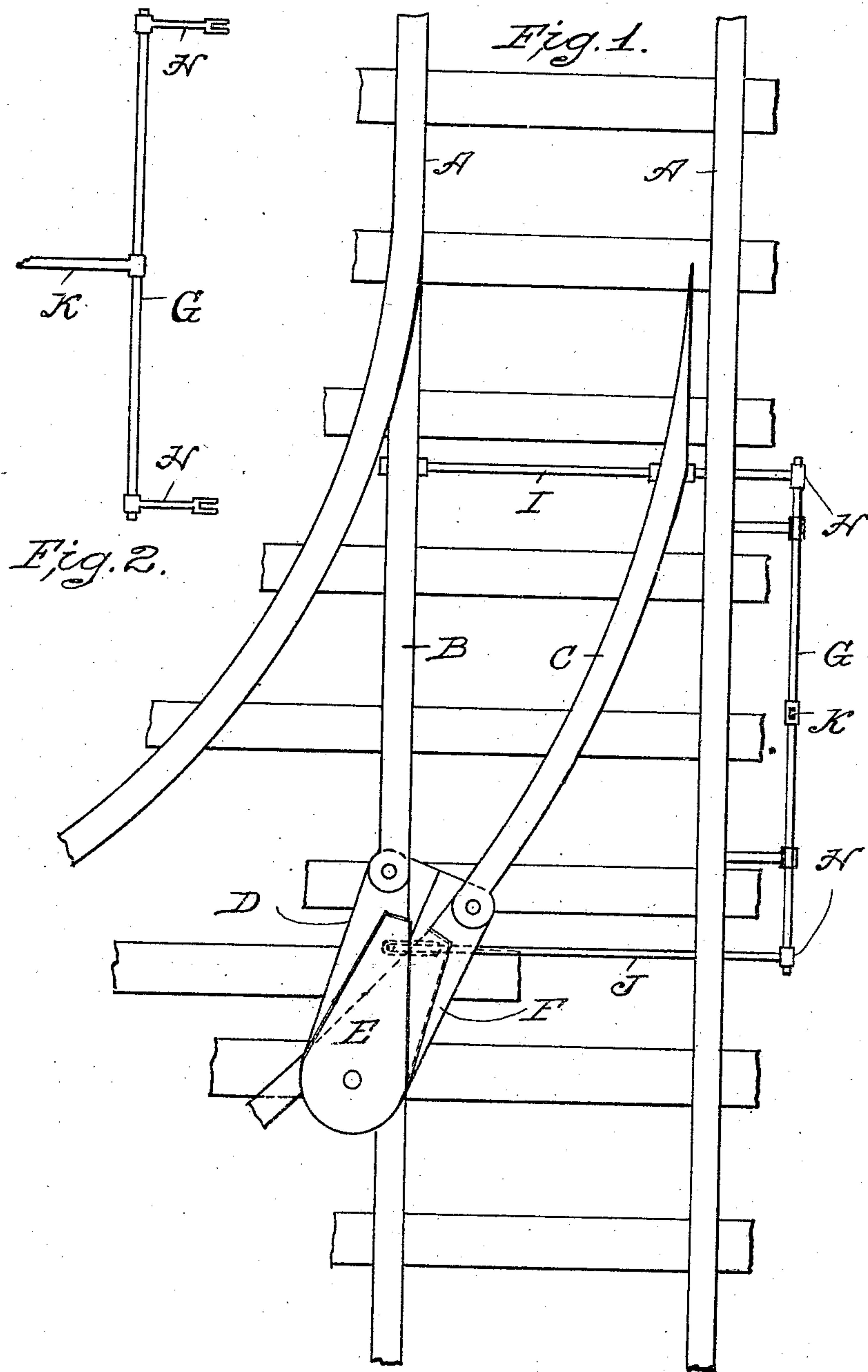


T. S. IIAMS.
 SWITCH FOR RAILWAYS.
 APPLICATION FILED MAY 3, 1909.

928,977.

Patented July 27, 1909.



Witnesses:
 C. M. Decker.
 J. M. Meador.

Inventor,
 Tara S. Iiams,
 By Mark M. Decker
 Attorney.

UNITED STATES PATENT OFFICE.

TARA S. IIAMS, OF BENTLEYVILLE, PENNSYLVANIA.

SWITCH FOR RAILWAYS.

No. 928,977.

Specification of Letters Patent.

Patented July 27, 1909.

Application filed May 3, 1909. Serial No. 493,448.

To all whom it may concern:

Be it known that I, TARA S. IIAMS, of Bentleyville, in the county of Washington and State of Pennsylvania, have invented certain new and useful Improvements in Switches for Railways; and I do hereby declare the following to be a full, clear, and exact description of my invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to switches for railways and particularly to what might be termed a "switch-frog" and has for its object to provide a movable frog which is to be operated in connection with the switch-tongue, by means of the ordinary switch throwing devices which is also connected to my improved switch.

The invention consists in certain novel features and details of construction as will be more fully described hereinafter and finally pointed out in the claim.

I will now describe my invention, reference being had to the accompanying drawing in which similar letters of reference indicate corresponding parts and in which,

Figure 1 is a plan view of a railway switch embodying my improvements. Fig. 2, is a detail view of the operating bar removed.

A, represents the main track rails and B and C, the switch-tongues.

D, is a metallic block secured to the ties, to which is pivoted a movable frog E and one of the switch tongues B. F, is a metallic block also secured to the ties and having pivoted to it one of the switch tongues C.

Secured to or near the side of one of the main-track-rails is a bar G, which carries two arms H which extend downwardly or upwardly if preferred. Connected to one end of these arms are rods I, and J, one or the rod I, being connected at its opposite end to the

switch-tongues B, and C, and the other rod J, being connected to the movable frog E. This rod J projects up through a slot in the metallic plates D, and F.

I will now describe the operation of my invention: Assuming the parts to be in the position shown by the drawing, a train passing over would keep the main track. Desiring to take the switch or side track, a lever K, would be pushed over toward the main track which would pull the switch tongues and switch-frog over to register with the opposite rails by means of the rods which are connected to said switch-tongues and switch-frog.

Having described my invention, what I claim is,

The combination with the main-track-rails and switch-tongues, of metallic plates secured to the ties both of which plates having connected thereto the switch-tongues and one of which has connected thereto a movable switch-frog; a rod or bar secured to the side of one of the main-track-rails, arms secured at the ends of said rod or bar and connecting rods I, and J, pivotally connected to the lower ends of said arms, one of said rods being connected to the switch tongues and the other to the underside of the movable switch-frog, together with a lever rigidly secured to the rod or bar for operating the switch mechanism, all substantially as and for the purposes shown and described.

In testimony that I claim the foregoing as my own invention, I have hereunto set my hand in the presence of two witnesses.

TARA S. IIAMS.

Witnesses:

BOYD E. WARNE,
MARK M. DECKER.