

Do It Yourself

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Wall-Mounted Magazine-Rack: Final Assembly

From "[Wood Works](#)"

episode WWK-604 -- [More Projects »](#)

In this episode, David Marks builds a wall-mountable magazine rack. In this segment, the frame and back-panel are joined together in preparation for attaching the completed bins and the addition of some finishing touches.

Materials:

Disc sander
Sanding block
220-grit sandpaper
Carpenter's pencil
Yellow carpenter's tape
Safety glasses or goggles

Safety Alert: *Always* wear safety goggles or safety glasses, and follow proper safety precautions, when working with wood, power-tools, saws, drills, routers, etc.



The complementary curves of the frame and bins combine with the sleek, connecting vertical lines to create stylish storage.

Frame and Back Assembly

- the wengae frame-pieces, David traced a subtle curve onto the ends of the top-rail and stiles of the frame using an MDF template as a guide. The soft curves at the ends will complement the arcs of the frame.
- Using the disc sander, simply follow the lines to sand the ends smooth (**figure A**).
- With all of the cuts and slots complete, soften the edges of the frame using a hand-held router and 1/8" round-over bit (**figure B**).
- Next, it's a good idea to hand-sand all the pieces lightly with some 220-grit sandpaper (**figure C**).

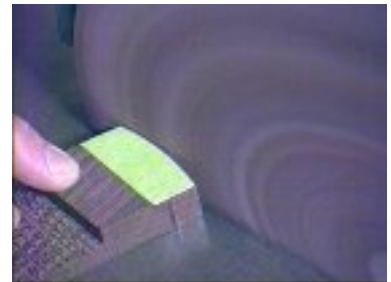


Figure A

- This hand-sanding will be much easier to do at this point, while you can still reach every surface.

Note: When sanding the plywood back-panel, sand lightly to avoid sanding through the veneer.

- With sanding completed, the glue-up can begin.



Figure B



Figure C

- Use slow-setting plastic resin-glue to allow plenty of time for assembly and adjustment during glue-up. Apply glue to the slots, biscuits and lap-joints.
- Start the glue-up assembly with all of the pieces laid out. Assemble the stiles to the back-panel first, then attach the top-rail to the stiles and slide the frame into place with the back panel using a few taps with a dead-blow hammer (**figure D**). This process is made easy by the double-sized biscuit slots cut in the back panel earlier.
- Attach the bottom rail.
- Apply cauls and clamping pressure (**figure E**) and allow the glue to set overnight.



Figure E



Figure D

In the segment that follows, the bins are attached to the frame and back and the magazine rack gets wood finish.

RESOURCES:

Woodworking Techniques: Best Methods for Building Furniture from Fine Woodworking

Model: 1561583456

Author: Fine Woodworking Magazine

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David Marks, DIY's *Wood Works* host, is a master woodworker. For more information on cut sizes and project details, please contact him via his Website at www.djmarks.com

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