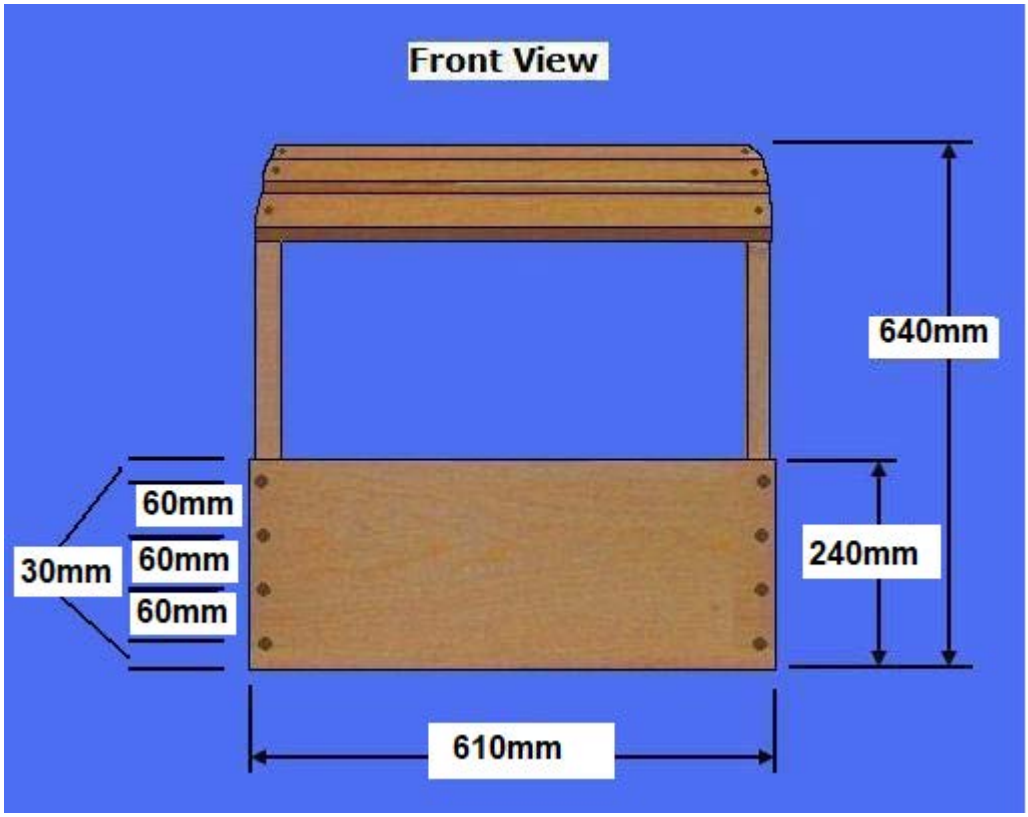
Saddle Rack Plans

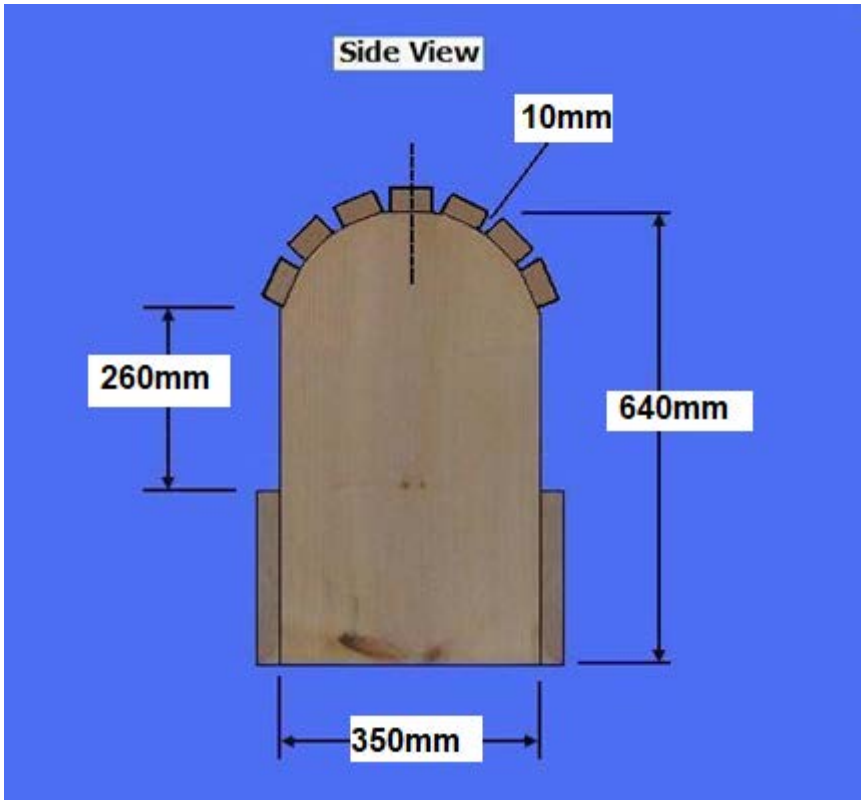
With the right plans, materials, and equipment, you can build a Saddle Rack, as shown here.

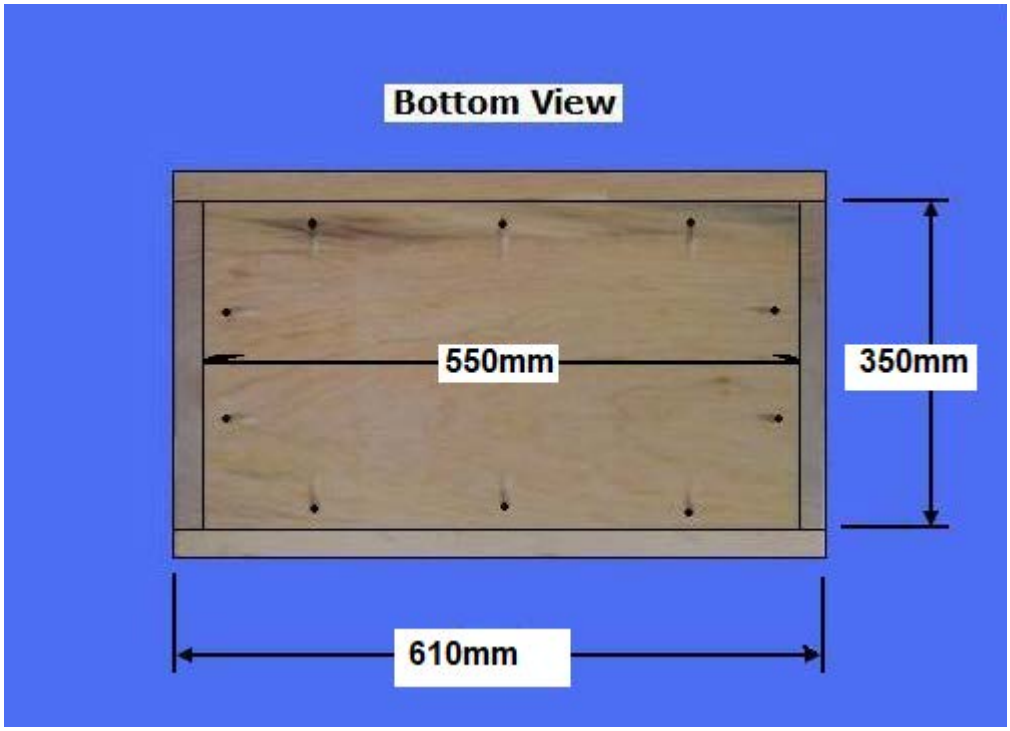
Materials:

- 25-30mm x 300mm x 300 Pine (or desired wood): One piece
- 20mm x 600mm x 600mm Plywood: One piece for the bottom panel Kreg Screws; 1/4 lb. 1 1/2" Wood Screws; 1/4 lb. (Im trying to find the Aussie equivalent – bear with me)
- 1/4" plugs; 30
- Sandpaper
- Wood Filler and Glue
- Satin Finish Polyurethane **Poly**


Top View


Front View
640mm
60mm
60mm
60mm
30mm
240mm
610mm


Side View
10mm
260mm
640mm
350mm



Step 1: Cut the Rack Pieces - Determine the desired size of the Saddle Rack or use the dimensions here

- Select the 30cm material; Crosscut six pieces @ 610mm for the two Sides, front/back panels, and the top slats
- Select two panels: Rip them @ 50mm for the seven top slats
- Select two panels: Rip them @ 240mm for the front/back Panels

You can use a jig as above – or trace around a plate or paint tin to trace the curve.

Step 2: Cut and Assemble the Main Pieces - Select Sides and the Front/Back Panels

- Select the two side panels; Using the dimensions above, make a template for the rounded top edge; using a band saw cut the rounded top edges; sand the rounded surfaces of both Sides
- Select the front/back panels; Using the dimensions above, drill four, 1/8" holes with a 1/4" Counter Sink, 1/2" in from each edge of the two Panels
- Select the plywood; Cut the bottom panel per the dimensions listed above
- Drill the holes along the edges of the bottom panel, as shown above
- Select the bottom panel and two, side panels; Using Kreg Screws, attach the bottom to the side panels
- Select the front/back panels; Using Kreg Screws, attach the Bottom Panel to the front/back Panels
- Select the main assembly; Using 1 1/2" Screws, attach the front/back panels to the side panels

Step 3: Complete and Attach the Top Slats - Select the seven, 50mm Slats

- Select the Slats; Mark the centre, approx. 13mm in from each end and drill a 1/8" hole with a 1/4" counter sink
- Select the seven slats with the holes; Sand all surfaces, but NOT the Edge Facings
- Select one slat and the rack assembly. Mark the "centre" of the "rounded top edges" of each side, and the "centre" of the slat; Line up the "centre points" of each, and connect the slat to the Sides with 1 1/2" screws
- Select the remaining six, slats; Using a 10mm" spacer at each end of the initial (top, centre) slat, place and attach the remaining slats working down from the first slat, as shown above
- Select the plugs; Using a dab of glue and a hammer, insert the plugs so they are "flush" with the surface of each slat; Also, insert plugs in the holes of the front/back Panels

Step 4: Finish the Saddle Rack - Select the Finishing Materials

- Use wood filler for all holes
- Complete all sanding
- Apply a minimum of three coats of poly or paint.

Thanks to the original plan maker Wayne Murray, from woodworking corner.

For users of imperial (rather than metric), Wayne has imperial plans on his site www.woodworkingcorner.com