Do It Yourself

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Wine Rack

From "DIY Home Repair & Remodeling"
episode DIR-163 -- More Projects »

You can buy a variety of wine-glass racks in a wide range of prices. One kind that hangs from the ceiling (**figure A**) can be enhanced to include a wine rack.

Materials:

1" x 4" boards
Table saw
Drill, with drill bits
Hammer
Finish nails
Wood glue
Decorative chain
Eye hooks with matching cap nuts
Corrugated roofing-support material
Safety glasses

Figure A

Figure B

1. The wine rack will be made of six 14"-long 1" by 4" boards cut so they have angled "shoulders" (**figure B**). To create these angled boards, set a table-saw blade to face 26 degrees away from the fence (**figure C**), and run the boards through on their sides. To create pieces for the ends, cut a shoulder section off each end piece (**figure D**).

2. Make a reference mark 1" from the front end of each board (**figure E**).

3. Rip a 1" by 4" board down to a 1" strip. Lay the boards side by side, and lay the 1" strip across them so it lines up behind the reference mark. The strip should hang over the ends by about 1" (**figure F**). The space between the slats should be 1 1/2". Mark the proper spacing for the slats on the 1" strip of wood. This will help you align the slats properly.
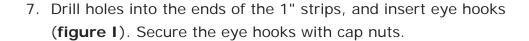

Figure C

Figure D

4. Secure the strip to the slats with wood glue and finish nails. Use two nails for each slat.

5. Lay another 1" strip of wood across the slats on the back end of the rack. Position the strip so it's about 1" away from the edges of the slats (**figure G**). Glue and nail the strip into place as before.

6. Cut two pieces of corrugated roofing-support material 18 1/2" long. Measure and mark the center of the corrugated strip, and mark the center of the 1" strip of wood you placed on the slats. Run a bead of wood glue on the top of the 1" strip, and place the corrugated material onto the strip so the center marks line up (**figure H**). Repeat the procedure for the other 1" strip.

7. Drill holes into the ends of the 1" strips, and insert eye hooks (**figure I**). Secure the eye hooks with cap nuts.

8. Attach decorative chains (available at home-improvement centers) to the eye hooks (**figure J**) so you can suspend the rack from the ceiling.

- **ALSO IN THIS EPISODE:**
  Creating Attic Storage
  Building a Storage Chest
  Building a Window Seat From Wall Cabinets
  Wine Rack
  Lawn-Tool Storage

Figure E

Figure F

Figure G

Figure H

Figure I

Figure J