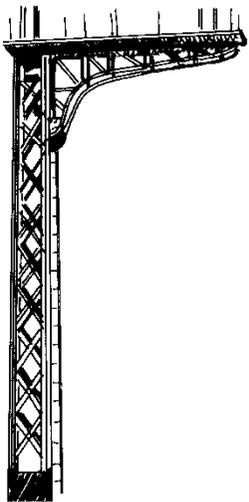


MODEL SIGNAL ENGINEERING



Part of WIZARD MODELS LIMITED
 PO BOX 70 BARTON upon HUMBER DN18 5XY
 01652 635885 www.wizardmodels.ltd

SCALE	CODE
4 mm	S0020



**20ft
HEAVY
LATTICE
BASE
POST
FOR
BRACKET
SIGNALS
and
gantries**

This Railway Signal Company base post is suitable for all those pre-Group railway companies which employed lattice posts. It would usually be found supporting a large lattice bracket (or two for an equal tee formation), or at each end of a gantry.

Brackets, ladder, dolls, arms and fittings are required to complete.

ASSEMBLY INSTRUCTIONS

To remove the components, cut into the edge of the fret only, with a pair of sharp scissors. The parts will wiggle out. Split the fret into two halves, each with a tag on the post foot; only this way will you have a perfect square to the base.

Fold each half of the post to a 90° angle with the half-etched tabs on the **inside**. Using 145° or 188° solder and a liquid flux, tin the edges of each post face and form a seam on the inside of the two bends. This will make the angles rigid. Don't dwell too long with the iron as you may induce a curve into the post. Work from alternate ends of the post to minimise curving from heat expansion; this is less likely with a Resistance Soldering Unit.

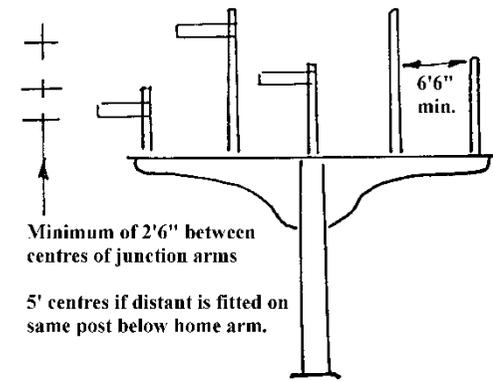
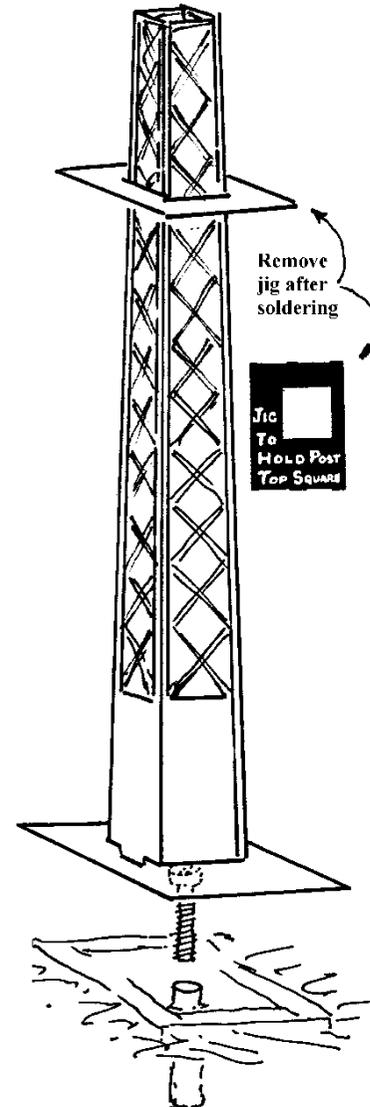
When both halves of the post are ready, fix the base of each post half to the baseplate and slip the jig over the top of the post for alignment. Run the iron up both sides of the post to produce a rigid jointed lattice post. The offset to the tag positions in the baseplate is to cater for offset brackets; if building one of these, set the longer side of the baseplate under the bracket.

Consider how you intend to fix the baseplate to the layout and make provision for this at this stage. You can use a 6BA bolt soldered to the underside of the baseplate as shown overleaf, which will locate into a prepared tube sunk into the baseboard, or you can drill two holes into the baseplate and use countersunk screws to secure. Either way, it is easier to do this now, rather than later.

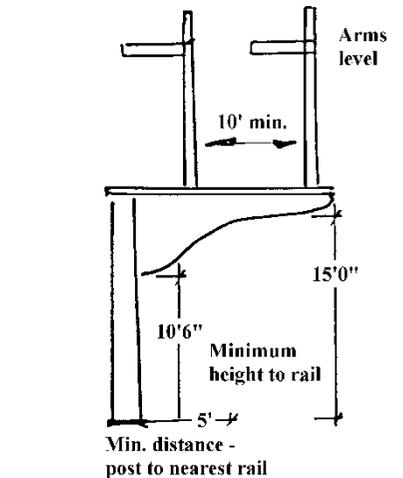
Study photographs to ascertain the method of fixing the bracket to the base post and the bracing required.

The whole of the post and bracket assembly will usually be painted white, with the bottom 3'6" or so of the post in black, but refer to a good photograph.

When the completed signal is installed, it is important to set the post at the trackside in such a way that there is sufficient clearance for stock to run beneath the bracket without damage. The minimum clearance over the centreline of the track between the bottom of the bracket and rail level is usually 15'. See the typical formation drawings across for more information.



Equal tee junction signal



Parallel roads offset bracket signal