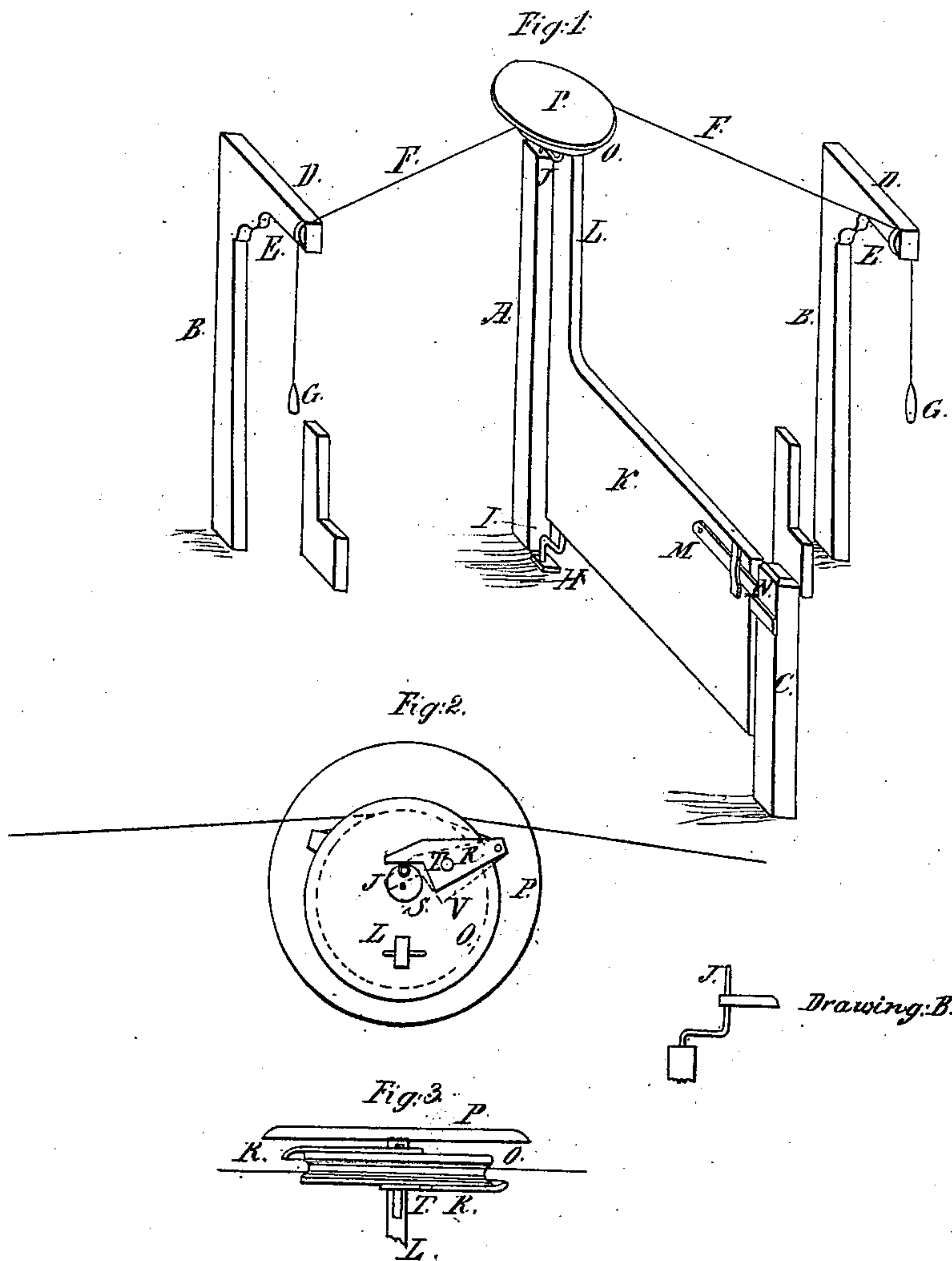


H. Hunt,

Automatic Gate,

N<sup>o</sup> 77,735.

Patented May 12, 1868.



Witnesses:

Chas E. Griffin  
A. G. Parish

Inventor:

H. Hunt  
By his atty  
Geo. H. Chapin

# United States Patent Office.

H. HUNT, OF DELAVAN, WISCONSIN.

*Letters Patent No. 77,735, dated May 12, 1868.*

## IMPROVEMENT IN GATES.

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, H. HUNT, of Delavan, in the county of Walworth, in the State of Wisconsin, have invented a new and useful Improvement in Gates; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification, in which—

Figure 1 is a perspective representation of my invention.

Figure 2, a plan view of the arrangement by means of which the gate is opened and closed.

Figure 3, an elevation of the same.

This invention relates to that class of gates designed to be opened and closed by persons in carriages, and equestrians; and its nature consists in the use of two posts for the support of pulleys, over which weighted cords for operating the gate are made to pass, a jamb-post, and pivot-post, the latter supporting the gate; and in the arrangement of levers pivoted to a main pulley attached to the long stile of the gate for the purpose of raising its end out of a catch in the jamb-post, and keeping it in position to rest on a stop, and thus be held open when passing through.

In order to give a correct understanding of my invention, I have marked corresponding parts with similar letters, and will now give a detailed description.

B B represent posts, set in the ground, with arms D D for the support of pulleys E E, over which cords F F, used to operate the gate K, are made to pass; said cords supporting weights G G for keeping them in position for use. Posts are also set in the ground, for hanging the gate and fastening it, as seen at A C, fig. 1; said gate being made similar to those now in common use, but hung on elbow-pivots, as hereinafter shown. The long stile, L, of the gate K is rigidly attached to a main pulley, O, outside of its centre, as seen at fig. 2, and has an elbow-pivot, I, fixed in its bottom to set in a step, H, fig. 1, and is hung to an upper pivot, J, fixed in the top of the post A by means of an eye, or otherwise, as most convenient, as seen at drawing B. The pulley O has a hole, S, made through it to receive the pivot J, and large enough to permit it to work back and forth, when the gate is to be raised out of a catch, N, before being opened. Levers, R R, are pivoted to the opposite sides of the pulley O at T T, and are used in conjunction with the cords F for raising the end of the gate out of the catch N, which is accomplished by pulling on either of the cords, and forcing the lever, to which it is attached, against the pivot J, as seen by dotted lines V, fig. 2. This will throw the top of the stile L back toward the post A, and keep it in that position until the gate is swung around and made to rest on the stops X, the levers R answering the same purpose for raising the gate off from the stops as out of catch N. The cords F are fastened to levers R, and are made to pass around the main pulley O for opening the gate after being raised out of the catch, and are protected from ice and snow, as are the levers R, by a cap, P, figs. 1 and 3, attached to the top of said pulley.

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

1. The combination of the levers R R, pulley O, and cords F, arranged substantially as and for the purpose set forth.

2. The combination of pulley O levers R R, pivots I J, and cap P, arranged to operate substantially as herein set forth.

H. HUNT.

Witnesses:

CHAS. E. GRIFFIN,

A. T. PARISH,