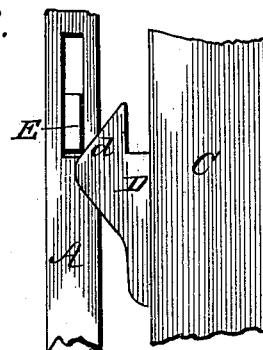
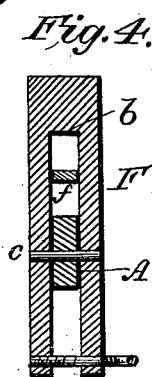
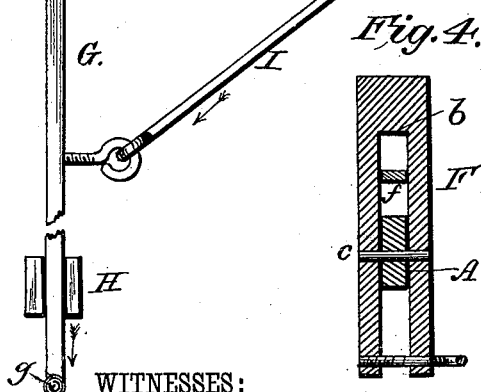
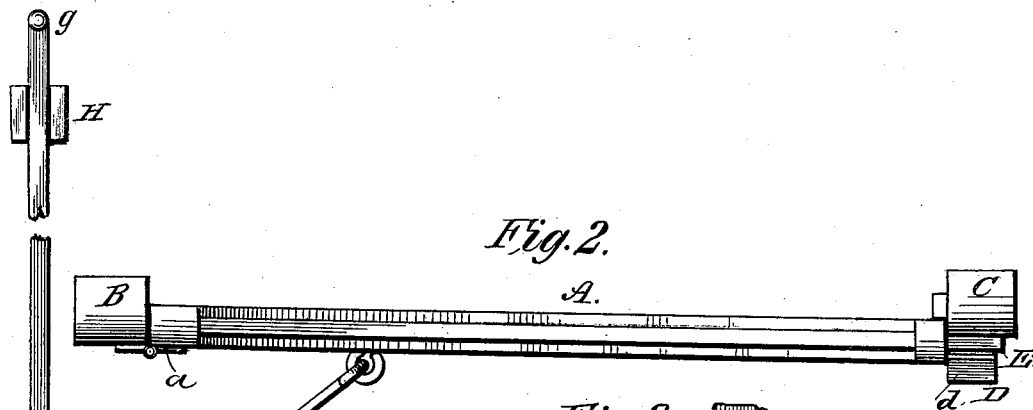
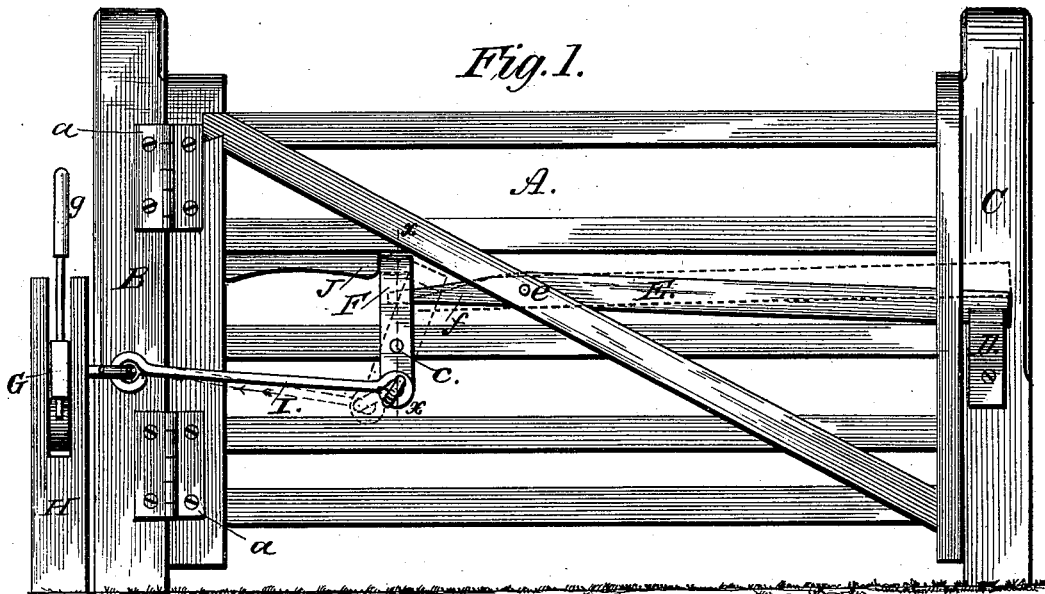


(No Model.)

W. M. GRISHAM.  
GATE.

No. 306,915.

Patented Oct. 21, 1884.



WITNESSES:

*Ed. G. Dieterich*  
*W. H. Stevens.*

INVENTOR:

*Wiley M. Grisham*  
BY *Munn & Co.*

ATTORNEYS.

# UNITED STATES PATENT OFFICE.

WILEY M. GRISHAM, OF WINCHESTER, ILLINOIS.

## GATE.

SPECIFICATION forming part of Letters Patent No. 306,915, dated October 21, 1884.

Application filed February 8, 1884. (No model.)

*To all whom it may concern:*

Be it known that I, WILEY M. GRISHAM, a citizen of the United States, residing at Winchester, in the county of Scott and State of Illinois, have invented certain new and useful Improvements in Gates, of which the following is a description.

This invention relates to that class of gates used on farm-roads; and it has for its object to provide means whereby a rider may open the gate on approaching it and may close it on leaving without dismounting.

To this end my invention consists in means for first raising the gate-latch and afterward opening the gate by one and the same continuous movement, as hereinafter described and claimed, reference being had to the accompanying drawings, in which—

Figure 1 is a front elevation of my gate. Fig. 2 is a plan view of the same. Fig. 3 is a detail view of the latch-hook, and Fig. 4 is a transverse vertical section at *x*, Fig. 1.

A represents a gate made in any usual form and hung by hinges *a* upon a fixed post, B.

C is the latch-hook post, and D is the latch hook fixed thereto, having such a nose or incline, *d*, as will enable the gate-latch E to slide readily up over it into the hook. The latch E is pivoted at *e* to the gate to fall forward of its own weight, and it is extended at *f* to the rear of the pivot.

F is an intermediate lever, which I call a "stirrup." It is pivoted at *c* to the gate, and provided with a shoulder, *b*, extending over the end *f* of the latch. When swung forward to the position shown in dotted lines, the stirrup bears on the rear end, *f*, of the latch and raises its forward end out of engagement with the hook D. This is done by means of a long handle-bar, G, which is mounted in the tops

of posts H to slide freely endwise therein at right angles to the plane of the closed gate.

*g g* are handles on bar G, by means of which a rider may operate the bar.

I is a brace-rod hinged at one end to bar G and at the other end to the stirrup F.

J is a shoulder on the gate, against which the upper end of the stirrup abuts when its lower end is thrust forward.

In operation the approaching rider moves the bar G in the direction of the arrow. He thereby first raises the gate-latch; then, as he continues the motion of bar G, he opens the gate; then, after passing through, he may close the gate by sliding the bar G in the opposite direction to the arrow. The latch, being free to rise by the action of the inclined nose on the hook, becomes caught by the hook. In closing the gate the stirrup is assisted to maintain a vertical position against the thrust of the brace-rod I by the shoulder J. Thus each part is simple and effective in its operation.

What I claim as new, and wish to secure by Letters Patent, is—

The combination, with a gate, A, a post, B, supporting the same by means of hinges, a post, C, having an inclined hook, D, and a latch, E, pivoted to the gate to drop of its own weight to engage the hook D, of the stirrup F, pivoted to the gate to engage the latch E, the bar G, mounted on fixed supports to slide thereon transversely to the gate, and provided with a handle, and the brace-rod I, connecting the bar G with the stirrup F, substantially as shown and described.

WILEY M. GRISHAM.

Witnesses:

P. CLARKSON,  
A. P. GRANT.