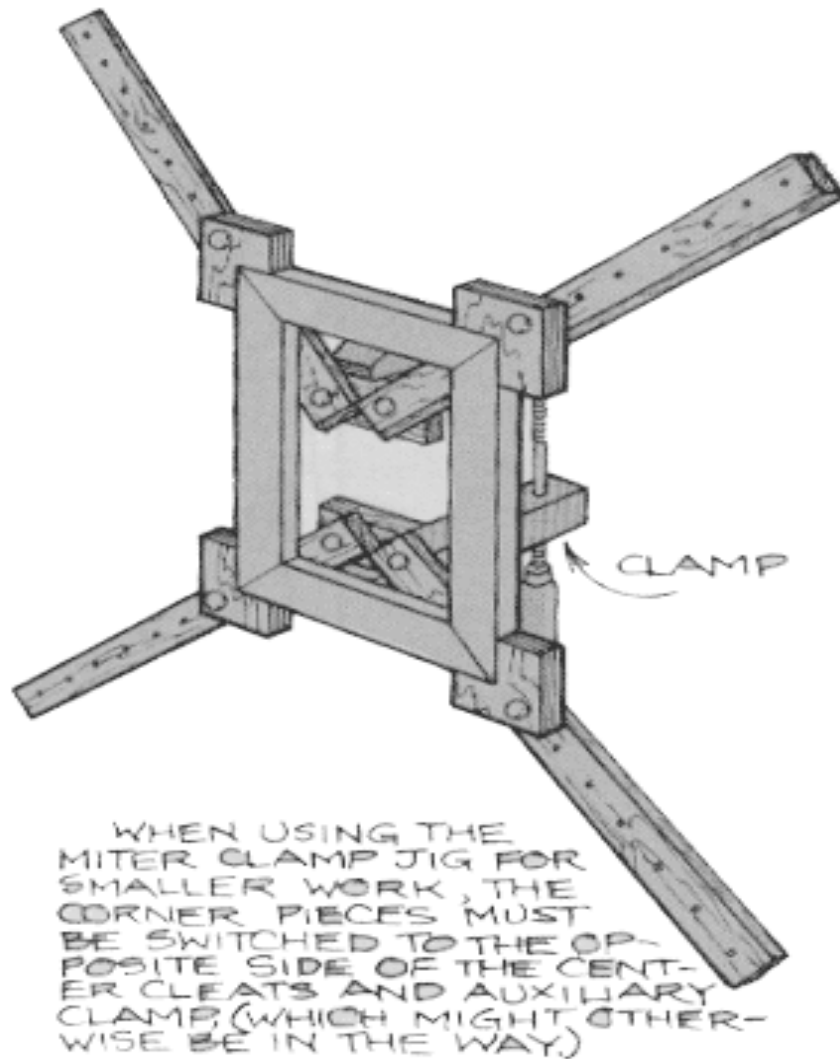


## Project 14493EZ: Miter Clamping Jig

*Every woodworker knows the importance of clamps; it seems that one never has enough.*

*Given the expense of commercial clamps, shop-built clamps are a popular item with most woodworkers. This easy-to-make miter clamp is useful with virtually any project calling for mitered frames. From mitered frame-and-panel construction to picture framing, the adjustable corners accommodate a wide range of frame sizes. The wing nuts facilitate easy knockdown and change-over capability, without the need for any tools. The jig applies firm, even pressure at all four corners through a hand screw positioned across the two center cleats. For small and odd-sized frames, simply switch the four corner pieces to the opposite side of the clamp where the center cleat will not interfere with the clamp-up.*





## Miter Clamping Jig Step-by-Step Instructions

1. Cut four lengths of 3/4" hardwood stock, 1-1/2" wide x 16" long.
2. Cut two shorter sections of the same stock, 1-1/2" wide x 4-1/2" long.
3. Cut the four corner pieces from 3/4" plywood to the specified dimensions.
4. Drill a 1/4" hole at each inside point where the miters will meet.
5. Drill the 5/16" diameter holes through all the pieces to accept the 1/4"-20, 2" long bolts (you will need eight bolts, washers, and wingnuts total).
6. Soften all the edges with sandpaper.
7. Wipe on several coats of penetrating oil.

*When using the clamp, wax the corners to prevent glue from sticking during glue-up.*

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