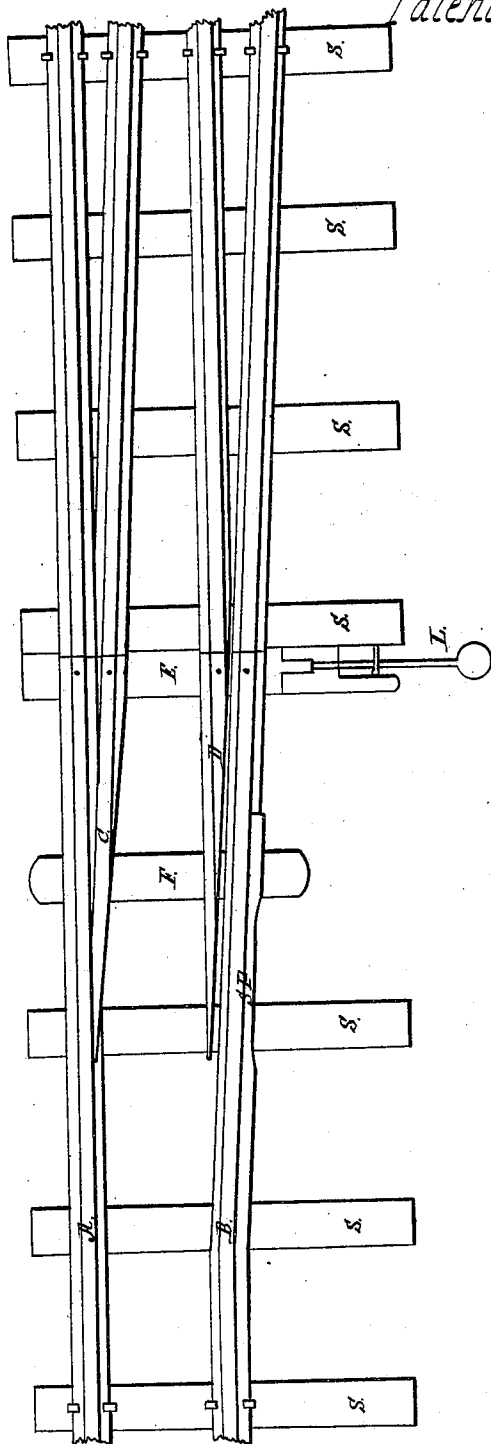


C. W. Jones'
R.R. Switches.

N^o 80980

Patented Feb 16. 1859.



Witnesses.

John L. Lilligan

Wm. F. Weaver.



CHARLES W. JONES, OF PHILADELPHIA, PENNSYLVANIA

Letters Patent No. 86,930, dated February 16, 1869; antedated February 1, 1869.

IMPROVED RAILROAD-SWITCH.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, CHARLES W. JONES, of the city of Philadelphia, in the county of Philadelphia, in the State of Pennsylvania, have invented a new and useful Improvement in "Railroad Safety-Switches;" and I do hereby declare that the following is a true and exact description thereof, reference being had to the accompanying drawings, making a part of this specification, in which is shown a plan view of my invention.

The object of my invention is to provide a railroad safety-switch, by means of which I apply my two spring-points or guides to the present switch in use, they being duplicates to cover the main-track rails, when the switch is set for the side track. Thus a train coming from the double track will be carried over safely on to the main-switch rail.

To enable others skilled in the art to make and use my invention, I will now proceed to describe its construction and operation.

I fasten spring-points, C and D, to sliding bar E, on which the switch-rails are ordinarily fastened, this slide being worked by lever L to shift the switch-rails A and B from main track to side track, and back again.

Spring-points C D are also fastened to sliding brace

F, brace F being fastened to spring S P, which lies parallel with and is fastened to switch-rail B, always holding points C D in the same position as they move with the switch, and will guide the train from single track to main or side track, as the switch may be set; and again, if the train comes from the double track, when the switch is set for the siding, the flange of the wheels will always act as a wedge, and move the spring-points to their proper place, and be carried over safely, they springing back, and taking their former position.

Having thus described my invention,

What I claim, and desire to secure by Letters Patent of the United States, is—

A safety-switch, composed of the ordinary switch, with the spring-points or guides C and D fastened to and moving with switch-rails A and B, and held to their place by spring S P, the whole being moved by lever L, and constructed and arranged to be operated in the manner and for the purpose above set forth.

CHARLES W. JONES.

Witnesses:

WM. F. WEAVER,
JAS. C. MILLIGAN.