

(No Model.)

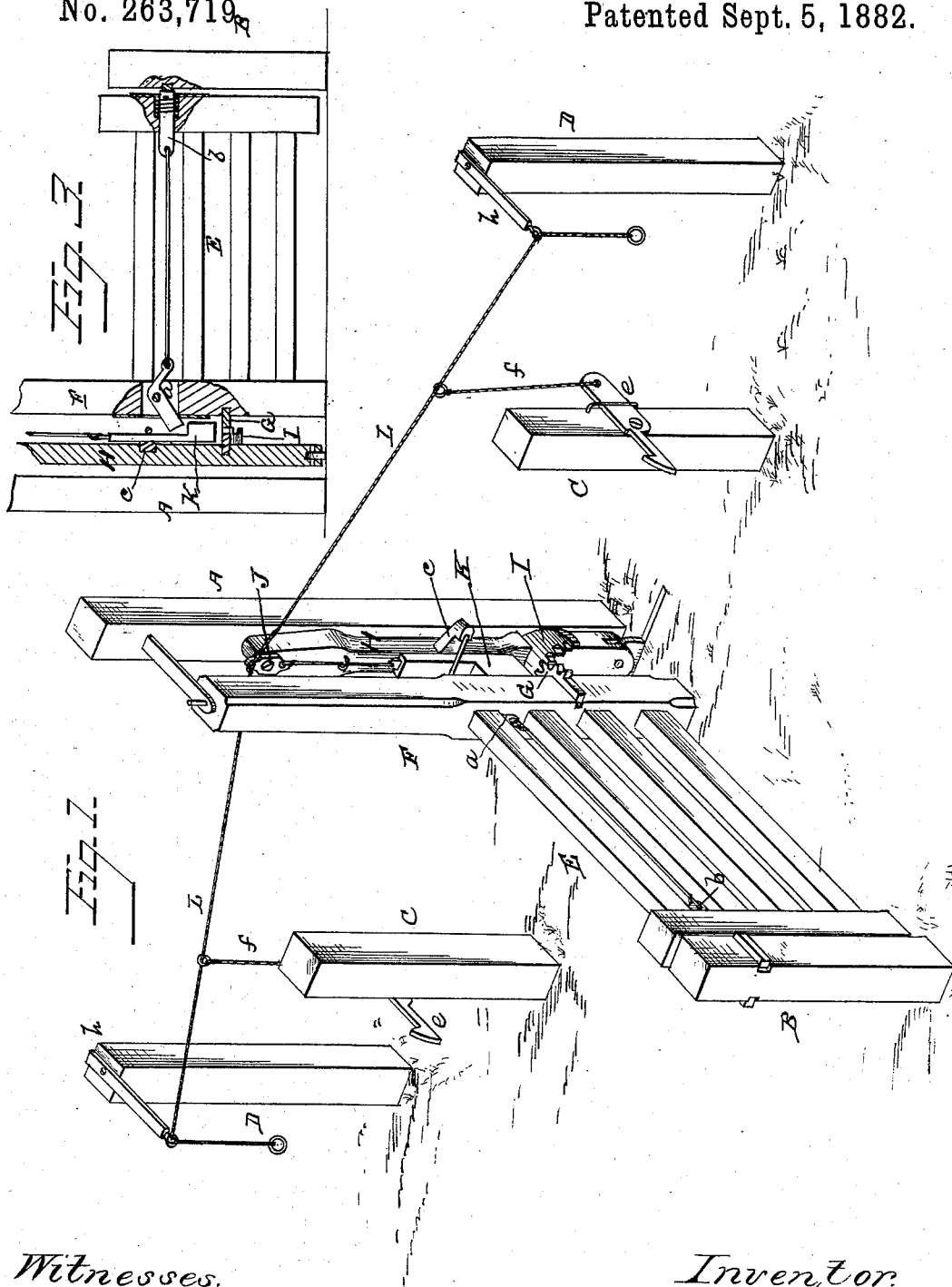
2 Sheets—Sheet 1.

J. S. PECK.

GATE.

No. 263,719

Patented Sept. 5, 1882.



Witnesses.  
Emory H. Bates.  
Wm C. McGill, Jr.

Inventor.  
Joseph Smith Peck  
By Edw. Mendenhall  
Attorney

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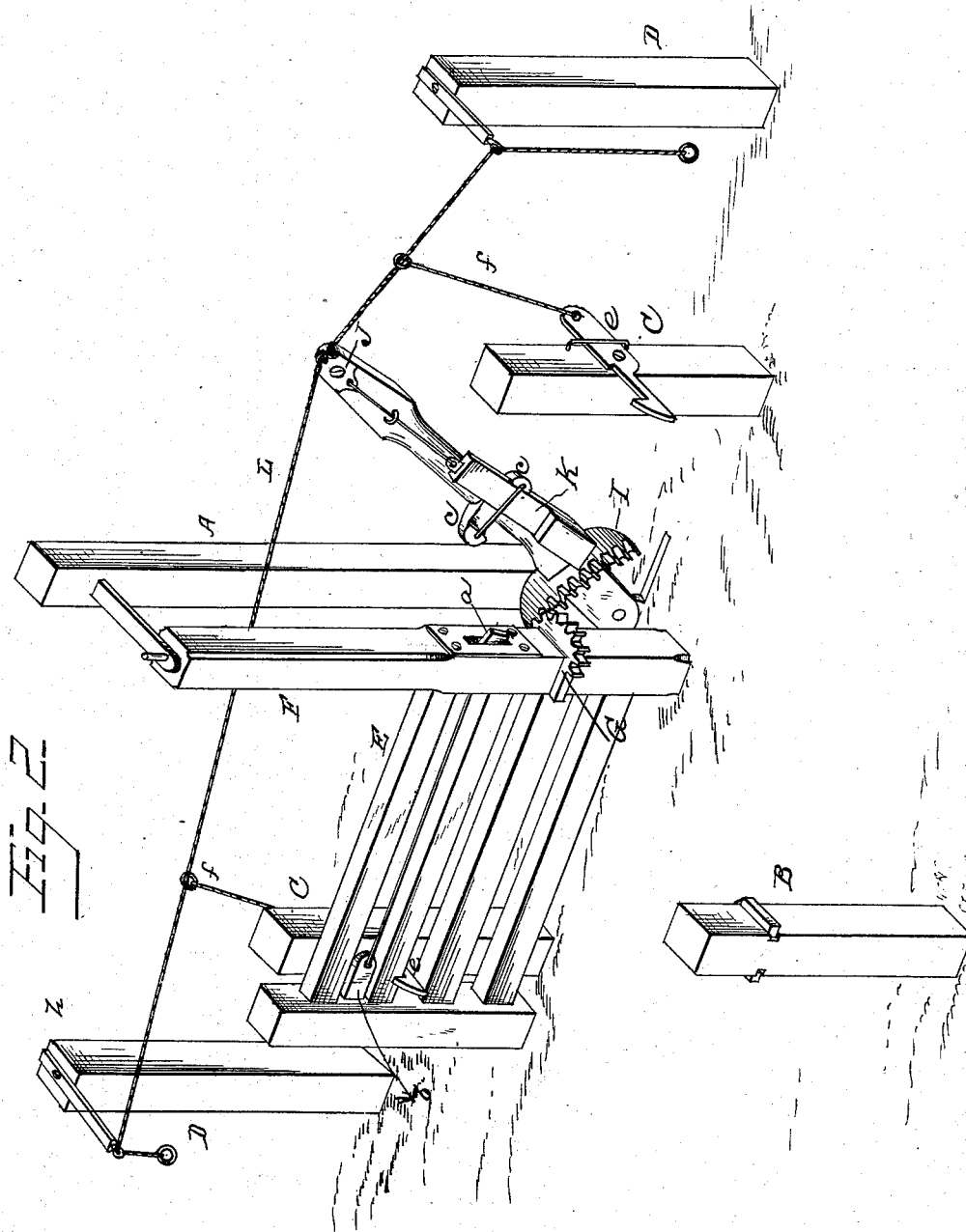
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By Edward M. Greenwood  
Attorney

# UNITED STATES PATENT OFFICE.

JOSEPH S. PECK, OF INDIAN VALLEY, CALIFORNIA.

## GATE.

SPECIFICATION forming part of Letters Patent No. 263,719, dated September 5, 1882.

Application filed June 16, 1882. (No model.)

*To all whom it may concern:*

Be it known that I, JOSEPH SMITH PECK, a citizen of the United States of America, residing at Indian Valley, in the county of Plumas and State of California, have invented certain new and useful Improvements in Gates, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to an improved mechanism for opening and closing gates without dismounting from horse or vehicle.

It consists in a swinging gate pivoted at one end at top and bottom, and having near the bottom of the rear upright a semicircular pinion which is operated by an upright lever pivoted at bottom and carrying a segmental ratchet meshing into and operating the pinion on the rear of the gate, and in certain details of mechanism, to be hereinafter more fully described, rendering it capable of being opened and closed from either side by passers on horseback or in a vehicle.

In the drawings, wherein the same parts are represented by like letters in the several figures, Figure 1 is a perspective view of the gate when closed. Fig. 2 represents the same open. Fig. 3 is a side view, part section, of the actuating mechanism.

A is the rear gate-post, and B the front post, and C C are the near and D D the far outposts, which are placed at the same side of the road as the rear post, A. The near outposts, C, are provided with catches *e* to hold the gate open, and the far outposts, D, have arms *h* projecting toward the road and in easy reach of the passenger, to receive and hold the cord or wire which opens and closes the gate.

E is the gate, consisting of front and rear uprights and cross-bars. The rear upright, F, which supports the gate, is pivoted at top and bottom, and has near its base the semicircular pinion G, and in an opening below the top bar is a curved lever, *a*, connected by a wire with the front latch, *b*, held in a similar opening in the front upright.

Midway between the gate and the rear post, A, is the lever H, pivoted at the bottom, and having the segmental ratchet I, meshing into

and operating the pinion G on the gate. At the top of this lever is pivoted the swivel J, held in upright position by the suspended weight K. The weight K is hollowed out on top to engage with and lift the curved lever *a*, and by it retract the latch *b*, which latch and lever are each controlled by a spring or other equivalent means. An arm, *c*, provided with a loop, prevents weight K swinging out of position.

To the top of swivel J are attached wires or cords L, which pass through rings or staples in the arms on outposts D, and serve to open and close the gate. The inposts C are provided with latches *e* to hold the gate open, and short cords or wires *f* extend from them to the cords or wires L, having rings at the end, through which wires L pass freely, and as the outposts are considerably higher than the inposts the short cords extending from the latches to the opening-wires will be lifted and raise the latches and release the gate when the wires L are drawn on.

The operation is as follows: We will suppose the gate to be closed. When approached by a passenger in vehicle or on horseback he grasps the ring on end of wire L, hanging from arm of outpost D, and pulls gently and steadily. The swivel J turns, lifting the weight K, which engages with and lifts lever *a*, and through it and the connecting-wire retracts the latch *b* and sets the gate free. At the same time the lever H is drawn over toward the operator, and the segmental ratchet thereon, engaging with the semicircular pinion on the gate, turns the gate upon its pivot, swinging it until it strikes against the near outpost, C, where it is caught by the automatic catch *e* and held open. Having passed through the gate, in order to close it he pulls on the opposite cord or wire, L, and as it rises to a horizontal position it lifts the catch by its short cord, and at the same time reverses the upright lever H, which swings the gate shut, where it is held by the catch *b*.

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

1. The combination of the wires L, swivel J, and the weight K with the lever *a* and the

latch *b*, constructed and operating substantially as described.

2. The combination of the wires *L* with the catches *e* through the short cords *f*, the lever  
5 *H*, provided with the swivel *J* and ratchet *I*, and the gate *E*, having the pinion *G*, for the purpose of closing the gate when open.

In testimony whereof I affix my signature in presence of two witnesses.

JOSEPH SMITH PECK.

Witnesses:

T. F. EMMONS,

H. WILLIAMS.