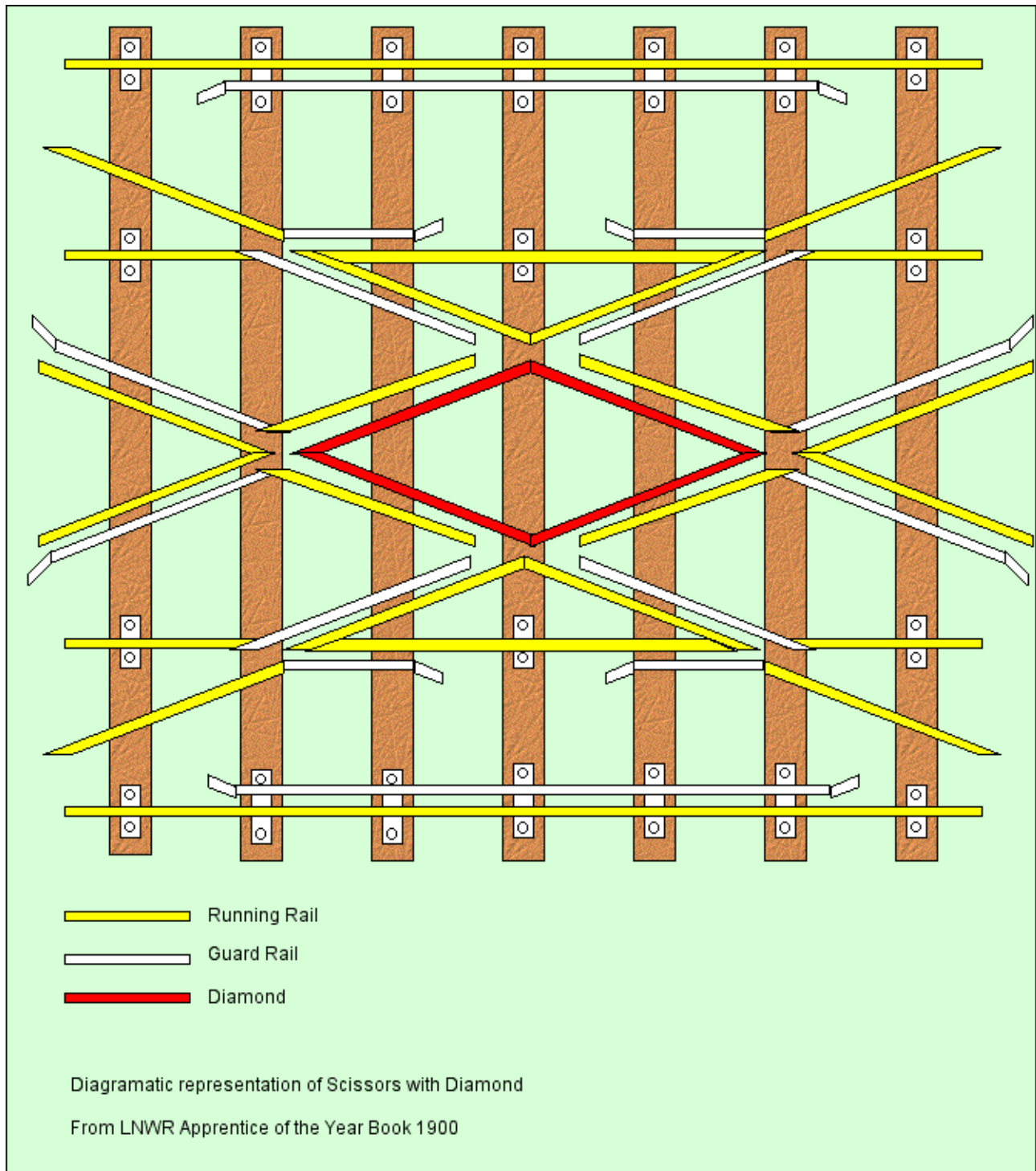


Frogs and their selection for Pointwork

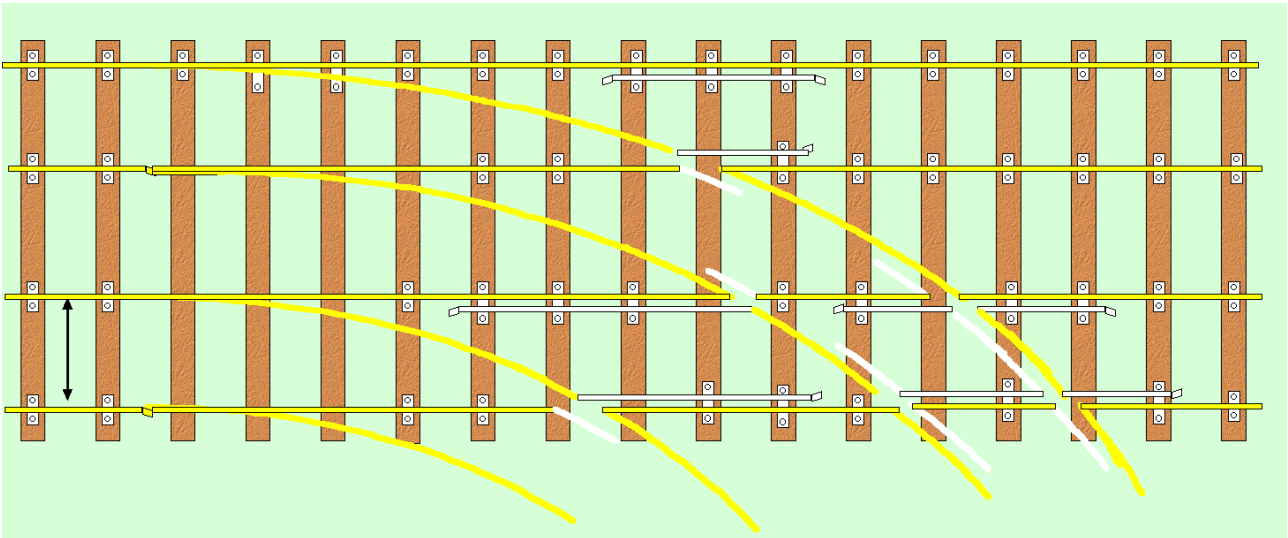
In the article Pointwork.doc the tables provide the easy selection of the required Frog from the Radius of Curvature. However there are several occasions when the Frog required is not used as a direct offshoot to a curve.

The drawing below illustrates a situation:



Finding the Cotangent of the angle required and looking across the table will select the Frog Angle (remember that the Cotangent of the angle is **very nearly** the Frog Angle). Further to that the selection of the Frog for a double junction -in which only two of the frogs required are tangential to the curve. The Cotangent to Frog Angle rough guide still holds

true:



The above illustration shows Frog Angles used at the first rail at 1 to 7 but as the curve crosses the fourth rail the angle required has risen to 1 to 3...

Using the tables in Pointwork.Doc it would be easy to use a milling machine and rotary table for quick machining of a Frog. Alternatively one could be cut with a mitre saw and silver soldered.