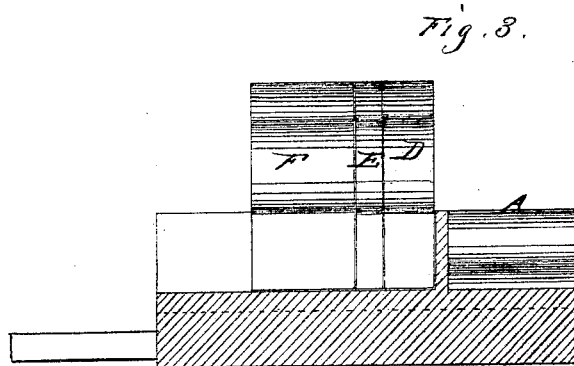
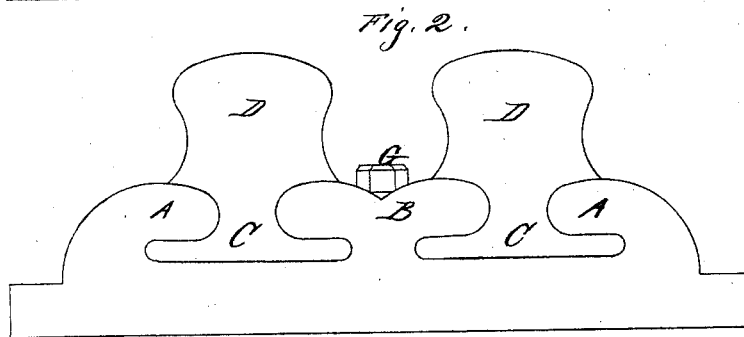
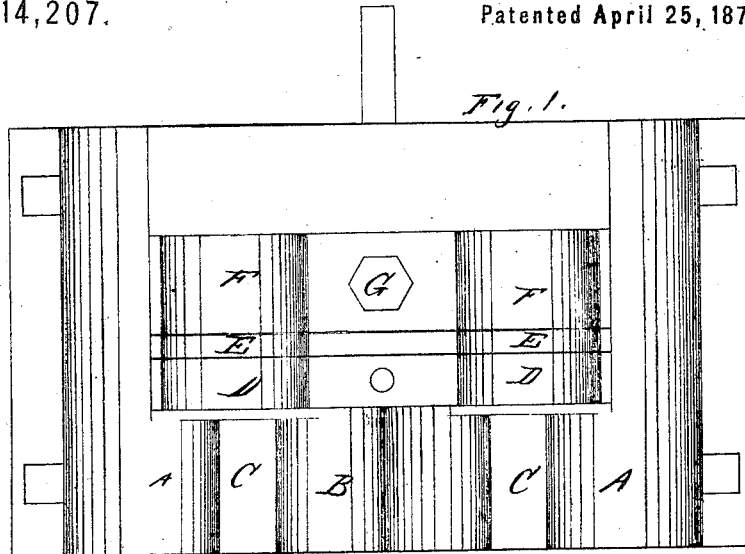


G. H. SCOUGALE.

Improvement in Railway-Switch Chairs.

No. 114,207.

Patented April 25, 1871.



Witnesses.
Geo. H. Strong
Wm. V. Rummel

Inventor.
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United States Patent Office.

GEORGE H. SCOUGALE, OF CARSON CITY, NEVADA.

Letters Patent No. 114,207, dated April 25, 1871.

IMPROVEMENT IN RAILWAY-SWITCH CHAIRS.

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, GEORGE H. SCOUGALE, of Carson City, county of Ormsby, State of Nevada, have invented an Improved Railroad-Switch Chair; and I do hereby declare the following description and accompanying drawing are sufficient to enable any person skilled in the art or science to which it most nearly appertains to make and use my said invention or improvements without further invention or experiment.

The object of my invention is to provide an improvement in the switch-chairs which are employed on railroads; and

It consists in the use of a series of blocks of different lengths, which are shaped like a section of rail, and so fitted in the chair that different lengths may be obtained, and by this means an adjustment can always be had to accommodate the expansion and contraction of the rails or the creeping of a line of rails when placed on a grade, so that it will not be necessary to cut the rails frequently, as is now the case.

Referring to the accompanying drawing for a more complete explanation of my invention—

A A are the sides, and

B is a center piece at the end of the chair, which holds the two rails where two lines unite with a single one, and the spaces C formed by these sides and center serve to hold the ends of the rails firmly in place.

The opposite end of the chair has a considerable space between the sides, and the single or switch-rail moves from side to side in this space, so as to connect with either one or the other of the two lines before described

In hot weather, and especially when on a grade, the expansion and contraction of the rails will either gradually open or close the space at the switch, so that it frequently becomes necessary to put in new rails or cut off the ones already there, thus making much trouble.

In order to adjust the rails to fit this constant expansion or contraction I employ a series of steel blocks, D E F, so formed as to correspond with the ends of the double rails. These blocks are made to slide into the space in the chair, as shown, and may be secured by a screw, G, which passes down through the chair and into a movable nut below.

By using three of these blocks I am enabled to give seven different lengths, so that by taking out or putting in different blocks I am enabled to accommodate the rails to the expansion or contraction, as desired.

Having thus described my invention,

What I claim, and desire to secure by Letters Patent, is—

The switch-chair, constructed as described and shown, and consisting of the sides A A and center piece B, in combination with the blocks D, E, and F, formed to correspond with the ends of the double rails, and the whole arranged and operating substantially as and for the purpose set forth.

In witness that the above-described invention is claimed by me I have hereunto set my hand and seal.

GEO. H. SCOUGALE. [L. S.]

Witnesses:

WM. H. RUNNELS.

J. L. BOONE.