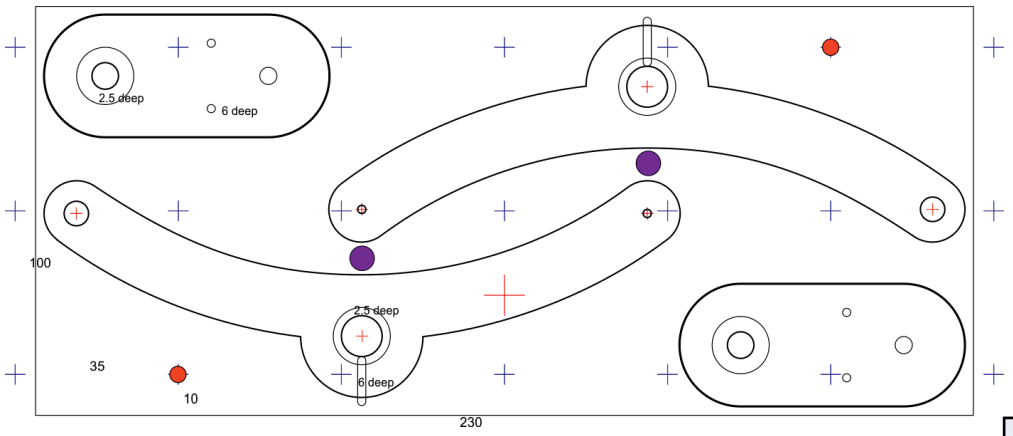
13th Sept

Now I have the Latch & Finger made it seems sensible to make the carrier for both. I'll also do the lathe work needed for the various fittings.

When looking to position the [11 - Latch & Finger Support] ready to create the .DXF file I looked at ways to minimize waste and fitting two over-arching each other looked like the best I could achieve within the constraints of the Walnut that I have - max 100mm wide - but there was still a large space that might go to waste. Looking through the drawings it became clear that there would be space to get two [12 - Rear Support Plate] on the 100 x 230mm blank as well:



Red dots show where the clamping screws will be.

Purple dots prove that a 6mm cutter will clear the second component.

The 2.5 & 6 deep are just an aide-memoire to help when creating the G-Code.

16th Sept

Had a couple of days learning about the potential problems associated with transferring drawings from ColerDRAW! into CamBam but I have at least machined components 11 & 12 - not without incident since I had a nasty moment when I had miss-judged the effect of the cut being taken increased due to a tapered blank. The upshot was that a 50mm dia. 'Fly cutter' dug itself deep into the blank and ultimately disintegrated bending a 3mm solid carbide tool-bit !! The cutter is repaired and back in use!

The next component will be the brass bush and screw which fixes the Latch/Finger support (Beat Assembly) in position, though there needs to be a recess in the front for the bush. I now need to order the Bearings since they need to be on hand ready to be fitted to the frame.

17th Sept

The beat assembly is now coming together, shown with some of the metalwork items. I'm now working on some of the parts which are needed to make sure this assembly is fully operational. One of which is a pair of M3 Grub Screws which had to be machined to a 40° sharp point. This point was polished to 400 grit and the matching 'dimples' drilled with a 90° C/Snk 1mm deep.