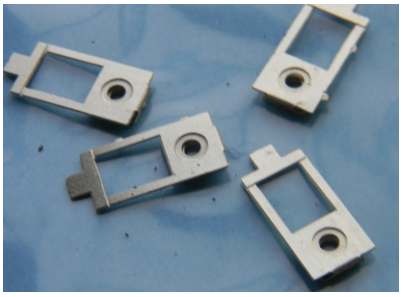
Sliding Axleboxes in 7mm Scale

This item can be used to strengthen the "W" iron using only the main part of this etching. If it is used as a sliding axlebox it will need to be folded up.

The original etches were in brass, but subsequently the material was changed to nickel-silver which is a bit stiffer. As a result the folds/bend lines may not be a trouble free as the initial product.

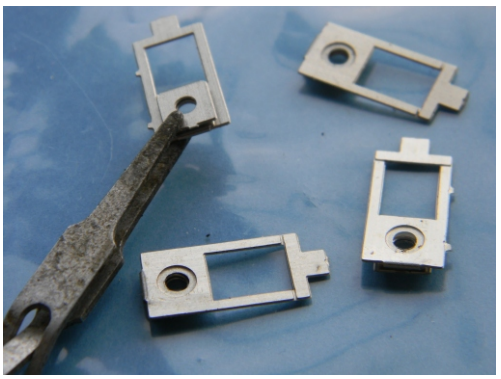


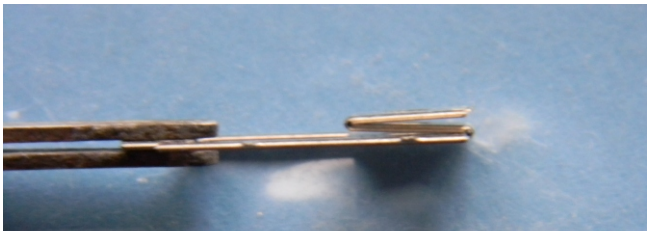
There is a relieved section on the inner layer which was added to assist in mounting some 7mm scale axle bearings. The folds occur in the standard way - towards the half etched line.

We can bend up this part by hand but it does not sit particularly flat. A toolmakers clamp or other parallel jaws should be used to crush the layers together. Do not use pliers as these will allow a taper to develop.

A dowl could be used to align the holes but this would need to be kept in place while squeezing the layers together.

Use a dob of solder on the lower edge to hold the shape. If the layers are not completely flat to each other this will allow some ease of sliding as the slot width would otherwise be as wide as the "W" iron material, some clearence is necessary.





Do not flood the part with solder as if this gets into the fabricated slots then the axlebox will not slide up or down.

There is a possibility that in folding the bearing holes will not line up satisfactorily. In this case ream the hole out if the bearing does not fit, but ream out from the same side for all axleboxes otherwise any imperfections will only be repeated