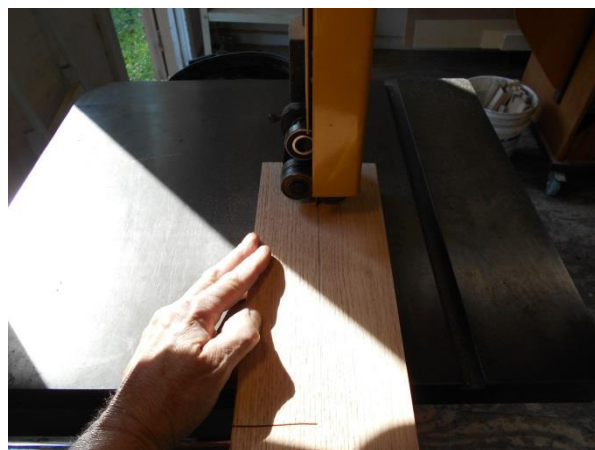
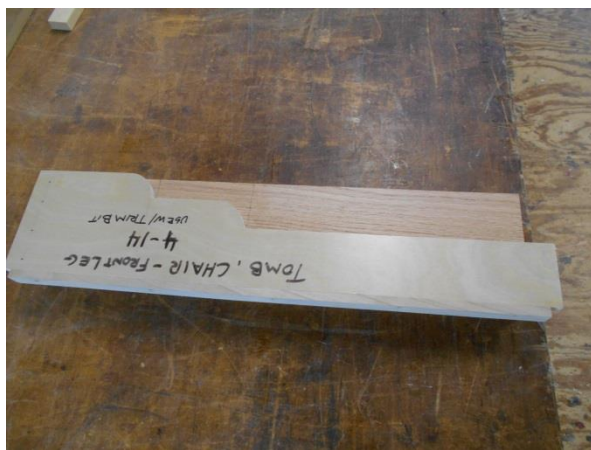


## Pattern Routing

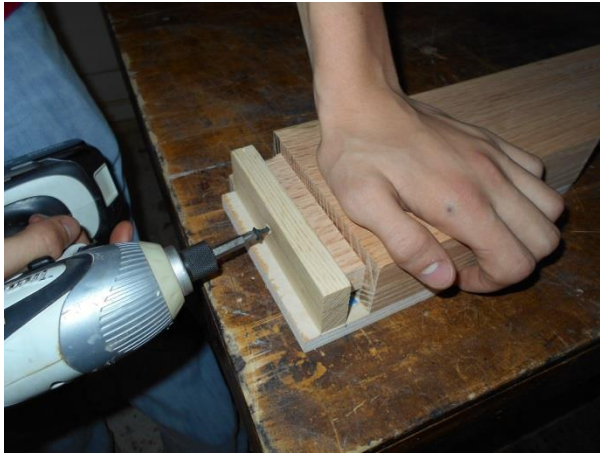
Using patterns with a router is an effective way of duplicating shapes or furniture parts as in this Arts & Crafts style chair (sketch below) of which I am building a pair. The front legs could be band sawed and sanded but the little time taken to make the pattern greatly reduces sanding time later on.



The pattern is cut out and stops are attached so that it will register in the same way to each leg blank. The same pattern is also used to trace the shape onto each blank. The leg is then cut out on the band saw making sure to leave about 1/16<sup>th</sup> of an inch to the waste side of the line. Note that all mortises and tenons have been previously cut.



Once the leg has been band sawed, the pattern is attached. I used double stick tape on the bottom end and a screw into the top end.



Using a 1/2" pattern bit in a router table now makes quick work of bringing the leg to the final size. The bearing follows the pattern while trimming the leg to the exact shape. The router table fence serves no purpose here other than a place to attach the shop vac hose.



A few seconds with a chisel squares the round inside corners left by the router.



