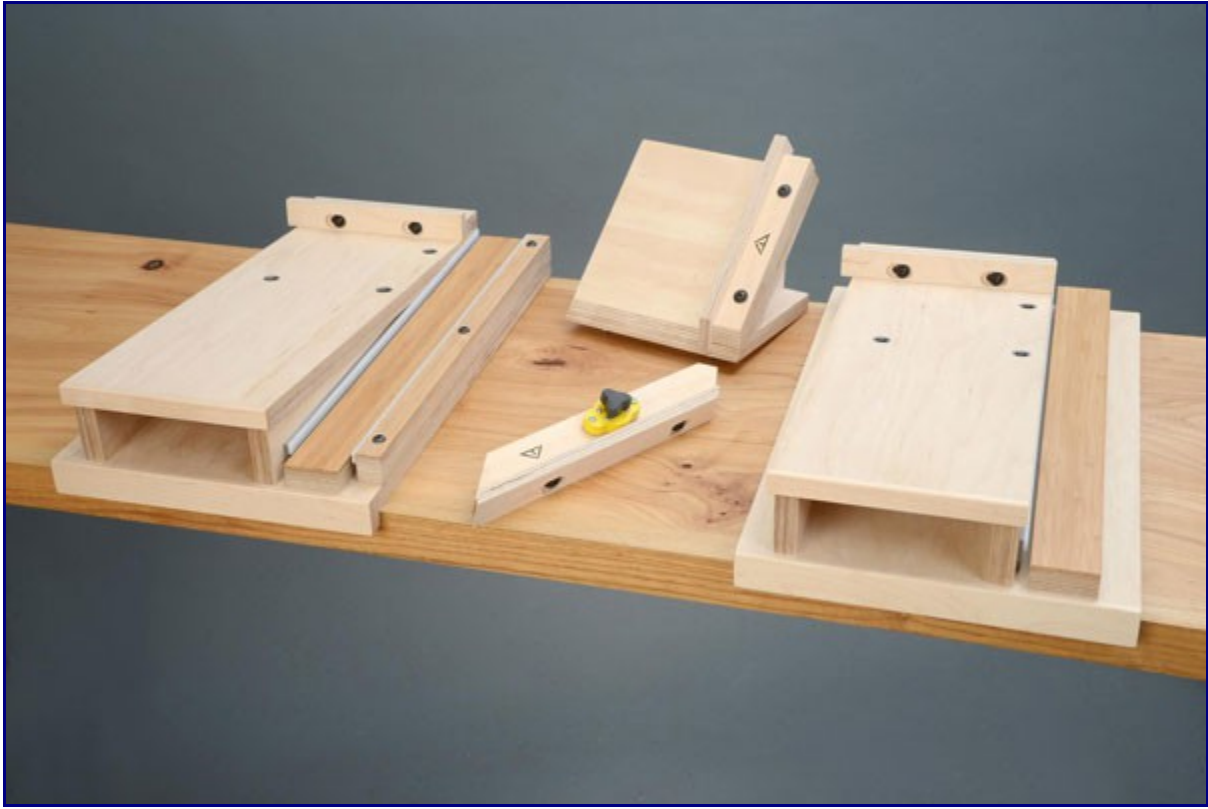


Shooting Board



The Vogt Shooting Board is a high quality **ramped** shooting board, particularly suited for precision planing of end grain. The ramp introduces a **skewed cutting action** and also **spreads the wear over a greater distance of the cutting edge**. The boards are made from Europly veneered in Maple, with solid 1/4" thick Maple on the top front edge and a 3/4" cleat on the base. It features a Runway surface of 1/8" thick sealed and waxed Bamboo that the side of the plane travels on, and a bearing strip of extruded acetal which the lower 3/16" of the plane sole bears against.



The acetal is bonded to a tool steel plate which is screwed to the side wall.



Unlike traditional shooting boards, the sole and plane iron are deliberately set slightly away from the side of the board. The sliding fences can be easily adjusted to meet exactly the cutting edge of the iron to support the fibers of the workpiece.



If the end of the sliding fence gets planed out of square it can be removed and quickly trued. There is plenty of extra travel.

The 90 Degree Fence, the Miter Fence, and the Donkey Ear Fence all consist of $\frac{3}{4}$ " fixed fences and $\frac{1}{2}$ " sliding "sacrificial" fences that are adjusted by hex key.



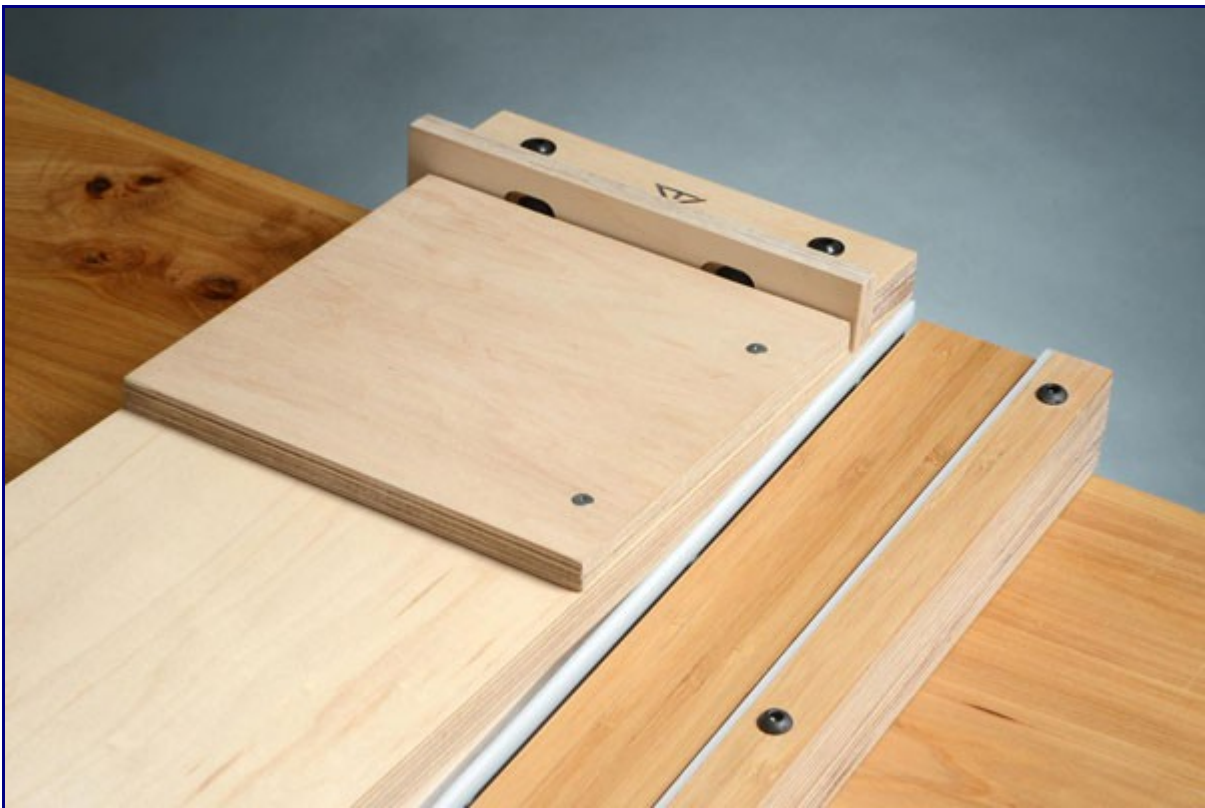
The **Miter Fence** and optional **Donkey Ear** (for shooting carcass miters) attach to the board with steel locating diamond pins in steel liners. This easy on and off arrangement allows you to go back and forth between functions in no time at all. They both further lock down with the turn of the Magjig™.



For Stanley No. 51 type planes the optional **Parallel Guide Strip** creates the captured track they require. It is adjustable and holds down with cap screws in threaded inserts.



The optional **Auxiliary Jig Platform**, made of ½" thick Europly, locates positively and repeatedly with diamond pins in the same bushings used by the Donkey Ear.



It can be the base for shooting angles other than 90° and 45°, such as 22.5° and 30°.





Owners of the Vogt Shooting Board can make their own bases from scrap plywood using wooden dowels in place of the steel pins.



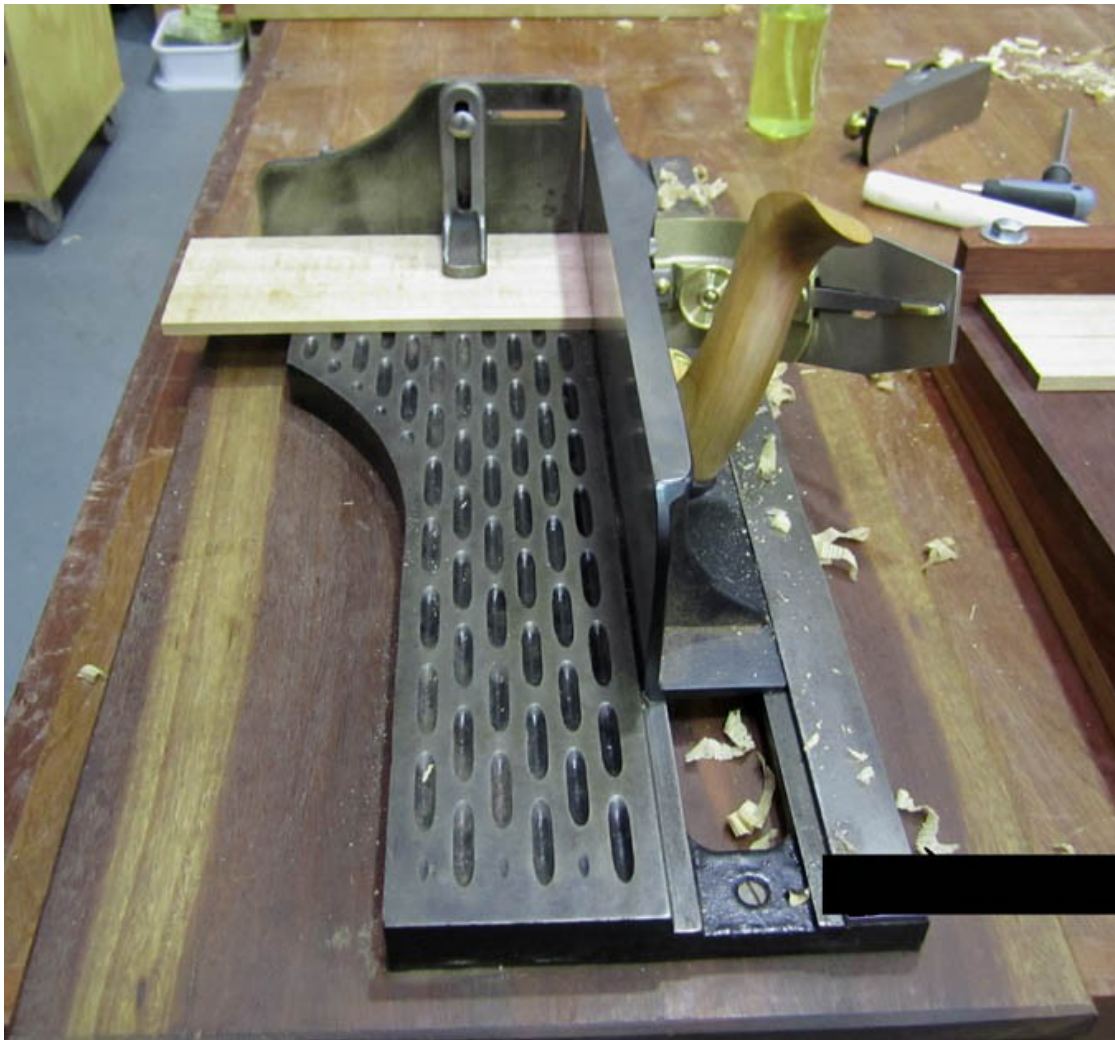
Running Fence for the Shooting Board

The details of this article are a partial repeat of another, but here focus on the running fence I built for my ramped shooting board. Note that this project is appropriate for any shopmade shooting board. The running fence prevents any lateral movement of the shooting plane, and this increases control. Attention can now be given 100% to controlling the feed of the work piece.

The mod adds a rail, ala the Stanley #52, to prevent the plane moving away from the edge of the work piece. Shooting square edge is fairly straight forward since the main fence shares the impact and braces the work piece. However anything that is not square – such mitres and bevels, where any inaccuracy shows up as a gap in adjoining corners – creates difficulties in holding the work. It is a further complication when the plane moves away from the workpiece.

The idea is borrowed from the Stanley #52 Shooting Board. Here it is set up with

the LN #51 Shooting Plane – look at the rail on the right side of the plane ...





So this is my version ...

Set up with the LN #51:



Set up with the LV LAJ and hotdog handle:





It is adjustable ..

Used with a Donkey's Ear ...



A few details about the Donkey's Ear ...

Note that the fence has non-slip (salt sprinkled over varnish).

Dovetailed support at rear (for fun), and secured to the main fence with a bolt.

The fence has micro-adjustability, the board has levelling feet underneath, so the Donkey's Ear is adjustable in 3 dimensions.



In use ..



I deliberately did this the long way as I was enjoying shooting the mitres. Generally I first saw the mitre with a mitre box, then fine tune it on the Donkey's Ear.



So how does the running fence perform? In a word, *total control*. OK, that's two words ☹. Make one – it will revolutionise your shooting!