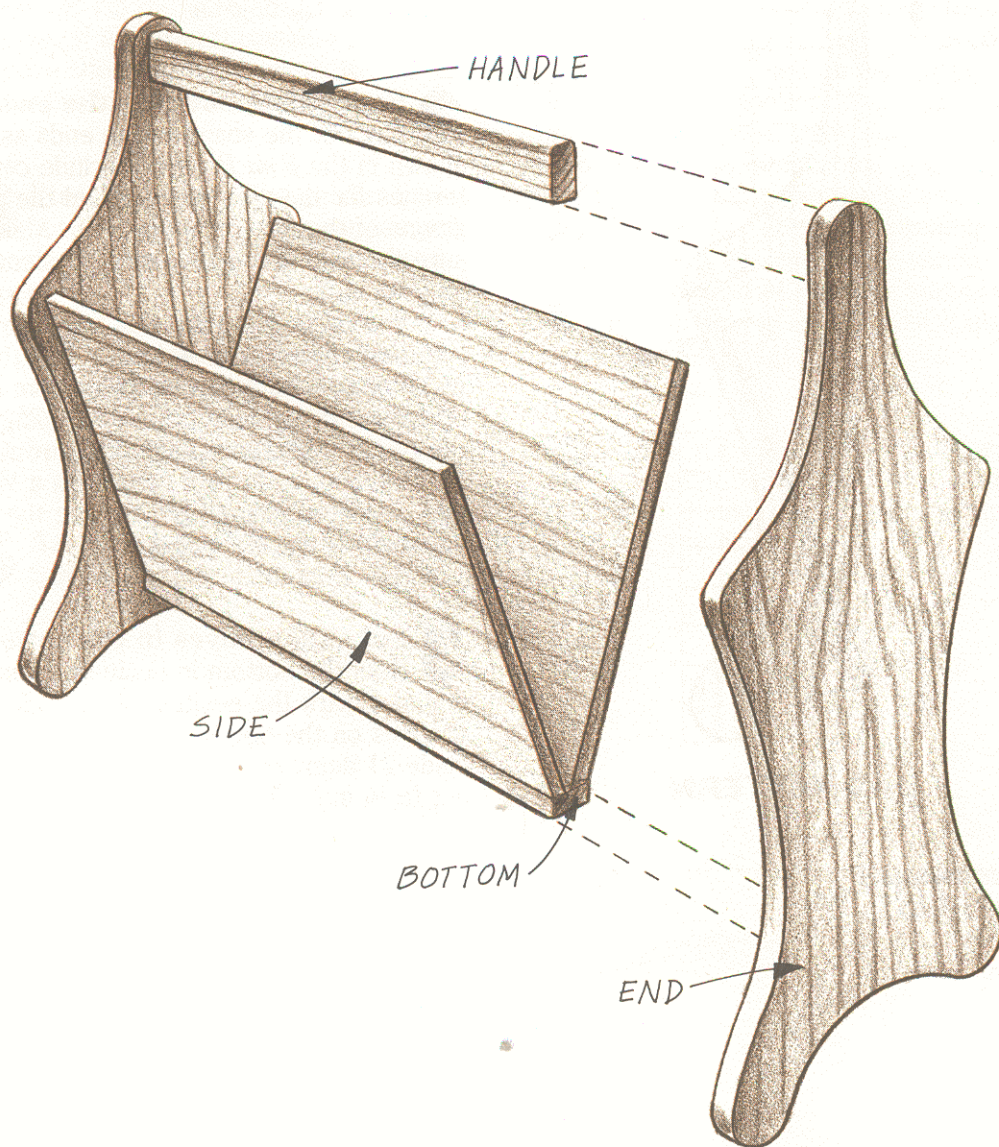


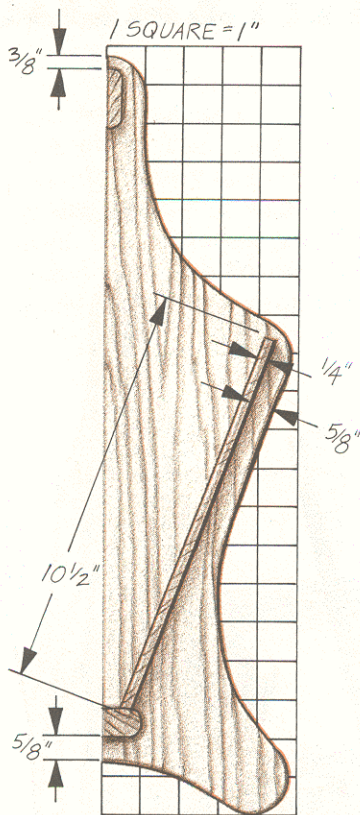
MAGAZINE RACK

If your home needs a magazine rack, you know it. The country home of the eighteenth century had no such need, but this one will fit well with country antiques. Our prototype was made with recycled wide pine boards. Hardwoods would be just as appropriate.

1 Select the materials. The magazine rack, though a small project, requires wide materials. If you don't have wide stock, edge-glue, as explained on page 6. The sides of our prototype are $\frac{1}{4}$ -inch-thick, solid wood. Substitute plywood for these parts if you don't have



EXPLODED VIEW

**END PATTERN**

a planer. Once you have the necessary width, cut the parts to the sizes specified by the Cutting List.

2 Rout side grooves in the ends.

Lay out the shape of the ends as shown in the *End Pattern*. Include centerlines for the side grooves and the positions of the handle and bottom. Make sure the side groove layouts are identical on both ends.

For each side groove in turn, clamp a straightedge to the end blank half the width of your router base away from the centerline of the side groove. Guiding the router with the straightedge, rout the side groove $\frac{1}{4}$ inch deep with a $\frac{1}{4}$ -inch-diameter straight bit. Square the ends with a narrow chisel.

3 Cut side grooves in the bottom.

Hold the bottom in position on an end and mark the position of the side grooves on the bottom. Tilt the saw blade 21 degrees and adjust the depth of cut to $\frac{1}{4}$ inch. Adjust the fence so the

CUTTING LIST

Part	Dimensions
Ends (2)	$\frac{3}{4}" \times 9\frac{3}{4}" \times 19\frac{3}{4}"$
Bottom	$\frac{3}{4}" \times 2\frac{1}{4}" \times 14\frac{1}{2}"$
Handle	$\frac{3}{4}" \times 1\frac{1}{2}" \times 14\frac{1}{2}"$
Sides* (2)	$\frac{1}{4}" \times 10\frac{1}{2}" \times 15"$

Hardware

6d finish nails

*Use either solid wood or plywood.

saw blade lines up with an edge of a groove and rip that edge. Readjust the fence and rip the other edge of the groove. If necessary, readjust again and remove the remaining waste. Repeat the operation for the other groove.

4 Finish shaping the parts. Saw out the ends with a coping saw and smooth the edges with rasps and sandpaper.

Chuck a 1/4-inch-radius, piloted round-over bit in a table-mounted router and round-over all four long edges of the handle and bottom and the entire periphery, both sides, of the ends.

5 Assemble the magazine rack. Sand the parts, then apply glue to

the grooves. Lay an end on your bench, with the grooves up. Insert the sides into the grooves in the bottom, then into the grooves in the end on the bench. Place the second end on top, fitting the sides into the grooves. Apply glue to the ends of the handle, then slip it into position. Drive two 6d finishing nails through the upper end into the handle and one into the bottom. Turn the assembly over and nail the other end to the handle and bottom. Check that the rack stands flat on a flat surface; give it a twist if necessary, then let the glue dry.

6 Apply a finish. Our prototype was stained a mellow, dark walnut and then oiled. Finish to your own taste; paint it if you like.