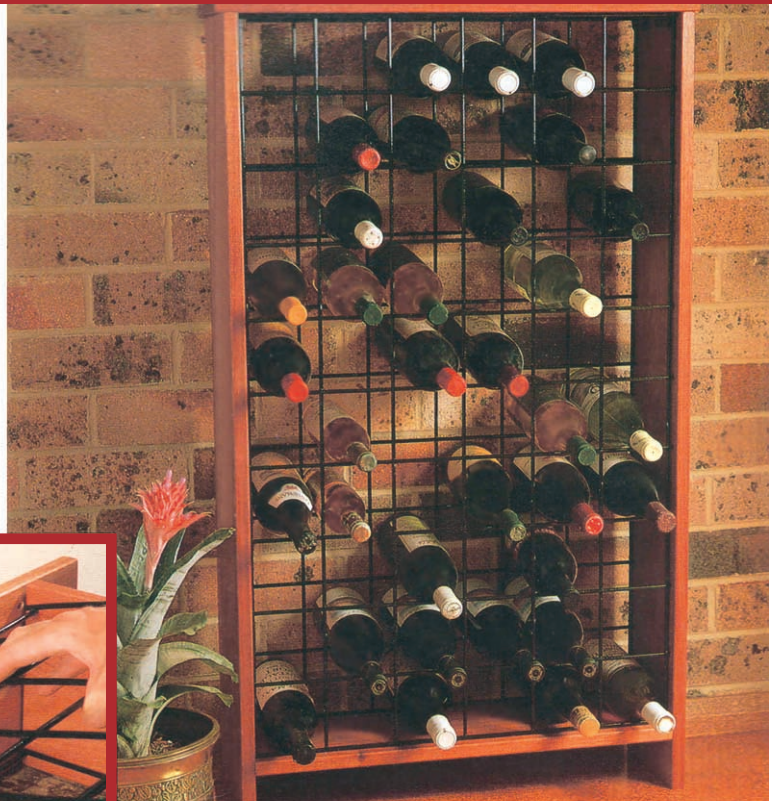# WINE RACK

The ultimate DIY storage solution for the wine connoisseur

A simple storage idea which can be adapted to the space available. The wine rack shown here will hold 60 bottles.

MATERIALS

- 200 mm x 25 mm pine,
  1 x 1.50m,
  2 x 1.20m
- 100 mm x 100mm galvanised steel reinforcing mesh, two of 600 mm x 1000mm
- Knockdown joint blocks
- 250m polyurethane varnish
- 250m black spray paint

SPECIAL TOOLS

- Bolt cutters
- 8 mm drill bit

METHOD

1 Cut steel reinforcing mesh to 6 x 10 holes using bolt cutters. The bars are approximately 5.5 mm thick. The bottom edge can be a factory edge without projections. If the bolt cutters are held against the side of the adjacent bar, you will achieve a 5 mm projection for fixing into the timber.

2 Spray paint the mesh black. Make sure you protect walls and surfaces with drop sheets or spray outside.

3 Cut sides to length, allowing for wire mesh, bottom shelf and ground clearance. Total length is 1100 mm. Bottom shelf should be 600 mm plus 5.5 mm. The top will overhang the sides slightly, and so is cut to 665 mm.

4 On the two sides, mark in two lines 20 mm from front and back. Down that line from the top, mark 3 mm, 103 mm, 203 mm, 303 mm and so on to allow for the ten bays. On the top piece, the rows of holes are set back by 5 mm, therefore 25 mm from the front and 15 mm from the rear.

5 Oversized 8 mm holes can now be drilled to take the steel. To protect against drilling too deeply, make a drill depth stop from a scrap of 25 mm x 25 mm timber so that you only penetrate timber to 10 mm.

6 Separate fittings and fit female part to facing side of joint, and male part to the ends of adjoining board. This will draw the parts together. The front blocks are fixed with the centre 50 mm from the front, and the rear ones 45 mm from the rear.

7 Assemble the unit with the bottom shelf first; insert the mesh and then the top, being careful to align all components correctly. When finished, dismantle and clean up the timber with sandpaper. Coat with polyurethane varnish.

8 When the unit is dry, you can re-assemble and stock it.