

Description of “spearway”

based on the following drawing of a two axle boogie or railway vehicle.

The first wheel running on the OUTSIDE tries to climb OUT of the curve track and to leave the curve track centre.

But the INNER wheel of the **following** wheel set tries to climb INSIDE the curve track.

The wheel on the inside of the second wheel set moves in a forced way.
It is pressed towards the outside by the rail.

The drawing examples the case of a HEAD rail (vignol rail).

In the explanation of “spearway” there is no difference between a head rail (vignol rail) and a grooved rail.

