

The 2mm Scale Association. Annual Model
Competition 2021

Other Items

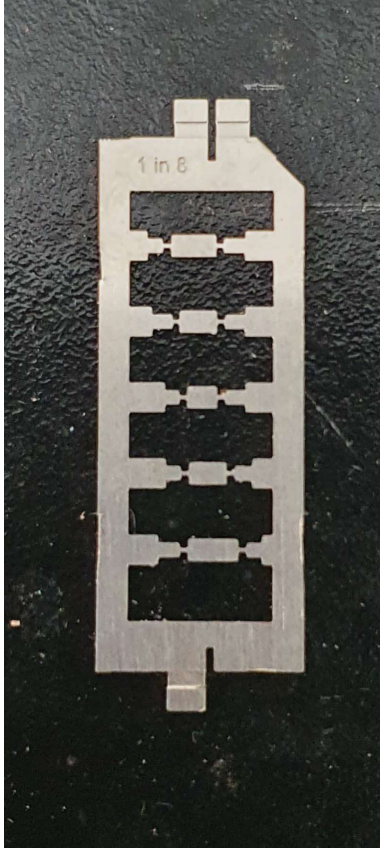
The following pages show the entries in the “Other Items” category of the 2021 model competition. Voting takes place online, and all members will be emailed voting instructions and a unique voting ID.

To make your choice, look through the pages, and select your choice of best entry, note its number (eg. O 3) and select that choice on the online voting form.

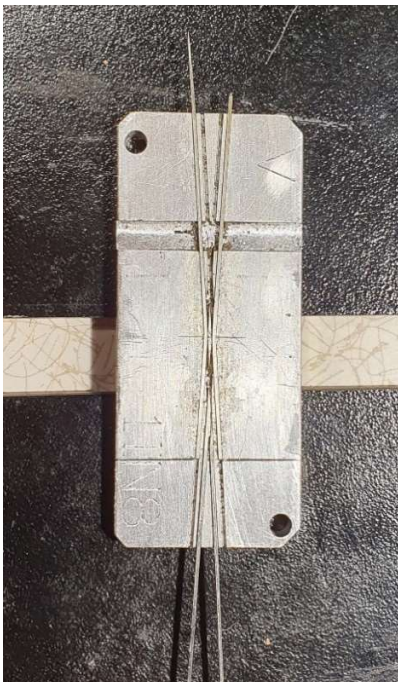
Photograph copyright is held by the individual entrants to the competition.

O7. Crossing Nose chair etch.

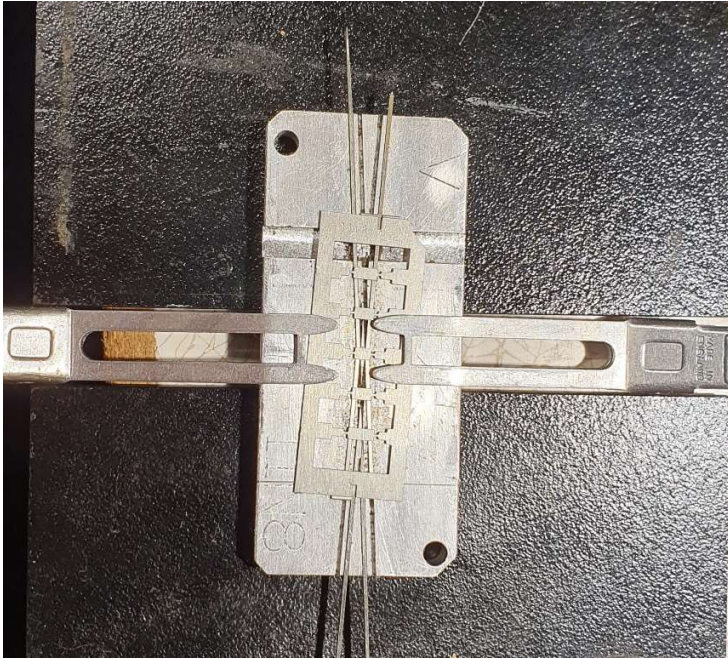
Etch for use with the crossing nose jig designed to complement the etch track chair elements developed by Laurie Adams. I have also developed a similar etch for the K crossings on diamonds etc.



Etch ready for use. The half etches allow the little tabs to be folded under to act as location, making use of the fact that the top of the rail sits 5 thou above the jig.



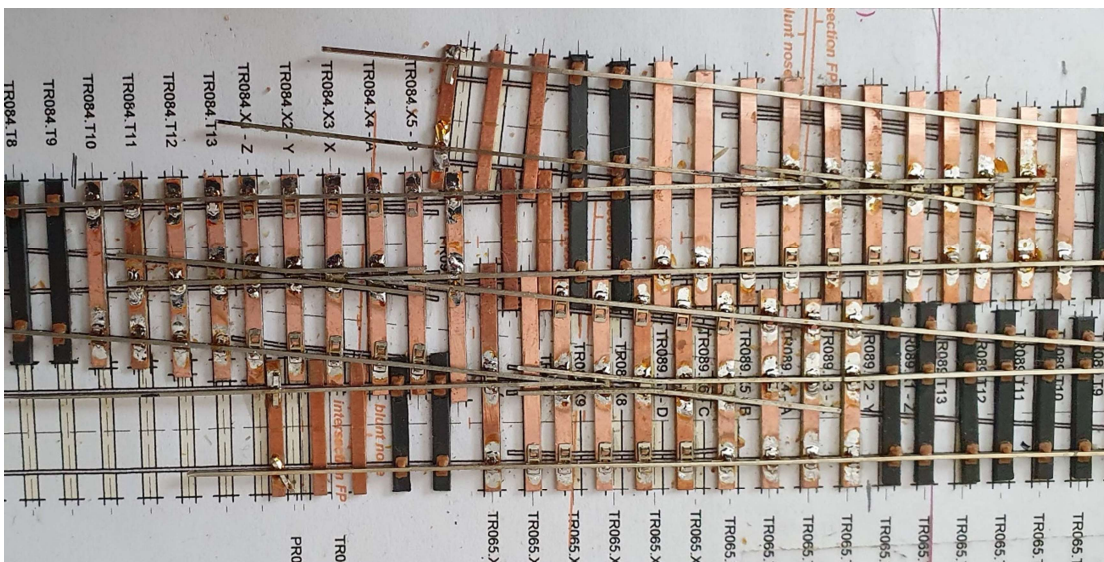
Crossing nose bits in jig ready for joining. The black line at the bottom is my addition to mark ends of the wing rails.



Here's the etch positioned on the jig showing how it's located using slots and the folded under tabs. There's sufficient location to hold the etch in place but I add a couple of clamps to keep things in place. Once soldered in place a sharp blade is used to cut through the thin tabs that attach the individual chairs to the frame



Completed crossing nose cruelly enlarged. Once lined up I use a 0.5mm solder ball and a dab of Rosin at each end of the plates to secure the assembly in place



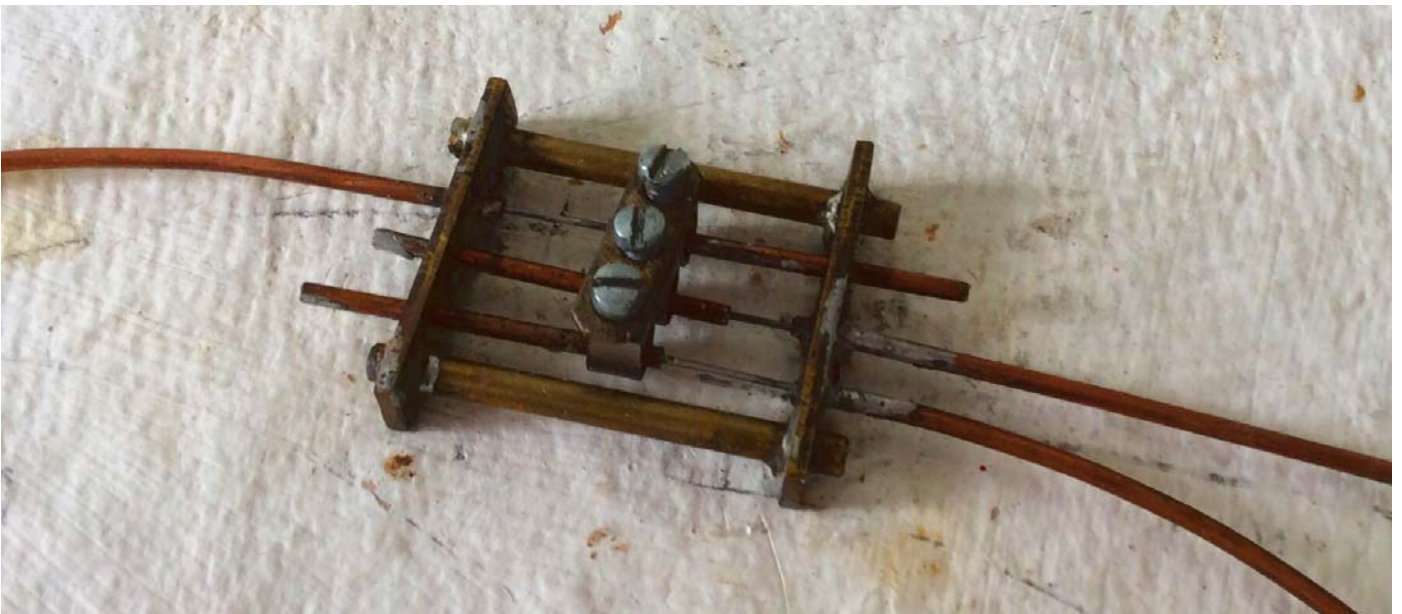
And finally, three crossing noses completed and fixed in place

O20 A device to throw both pairs of switch blades in a crossover from a single lever.

The centre wire is from the lever. The outer pair take the motion to the switch blades. The rocking (balance) lever allows each pair of switches to move the amount they require. I've found no two identical in that respect.

The first photograph shows an early version during the development phase. It is easy to see how it works. The second photograph shows the latest stage of development. It is more difficult to see how it operates but mechanically it is the same. Although difficult to see, the smaller one is much easier and quicker to make, and works better. I made a jig to drill the balance lever for the small version so that I can make fairly large quantities.

This is a fixture for drilling the balance levers that are used on the devices that I sent a photograph of yesterday. Alongside are two examples of items made using the fixture. The big advantages of using fixtures are that no marking out is necessary on components and all of them are identical. As a consequence, they are made easily and quickly. Additional jigs / fixtures can be made using the first one.



O20 (continued)

This is a fixture for drilling the balance levers that. Alongside are two examples of items made using the fixture. The big advantages of using fixtures are that no marking out is necessary on components and all of them are identical. As a consequence, they are made easily and quickly. Additional jigs / fixtures can be made using the first one.

