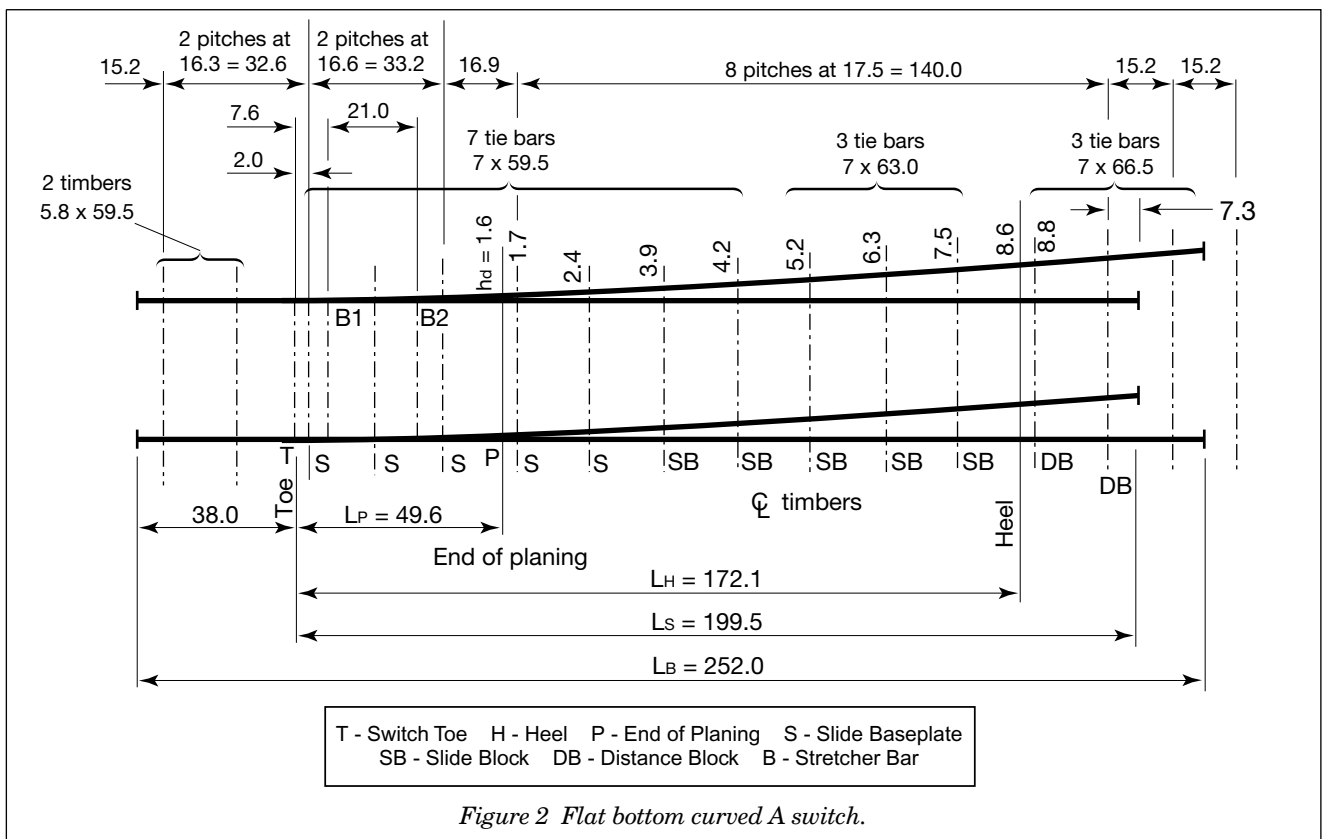
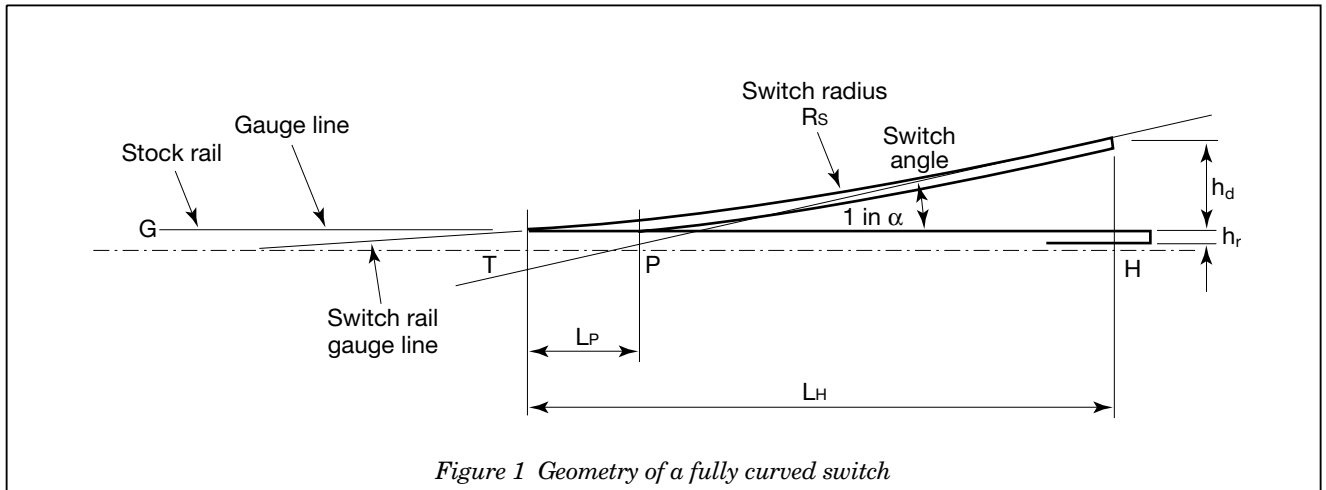


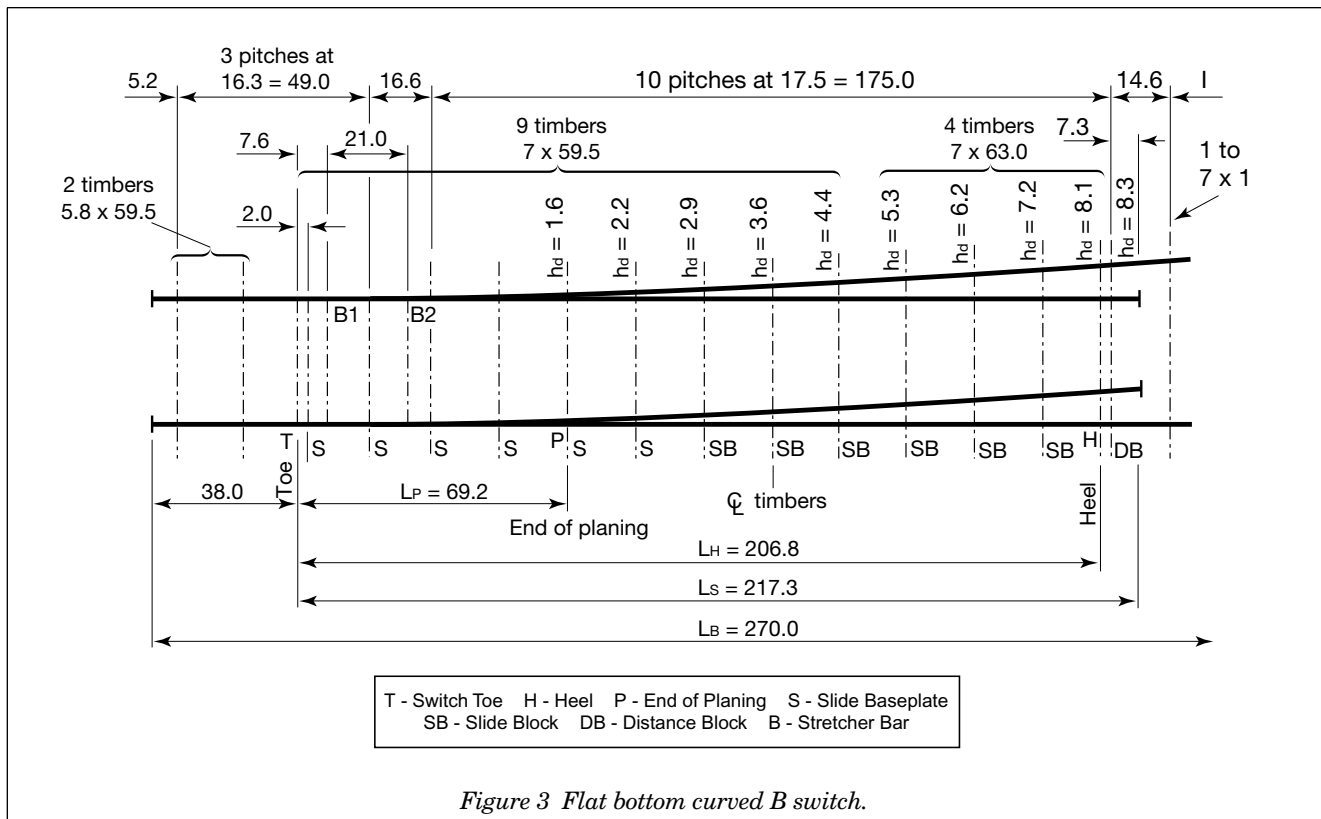
Fully Curved Switches (All Standards)

The basic geometry of a fully curved switch is shown in Figure 1 below.



The switch is carried on 15 timbers - dimension (in mm) shown on the drawing. Offset dimensions are shown against each timber.

Switch angle - 1 in 13.24 or 4° 20'. To aid in drawing - the line tangential to the heel cuts stock rail 114mm before the heel H or 58mm from the toe T.



The switch is carried on 14 timbers - dimension (in mm) shown on the drawing.
Offset dimensions are shown against each timber.

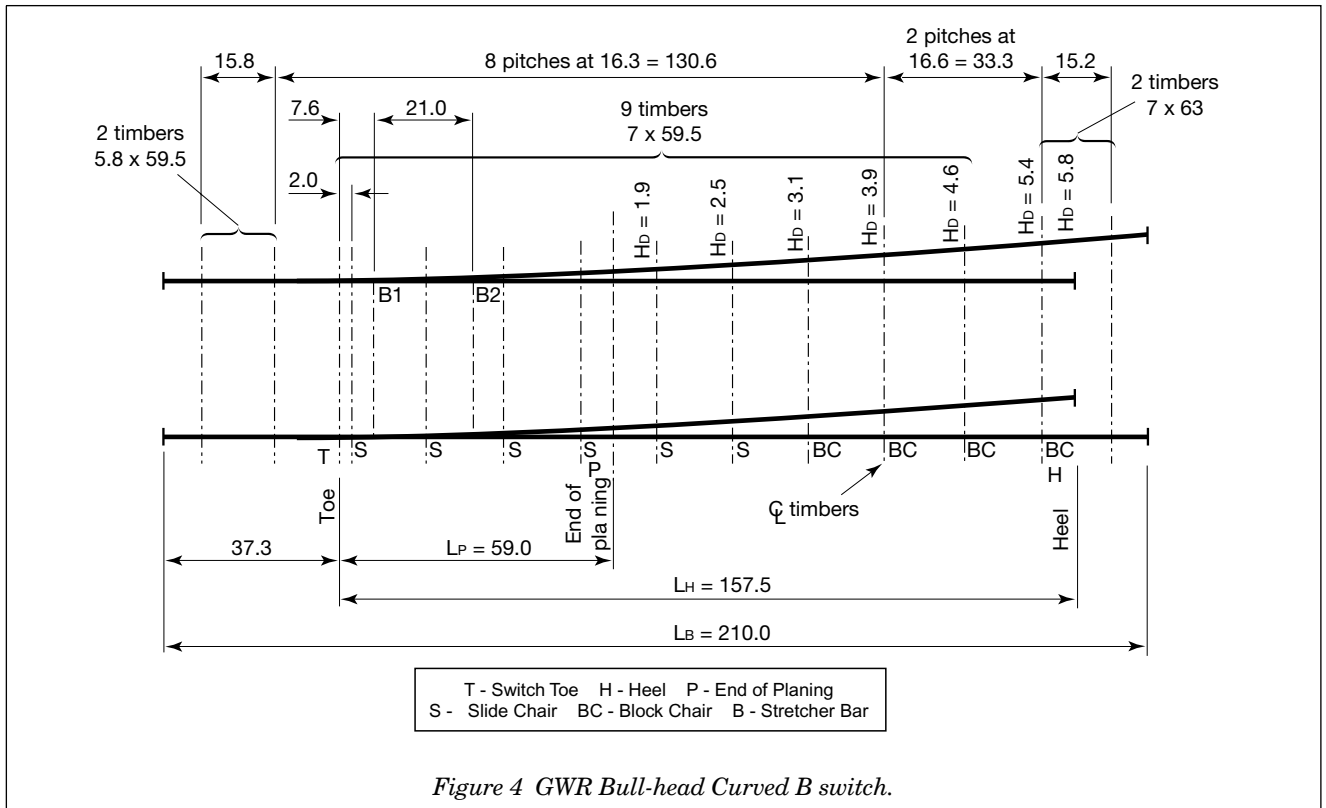
Switch angle - 1 in 15.77 or $3^\circ 38'$. To aid in drawing - the line tangential to the heel cuts stock rail 129mm before the heel H or 78mm from the toe T.



DATA SHEET

FULLY CURVED SWITCHES

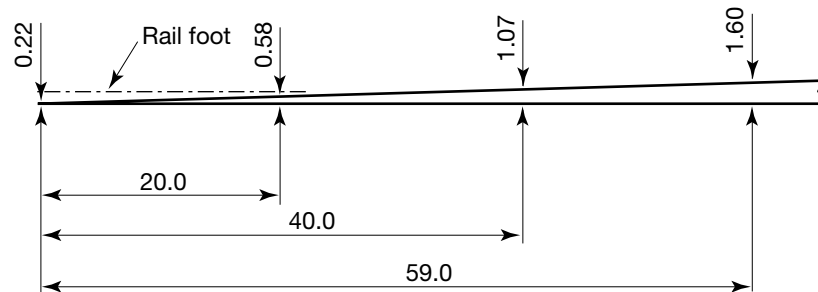
Compiled by M. Holland



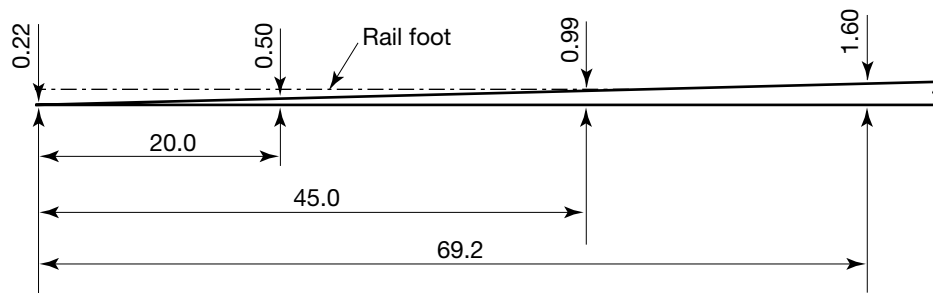
The switch is carried on 13 timbers - dimension (in mm) shown on the drawing. Offset dimensions are shown against each timber.

Switch angle - 1 in 15.77 or 3°38'. To aid in drawing - the line tangential to the heel cuts stock rail 110.5mm before the heel H or 47mm from the toe T.

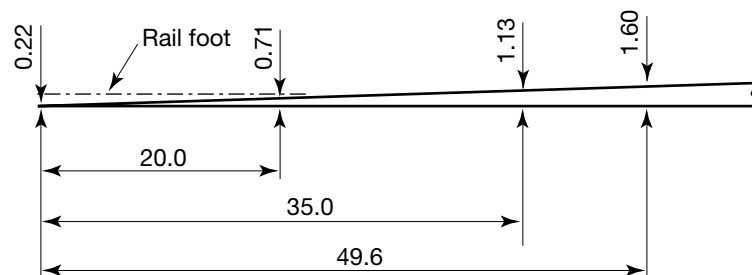
GWR 'B' switch



Flat bottom 'B' switch



Flat bottom 'A' switch



Rail head width includes 0.22mm toe thickness which decreases linearly to zero at the end of planing.
Rail foot on running side shown chain dotted. Rail foot on non-running side planed off.

Figure 5 Planing of curved switches