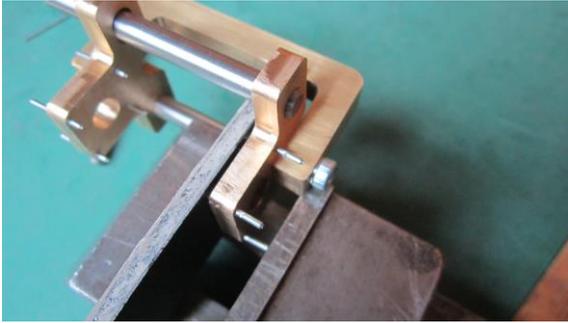


2mm Scale Association Wheel Quartering Jig

Jig Assembly

The jig comes completely assembled except for the mounting pins (wagon axles) that need pushing through the jaws of the jig. Remove the drive screw to get it out of the way.



Fitting the mounting pins.

If you have a number 60 drill then you can use that to slightly open up the 1mm pin holes from the outside of the jaws, for about 1mm or so. This makes it easier to push the pins in a little way prior to driving them through the jaw. Driving the pins in from the outside minimises the risk of bending the pins on the inside where it matters.

Acquire a piece of stout card or wood about 2.5mm thick. Put that between the vice jaw and the jig jaw so that the pins will be driven through the jig jaw and into the card or wood, stopping when they reach the other vice jaw.

If you have a larger vice that will not fit between the jig jaws then you need to put a piece of metal behind the cardboard, so that the pins are not driven through the cardboard and into the holes in the opposite jig jaw.

Assembling the Quartering Plates



Remove the frame around the etching and fold the etching concertina style. Again, a number 60 drill is useful to run through the holes in the plates. It gives a nice push fit on the pins.

Fit the concertina-ed plates onto the mounting pins in one of the jaws. Solder the plates together on at least two edges without using so much solder that you solder the plates to the mounting pins. It may be useful to put a piece of paper between the jaw and the plates to reduce heat losses.



Remove the assembled plates and solder them together more solidly.

Repeat with the other plate etching.