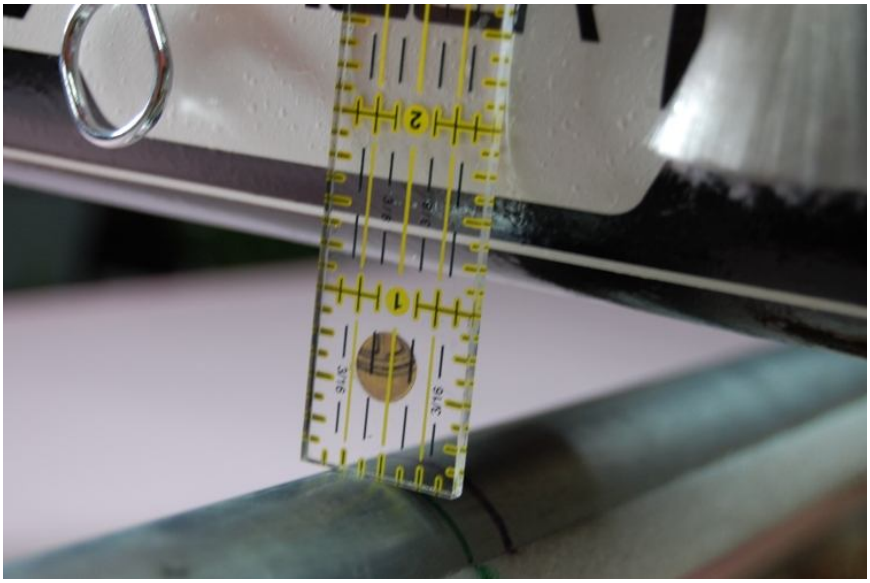
DEAD BAR INSTRUCTIONS

The brackets I used are from Lowes... they were about $2 a bag and are nothing more than closet brackets (called closet rod sockets on the bag)...

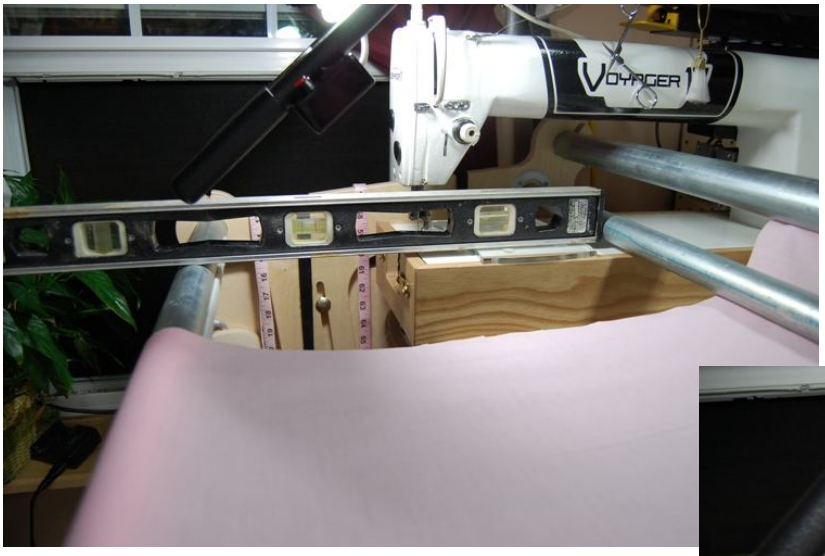
The main thing is to make sure where ever you put the bracket on one end, it's exactly the same as on the other end so your bar sits level and even, front to back...

First off, raise the take-up roller up to the 7-1/2 mark on the ends of the frame (you know those little dash marks they have in the wood)... By 7-1/2, I mean 7 BIG marks and 1 small one... It's like a ruler; the bigger dash marks are inches and the smaller ones are 1/2 inches... so 7-1/2 inches.. :) Do this to both sides.... At this point, the top of the take-up roller should be about 1-1/4" to 1-1/2" below the underneath of the arm of the machine... Roll the machine all the way across the frame checking it every few feet to make sure it's even all the way down and adjust your arms as needed....



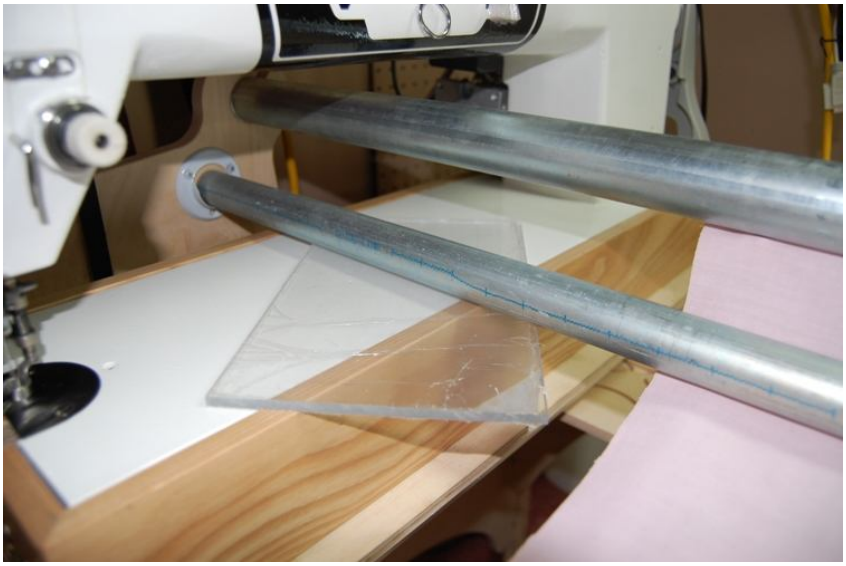
Once you have that all even, move the BELLY bar down to almost the 5th mark (big marks)... That should put the top of the belly bar at about 1/4" above the machine bed...

I laid a 1/4" ruler/template on my machine bed and then laid my level across the belly bar and on top of that 1/4" ruler... then moved my belly bar up or down till the level showed level...



Now, the fun part... the dead bar... first off, the dead bar is ½" thick-walled conduit…. If you get ½" inside diameter conduit, make sure it's thick-walled!!! If it's not, it'll sag bad!! Cut the dead bar to exactly the length from the INSIDE of one arm to the INSIDE of the other arm... Curt just held mine with one end against the inside of the arm while I marked with a pen on the conduit where it met the inside of the other arm... then he used a handheld hacksaw and cut it off by hand... easy enough....

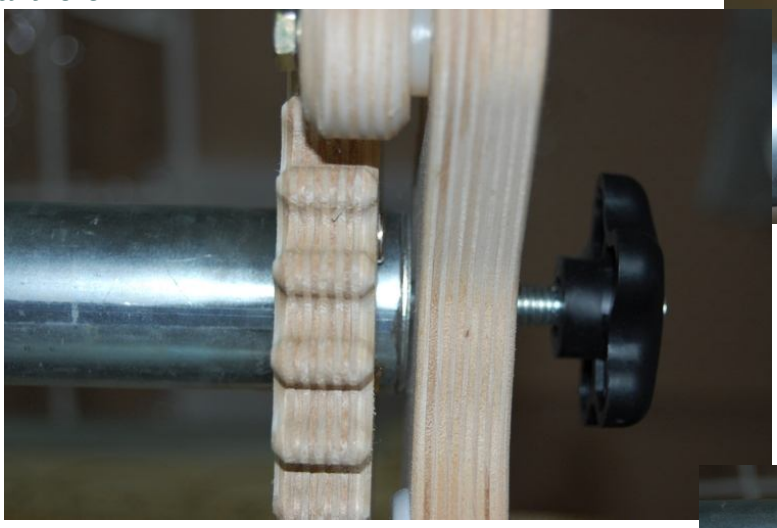
Now, lay 2 pieces of 1/4" plexi-glass on the bed of the machine stacked up on top of each other.... (only showing 1 piece in the picture… make sure you use something that is ½" thick total).



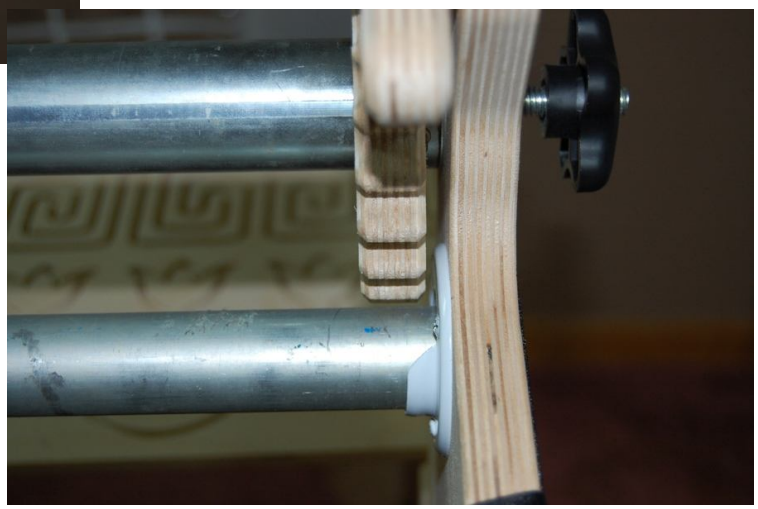
Move the machine to the center of the frame... Lay the dead bar across the templates while attaching the closet brackets to keep the dead bar even all the way across. (Once you have the brackets attached, conduit on, and move the 2 pieces of plexi-glass out of the way. The little bit of sagging it did do was only about 1/4", so that left the bar 1/4" above the machine bed :)

Slide the brackets on the bar and lay the bar through the machine and on top of something that is 1/2" high... (like I said, I used 2 pieces of plexi-glass on top of each other) Two ¼-inch thick longarm templates/rulers would work.....

One of the closet brackets goes halfway up under the cogwheel... because the rim only goes halfway around the circle, it'll fit right up under the cog wheel, but I did have to loosen my cog wheel and slide it in about 1/8"... it'll still hit the ratchet if you move it in a smidge so no big deal there...



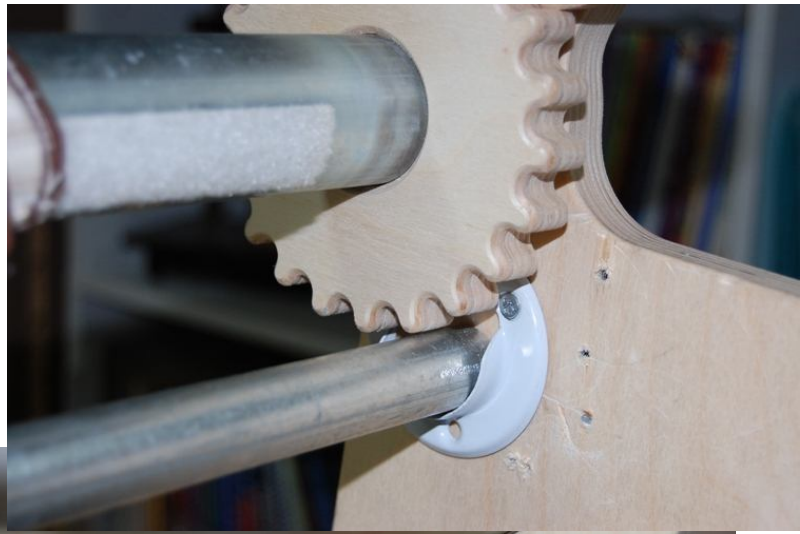
Once you have it laying across the machine bed with the brackets on the bar, slide the bracket that will go under the cog wheel back against the arm of the frame so you can see where it will be.... move the dead bar back towards the underneath of the take-up roller until the bracket is up under the cog wheel, but make sure you don't go back in too much cause your cog wheel will hit the pole and not turn... Mine is VERY close to the cog wheel but the wheel can still be turned... You can see how close in this picture →



If you use ½” thick-walled conduit, your dead bar will be almost totally under the takeup roller…. If you used 1” regular conduit it will be about 1/2" or so out from the front of the take-up roller.. it has to sit a little bit in front of the take-up roller or the cog wheel will hit the dead bar... So don't expect the dead bar to be UNDER the take-up roller... it sits below but in front of the take-up roller a bit... there will be about a 1/2" gap or so between the two bars when looking down on them...

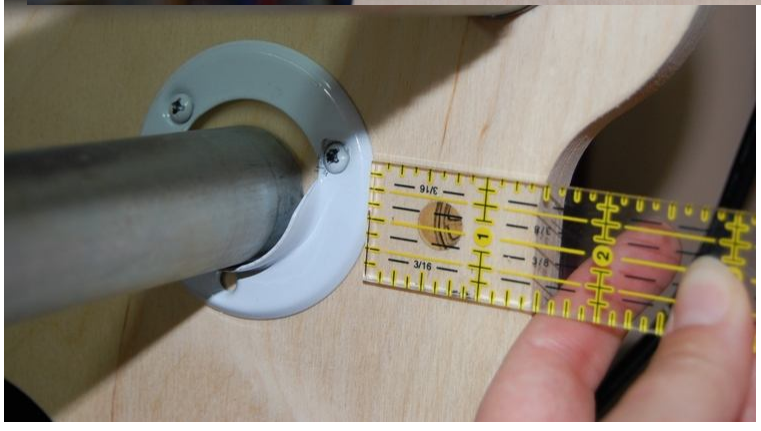
I really recommend using thick-walled ½” conduit!!! I tried both and this is the best option!!!

Once you have your bar back as far as you can without it hitting the cogwheel, screw that bracket down with at least 2 screws so it doesn't move... You might have to have someone lift the take-up roller out of its slot to get a screwdriver in there... Measure how far in the edge of the bracket is from the back of the arm...



It’s important that you do the side with the cogwheel first!!!

Now go to the other side to screw in that bracket... but put a level on the dead bar before you screw it in so make sure it's level.... measure from the backend of the other arm so your brackets are the same distance in from the back edge of the arm... now check for level again and screw it in....



All Done!!! :)

It sounds a TON more difficult than it is... It really was simple, but you do need help doing it :) The main thing is keeping everything level and even!!!