

ROBERT GIDLEY.

Improvement in Railway Signals.

No. 124,806.

Patented March 19, 1872.

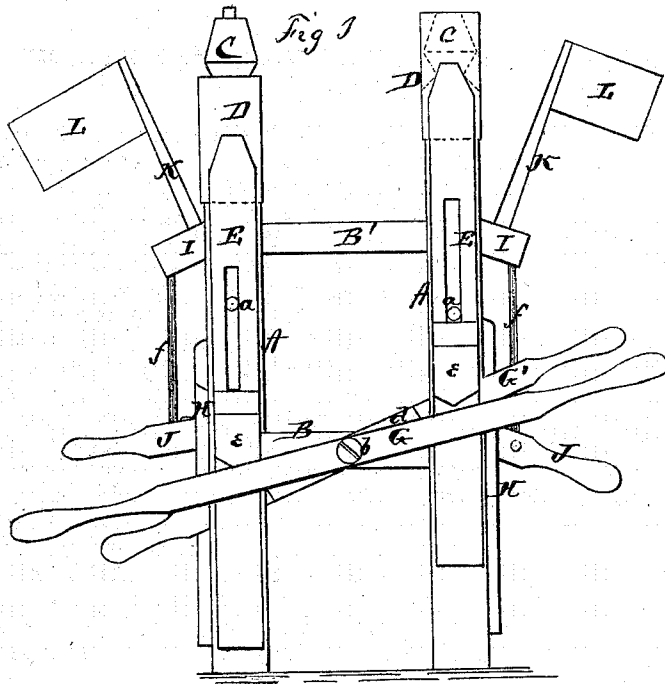


Fig 3

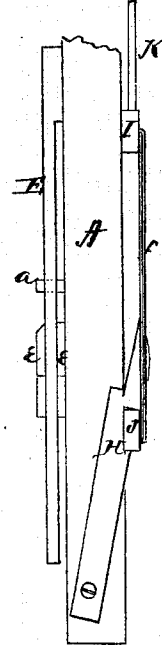
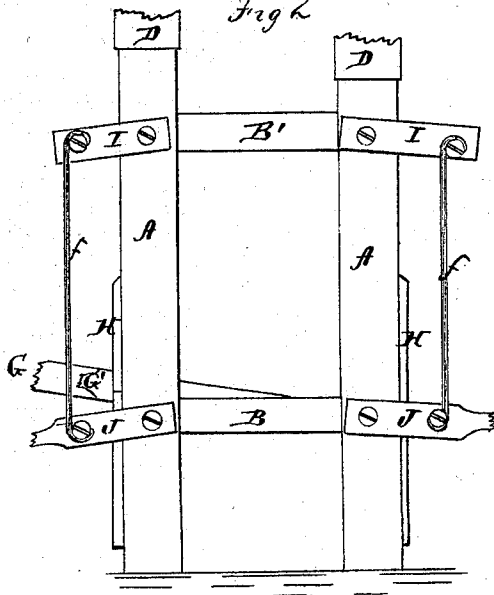


Fig 2



Witnesses:

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UNITED STATES PATENT OFFICE.

ROBERT GIDLEY, OF MOORE'S MILLS, NEW YORK.

IMPROVEMENT IN OPERATING RAILWAY SIGNALS.

Specification forming part of Letters Patent No. 124,806, dated March 19, 1872.

To all whom it may concern:

Be it known that I, ROBERT GIDLEY, of Moore's Mills, in the county of Dutchess and State of New York, have invented certain new and useful Improvements in Railroad Signals; and do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon.

The nature of my invention consists in the construction and arrangement of a railroad signal, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing which forms a part of this specification, and in which—

Figure 1 is a side view of my railroad signal. Fig. 2 is a partial view of the opposite side, and Fig. 3 is an end view of the signal.

A A represent two upright posts, connected by means of cross-bars B B', and carrying at their upper ends each a lamp, C. Over each lamp, or rather around each lamp and the upper ends of the posts is a metal cap, D, attached to a bar, E, which runs down along the side of the post, a pin, *a*, from the post passing through a vertical slot in said bar E. To the lower cross-bar B, and on the same side as the bars E E, are pivoted two levers, G G', by means of one bolt or screw, *b*, passing through the centers of said levers and into the center of said cross-bar. The ends of the lever G' pass between the posts A A and the bars E E, while the ends of the lever G are close to the outside of said bars, and on the inner lever G' is a bar, *d*, attached, of the same thickness as the bars E and of the same length as the distance between them, thus filling up the space.

Upon both the inner and outer sides of the bars E E are projections *e e*, beveled on their under or lower edges, as shown in Fig. 1, so that by the working of either lever one of the bars E may be raised to cause the cap D to surround the lamp C and hide the light. When either one of said caps is raised in this manner the inner lever G', supporting the sliding bar attached to it, may be held by a notched bar, H, pivoted to the side of the post, and thrown forward so that the notch catches on the lever. The other cap may then be raised by the other lever G. On the opposite side of each post A are pivoted an arm, I, and lever J, connected together by a rod, *f*. Upon the arm I is a flag-staff, K, with flag L, which thus, by means of the lever J, can be thrown up or out, as occasion may require, for signaling in daytime.

When the flag is thrown up it is held by the notched bar H catching on the lever J in the same manner as above described for the lever G'.

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

1. The combination of the posts A A, cross-bars B B', lamps C C, caps D D, slotted sliding bars E E, pins *a a*, projections *e e*, levers G G', and notched bars H H, all constructed and arranged to operate substantially as and for the purposes herein set forth.

2. The combination of the posts A A, arms I I, staffs K K, flags L L, connecting-rods *f f*, levers J J, and notched bars H H, all constructed and arranged to operate substantially as and for the purposes herein set forth.

ROBERT GIDLEY.

Witnesses:

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