No. 817,259. PATENTED APR. 10, 1906.

W. M. LOWE.

RAILWAY GATE.

APPLICATION FILED OCT. 16, 1905.

Fig. 1

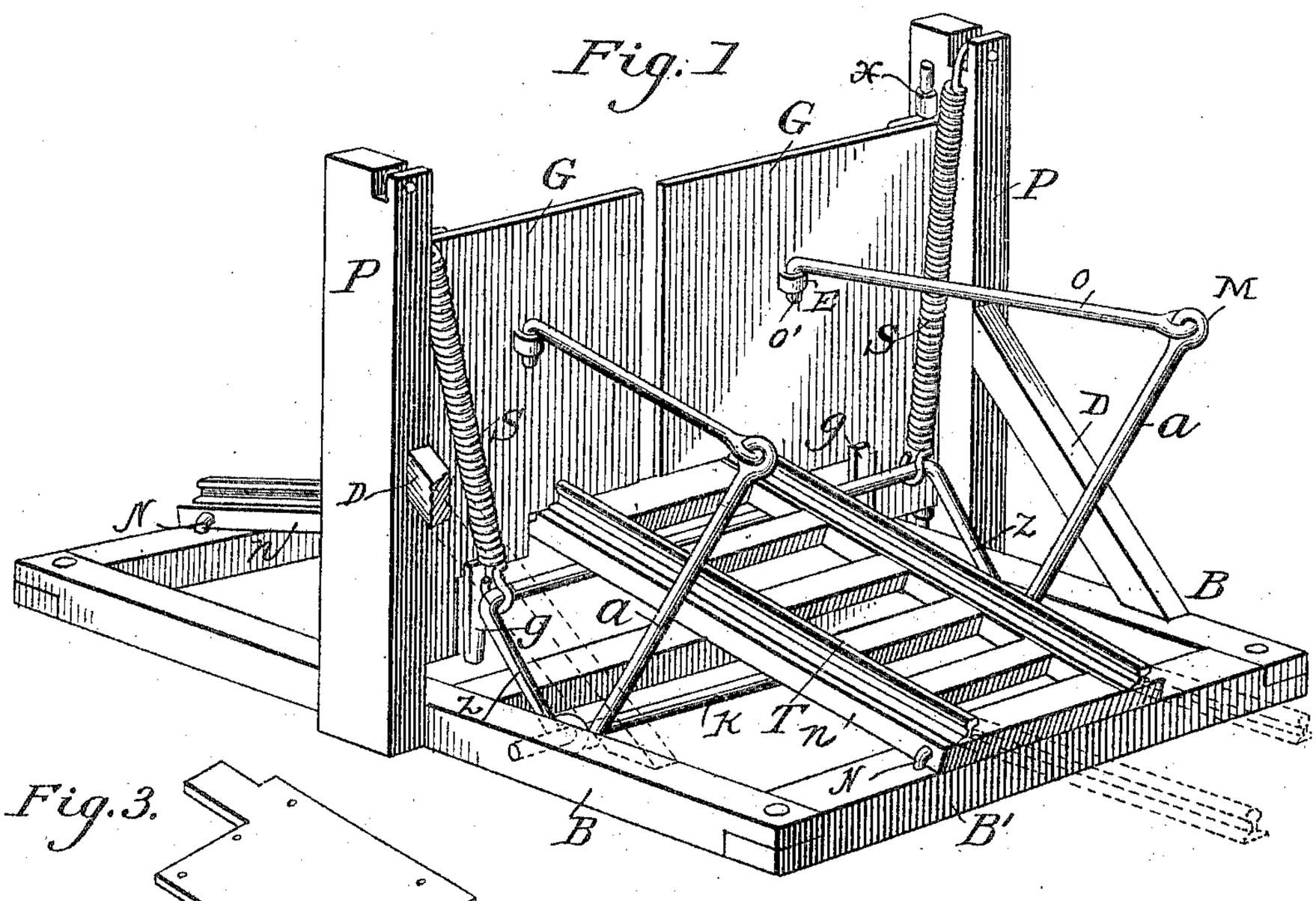
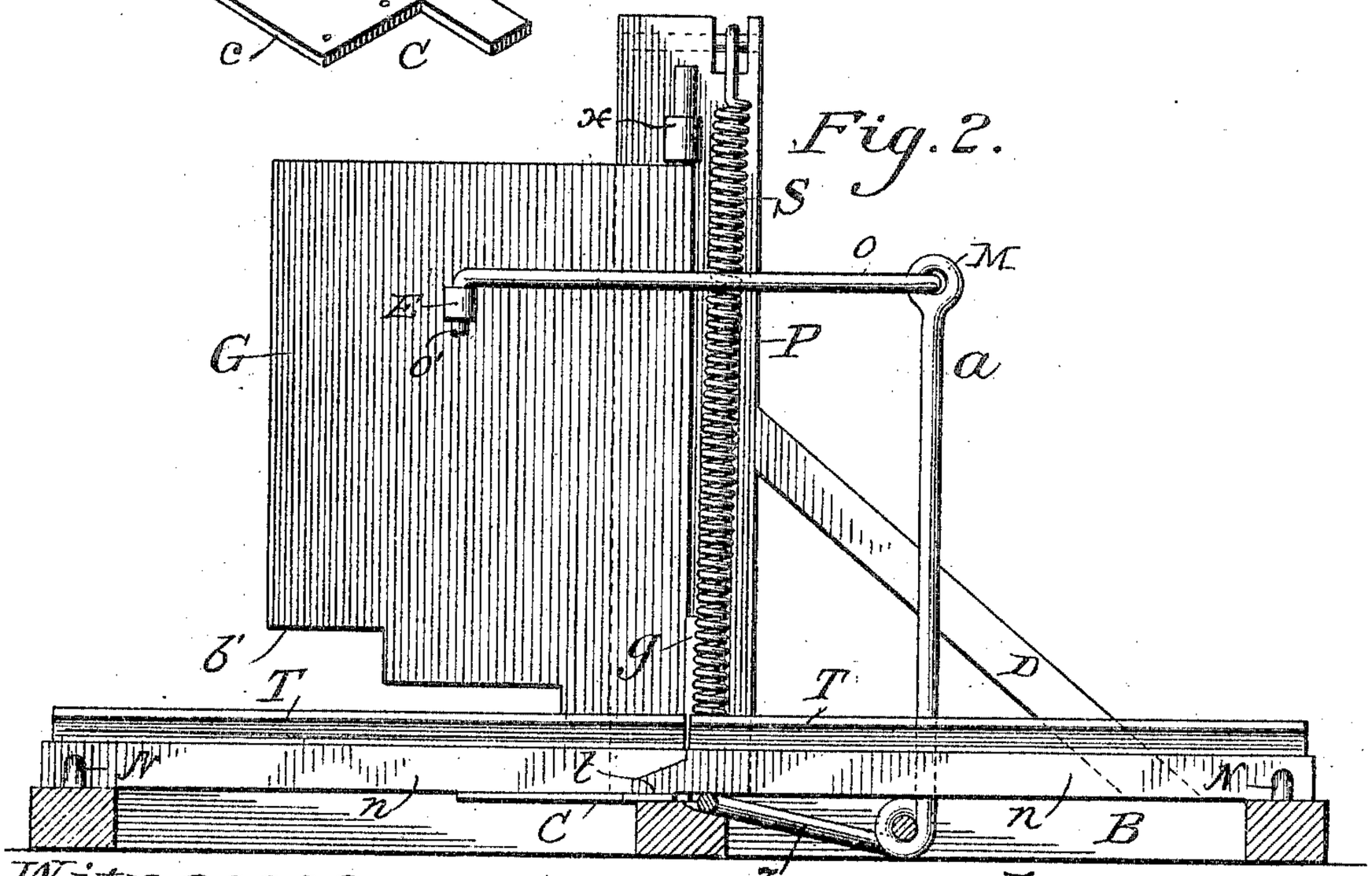


Fig. 3.

Fig. 2.



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UNITED STATES PATENT OFFICE.

WILLIAM MADISON LOWE, OF APPLEBY, TEXAS.

RAILWAY-GATE.

No. 817,259. Specification of Letters Patent. Patented April 10, 1906.

Application filed October 16, 1905. Serial No. 283,040.

To all whom it may concern:

Be it known that I, WILLIAM MADISON LOWE, a citizen of the United States, residing at Appleby, in the county of Nacogdoches, Texas, have invented a Railway-Gate Used Instead of a Stock-Guard, of which the following is a specification.

My invention relates to improvements in railway-gates, and has for its object the provision of a device of this character adapted to serve as a cattle-guard or to prevent the passage of persons over trestles or other railway-bridges and so arranged that the gate will automatically be opened upon the approach of a train and will automatically close upon the passage of the train.

Further objects and advantages of the invention will be set forth in the detailed description which now follows.

In the accompanying drawings, Figure 1 is a perspective view of a railroad-gate constructed in accordance with the invention. Fig. 2 is a vertical section of the same, showing the parts in the position they occupy when the gates are open, said section being taken upon one side of the railroad-track proper; and Fig. 3 is a detail perspective view of a plate which will be hereinafter described.

Like letters designate corresponding parts in all of the figures of the drawings.

My invention comprises a rectangular frame comprising the side members B and the end members B′. Secured to the base-frame intermediate the ends thereof are the vertical posts P P, to the inner face of which are hinged the gates G G, as at X. Extending transversely of the base-frame is a pivot-rod K, upon which is mounted for oscillatory movement an L-shaped frame consisting of the inwardly-extending U-shaped bar Z and the vertically-extending rods *a*, provided with eyes M. Secured to the upper ends of the rods *a* are links O, having the down-turned ends O′, which engage broad staples or keepers E, carried by gates G G. Pivoted at N upon the member B′ are rock-frames *n*, which carry short sections of the rails T. Extending from the tops of the posts P P are springs S, the lower ends of which are secured to the U-shaped bar Z. Stop-pins *g g* limit the movement of the gates in one direction. Secured to the under face of the rock-frame *n*, as at *t*, is a plate C, the end *c* of which extends under the end of the other rock-frame *u*. Braces D aid in strengthening the device. The lower portions of the gates are cut away, as at *b′*, to permit said gates to close over the rails T.

The operation of the device is as follows: Upon the approach of a train the weight of such train upon the short sections of the rails will depress the rock-frame *n*, the inner end of which rests upon the U-shaped bar Z. This will in turn throw the rods A to the position illustrated in Fig. 2, thereby opening the gates, as will be readily understood. After a train has passed the gates the springs S S draw the U-shaped bar Z into the position illustrated in Fig. 1. This throws rods *a* to the right until said rods, through the links O, draw the gates G G against the stops *g*. Since the transversely-disposed rod of the U-shaped member G underlies one of the frames *n*, it follows that said frame and the short sections of the rails will be drawn upwardly to the position illustrated in Fig. 1. The plate C, carried by the said frame *n*, acts when this is done to elevate the other frame *n* to a like position.

From the foregoing description it will be seen that simple and efficient means are herein provided for accomplishing the objects of the invention.

While the elements herein shown and described are well adapted to serve the purpose for which they are intended, it is to be understood that the invention is not limited to the precise construction set forth, but that changes within the scope of the appended claims may be resorted to without departure from said invention.

Having described my invention, what I claim is—

1. In a device of the character described, the combination of oppositely-disposed posts, of gates hinged to said posts, a frame pivoted adjacent said posts, springs secured to said posts and engaging a portion of said frame in such manner as to actuate said frame in one direction, connections between said frame and the gates and movable sections of rails which overlie a portion of said frame.

2. In a device of the character described, the combination with oppositely-disposed posts, of a pair of gates hinged to said posts, an oscillatory frame pivoted adjacent said posts

springs carried by said posts and engaging a portion of said frame, links connected to upwardly-extending portions of said frame and to said gates, pivoted sections of rails which overlie a portion of said frame in such manner as to have one end of one of said sections elevated by said frame when the gates are closed and means for causing the two pivoted sections of rails to move in unison.

his
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Witnesses:
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