

This 6 foot pot and pan rack hangs from the ceiling and puts kitchen gear in easy reach. Hang it wherever most convenient for the family cook—close to the range, near the kitchen sink, food preparation center, etc. But, careful, not where you can bump your head!

Rails for this ladder are made out of 1 x 4 stock; rungs are 1" dowels, 48" long and cut in half. Rack is hung from ceiling by chain attached with S hooks to lag eye bolts set into ceiling joists and top edge of ladder rail.

Pots, pans, etc., are hung from rungs using S hooks.

While the ladder rack illustrated is 72" x 24" you can adjust these dimensions to fit your particular needs and space.

STEP 1—RAILS

- Cut two 1 x 4 rails to equal length. Clamp them together and drill holes through both for 1" dowel rungs. Measure to find the exact midpoint in length. This will be the point for the first hole. Set other holes 6" on center from this first hole. The end rung hole should be no more than four inches from the end of the rails. Drill all holes while rails are clamped together.

STEP 2—DOWELS

- Cut each 48" long dowel in half. Then follow "wedge method" for assembly (see details 1-5). Notch both ends of each dowel to a $\frac{5}{8}$ " depth x thickness of the saw blade. Insert dowel through holes between the rails, keeping notch vertical to wood grain, and glue in place. Cut wedges from scrap, tap in place, glue, let dry, trim off excess and sand smooth.

STEP 3—FINISHING

- When glue is dry, sand with No. 80 and No. 120 sandpaper, then apply a finish to the ladder. Use either a clear finish or a bright enamel which can add a lot of color to your kitchen.

STEP 4—BOLTS TO JOISTS

- Pre-drill holes and install four of the lag eye bolts in ceiling joists. Set each pair 23" apart and for a 72" foot long ladder, 68" between pairs.

STEP 5—BOLTS TO RAILS

- Pre-drill holes and install the other four lag eye bolts on top edge of rails. Set them 4" from end of rails or so they will line up with eye bolts in ceiling joists.

STEP 6—HANGING

- Hang ladder with chains connected to lag eye bolts with S hooks. Use S hooks to adjust chain to get ladder rack right for cook. Add more S hooks to hang pots and pans.

MATERIALS:

- 2 pieces 1 x 4 (actual size $\frac{3}{4}$ " x $3\frac{1}{2}$ ") 6' long
- 6 pieces 1" dowel 48" long
- 4 lag eye bolts for ceiling joists
- 4 smaller lag eye bolts for attaching to ladder
- 8 S hooks
- 4 lengths of chain

