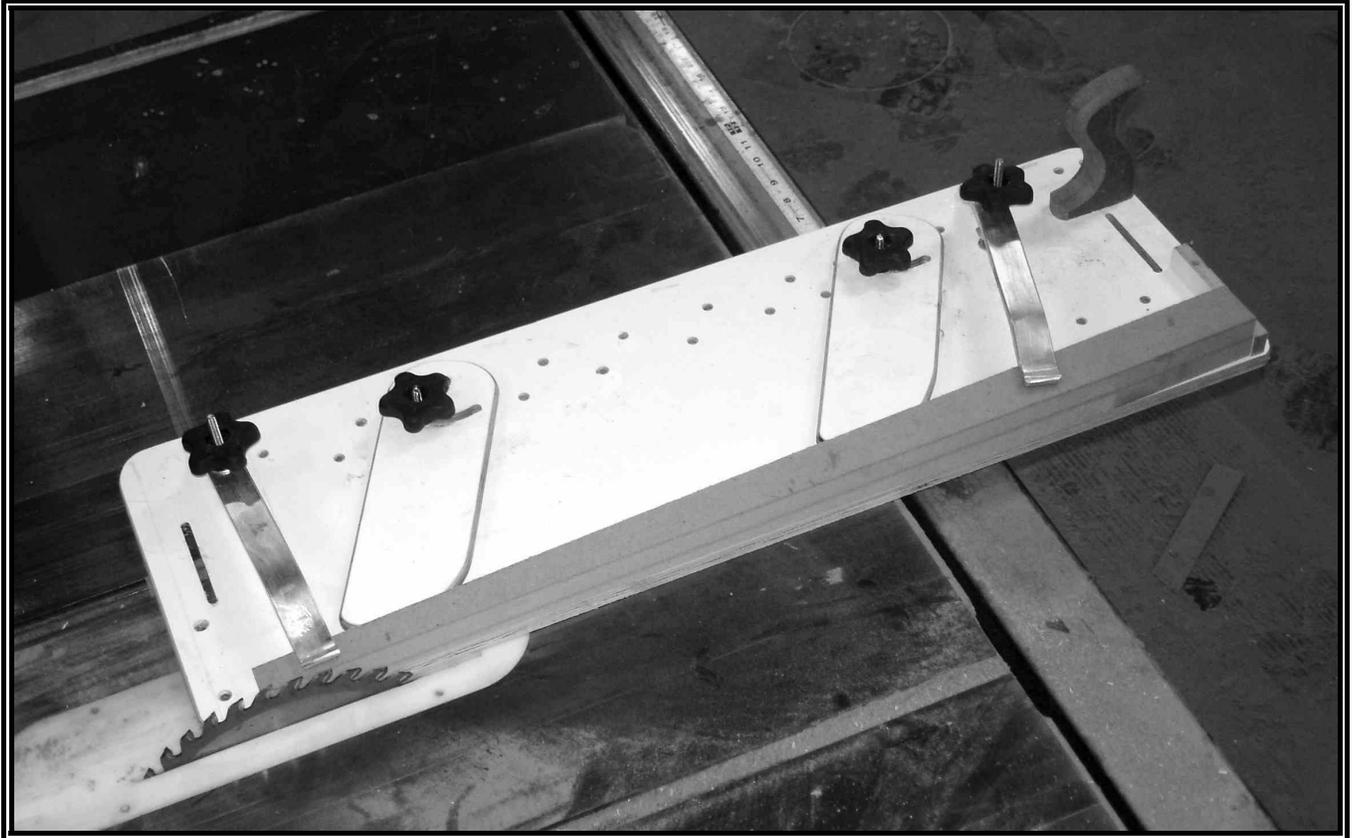


# Taper Jig

designed by Charles Neil

*Material List and Reference Manual for On-Line Video*



## IMPORTANT INFORMATION FOR PRINTING PATTERNS

The patterns are ACTUAL size. Make sure when printing that your printer is not set to "Scale Printing" or "Fit to Page." These settings may reduce the pattern.

## Material List

**Jig Platform** - (1) - 10 1/2" wide x 32" long x 1/2" thick

*We used pre-painted RTG Board used in sign making. We purchased scrap from a local sign shop.*

**Cams** - (2) - 3 1/4" wide x 10" long x 1/2" thick

*Again, we used the RTG Board*

(2) - 1/4"-20 x 3/4" flat head wood screws\*\*

(2) - 1/4"-20 x 2" carriage bolt\*\*

(2) - 1/4" flat washers\*\*

(2) - Thru-hole Knob with 1/4"-20 Thread

*We purchased our knobs from Woodpeckers, Inc. - Part # 13-KN115 <http://www.woodpeck.com/knobs.htm#545>*

**Stop Block** - (1) - 1" wide x 4 1/4" long x 1/2" thick

*Used scrap from RTG Board*

(2) - 1/4" dowel pins - 1/4" x 1"

*We purchased 1 1/2" long dowel pins from Woodcraft and trimmed them 1/4" - Part #50M11*

<http://www.woodcraft.com/family.aspx?familyid=1116>

**Handle** - (1) - 3" wide x 5" long x 7/8" thick

*We made from scrap composite deck material that was laying around the shop.*

(2) - #8 x 1 3/4" flat head wood screws\*\*

**Hold-Down** - (2) - 1" wide x 10" long x 1/4" thick aluminum\*\*

(2) - 1/4"-20 x 3 1/2" carriage bolt\*\*

(2) - 1/4" flat washers\*\*

(2) - 1/4"-20 wing nuts\*\*

(2) - Thru-hole Knob with 1/4"-20 Thread

*We purchased our knobs from Woodpeckers, Inc. - Part # 13-KN115 <http://www.woodpeck.com/knobs.htm#545>*

**Miter Slide Bar** - This can be made from a hardwood scrap or you can purchase a bar designed for making jigs such as the Kreg Jig and Fixture Bar as seen in the video. If you make your own, you will also need some #6x5/8" flat head wood screws to attach to the platform.

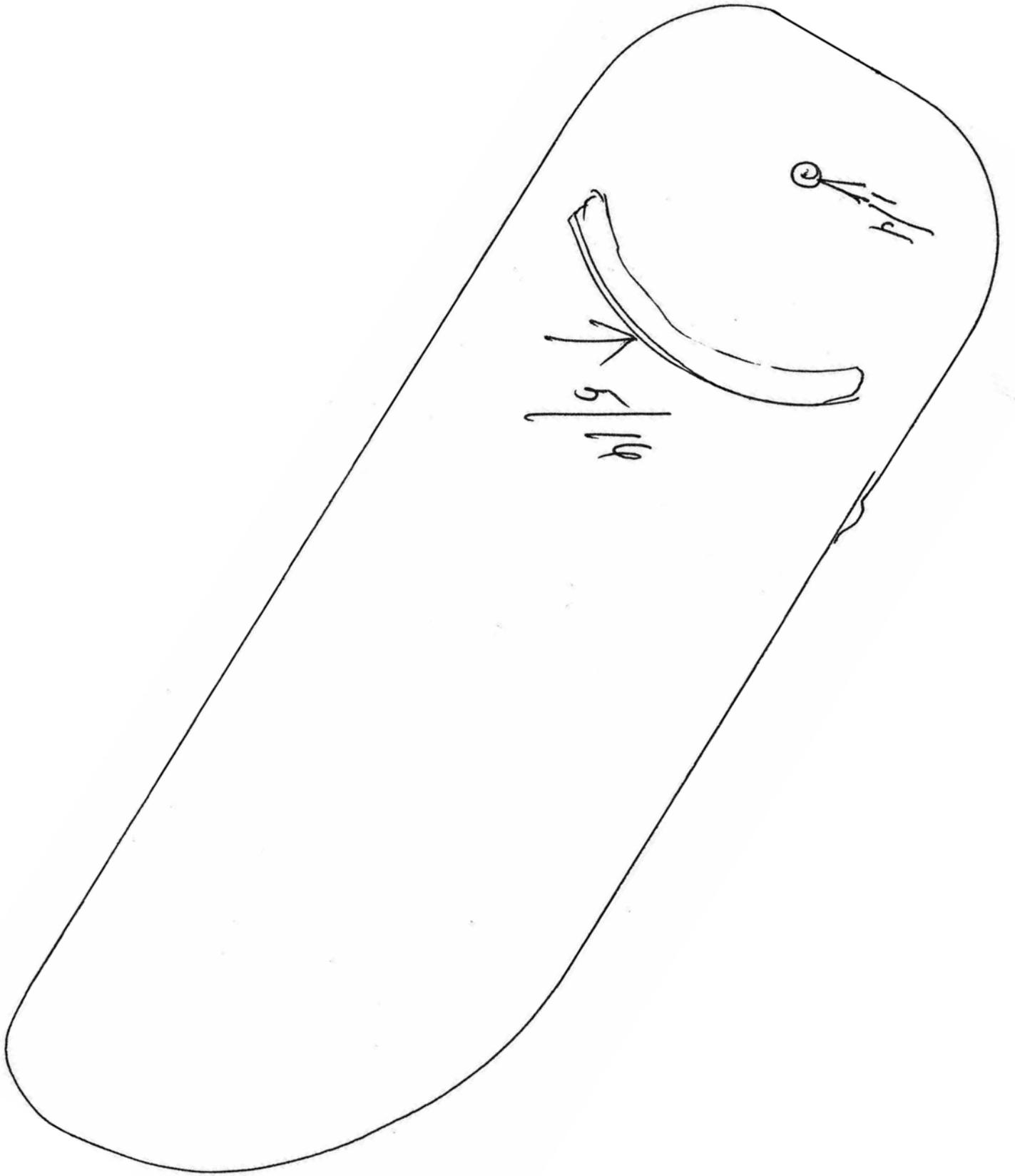
*We purchased the fixture bar from Woodcraft - Part #145830 <http://www.woodcraft.com/family.aspx?familyid=5143>*

*\*\*Items were purchased at a local hardware store.*

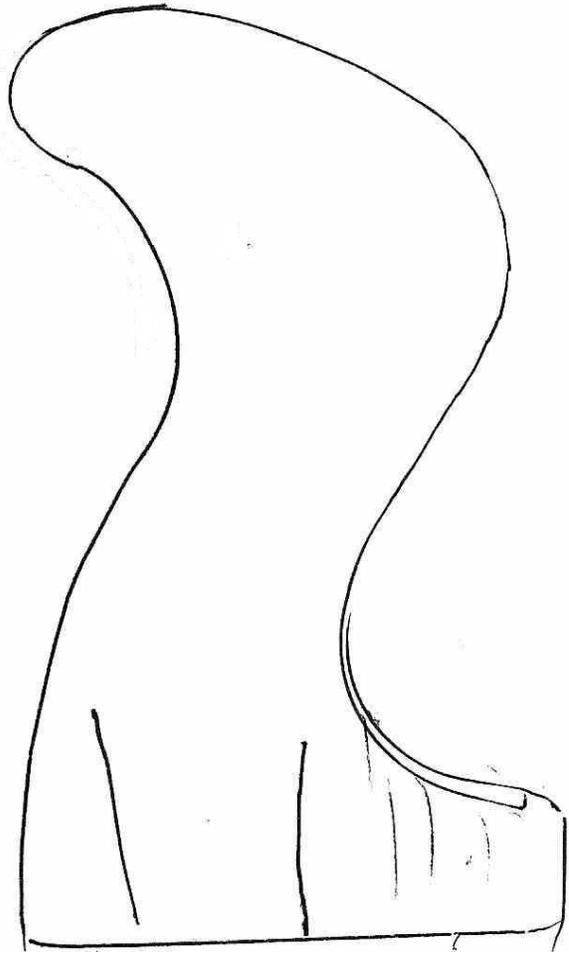
Router Bits Used: These are standard router bits that you may or may not have, if not, here is the link and part numbers for the bits used in this video. <http://www.eagleamerica.com>

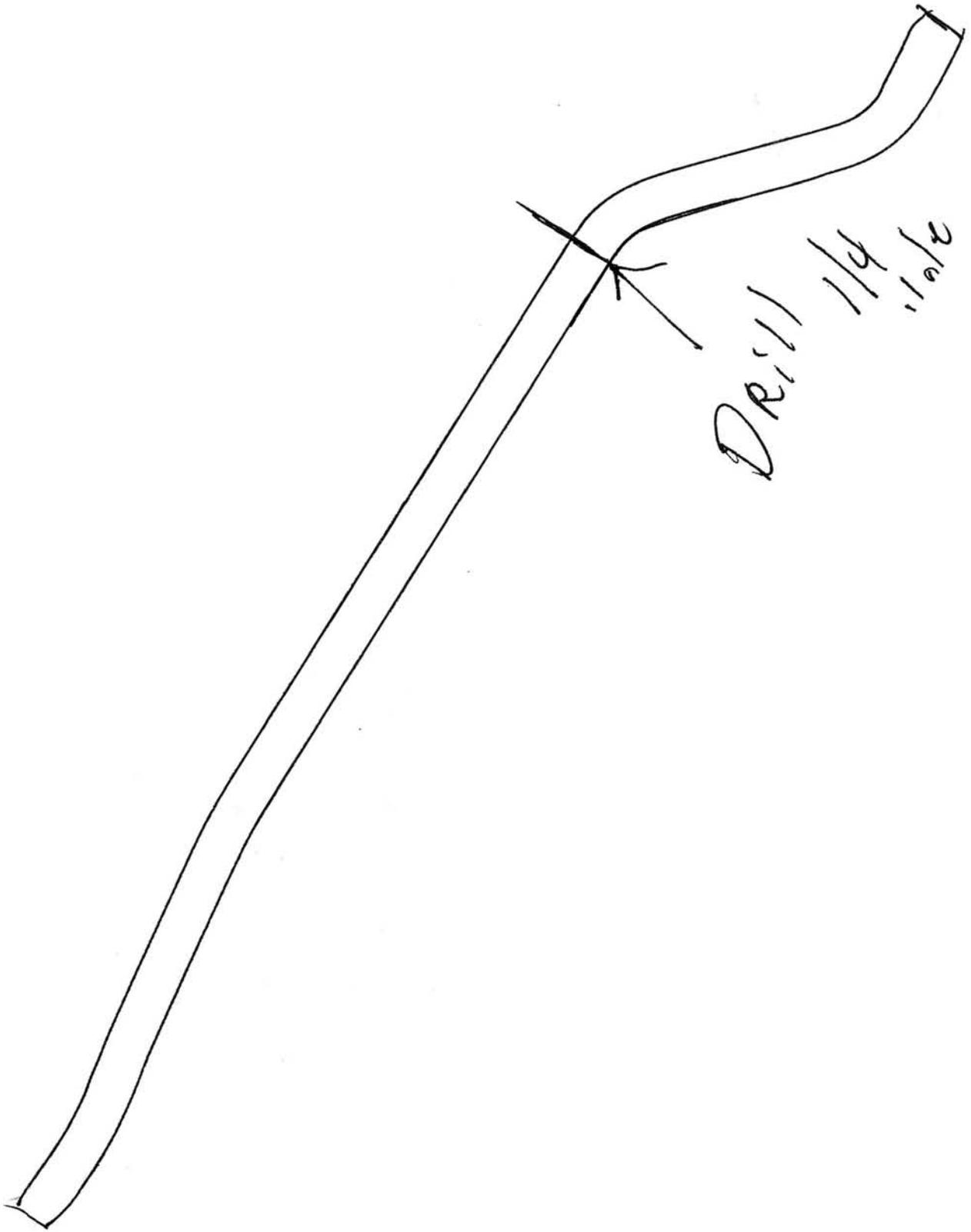
1/4 round-over bit - Eagle America - Part #156-0405

5/16" Spiral Down-cut Bit - Eagle America - Part #106-0555

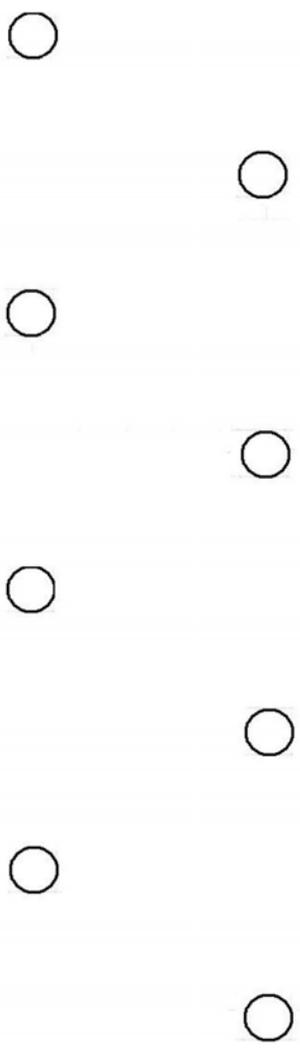
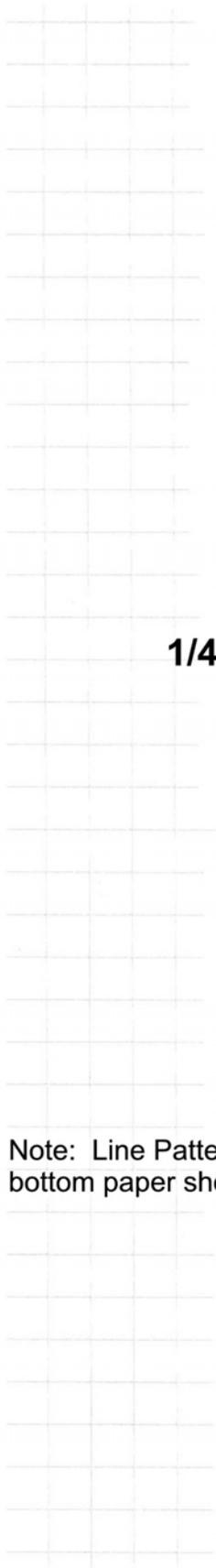


Handle





DRILL  
1/4  
1/2



**1/4" Holes**

**Right  
Side  
Platform**

Note: Line Pattern with Right side of Platform and bottom paper should be placed at end of platform

**Handle**



## SAFETY RULES

Just a few safety reminders for safe use of the jig.

1. **ALWAYS** wear eye protection.
2. **MAKE CERTAIN** workpiece is securely clamped in place and all locking handles are properly tightened before using.
3. **UNPLUG** saw when adjusting jig to blade. **MAKE SURE** machine power is off and blade is stopped before attempting adjustments to jig or workpiece.
4. **KEEP** hand on operating handle provided when processing work material.
5. **MAKE SURE CAMS AND HOLD-DOWNS** are not in the path of the blade.
6. **KEEP WORK AREA CLEAN.** Cluttered areas and benches invite accidents.
7. **DON'T FORCE TOOL.** It will do the job better and be safer at the rate for which it was designed.
8. **USE RIGHT TOOL.** Don't force tool or attachment to do a job for which it was not designed.
9. **WEAR PROPER APPAREL.** No loose clothing, gloves, neckties, rings, bracelets, or other jewelry to get caught in moving parts. Nonslip footwear is recommended. Wear protective hair covering to contain long hair.
10. **ALWAYS USE SAFETY GLASSES.** Wear safety glasses. Everyday eyeglasses only have impact resistant lenses; they aren't safety glasses. Also use face or dust mask when cutting.
11. **DON'T OVERREACH.** Keep proper footing and balance at all times.
12. **CAUTION** - Over tightening cams and hold-owns could cause bolts to pull through jig platform.