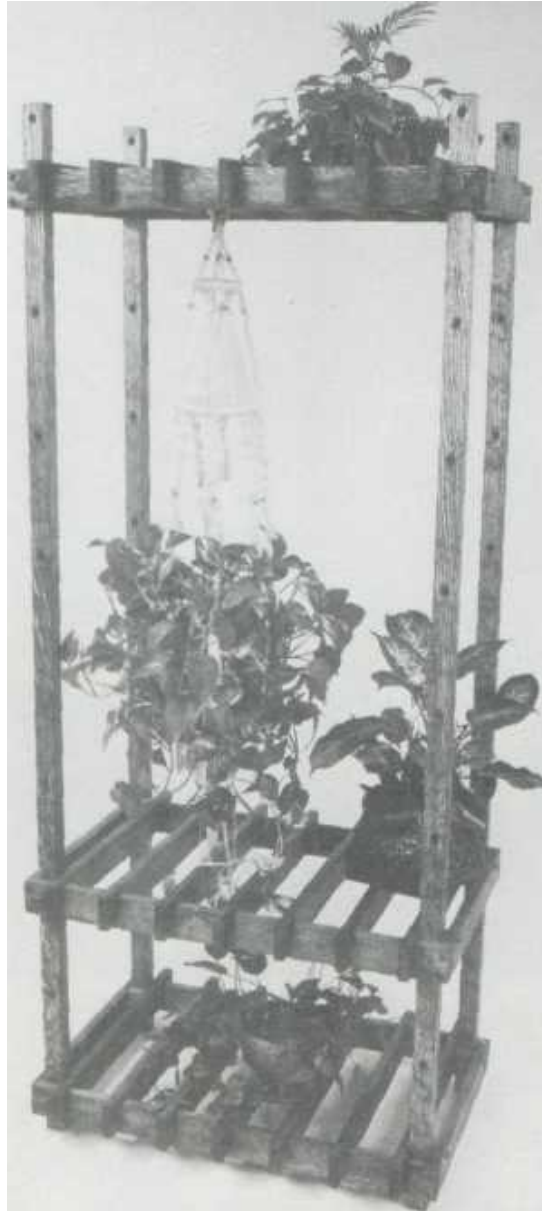
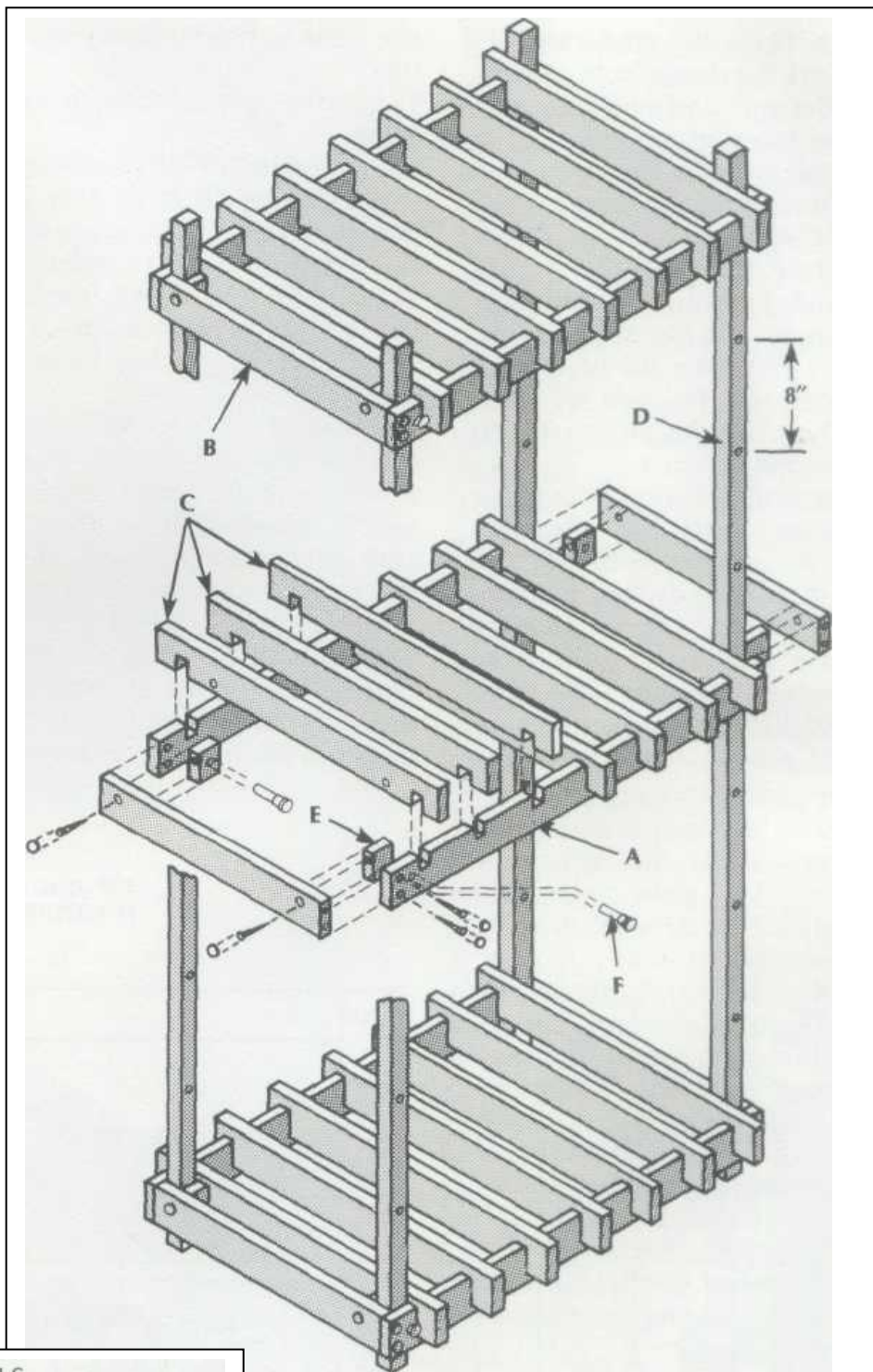


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**ADJUSTABLE
PLANT SHELVES**



Nothing brightens up a home better than a hanging plant. If you have a south-facing window or glass doors, you can bring your garden indoors for the winter with these attractive adjustable plant shelves. The shelves are slatted rather than solid so that the plants on the bottom can receive more light. If you build the shelves with cedar, redwood, or other weather-resistant lumber, you can keep the shelves outdoors during the summer.

1. Begin by measuring the window or door opening next to which you will place the shelves, and adjust the dimensions of the materials as needed. Keep in mind that the total unit should be no higher or wider than the window or door.
2. Begin construction of the shelves by cutting the front and back frames (A), side frames (B),
- 3.



LIST OF MATERIALS

(finished dimensions in inches)

A	Front and back frames (6)	$3/4 \times 2-1/2 \times 30$
B	Side frames (6)	$3/4 \times 2-1/2 \times 17$
C	Slats (21)	$3/4 \times 2-1/2 \times 21-1/2$
D	Stiles (4)	$1-1/2 \times 1-1/2 \times 72$
E	Peg blocks (12)	$3/4 \times 2 \times 1-1/2$
F	Pegs (12)	1 dia. \times 2-1/2
	Dowel buttons (36)	3/8 dia.
	Flathead wood screws	#10 \times 1-1/2
	Waterproof glue	

slats (C), and peg blocks (E) to size from 1 x 3 stock.

3. The slats and the front and back frame members are joined together using cross lap joints as shown in the exploded-view drawing. These joints are formed by cutting 3/4"-wide dados 1" deep in both sets of pieces.

4. Lay out and cut the dados on the front and back frames as shown

in the front frame and shelf layout drawings. Note that the middle dado is centered along the length of the frames and that all dados are 3-3/8" apart.

5. Lay out and cut a pair of dados on each slat as shown in the slat detail drawing. Note that these dados are set 1-1/2" from the ends of the pieces.

6. Drill 1/2"-diameter peg holes through the front frames and back peg blocks. The holes in the front frames are centered 1" below the upper edge and 1-1/2" from each end. The holes in the blocks are centered on both width and length. Counterbore screw holes in the front and back frames, side frames, and the outermost slats of each shelf. Then sand all the shelf pieces.

7. Assemble the frames, using weatherproof glue and #10 x 1-1/2" flat-head wood screws. Do not glue in the five middle slats of the top shelf; with these slats left unglued and detachable it is much easier to put up and take down your plants.

8. Cover the counterbored screws with 3/8"-diameter dowel buttons.

9. Cut the four stiles (D) from 2 x 2 stock. Center and drill 1/2"-diameter peg holes at 8" intervals along the length of each stile, beginning 4" from either end. Sand the stiles.

10. Turn the pegs (F) on a lathe from scrap 2 x 2 stock to the profile

shown in the peg detail. Sand and finish the pegs on the lathe.

11. If you are planning to use the shelves outdoors, finish with a good outdoor finish such as spar varnish or polyurethane. (If you used cedar, redwood, or weather-resistant lumber, no finish is necessary.)

12. Finish the assembly by sliding the shelves over the ends of the stiles. Position the shelves and secure them with the pegs.

