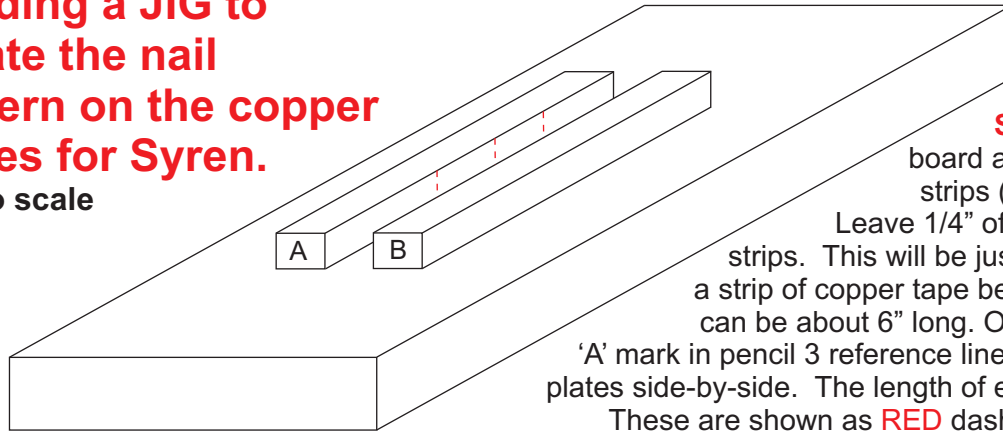


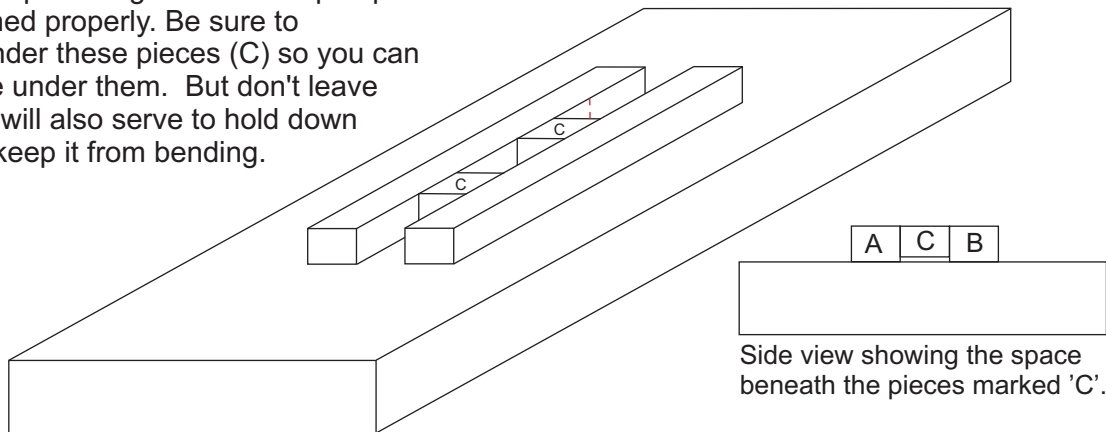
# Instructions for building a JIG to create the nail pattern on the copper plates for Syren.

Not to scale



**Step One** - Take a scrap board and glue two  $\frac{3}{16}$ " x  $\frac{1}{4}$ " strips (A & B) down the center. Leave  $\frac{1}{4}$ " of space between the two strips. This will be just enough space to slide a strip of copper tape between them. The strips can be about 6" long. On the inside side of strip 'A' mark in pencil 3 reference lines to indicate two copper plates side-by-side. The length of each plate will be  $\frac{11}{16}$ ". These are shown as RED dashed lines in the drawing.

**Step Two** - Place two smaller pieces of wood  $\frac{1}{4}$ " wide (C) between the two other strips. They should form an opening which is the exact dimension of the first plate as marked earlier. The third red line should still be visible as it will act as a guide when you slide your copper tape through the channel. It is where you will line up the edge of the stamped plate so the next one will be aligned properly. Be sure to leave ample room under these pieces (C) so you can slide the copper tape under them. But don't leave too big a space as it will also serve to hold down your copper tape to keep it from bending.



Side view showing the space beneath the pieces marked 'C'.

**Step Three** - Once the initial opening for stamp is completed, you can build it up several layers higher to make the "WELL" deeper. Use more  $\frac{1}{4}$ " x  $\frac{3}{16}$ " strips and stack them up like Lincoln logs. Keep the opening of the "WELL" consistent. Two layers should be sufficient. The opening should not be too tight that the stamp will not slide into it easily. But it shouldn't be very loose either.

