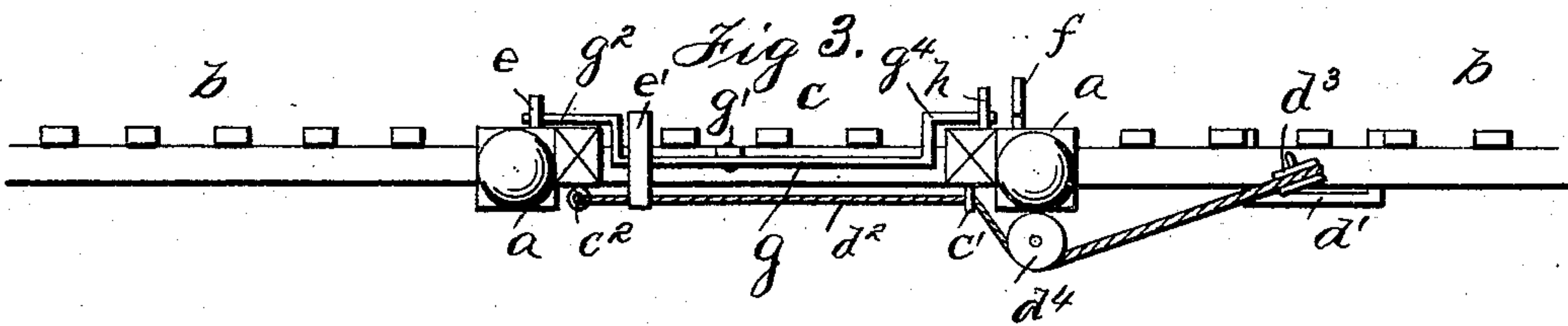
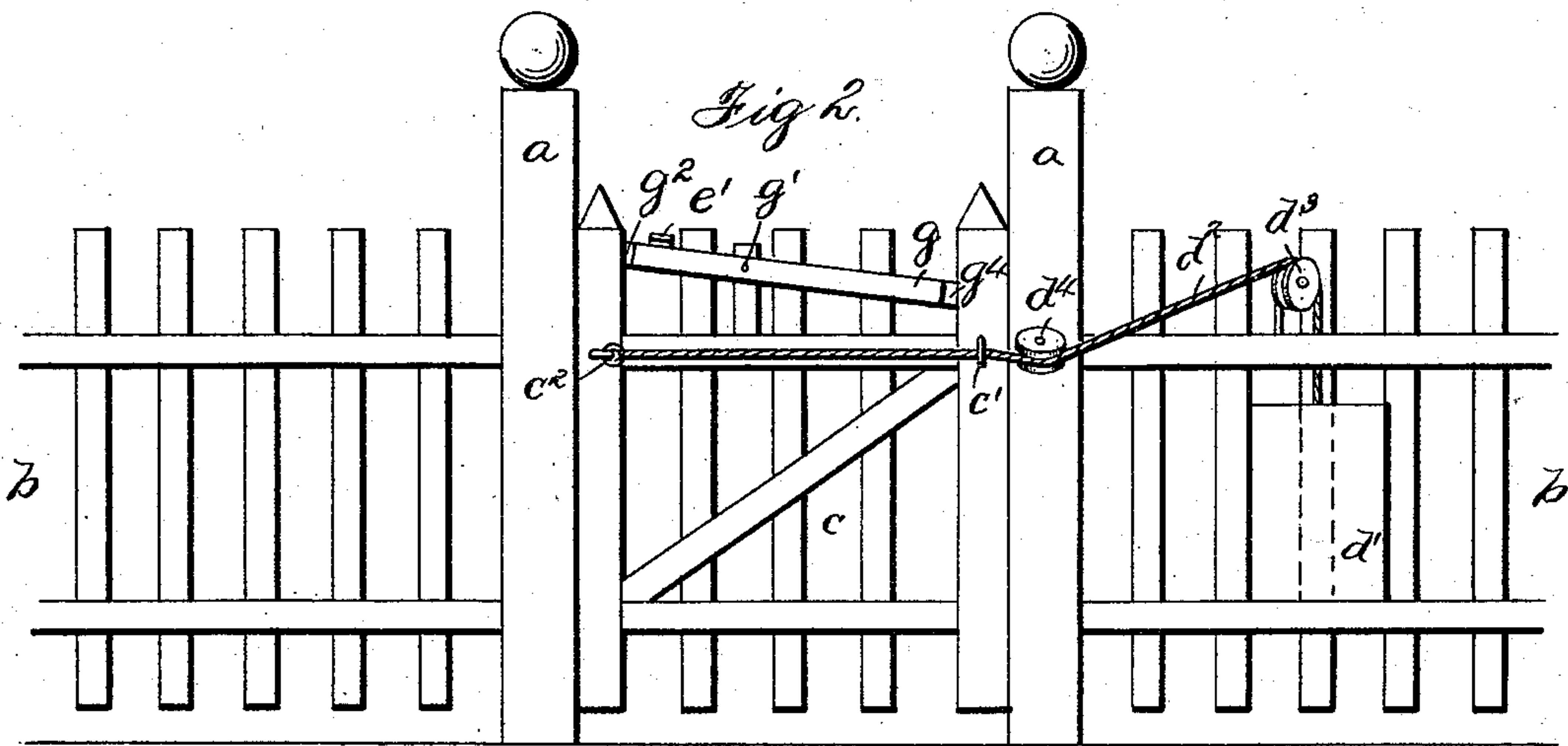
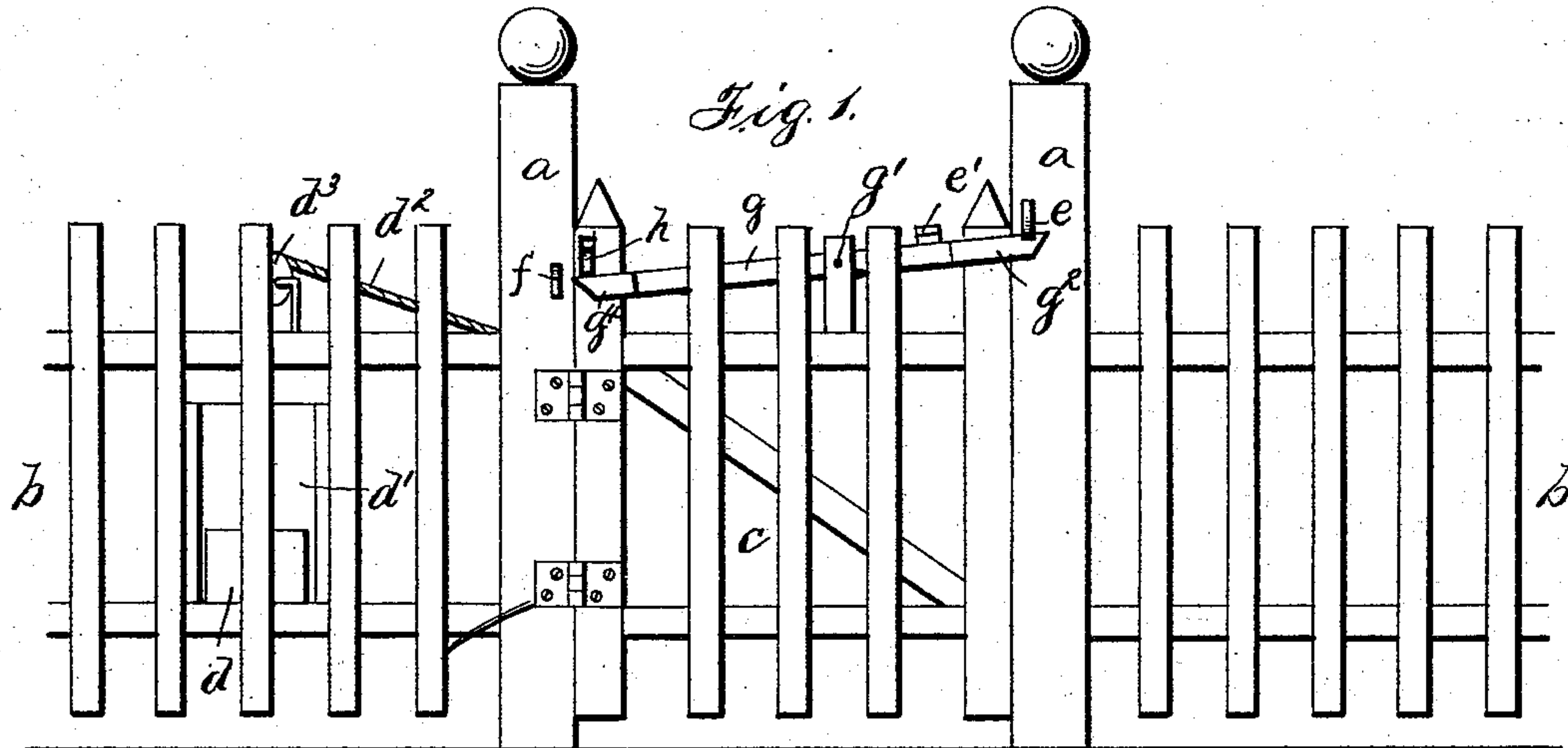


(No Model.)

H. S. SHERMAN.  
GATE.

No. 543,406.

Patented July 23, 1895.



Witnesses:  
Edallan Duffy  
Hubert Peck

Inventor:  
H. S. Sherman  
per O. E. Duffy  
Attorney



# UNITED STATES PATENT OFFICE.

HENRY S. SHERMAN, OF DANVILLE, ILLINOIS.

## GATE.

SPECIFICATION forming part of Letters Patent No. 543,406, dated July 23, 1895.

Application filed April 11, 1895. Serial No. 545,270. (No model.)

*To all whom it may concern:*

Be it known that I, HENRY S. SHERMAN, of Danville, in the county of Vermilion and State of Illinois, have invented certain new and useful Improvements in Gates; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form part of this specification.

This invention relates to certain improvements in gates.

The object of the invention is to provide a swinging gate with simple, efficient, and improved mechanism for locking the gate in either the closed or the open position.

A further object of the invention is to provide a swinging gate with a weight-closing mechanism and with a latch to lock the gate and with additional latch to hold the gate in the open position, said last-mentioned latch operated by the first-mentioned latch.

The invention consists in certain novel features of construction and in combinations and arrangements of parts, more fully and particularly described and pointed out hereinafter.

Referring to the accompanying drawings, Figures 1 and 2 are elevations, respectively, of opposite sides of the gate. Fig. 3 is a top plan.

In the drawings, *a a* are the two gate-posts. *b* is the fence.

*c* is the gate hinged to one of the posts.

*d* is the closing-weight moving in suitable guides *d'* and connected with the gate by flexible connections *d<sup>2</sup>*, passing over the upright pulley *d<sup>3</sup>* and horizontal pulley *d<sup>4</sup>*, secured to the gate-post and through eye *c'* at the inner edge of the gate, and from thence along the gate to the front bar thereof where said connection is secured at *c<sup>2</sup>*. By this peculiar arrangement the gate is quickly and easily swung closed.

*e* is the catch extending from the inner face of the post at the free edge of the gate. This catch is notched on its under side.

*f* is the catch extending from the corresponding side of the other gate-post and notched usually on its upper side.

*g* is a lever fulcrumed between its ends to the gate at *g'*, and extending along the gate so as to project beyond the opposite edges thereof. One end of this lever is bent later-

ally, so as to engage and lock with the catch *e*, and thereby form a lock to hold the gate closed, the opposite end of the lever being heavier than this locking end *g<sup>2</sup>*, so that the said end *g<sup>2</sup>* is held up into the notch of the catch *e*.

In order to unlock the gate the end *g<sup>2</sup>* of the lever must be pressed down out of engagement with the catch *e*. This can be done by bearing down on the handle *e'*.

The inner edge of the gate has a latch *h* pivoted thereto and extending downwardly therefrom and arranged at its free end to ride upon catch *f* and drop into the notch thereof and hold the gate open. The end *g<sup>4</sup>* of the lever *g* extends beneath the latch *h*, so as to raise the latch from the catch *f* when the end *g<sup>2</sup>* of the lever is depressed. It will thus be seen that the gate will automatically lock itself in either position by the employment of a most simple, efficient device.

It is evident that various changes might be made in the forms, arrangements, and constructions of the parts described without departing from the spirit and scope of my invention. Hence I do not wish to limit myself to the exact construction herein set forth, but consider myself entitled to all such changes as fall within the spirit and scope of my invention.

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

1. The swinging gate, the two gate posts having catches, a rocking lever fulcrumed between its ends to the gate and extending the length thereof with one end arranged to engage the catch at the free end of the gate and the other end of the lever engaging a latch co-operating with the catch at the opposite end of the gate.

2. The gate having the lever fulcrumed between its ends, the front end of the lever extended outwardly to form a latch to hold the gate closed, and a transverse latch pivoted at the inner end of the gate over the inner end of said lever so that the parts operate in the manner and for the purpose set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

HENRY S. SHERMAN.

Witnesses:

JOHN MCMAHON,  
EDWARD LAFFERTY.