#### Do It Yourself

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# Maple and Walnut CD Cabinet -- Walls and Trim

From "Wood Works"

episode WWK-202 -- More Projects »

In this episode of *DIY Wood Works*, host David Marks builds a decorative CD cabinet fashioned out of maple and black walnut.

As a solution to the problem of CD storage, this vertically designed wood cabinet provides plenty of rack space for a CD collection and is intended to be both functional and visually appealing. It features flared trim as well as a sturdy, angled base and top made of black walnut. The darker walnut accents contrast with the light maple of the cabinet. The piece is adorned with a whimsical accent -- a door-pull made of ebony and carved in the shape of a musical note.

The proportions of the case are determined by the size of the rack inserts being used. For this project, plastic commercially made CD racks (**figure A**) were purchased from a woodworking store. They fit along the inside surfaces of the inner walls (**figure B**) that attach to the outer cabinet walls and provide the proper spacing for holding CDs stacked horizontally.

The sides of the cabinet are butted together (**figure C**) and joined with biscuits. The project begins with cutting plywood stock to build the sides. Where the edges of those sides are exposed, they'll be covered with strips of maple

#### Materials:

Maple and black-walnut stock

Plywood stock

Plastic CD racks (available from woodworking stores)

Table saw

Drum sander

Band saw

Fingerboard

Table router; flush-bearing bit Biscuit joiner; wood biscuits



This CD cabinet, made of maple and contrasting black walnut, features flared trim that adds weight to the piece.

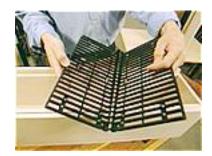


Figure A



Figure B

Yellow wood-glue
Clamps
Cork blocks
Safety glasses or goggles

**Note**: Cut sizes may vary. For exact measurements, please contact David Marks through his Web site -- information below under Resources.



### **Cabinet Walls**

## Steps:

- 1. The plywood stock for the case is cut on the table saw (**figure D**), leaving the pieces slightly oversized.
- 2. Next, using fingerboards to hold the stock steady on the band saw, 1/8-inch strips of maple (**figure E**) are ripped from a piece of solid stock. The thin strips are then rut through the drum sander to eliminate any rough spots left by the saw-blade.
- 3. The thin strips are then ready to be glued to the plywood using yellow wood glue. Elevate the plywood on shims, and glue the strips in place (**figure F**), overhanging the top and bottom surfaces of the plywood just a bit.
- 4. The pieces can then be clamped together (with pieces edge-to-edge, as shown to use fewer clamps) to hold them securely as the glue dries (**figure G**).
- 5. After the glue has dried, clean edges along the top and bottom are created by trimming away the excess at the router table, using a flush-bearing bit (**figure H**).
- 6. With the plywood stock banded with maple, the stock is cut to size, using the table saw, for the elements of the cabinet (**figure I**).
- 7. A biscuit jointer is used to cut slots for the joinery of the maple/plywood case (**figure J and K**). Slots are cut in the side, top and



Figure C



Figure D



Figure E

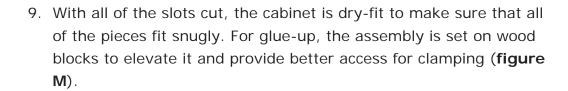


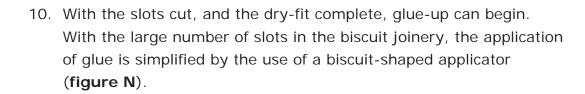
Figure F

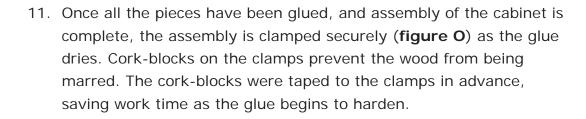


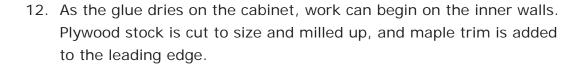
Figure G

One side of the cabinet is cut slightly wider than the other (figure L) to accommodate the thickness of the hinged door that will be mounted later.







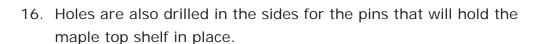




14. Once the marks are made, the holes can be drilled.

15.

• **Tip**: To line up the holes accurately, use a self-centering drill bit (**figure Q**).



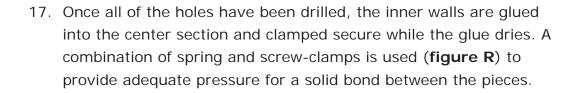




Figure H



Figure I



Figure J



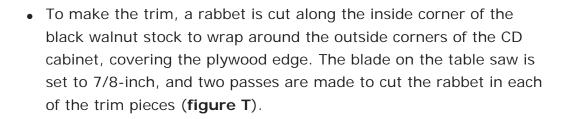
Figure K

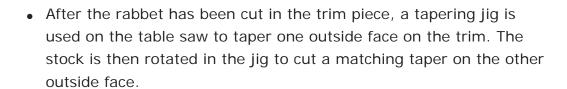


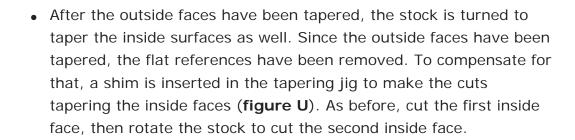
Figure L

### **Walnut Trim**

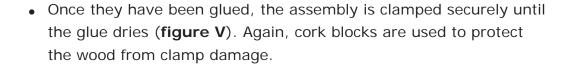
While the maple cabinet is drying, work can begin on the corner trim. Black-walnut stock, that's 1-1/2 square, is used to create the trim pieces. The dark walnut trim provides the attractive, contrasting border for the cabinet (**figure S**). The trim pieces are flared from the top to bottom to supply some visual weight.











In the segment that follows, the black-walnut angled base for the cabinet is made.

### **Sponsored Resource**

> <u>Click here</u> to order your tools and materials for this project from **Woodcraft!** 



Figure M



Figure N



Figure O



Figure P



Figure Q

## **RESOURCES:**

## Fine Woodworking

A magazine devoted to high-quality craftsmanship in woodworking.

The Taunton Press Inc Newtown, CT 06470 Phone: 203-426-8171 Fax: 203-426-3434

Email: <a href="mailto:service@taunton.com">service@taunton.com</a>

# The Small Wood Shop (The Best of Fine Woodworking)

Model: 1561580619

Author: Helen Albert (Editor)

# Woodworking Techniques: Best Methods for Building Furniture from Fine Woodworking

Model: 1561583456

Author: Fine Woodworking Magazine

The Taunton Press Inc Newtown, CT 06470 Phone: 203-426-8171 Fax: 203-426-3434

Email: service@taunton.com

# Mastering Woodworking Machines (Fine Woodworking Book)

Model: 0942391985 Author: Mark Duginske

### **David Marks Website**

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

## The Complete Woodworker's Companion

Model: 0823008665 Author: Roger Holmes

(1996)

Watson-Guptill Publications Lakewood, NJ 08701-9914



Figure R



Figure S



Figure T



Figure U



Figure V

Do It Yourself: Shelves & Cabinets

Phone: 908-363-5679

Fax: Private

## The Complete Book of Wood Joinery

Model: 0806999500

Author: Richard J. Descistoforo

(1997)

Sterling Publishing Co. Inc.

New York, NY 10016 Phone: 212-532-7160 Fax: 800-542-7567

## **Advanced Woodworking**

Model: 0783539126

Author: Editors of Time Life Books

1998

Time-Life Books Inc. Alexandria, VA 22314 Phone: 703-838-7000 Fax: 703-518-4124

## Popular Woodworking Magazine (F & W Publications, Inc.)

F & W Publications, Inc. Cincinnati, OH 45207 Phone: 515-280-1721

Website: www.popularwoodworking.com

### ALSO IN THIS EPISODE:

Maple and Walnut CD Cabinet -- Walls and Trim

Maple and Walnut CD Cabinet -- Angled Base

Maple and Walnut CD Cabinet -- Top and Door

Maple and Walnut CD Cabinet -- Finishing Touches



The walnut top is als framed in black walnut, matching the sturdy angled base.



The door is adorned with an ebony handle, handshaped into a musical note.