Clamp Hanging Rack
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Woodworking Made Easy
This project is constructed from 3/4" (19mm) plywood. It’s assembled with pocket hole joinery using 1-1/4" (32mm) pocket screws. It’s attached to the wall using 4" (100mm) construction screws.

The hangers are positioned for optimal installation on a wall with 16" centered studs. If you’re mounting circumstances are different, you’ll need to modify the layout and positioning of the holes and uprights.

Create [7] 14" (350mm) plywood squares. Cut them each in half, corner to corner. Cut off 2" (50mm) from each 45° corner of each piece.
Pocket holes drilled on the outside surface of each pair of uprights, so you can access them with your drill.

There are [2] types of uprights in regards to which side the pocket holes are on. [1] of each type make up a pair of uprights.

[2] close pocket holes near the top

[2] more pocket holes evenly spaced down the side
When assembling, clamp the uprights to the backboard as shown here. Be sure to line each piece up as per Layout & Dimensions page shows, and use a square when clamping to keep it 90 degrees.

Clamping like this when drilling pocket screws should eliminate any movement in the board when tightening down the screws.

Insert the 2 close top screws first, and work your way down.
When installing, locate your studs and line up the mounting holes with them.

Use 4" construction screws, #8 or #10, to secure the backboard to the wall. This would be 100mm x 4mm or 5mm in metric.
The small clamp hanging rack can also be made from plywood, but I would recommend solid wood for the upright supports. If you use solid wood to make the top, you'll want to use a wide board so the grain runs front to back, not side to side along the length, which would greatly reduce the strength of the 'fingers'.
Cut the top and the back as shown on this page. Attach them using glue and pocket screws from the back of the back board.
The supports can have any custom, free-handed shape you want, or the angle can be cut at a straight line.

Secure them to the Top and the Back with glue and pocket screws.

When installing, locate your wall studs and secure the shelf to the wall using a couple 3" by #8 or #10 (75mm x 4mm or 5mm) construction screws.