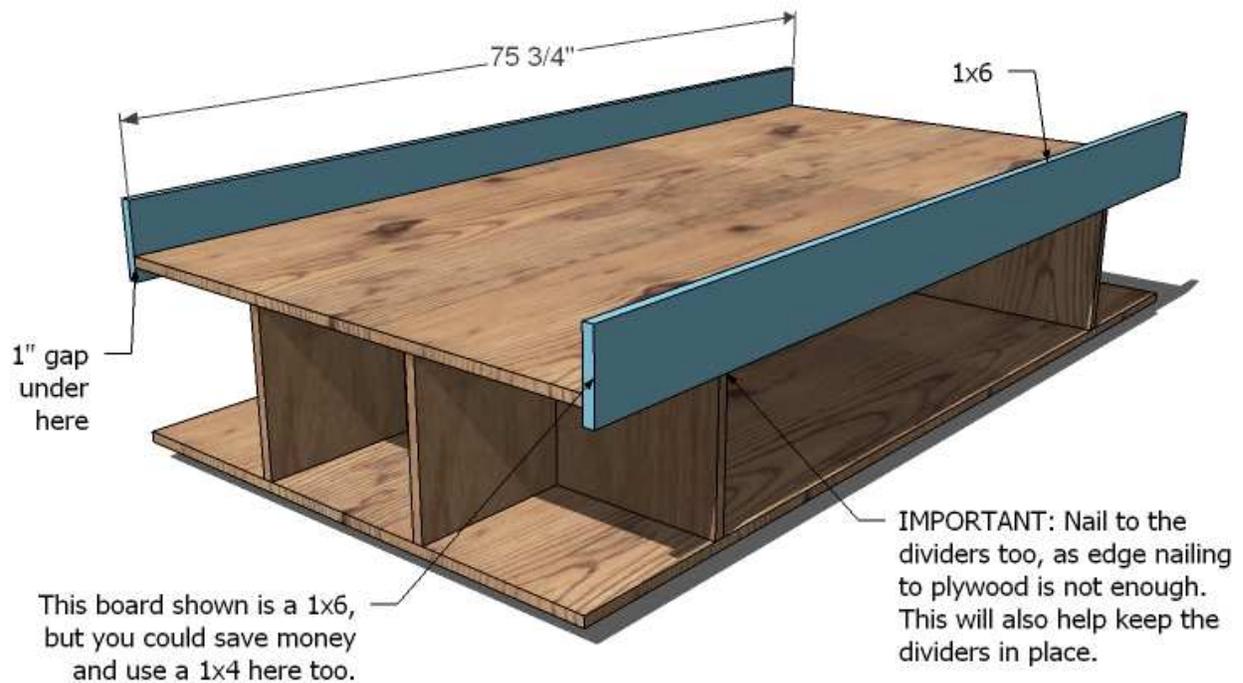
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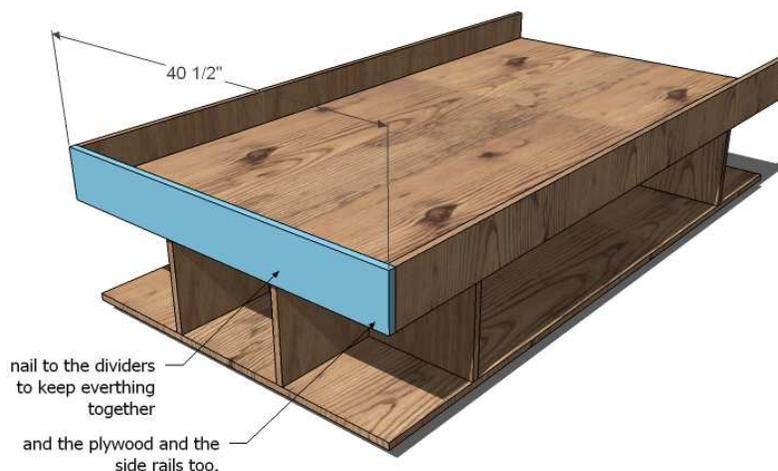
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## STEP 5: SIDERAIL TRIM

As shown in the diagram above, attach the siderail trim to the bed frame. Make sure you also attach to the dividers to reinforce all joints.



## STEP 6: 1x3 END TRIM

Nail the end trim in place with 2" finish nails and glue.

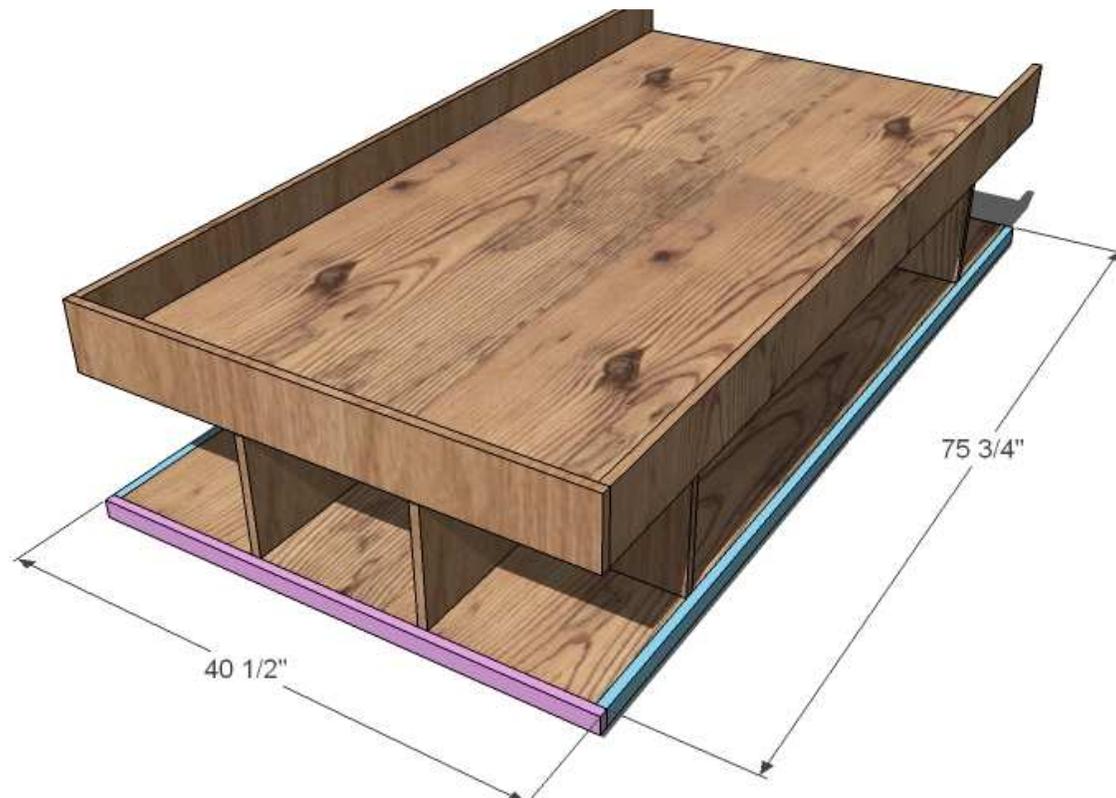
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## STEP 7: BOTTOM TRIM

Keeping edges flush with the top of the bottom plywood, attach the bottom trim with 2" finish nails and glue.



## STEP 8: 1x2 LEGS

Attach the 1x2 legs to the sides, as shown in the diagram, keep outside edges flush and reinforcing all trim joints. Use 1 1/4" nails and glue where needed to avoid overshooting nails.

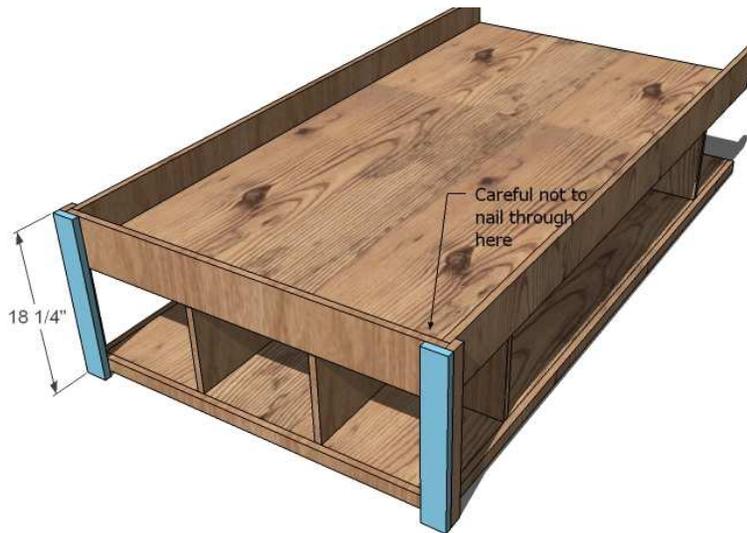
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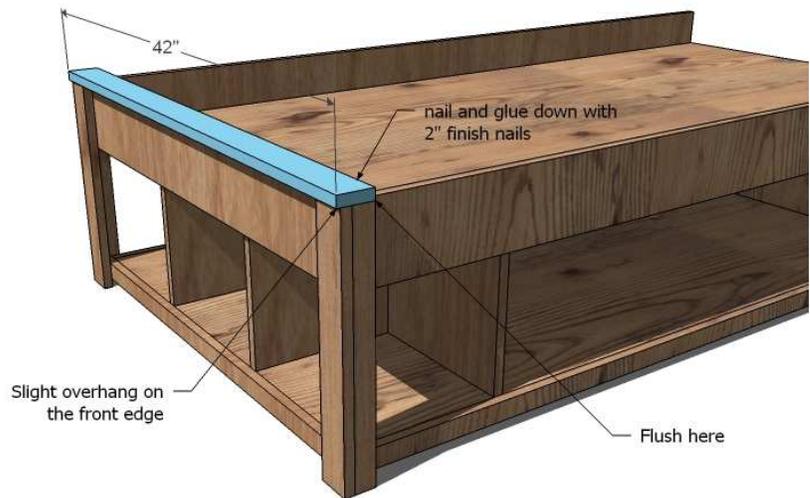


## STEP 9: 1x3 LEGS

The 1x3 legs will be nailed to both the 1x2 leg and the 1x6 and 1x2 trim boards to reinforce all joints. Minimize any gaps between the two leg boards to make the leg appear as a solid board.

## STEP 10: BOTTOM TRIM

The bottom trim is a 1x3. Use 2" finish nails and glue to attach, reinforcing all joints by nailing into both leg pieces.



## STEP 11: SIDE TRIM

Attach the side trim as shown here, flush to the inside of the bed. Use glue and 2" finish nails.

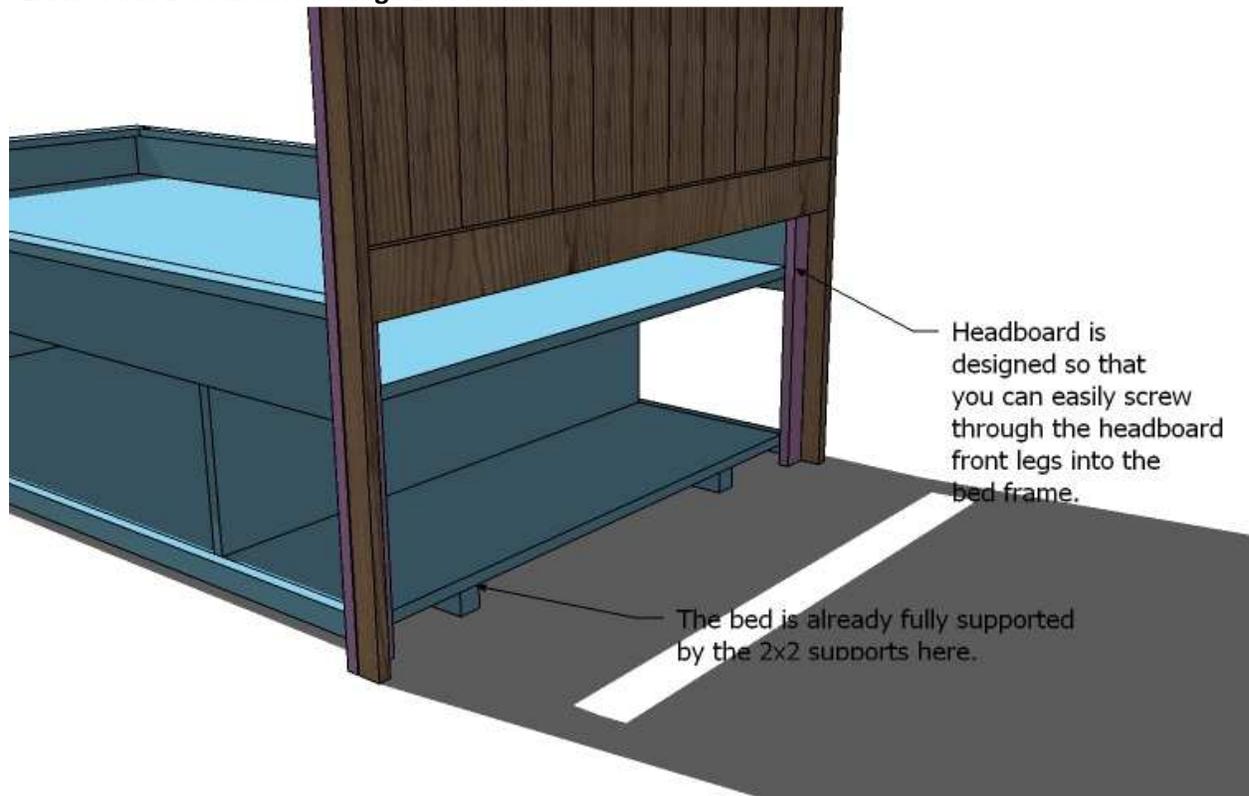
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## STEP 12: ASSEMBLY

It will be very easy to attach this bed to the headboard. Simply drill pilot holes and attach with screws directly through the headboard legs, as shown in the diagram above.

## FINISHING

Fill all holes with wood filler. Sand with coarse sandpaper. Fill holes with wood filler again, and sand with medium grit sandpaper. Then finish with a fine sandpaper. Always sand in the direction of the wood grain. If you are painting, prime, painting the insides first, outsides last. Add two coats of paint. You can add a clear top coat if you wish. For staining, always test out a scrap piece, with wood filler. If the wood filler is not taking stain, you may wish to buy a color coordinated wood filler and fill your holes with this. If the stain is going on blotchy, you may need to apply a wood conditioner prior to the stain. Apply a top coat if necessary.

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