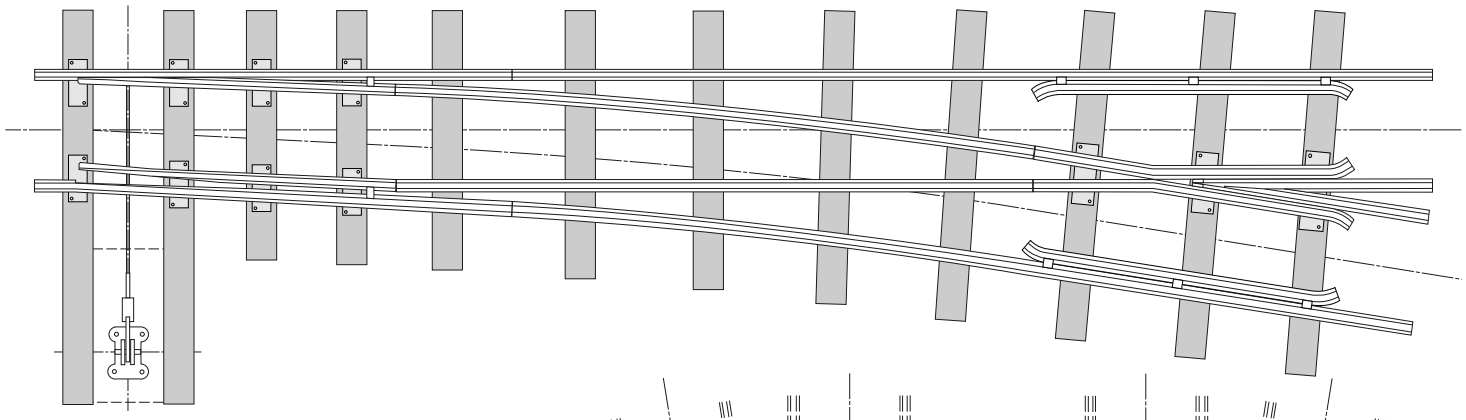


TEMPLATES

Above: Robert Hudson 1 in 6 turnout diagram, (re-drawn). The sleeper lengths have been increased to 4ft 6ins.
Opposite are a RH and LH turnout developed from this. Extra sleepers have been added to better represent a 'heavy duty' turnout of the type that would be laid in 45lb rail (or heavier). If you need or wish to draw templates yourself, then note the following:

a) There are rail joints just beyond the switch toe and heel. The former will be a glued joint, unless there is a baseboard joint (or another point) within 10cm, in which case it should be a dummy joint. The latter joint will always be a dummy.

b) There are rail joints each side of the crossing assembly. All will be glued joints, unless there is a baseboard joint within 10cm, in which case the point and splice rails will be extended and a dummy joint used.

c) The rails are usually straight through the crossing and are normally supported by just three sleepers for typical angle (e.g. 1 in 6) crossings on 2ft gauge.

d) The nose of the crossing is always supported by a sleeper with the tip being exactly at the edge of it.

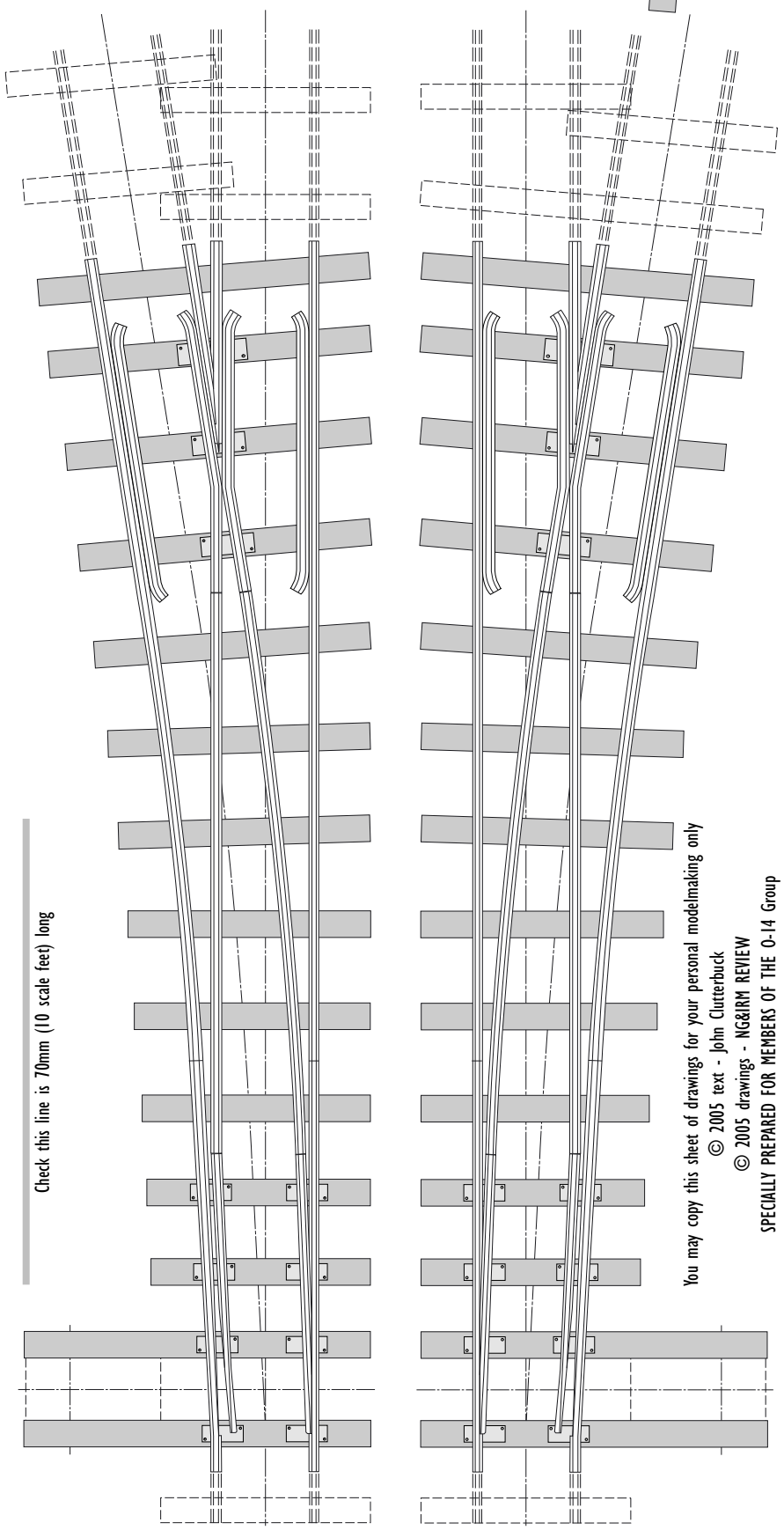
e) The switch rails are straight and not that long – generally about 6-8ft long and supported by just four sleepers for 2ft gauge.

f) The switch rails are supported by soleplates with the tips of the toes finishing on a soleplate but not overlapping it.

g) The heel of the switch rails are usually (but not always) over a sleeper, with a heel offset of about 1.5mm (prototype 3½in) from the adjacent stock rail. There is usually a distance piece (or block) between them.

h) The check rails generally cover only three sleepers with the flares starting outside of these sleepers. These are often fixed to the stock rails with two or three bolts and distance pieces.

For full constructional details
see 7mm Scale NG Track articles by John Clutterbuck:
Narrow Gauge & Industrial REVIEW issue 63 (part 1 - Prototype), issue 64 (part 2 - Track) and issue 65 (part 3 - Turnouts).



Check this line is 70mm (10 scale feet) long

RH & LH Turnout Diagrams
Full size 7mm scale, 14mm Gauge.
Alternative sleepering shown on diverging routes – either all interlaced (LH) or an extra 'crossing timber' (RH) to give support to all four joints.