



## Scott Horsburgh Designer and Maker of Fine Handcrafted Furniture

Article 4: 5<sup>th</sup> September 2009

Piece: Sideboard

Subject: Final dimensioning of the end frame panels.

Once I had veneered both sides of the panels (outside of Jarrah and the inside White Birch) I accurately measured the final size I needed to fit in the end frame. This was done by dry clamping the frame together and measuring the internal dimensions.

I wanted a 1mm gap around all edges of the panel as I like this detail and it creates a nice shadow line. I also set the panel in about 2mm from the outside faces of the frame. Once again, this is a detail I like.

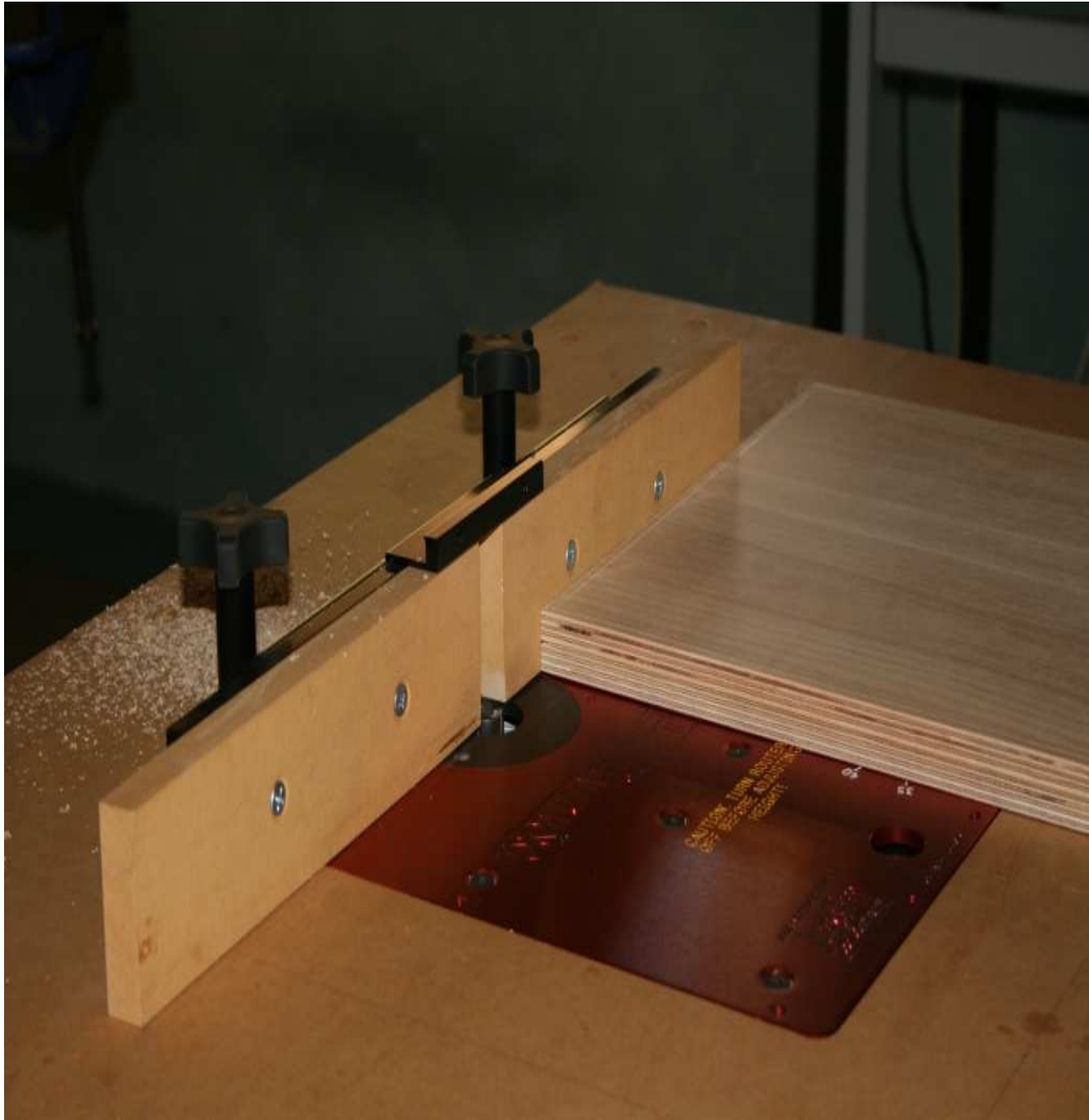
I fixed the panel into the frame by tongue and groove joinery. Because the panel is veneered I could make this tongue and groove quite snug as I had no need to account for movement in the panel.

So I assembled the frame and dry clamped it together. I then measured the size of the panel and included a tongue with a 5mm depth into the frame on all sides to arrive at the final dimension. I then marked this size out on the panel using a marking knife to score the veneer to prevent any tearout when cutting. As I do not have a table saw I used my surface planer and docking saw to cut the panel to its overall size. The marking out with a sharp knife did prevent any tearout.

Because I then had the panel the correct size I could use a marking gauge to mark out where to cut for the tongue. See photo below.



Scoring the veneer will enable me to cut to the line without the fear of horrible tearout. I then used my router table to cut the tongue by removing the waste off both sides right the way around the entire panel. See photo below. You can see the marking gauge line on the top side.



Once I had the panels prepared I checked the fit inside the frame by clamping it all together dry. If there were any small adjustments to be made I used my shoulder plane (with a freshly sharpened blade) to even up the gaps between the panel and the frame and ensure they were all consistent. See photo below.



Before gluing up the end frames I finished the panel and the inside faces of the legs and rail of the frame. Finishing them prior to glue up allows you to do it cleanly and fully. It is far more difficult to finish when it is all together. I am using Carnauba Polish to finish the entire piece so I rubbed this on with the grain and buffed to a beautiful finish.

As the panels are veneered I was not concerned about waxing the corners of the panel to prevent them from being glued to the frame. The veneered panel will not move so having it glued all around will not cause any problems.

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