

C-CLAMP COATRACK

What do you do when it's time to hang up your shop coat or apron? Dangle it from a nail or hook on the back of the workshop door? Here's a better solution—a C-clamp coatrack that's right at home in a woodworking shop.

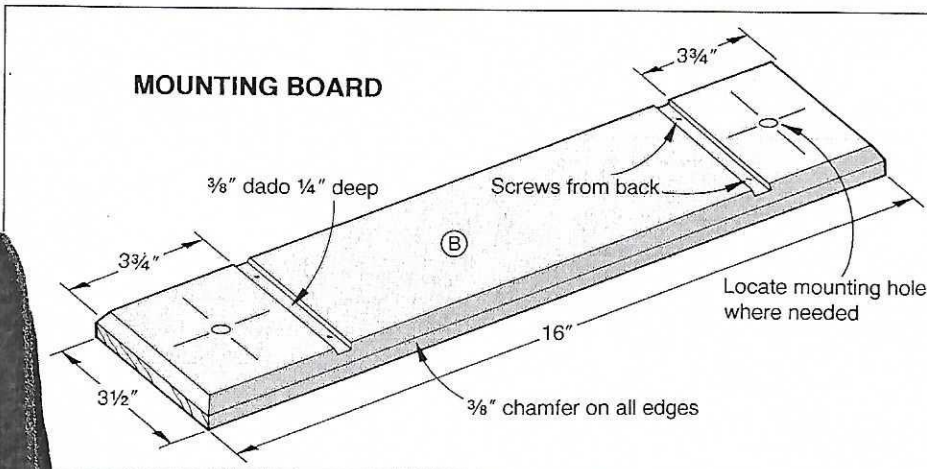
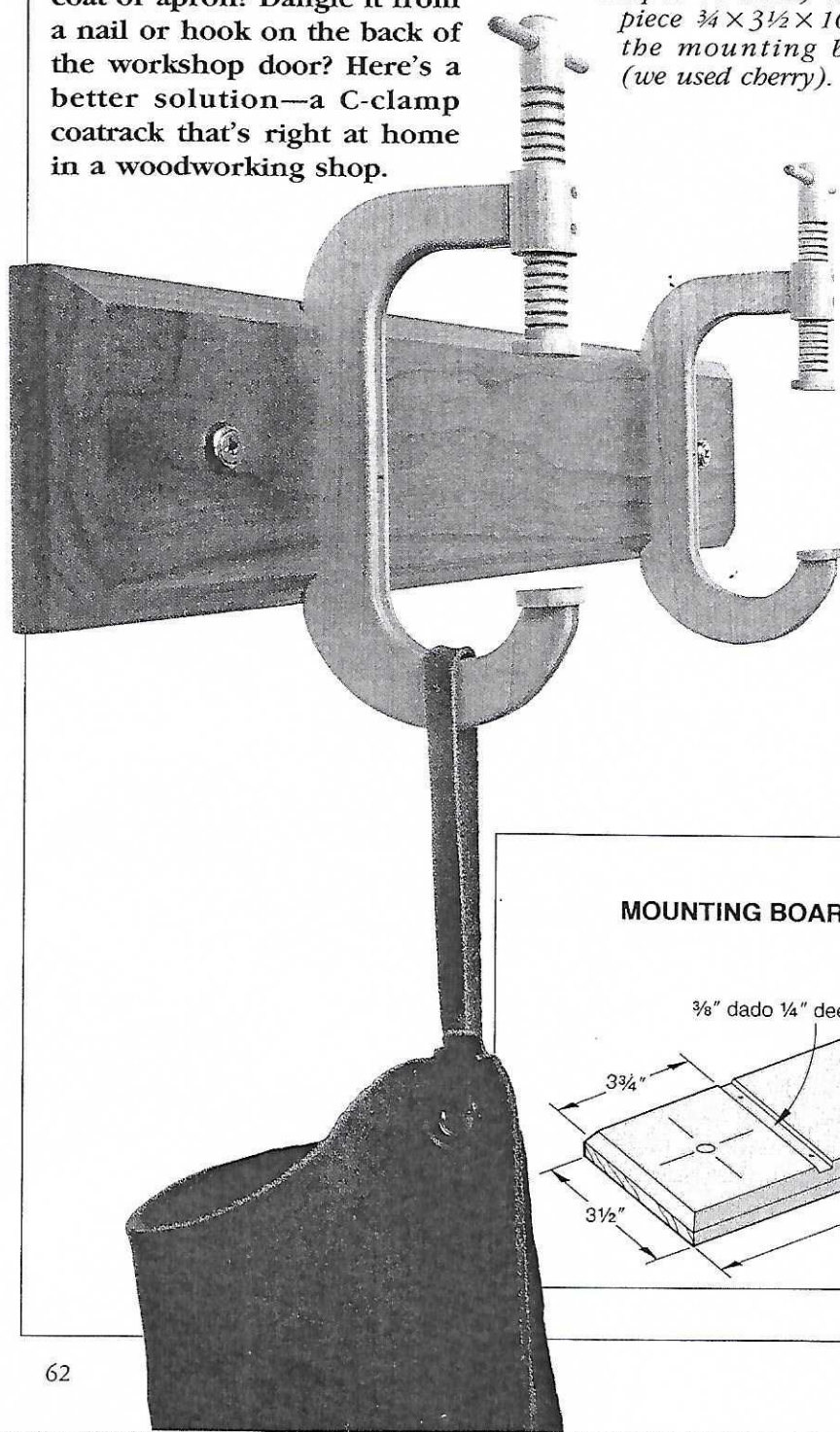
You'll need 1/8" stock for the clamp bodies (we planed thicker maple to size) and a piece 3/4" x 3 1/2" x 16" for the mounting board (we used cherry).

From 1/8" stock 4" wide, crosscut four 8" lengths and four 4" lengths. Build two 3/8"-thick laminations, each with two 4" pieces laid edge to edge between two 8" pieces. Run the grain in the center layer at a right angle to the grain on the sides. Glue with epoxy, and clamp.

Stack the two laminations together with double-faced tape. Trace the pattern for the clamp body (A) onto the stack, and then cut with a bandsaw (use a 1/8" blade) or scrollsaw. Sand 1/16" round-overs where shown.

For the mounting board (B), rout 3/8" chamfers and 3/8" dados 1/4" deep where shown. Glue a clamp body (A) into each dado with epoxy, and secure each from the back with two countersunk #6 x 1" flathead wood screws.

Drill a 1/2" hole 2 1/8" deep centered on one end of a 3/4" dowel 3" long. To do so, nail two 2 x 3" pieces of scrapwood together into a 3"-tall right angle. Secure the dowel into the corner with double-faced tape. Hold the jig with a handscrew clamp as you drill.



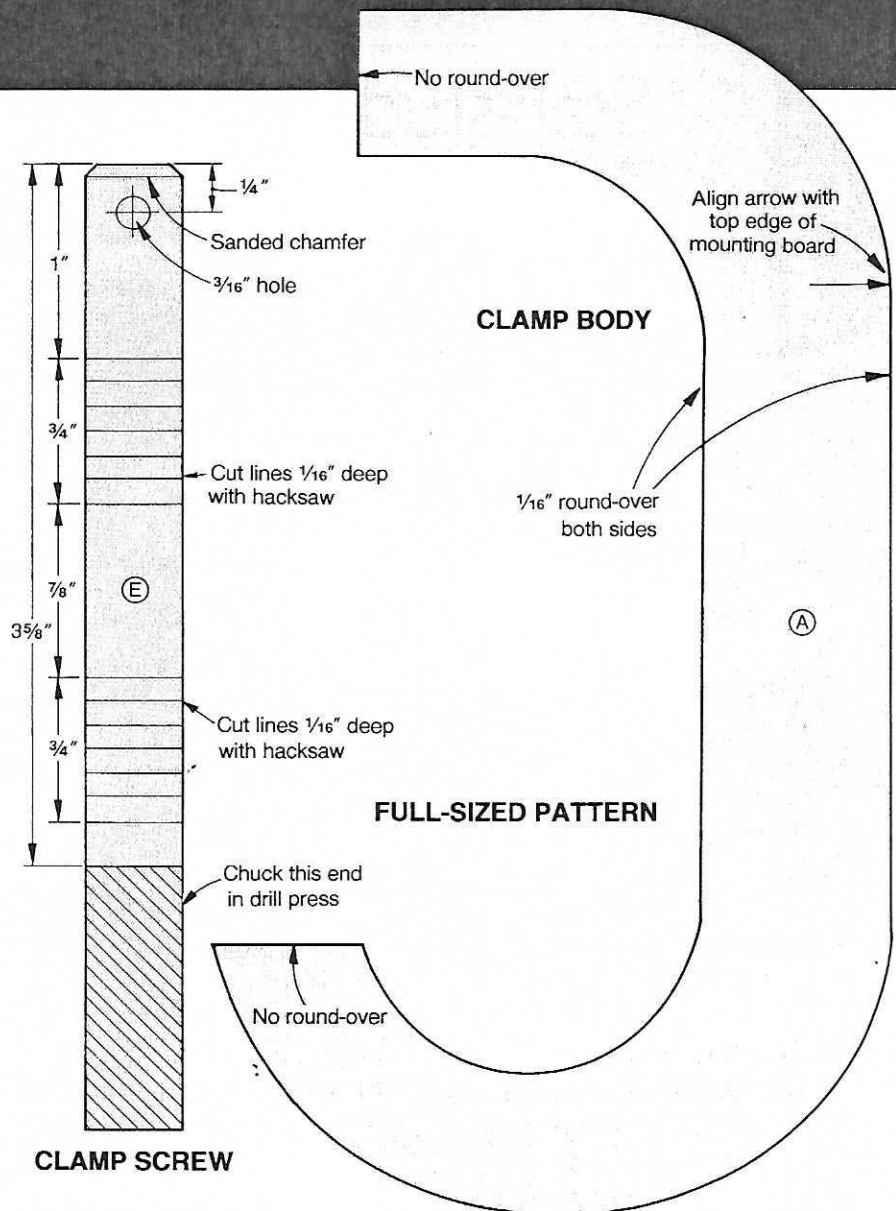
ANOTHER GREAT PROJECT FROM THE IDEA SHOP

Bandsaw or scrollsaw two $\frac{7}{8}$ " lengths of the drilled-out dowel for parts C. Sand a $\frac{3}{8}$ "-wide flat side on each. Glue parts C to parts A where shown.

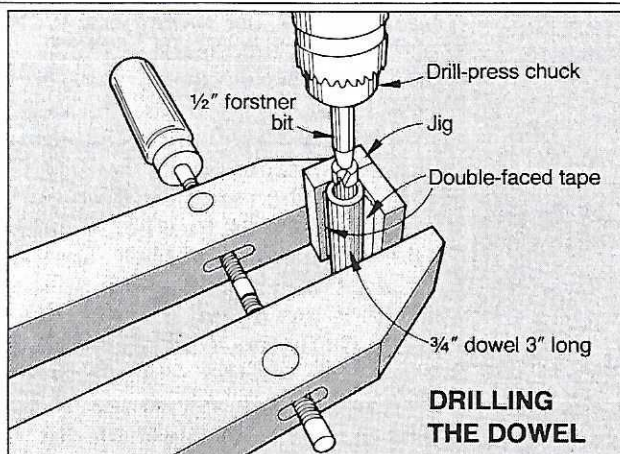
On two 5" lengths of $\frac{1}{2}$ " dowel, mark the simulated thread lines for parts E where shown on the full-sized pattern. Chuck each length into your drill press. Run the machine at its slowest speed as you cut $\frac{1}{16}$ " deep at each mark with a hacksaw or triangular file. Then, sand a $\frac{1}{16}$ " chamfer on the end. Drill the $\frac{3}{16}$ " hole where shown. Trim to $3\frac{5}{8}$ ".

Round the ends of two 2" lengths of $\frac{3}{16}$ " dowel, and glue one into the hole on each part E. Glue part E into part C, with 1" extending from the bottom of part C and the handle crosswise.

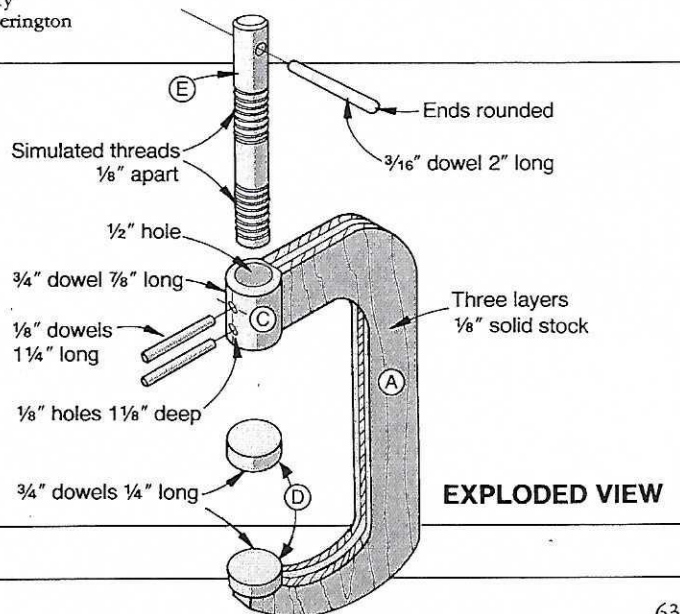
Next, drill $\frac{1}{8}$ " holes $1\frac{1}{8}$ " deep where indicated. Glue $\frac{1}{8}$ " dowels $1\frac{1}{4}$ " long into the holes, and sand the ends flush. Cut four pieces of $\frac{3}{4}$ " dowel $\frac{1}{4}$ " long for pads (D), and glue them in place. Finish-sand, and apply a clear oil finish followed by two coats of satin polyurethane varnish. 🌲



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DRILLING THE DOWEL



EXPLODED VIEW