

Project Plans



Step Stool / Chair

Have fun making this handy step stool/chair. The stand is useful around the house and the chair is great for small children.

Steps to Take:

- Cut all pieces to size.
- Drill 1/4" and 3/4" holes in B pieces.
- Nail the corner blocks to B pieces.
- Place dowels for stops and spacer through B pieces, glue together.
- Attach seat to B pieces.
- Drill holes in A pieces as illustrated.
- Attach A pieces to backrest.
- Attach A pieces to B pieces using machine bolts and washers on each end of B pieces.
- Place a steel washer between piece A and piece B, as well as at each end of the bolt.
- Finish as desired.

Hand or circular saw, hammer, drill press or boring tools with appropriate bits, coping saw, belt or oscillating sander (or sandpaper), clamp (if gluing pieces)

Bill of Materials

Qty	Item	Specifications
1	Lumber	1 by 8 (actual size 3/4" x 7-1/2") and 6 foot long. Out of this piece cut: Two A pieces Two B pieces One seat, 7-1/2" x 12" One back rest, 4 1/4 x 13-3/4" Two corner blocks, each 3/4" x 1" x 6-1/2"
1	Dowel Stock	One piece of 3/4" x 16". Out of this piece cut: Two stops, 3/4" x 1-1/2" One spacer, 3/4" x 12"
2	Machine Bolts	1/4" x 2" machine bolts
6	Washers	1/4" steel washers
Box	Nails	6d finishing nails
	Wood Glue	
	Finish	Your choice

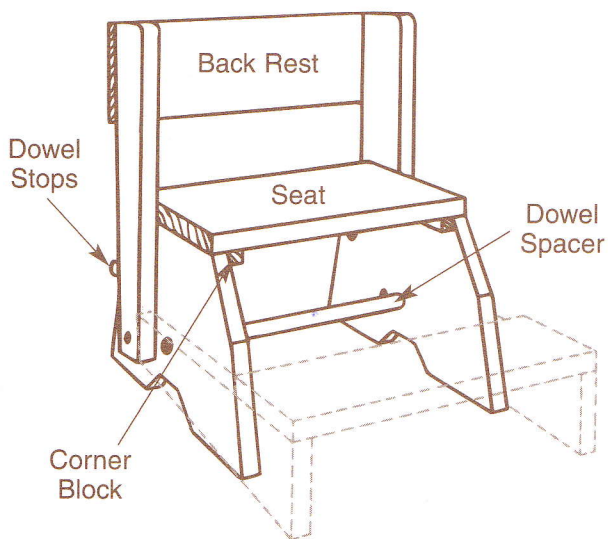


Figure 1

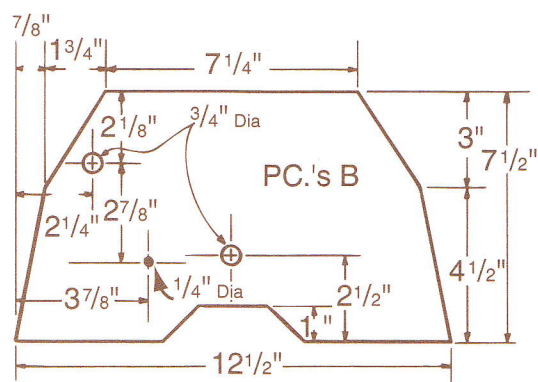


Figure 2

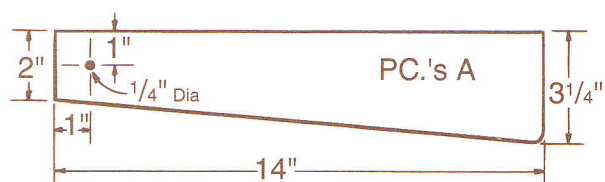


Figure 3

Acknowledgment: From *Building Bigger Things*
4-H Wood Science Guide.