#### Do It Yourself

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URL: http://www.diynet.com/diy/ww\_shelves\_cabinets/article/0,2049,DIY\_14444\_2275145,00.html

# Maple and Walnut CD Cabinet -- Top and Door

From "Wood Works"

episode WWK-202 -- More Projects »

With the base and cabinet made, the next step in the crafting of the CD case is to begin making the top. This piece is made from maple plywood and is framed with walnut trim (figure ) to visually match the base. The process begins with cutting some angles in walnut stock at the table saw. Later, the door will be cut to shape and added to finish off the cabinet.

#### Materials:

Maple and black-walnut stock

Table saw

Band saw

Tapering jig

Biscuit joiner; wood biscuits

Hand router

Yellow wood-glue

Clamps

Chalk or carpenter's pencil

Safety glasses or goggles

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

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

### **Cabinet Top**

## Steps:

 To match the angles of the base, the blade on the table saw is again set to 15 degrees, and cuts are made on the sides of the stock (figure B). A square-toothed ripping blade works best for this process.



The cabinet top is a piece of maple framed in contrasting black-walnut.

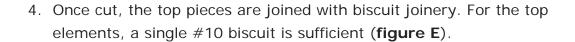


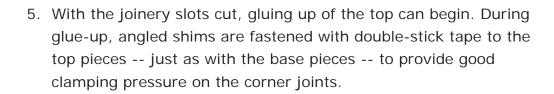
Figure A

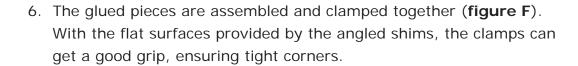


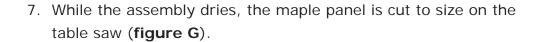
Figure B

- 2. Next, a rabbet is cut along the inside edge (**figure C**) to create a lip on which the maple panel will sit.
- 3. With the miter gauge set to 45 degrees, the ends of the stock are cut to length (**figure D**).









8. When the walnut frame is ready, glue is applied to the rabbet (figure H). and the maple panel is dropped into place (figure I).

### Cabinet Door

While the glue on the top is drying, work can begin on the final part of the case -- the hinged door.

# Steps:

- A piece of maple plywood is cut to size for the cabinet door (figure J).
- Because the piece of walnut trim adjacent to the door edge is tapered, the door must be cut with a matching taper. Using a scribed pencil-mark as a guide, the door is cut to width on the table saw using a tapering jig (figure K). The jig holds the stock in the proper position as the door is cut with the proper taper to match the taper on the corner trim.



Figure C



Figure D



Figure E

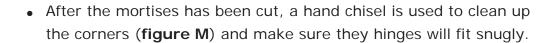


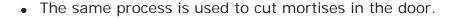
Figure F



Figure G

- The door is next cut to length, making sure to take an extra 1/8 inch off the top and bottom so the piece can be capped with maple trim.
- Solid brass hinges are used to mount the door to the cabinet. To
  make sure that the hinges sit flush, mortises are cut using a plungerouter (figure L). A two-flute carbide router bit is used to cut the
  mortises in the cabinet.





- The hinges attach to the door and cabinet with screws (figure N).
- To dial in the exact fit for the door, a scraper is used to make a few passes over the leading edge of the door (figure O).
- With the door-fit secure, the assembled top can be mounted on the case (figure P).

The final segment features final assembly and application of a tung-oil finish.

## **Sponsored Resource**

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

#### **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



Figure H



Figure I



Figure J



Figure K



Figure L

Do It Yourself: Shelves & Cabinets

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



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 <a href="https://www.djmarks.com">www.djmarks.com</a>

# The Complete Woodworker's Companion

Model: 0823008665 Author: Roger Holmes

(1996)

Watson-Guptill Publications Lakewood, NJ 08701-9914

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



Figure M



Figure N



Figure O



Figure P

Do It Yourself: Shelves & Cabinets

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

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