

WOODWORKER'S WJOURNAL

"America's leading woodworking authority"™

Classic Plan

In this plan you'll find:

- Step-by-step construction instruction.
- A complete bill of materials.
- Construction drawings and related photos.
- Tips to help you complete the project and become a better woodworker.

These plans are best viewed with Adobe Reader installed on your computer. If you want to get a free copy, visit:
<http://adobe.com/reader>.

Old Time Sled Wall Shelf





Old-Time Sled Wall Shelf

Made to look like an old-fashioned sled, this easy-to-make project will be a charming addition to any room in the house. The sides and shelves are made from pine solid stock while the back is knotty pine plywood.


To make the sides (A), start by cutting $\frac{1}{2}$ in. thick stock to a width of $2\frac{1}{4}$ in. and a length of 24 in. Lay out and mark the location of the $\frac{1}{2}$ in. wide by $\frac{3}{16}$ in. deep dado grooves, then use the table saw and dado head to cut them out. Next, the $\frac{3}{16}$ in. wide by $\frac{1}{4}$ in. deep by $18\frac{3}{4}$ in. long rabbet is cut with an edge-guided router and $\frac{3}{8}$ in. diameter bit. Note that the rabbet is stopped $3\frac{3}{4}$ in. from the top and $1\frac{1}{2}$ in. from the bottom. Because the router bit leaves rounded corners, you'll need to square them with a sharp chisel.

Referring to the side view, transfer the upper and lower profiles to the stock. Use the band saw to cut out, then sand smooth. To complete work on the sides, bore a $\frac{3}{4}$ in. diameter hole at the top of each one as shown.

After cutting the three shelves (B) to length and width, glue and clamp the sides and shelves, making sure the corners are square. When dry, remove the clamps and drive a pair of finishing nails in the end of each shelf. Counter-sink each nail about $\frac{1}{8}$ in. before filling with wood filler.

Cut the back (C) to overall length and width before laying out the curved profiles of the top and bottom. Cut out on the band saw and sand smooth. The cutout (see detail) is best cut with a saber saw after first boring a $\frac{3}{8}$ in. diameter starter hole.

Apply glue to the rabbet on the back edge of the sides and to the back edges of the shelves, then assemble and clamp the back to the sides and shelves. When dry, remove the clamps and add finishing nails through the back and into the rabbet and the back edge of the shelves.

Final sand all parts before applying a final finish. Stain to suit your personal taste, then add two coats of a good penetrating oil. When dry, buff thoroughly with a soft cloth. 



3/16" WIDE
x 1/4" DEEP
RABBET

(A)

ROUND OVER

(B)

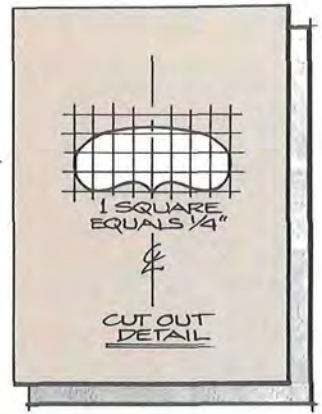
(B)

(B)

(C)

1/4" PLYWOOD
BACK

(A)



Bill of Materials
(all dimensions actual)

Part	Description	Size	No. Req'd.
A	Side	1/2 x 2 1/4 x 24	2
B	Shelf	1/2 x 2 x 9 7/8	3
C	Back	1/4 x 9 7/8 x 21 1/2	1

