

# Multi-Use sled

[www.askbud4computerlessons.com](http://www.askbud4computerlessons.com)

As with most CW/CC owners, I have a sled or two. We do this for a variety of reasons. First, it saves on the amount of stock we need. Second, not all the stock is going to have perfect edges to track on the rollers. There are a slew of other reasons that we might mention if we had the time. I'm just going to whet your appetite with one of my sleds.



In figure "A", above, you see a fairly wide (High) sled that is about 48" long and it has  $\frac{3}{4}$  rails. My project will use a  $\frac{3}{4}$  walnut board smaller than the inside of the rails. As a result, I have cut some holding blocks (one of which, is on top of the walnut so you may see the design). I made a pocket to both center the walnut along the length and notched it to hold the board in the center of the width.



In figure "A-1", you see holes drilled and countersunk in the holders. These are to keep the project from moving. With the depth of my intended carve project, I would rather use screws to hold everything in place rather than tape.



Figure "A-2" is a close-up of the rail, on the Keyboard side. You can see that I have indexed the center of the sled at ZERO "0", and placed a mark at every inch. The "Odd" part is that I did not label the marks as you would think. I went out from the Zero and labeled each subsequent inch mark with 2,4,6,etc. I did this so I may rapidly center my board, and know it will work for my project (an 8" board will line up with the 8" marks).

**Now, let's turn the sled over:**



Figure "B" shows rails 3/8" thick, and you see a set contour of two different widths.

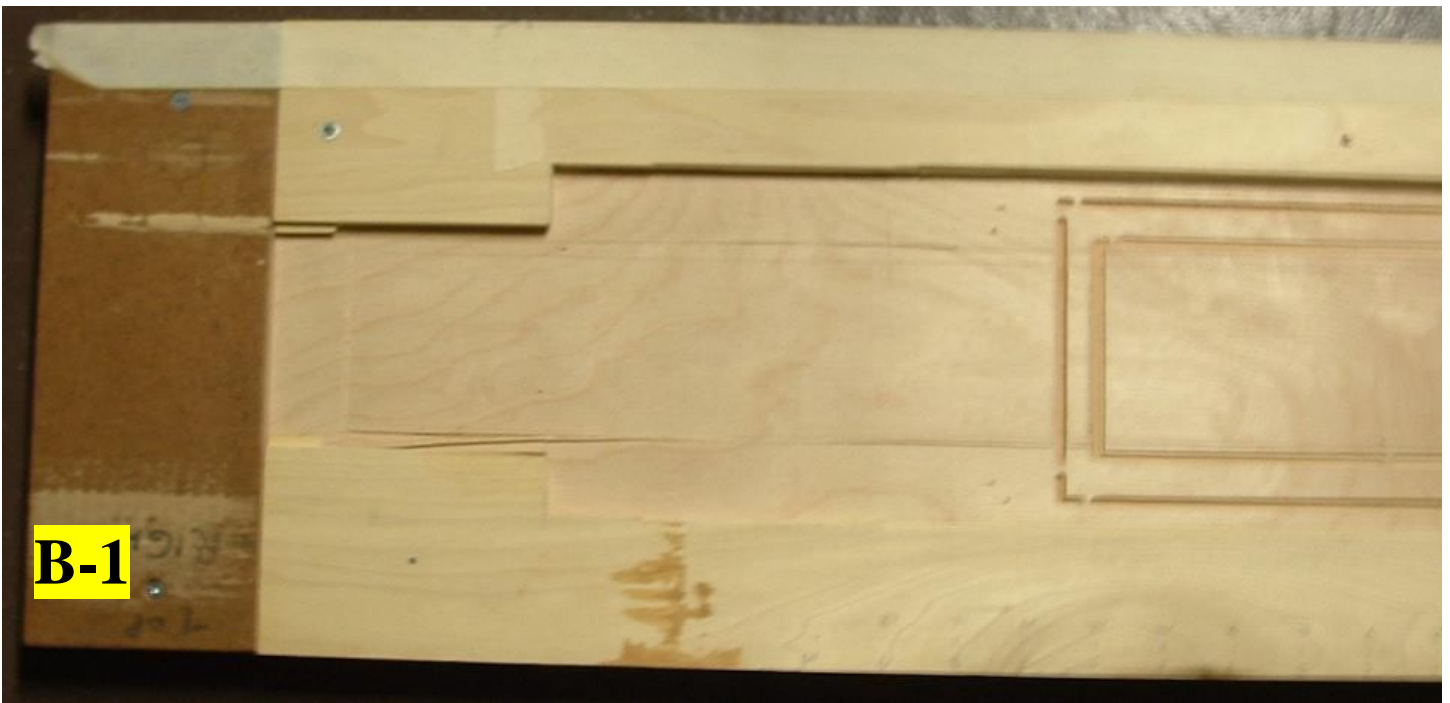


Figure "B-1" is a close-up so you may see the contour (step) better. I have some sighth stock that is 3/8" thick and either 3 or 5" wide. As you see, some of my cut-outs have gone deeper than my project board.

In closing, I will say that there are all sorts of sled and rail designs which are used for various reasons (or choice). I have an AVI Video about one I use for 2 sided carving of 1 1/2" stock.

It may be viewed here: <http://www2.wcoil.com/~nharbison/CW-2%20Sided%20Cow.zip>