



CARVEWRIGHT™

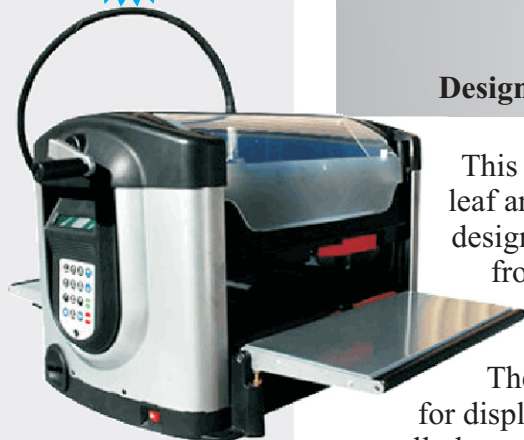
WOODWORKING SYSTEM

PROJECT
BASIC
DIFFICULTY

PROJECT TUTORIAL

Black Forest Wall Shelf

Designed for CarveWright™ by Michael Tyler - www.carvebuddy.com



This wall shelf project features a leaf and curved wood branch design that draws its inspiration from legendary Black Forest design themes.

The decorative shelf is great for displaying favorite knick knacks, a small plant or a special treasured item. The project uses the 1/16" Carving Bit and the 1/8" Cutting Bit. The overall dimensions of the finished project are about 18" h x 10 1/4" w x 5 1/2" d.



Main items you will need:

1) The Project Files (included):

- Black_Forest_Panel.mpc
- Shelf-and-Bracket.mpc

2) Boards with the following dimensions:

Black Forest Panel: .75" x 11" x 25"
Shelf and Bracket: .75" x 6" x 22"

NOTE: Do not use boards that are shorter in length than specified above.

3) Five #6 wood screws, countersink bit

4) Sandpaper, drill, wood glue, epoxy, stain or paint and clear finish

5) A Dremel-type rotary tool with assorted sanding wheels and bits to sand small details and speed up preparation for finishing.



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STEP 1

Start your Designer software and open the .mpc files. (fig. 1a)

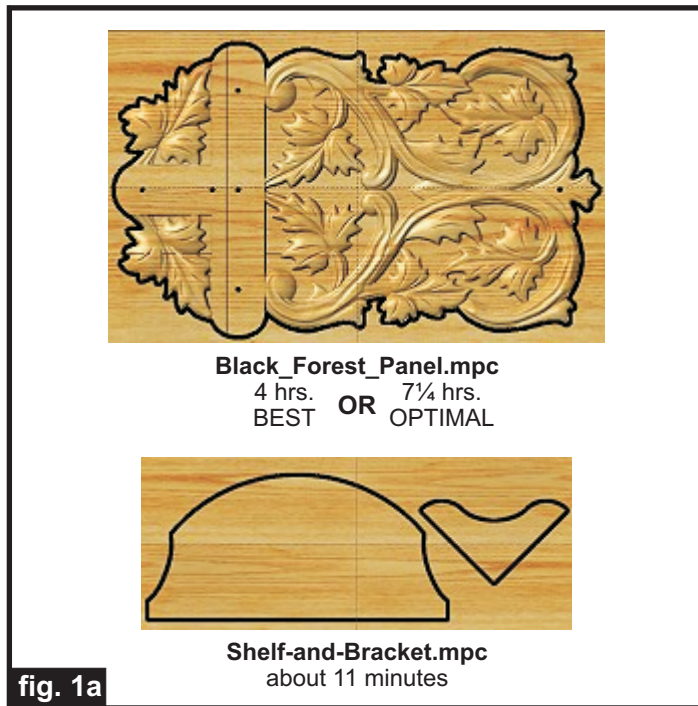


fig. 1a

All you need to do at this point is upload the project files to your memory card. (File/Upload). When you upload, you may or may not get a pop-up window with an “Auto-Jig” warning message (fig. 1b)

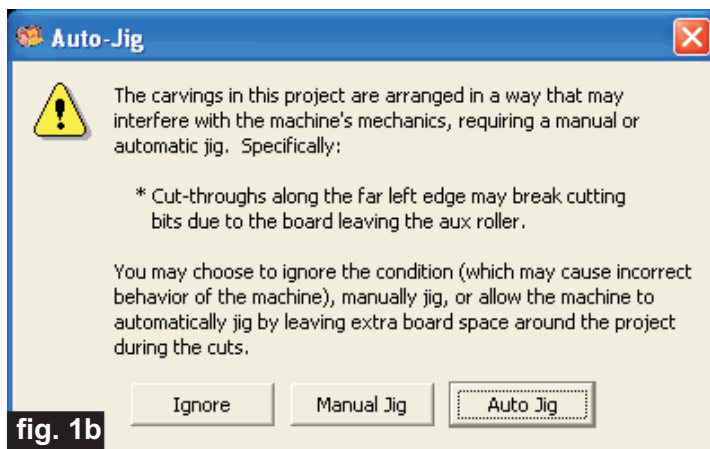


fig. 1b

If you do see the message, you may safely click on “Ignore” because the actual board will be large enough that it won’t cause any problems at all. After each mpc project is compiled, select “Best” or “Optimal” for the File Quality setting.

Click “OK” and upload the mpc project files to your memory card. Insert the card into your machine and load a board that measures the appropriate dimension specified for each mpc (see page 1 for board dimensions). Turn on your machine and proceed with the standard project setup in Step 2...

STEP 2

You will see “Project Menu” on your LCD display. Press “1” and scroll to the **Black_Forest_Panel.mpc** project, and press the green ENTER button to select it. Then follow the additional prompts...

- **Stay Under Rollers** - press 1) YES
- **DO NOT RESIZE or SCALE the projects!** If prompted, always keep the original size. No scaling!
- **How To Place** - press 1) Center
- **Cut Board to Size?** - press 2) NO
- **Select Drill Bit: 1/8" Cutting** - Press ENTER. The machine will move the bit holder to the center of the machine in preparation for the bit installation.
- **Load Bit: 1/8" Cutting** - Insert your 1/8" cutting bit, then press the green ENTER button. (homes, etc.)
- **Select Vector Bit: 1/8" Cutting** - Just press ENTER. (Nothing happens - bit is already installed)
- **Select Cutting Bit: 1/8" Cutting** - Just press ENTER. (Nothing happens - bit is already installed)
- **Select Carving Bit: 1/16" Carving** - Press the green ENTER button. (Moves to center of machine.)
- **Load Bit: 1/16" Carving** - Remove the 1/8" cutting bit, insert the 1/16" carving bit, then press the green ENTER button. After homing and finding surface, the machine will begin the carving process.
- **After it is done carving, you will be prompted to load your 1/8" cutting bit.** Remove the 1/16" carving bit, insert your 1/8" cutting bit, then press the green ENTER button. The machine will now proceed to perform the dado, drills and cutouts. It leaves little tabs to hold the parts in the board. When the machine is finished, remove your board and clean your machine of excess sawdust.

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Proceed to run the **Shelf-and-Bracket.mpc** following the same steps as outlined before, with the exception that the only bit asked for will be the 1/8" cutting bit.

Your boards will look something like this (fig. 2)



Black_Forest_Panel.mpc



Shelf-and-Bracket.mpc

fig. 2

STEP 3

Separate the pieces from the boards with a utility knife or hobby saw, then sand off the tabs and any undesirable toolmarks. (fig. 3a, 3b)



fig. 3a



fig. 3b

STEP 4

Apply your choice of finish. Here's what I used on my Black Forest Wall Shelf made from Select Pine (fig. 4):

- Minwax Red Oak stain #215
- Several coats Krylon acrylic clear (spray)



fig. 4

STEP 5

After the finish is dry, glue the shelf and bracket to the panel - I used epoxy. (fig. 5a) Drill countersunk holes for the #6 wood screws from the back and into the shelf components. (fig. 5b) Drive in the 5 screws (fig. 5c)

fig. 5a



fig. 5b



fig. 5c



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(cont.)

IN CONCLUSION

I hope you enjoyed making your Black Forest Wall Shelf!

Happy Carving!

Michael



Materials Source Page

- **3M Radial Bristle Discs** from www.mcmaster.com
(stack 3 discs at a time on your rotary tool mandrel)

80-grit: part # 4494A19

220-grit: part # 4494A18

(also available from <http://www.ottofrei.com>)



Miscellaneous Items Purchased at Home Depot™

- **Bullseye SealCoat and Denatured Alcohol**
- **Minwax Red Oak Stain #215**



Krylon Clear Gloss Acrylic
from WalMart™

Additional Resources

RESOURCES...

There are numerous resources for the CarveWright/CompuCarve owner to make their experience with these machines much more enjoyable.

Every owner should join the CarveWright User Forum (<http://forum.carviewright.com/forum.php>) where fellow users share their experiences and knowledge with these machines on a daily basis. It is a FREE service that you will surely appreciate. A handy Search Feature helps you find answers to any questions you may have.



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