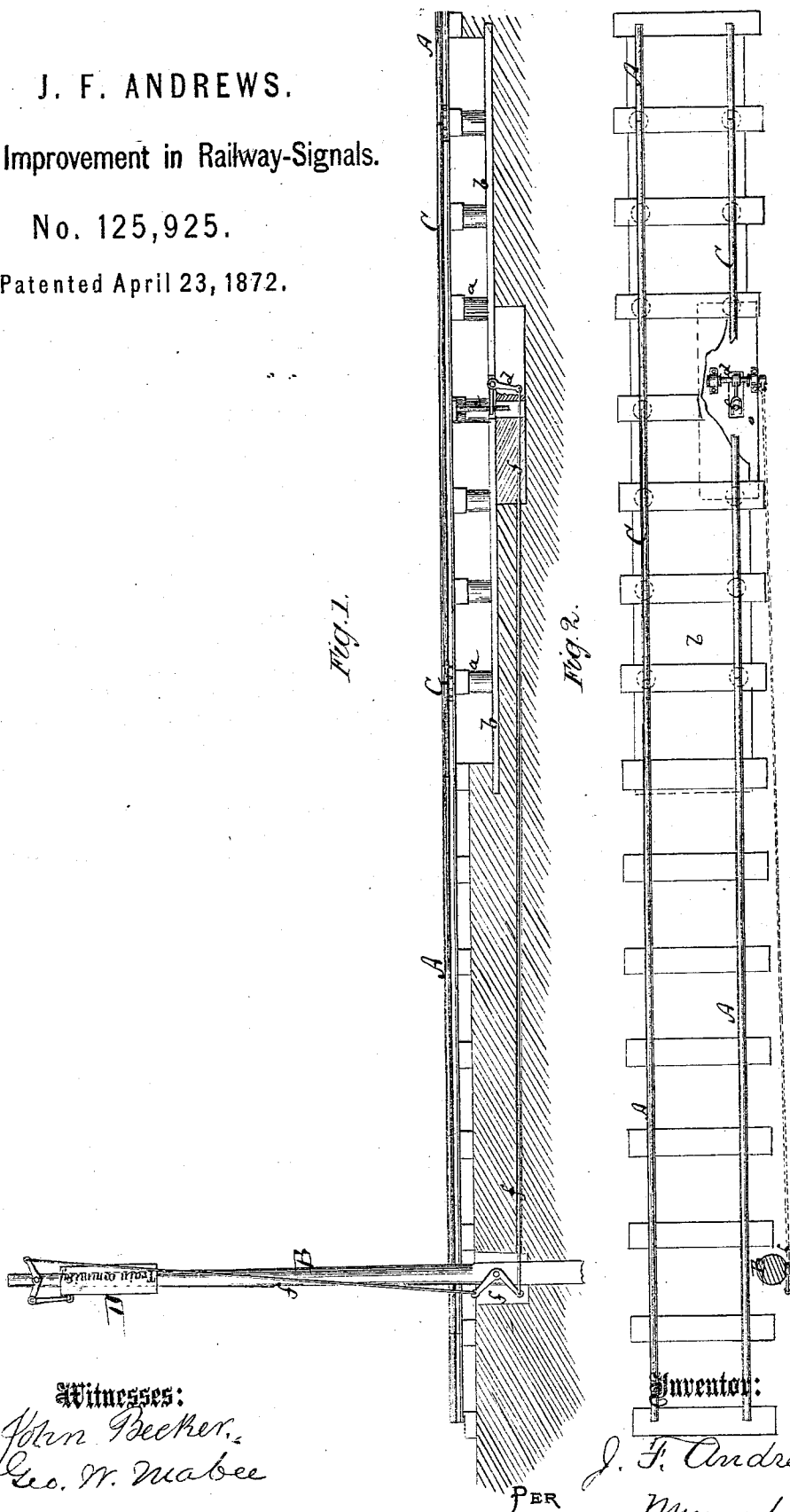


J. F. ANDREWS.

Improvement in Railway-Signals.

No. 125,925.

Patented April 23, 1872.



Witnesses:

John Becker,
Geo. W. Mabee

Inventor:

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UNITED STATES PATENT OFFICE.

JOSEPH F. ANDREWS, OF NASHUA, NEW HAMPSHIRE.

IMPROVEMENT IN RAILWAY SIGNALS.

Specification forming part of Letters Patent No. 125,925, dated April 23, 1872.

Specification describing a new and Improved Railroad Signal, invented by JOSEPH F. ANDREWS, of Nashua, in the county of Hillsborough and State of New Hampshire.

Figure 1 represents a longitudinal vertical section of my invention. Fig. 2 is a top view of the same.

Similar letters of reference indicate corresponding parts.

This invention has for its object to provide a practical means of operating signals at railroad crossings by the trains that approach such crossings, and at a suitable safe distance therefrom, so as to give timely warning to persons approaching the track when the trains are crossing. The invention consists in the arrangement of a vertically-movable rail set on springs, which is crowded down by the weight of the train passing over it.

A in the drawing represents the railroad track. B is the signal-stand erected at the place of a crossing. C is the rail, by the action of which the signal is to be set. This rail

is supported by rubber springs *a a*, which rest on a firm bed, *b*. When the train passes over the rail C it depresses the same, and causes it to compress the springs *a*. This downward motion is utilized in swinging a pivoted bell-crank, *d*, which is, by a rod, *e*, connected with the rail C, and, by a system of other rods and levers, *f f f*, with the signal D. The latter is thus moved for display whenever the train passes over the rail C. Immediately after the train has left it, the rail C is righted by the expansive force of the springs.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

The main rail A of a railroad track arranged upon rubber pillars *a*, in combination with signal mechanism, substantially as described, for the purpose set forth.

JOSEPH F. ANDREWS.

Witnesses:

J. E. KENT,
J. C. KEMPTON.