

Weapons Rack

By Máistir Pól ó Briain

Materials used;

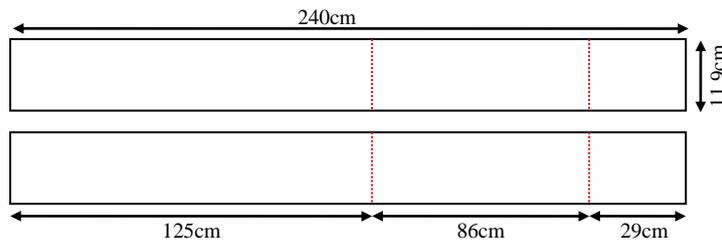
- 2 lengths of 1.8cm x 11.9cm x 2.4m (or similar)
- Wood Glue
- Sandpaper

Cut into the following Lengths;

2 x 125cm (uprights)

2 x 86cm (shelves)

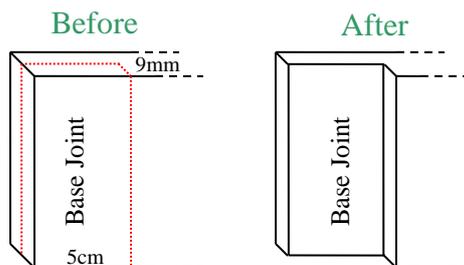
2 x 29cm (base)



Uprights

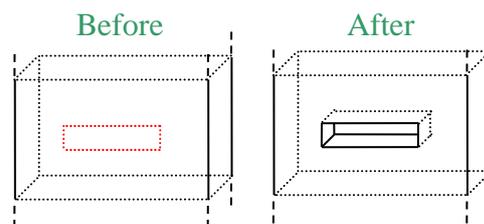
Base Joint

- Measure 5cm from the base and using a 'Try square' mark across the width of the wood. Repeat up the 9mm sides of the wood and again along the base.
- With saw cut along the first line down to the 9mm line.
- With a hammer and chisel remove the marked out wood



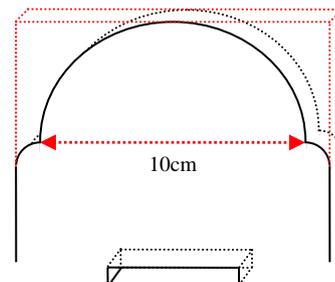
Slots for Shelves

- Measure 15cm from the top and use the 'Try square' to mark across the width of the wood. Repeat again at 16.8cm, 81cm and 82.8cm from the top. (You should now have 2 sets of parallel lines 18mm apart which is a set for each shelf).
- Mark a 18 x 50mm box between the parallel lines.
- Use a Drill and Jigsaw to cut out the slots you have just marked



Top

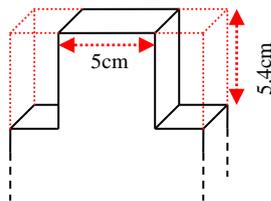
- Measure 5cm from the top and mark the centre of the width of the wood.
- From the above point use a compass to draw a 10cm semi circle and cut out using a jigsaw. Please note you can free hand draw the shoulders onto the semi circle in from the sides.



Shelves

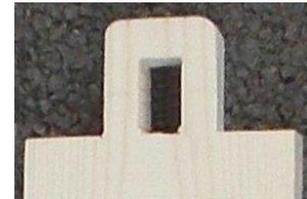
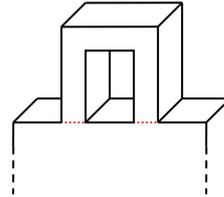
Slot Joint

- Measure 5.4cm from both ends and use the 'Try square' to mark across the width of the wood. Measure 3.45cm in from both sides (leaves 5cm in the centre) and mark.
- From the two marks draw two parallel lines out to the ends of the wood.
- Using a saw cut along these lines (this should leave you with a bit of wood that should fit through the slots in the uprights)



Holes for Pegs

- Measure a 1.8cm by 3.6cm box on each of the joints and make sure it lines up with the base of the joint.
- Use a drill and jigsaw to remove the waste wood and leave a hole for the pegs to go through.
- Test to make sure shelves fit uprights



Slots for Swords

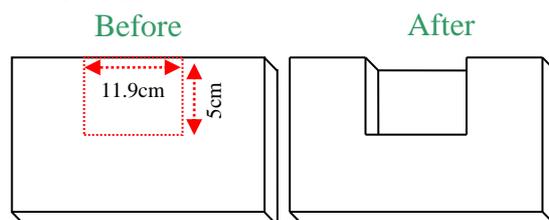
- On the top Shelf cut how ever many slots you need for your swords (approx 6cm deep and wide enough to fit the swords without letting them twist too much). Take care to measure the size of baskets/guards on your swords so that there is enough space for them all to fit.
- On the bottom shelf cut grooves out for the blades to slot into. This will help keep swords in place.
- Again on the bottom shelf cut 1 inch holes for the daggers. Make sure that you cut them offset from the slots on the top shelf. This will allow you to reach for them without having to move swords to get at them.



Base

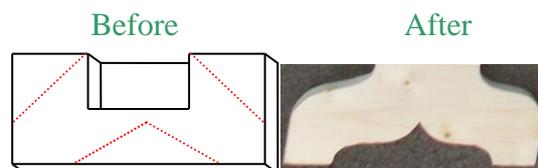
Base Joint

- Measure 8.55cm from both ends of the base plate (leaving 11.9cm) and then use the 'Try square' to mark down another 5cm to mark out a rectangle.
- With a saw cut along these lines (this should leave you with a bit of wood that should fit through the slots in the uprights)
- With a hammer and chisel remove the marked out wood



Shaping Base plate

- Shape out your base plate and then cut out using a jigsaw. You can get as fancy as you like with what shape you wish to cut but I would strongly suggest that you cut out a gap to form 2 legs rather than have just a flat bottom to your base.



Join Upright to base

- This is as simple as using some wood glue and some clamps to press and hold them together and wait for the glue to dry (approx 24 hours but check the label on the glue).



Pegs and finishing

Pegs

You will have more than enough off-cuts from shaping the base to make 4 pegs. Make sure that one side is flat to fit against the uprights. I also made them with a large top so that they are easy to remove.



Finishing

You can use whatever finish you wish but make sure you seal your wood in some manner.

I used a weather proof wood stain which has the advantage that it soaks into the wood and doesn't sit as a layer on top of it which could mean you needing to widen your slots and peg holes.

Notes on heights and spacing of shelves

- The lower shelf is set so that any Daggers (max blade length of 18") can be rested through the holes and not make contact with the ground.
- The top shelf is set at a height so that my longest sword does not make contact with the ground.
- The gap between the two shelves is the length of blade of the shortest sword I have (minus a couple of inches so that the tip of that sword is below the lower shelf).

