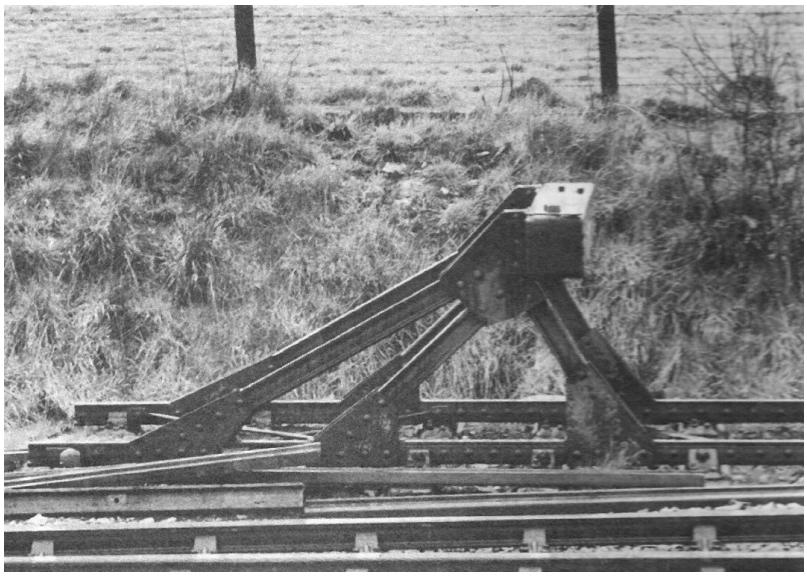
The 2mm Scale Association
1-075 LMS/BR heavyweight rail-built buffer stop



Assembly Instructions

1. Cut out the four panels from the centre of the etch. Do not at this stage separate the panels of the etch. Cut out the bracket plates (part 3) and the rail insets (part 5) and store them safely until needed.

2. Fold the etch in half along its centre line. As this is a 180 degree fold the tabs are on the inside of the fold. Then solder the supports together back to back (parts 1). You may wish to tin the rear of the parts before folding.

3. Perform folds 2 and 3 and solder the mounting plates (part 2) to the supports.

4. The two combined supports can now be cut from the etch. There are a number of tags to be removed and you may find it easier to cut away parts of the surround using snips.

5. Fold the front parts of the bracket plates (part 3) through 90 degrees. Solder to the top front of the supports.

6. The buffer stops were most often mounted on separate lengths of bullhead rail bolted to the outside of the running rails. The rail was on slide chairs so the rails could be bolted to the chair, mounted on wooden sleepers.

7. Cut out the rail inserts (part 5) and insert into the recesses in the rail. If using a separate rail for the stop, attach them to the outsides of the buffer stop rails and the insides of the running rails.

8. Assemble the two combined supports onto the track, aligning them with the rail inserts.

9. For wooden buffer beams cut out, laminate, and attach the wooden bufferbeam (part 4) to the supports. The eight layers of part 4 are laminated together to form a representation of a wooden bufferbeam, however you may prefer to use a plasticard replacement using part 4 as a template. A piece of metal or plastic rod can be used to represent the tiebar behind the bufferbeam.

10. For rail beams solder 3 lengths of bullhead rail together to make the beam. Use a lower melting point solder to attach the beam to the supports/brackets to avoid the 3 rails separating.

11. If needed, cut out the track spacer (part 6), turn its end plates through 90 degrees and solder in place towards the rear of the supports. Spacers seem to have been rare.

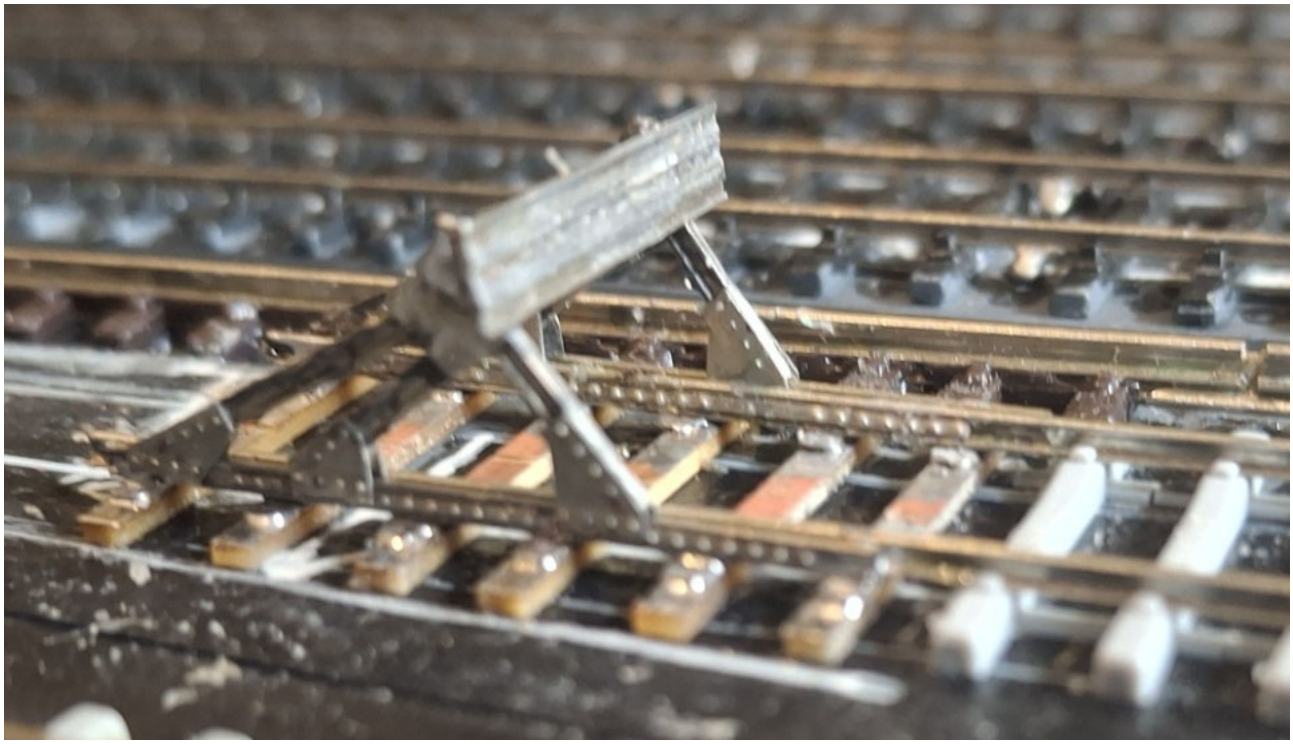
12. Remember you have now electrically connected the two rails together, so the buffer stop needs to be on a short isolated section of track at the end of a siding.

References:

1. Precision, the journal of the Protofour Society, has a brief article with a drawing, Dec 1973. It can be downloaded by Scalefour members from their web site.

2. PH Designs make 4mm and 7mm versions, their web site has useful pictures.

https://phd-design-etchings.co.uk/products/ols/products/4mm-rail-built-buffer-stop



Buffer stop mounted on separate rails outside running rails.