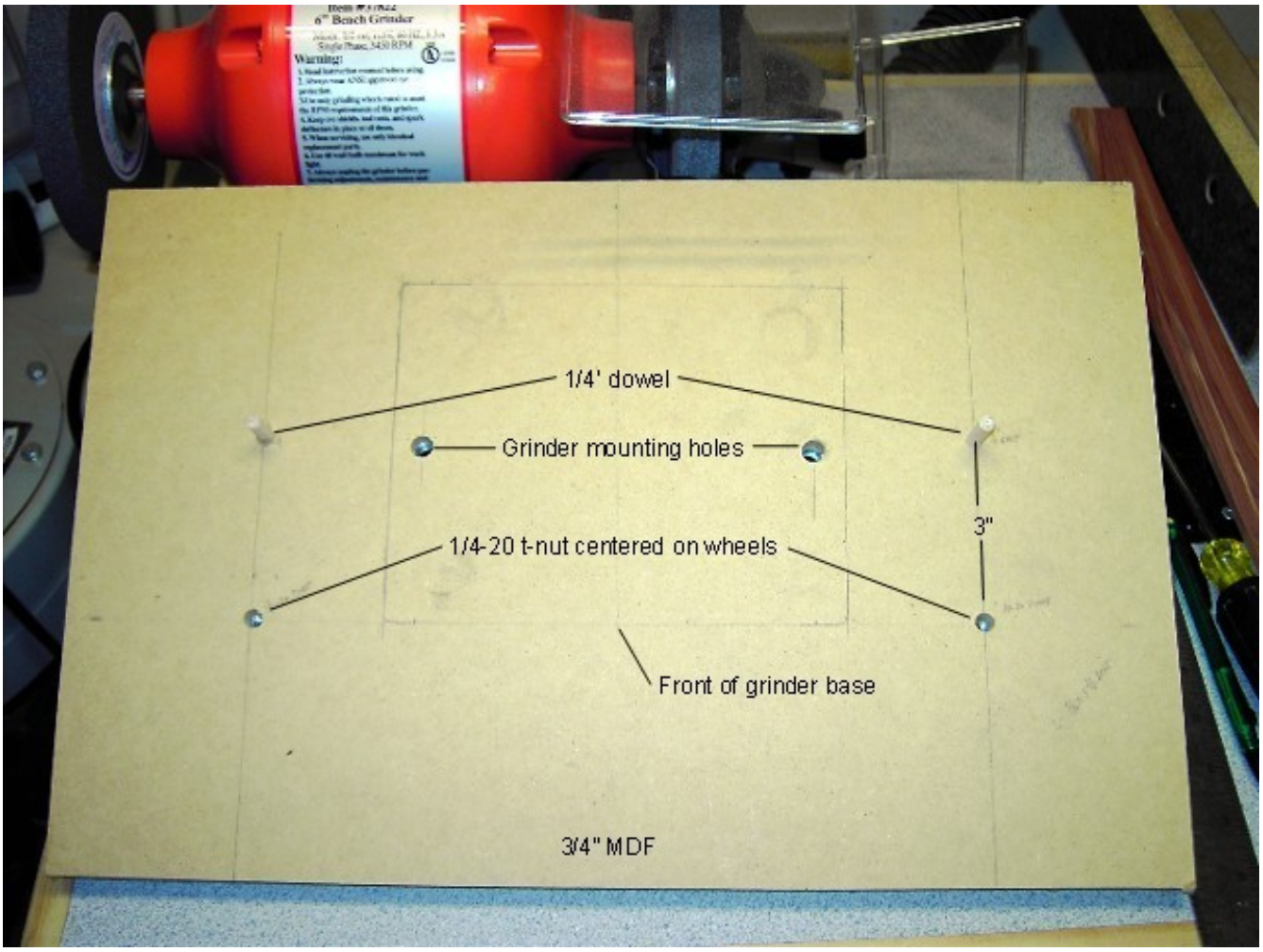
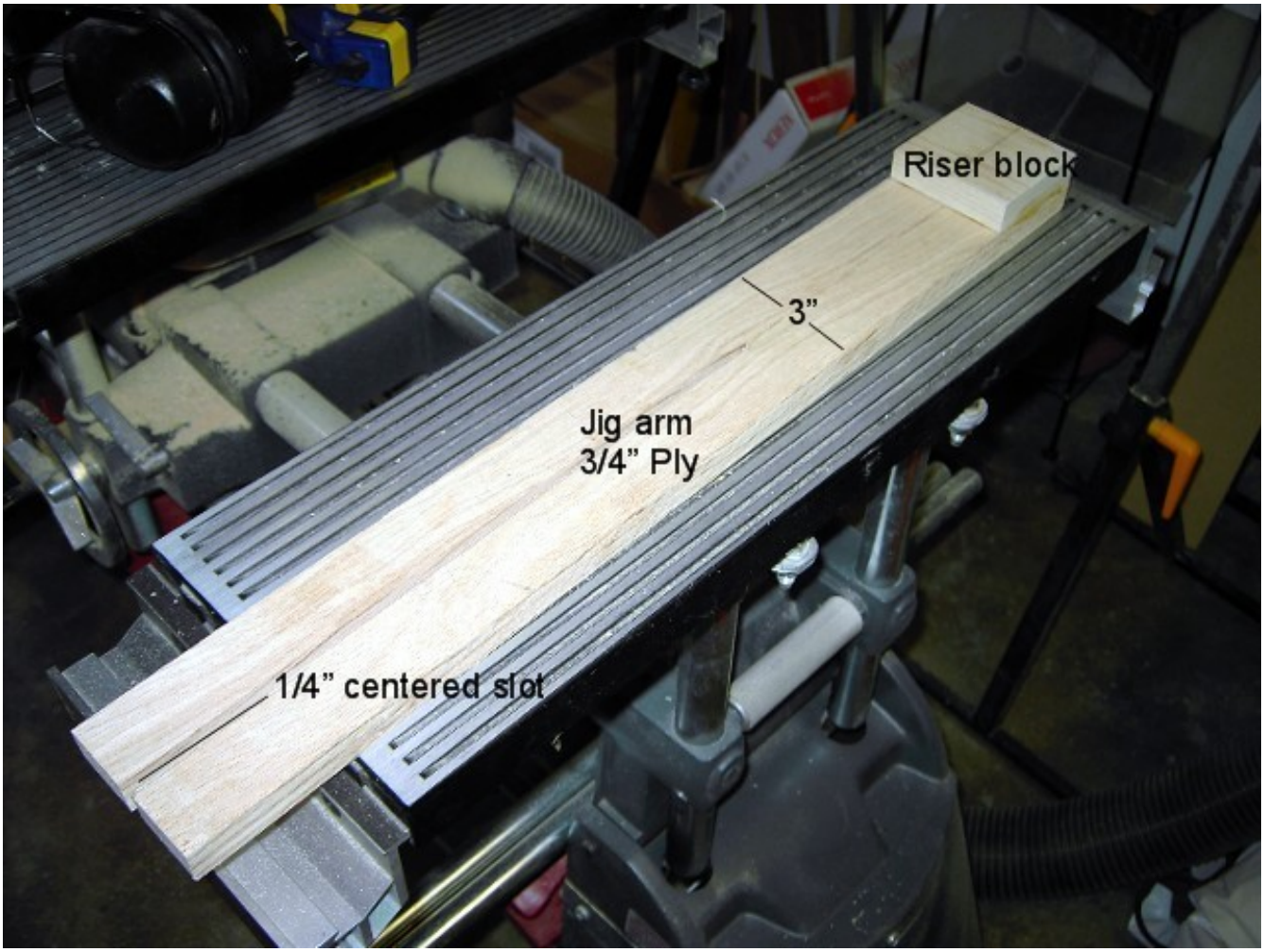
GRINDING JIG
FROM AROUNDTHEWOODS.COM

If you want to see videos of how the jig is used go to the web site : aroundthewoods.com. This is just my version of his jig. I take no credit for it and urge you to visit his web site.

I started the jig by mounting my grinder on a piece of 3/4" MDF (You could use Plywood if you like) that extended at least 5" on either side of the wheels. I then countersunk a T-nut in line with the wheel center.

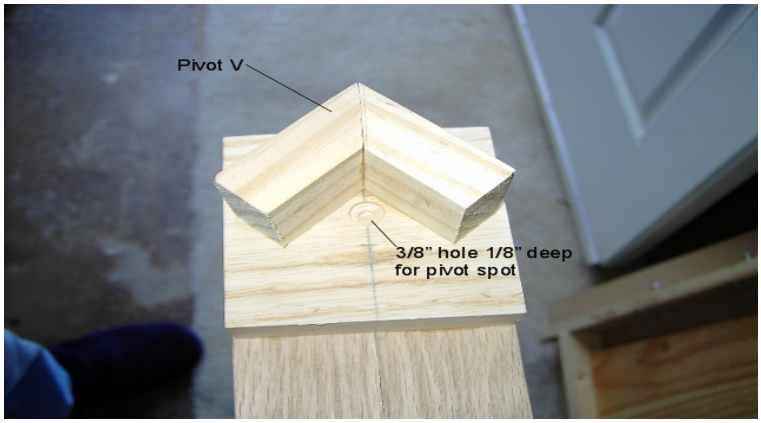


Next is the jig arm. Cut a piece of 3/4" plywood the length of the longest tool to be sharpened straight across + 6" and 3" wide. This will probably be a roughing gouge or bowl gouge. Cut a 1/4" centered slot on the jig arm (about 14" long).



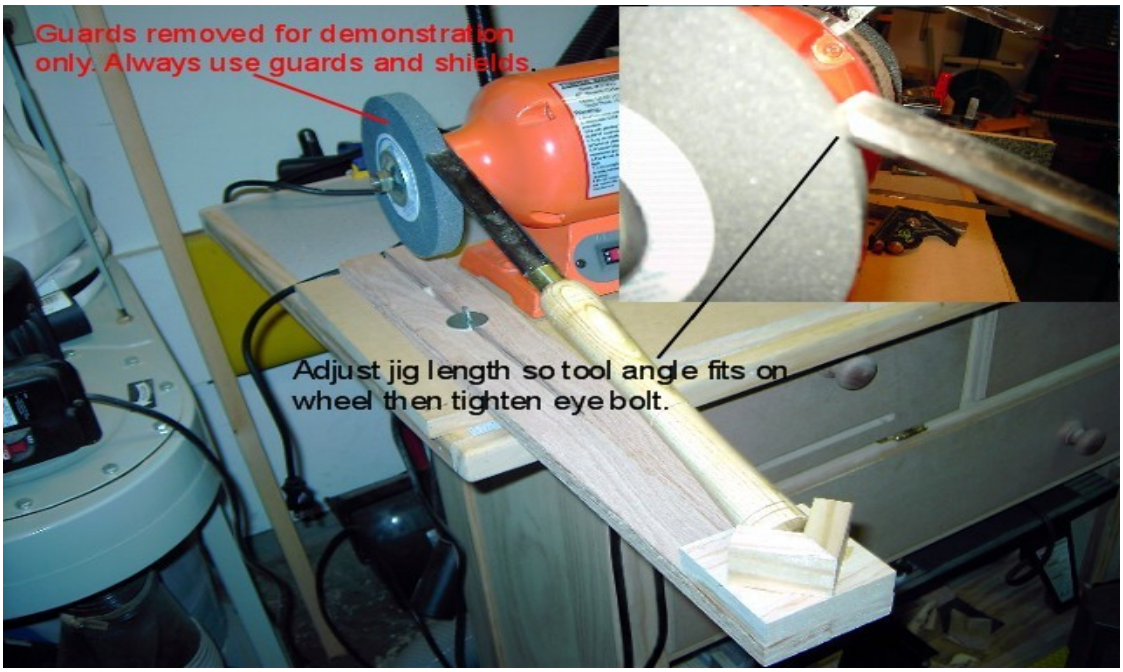
For the riser block, measure from the base of the platform to the center of the grinding wheel. Subtract 4”. In my case it is 5 1/2”- 4” or 1 1/2”. This is the thickness of the jig arm + riser block. In my case the riser block will be 3/4” thick. This is not a critical measurement. According to the web site give or take 1/4” probably won't hurt.

After mounting the riser block I attached two 3/4” high blocks at a 45* angle to make the pivot V. and drilled a 3/8” hole about 1/8” deep for a pivot spot for the holding block to be made next.

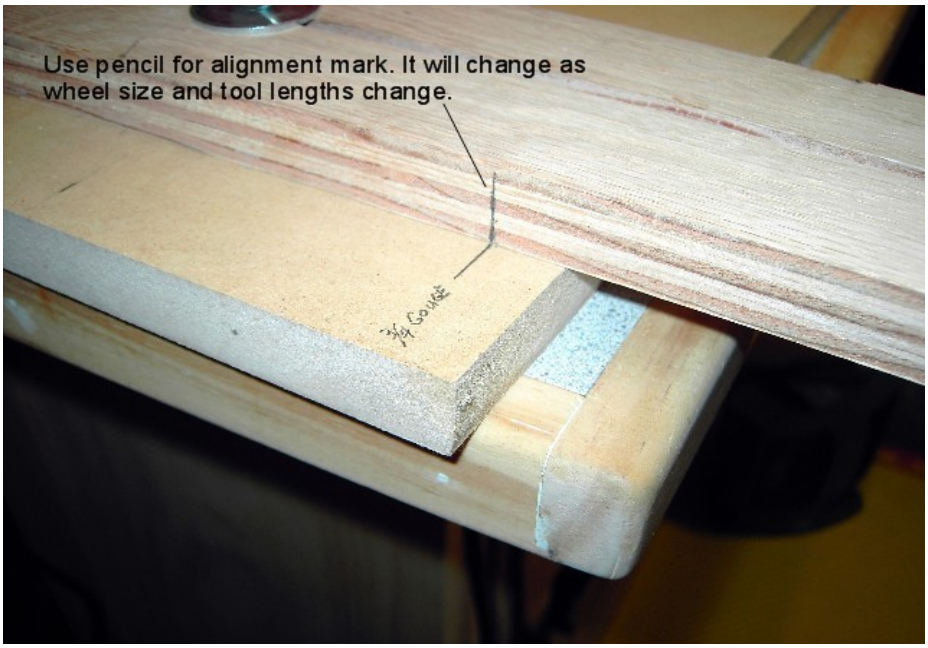


The jig arm is now ready to mount on the platform using a 1/4-20 eye bolt with a 1/4” fender washer for the fastener.

Place a tool handle into the pivot v and adjust the length of the jig so that the bevel on the tool aligns with the wheel surface and tighten down the eye bolt.

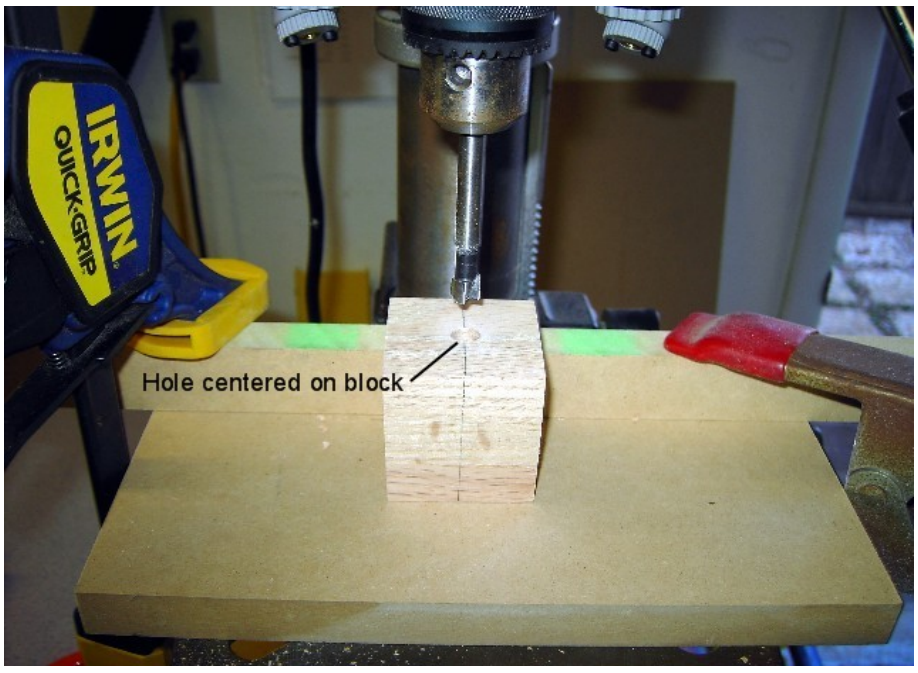


Make an alignment mark on the side of the jig and base and label it for which ever tool you are setting up. I would suggest using a pencil since the marks will have to be changed as the tool and grinding wheel wear down.

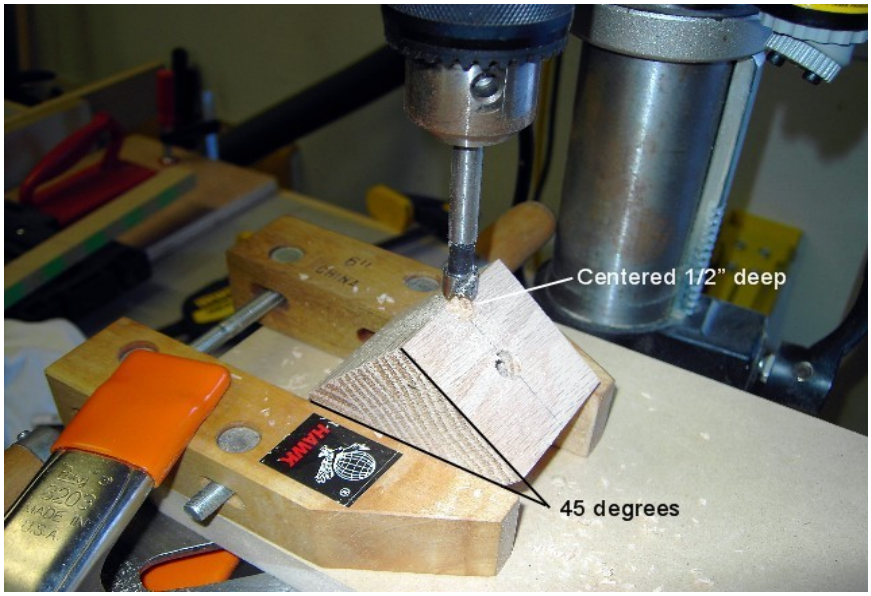


The Holding Block

To make a holding block you will need a 2”x2”x2” block of hard wood. I used oak because that is what I had handy. Start off by marking a line down the center of one face and down one adjacent side of the block. Then drill a centered hole through the face the size of the diameter of the tool you will be using the block to hold.



Using a drill press vice or a clamp arrangement hold the block in place to drill a 45° 5/16" or 3/8" hole 1/2" deep in the end of the block. In other words, 45° from the face and 135° from the edge. Cut a 7" piece of 5/16" or 3/8" dowel, whichever size you drilled the hole.



Glue it in place using medium CA. Cut the dowel to a projection of 5 1/4". For the eye bolt clamp screw you will need to drill a 7/32" hole about 1/2" back from the edge on the adjacent side. Drill through to the face hole.

Tap the hole with a 1/4-20 tap and screw in an eye bolt.

Insert a tool in the block, adjust the bevel, lock it down and you are ready to sharpen.

I didn't go into much detail on the adjustment and use of this jig. You can get all that on the web site (www.aroundthewoods.com) and I would suggest you do so. This guy has a lot of other stuff that might get your attention if you are a wood turner.

Thanks for looking,
George