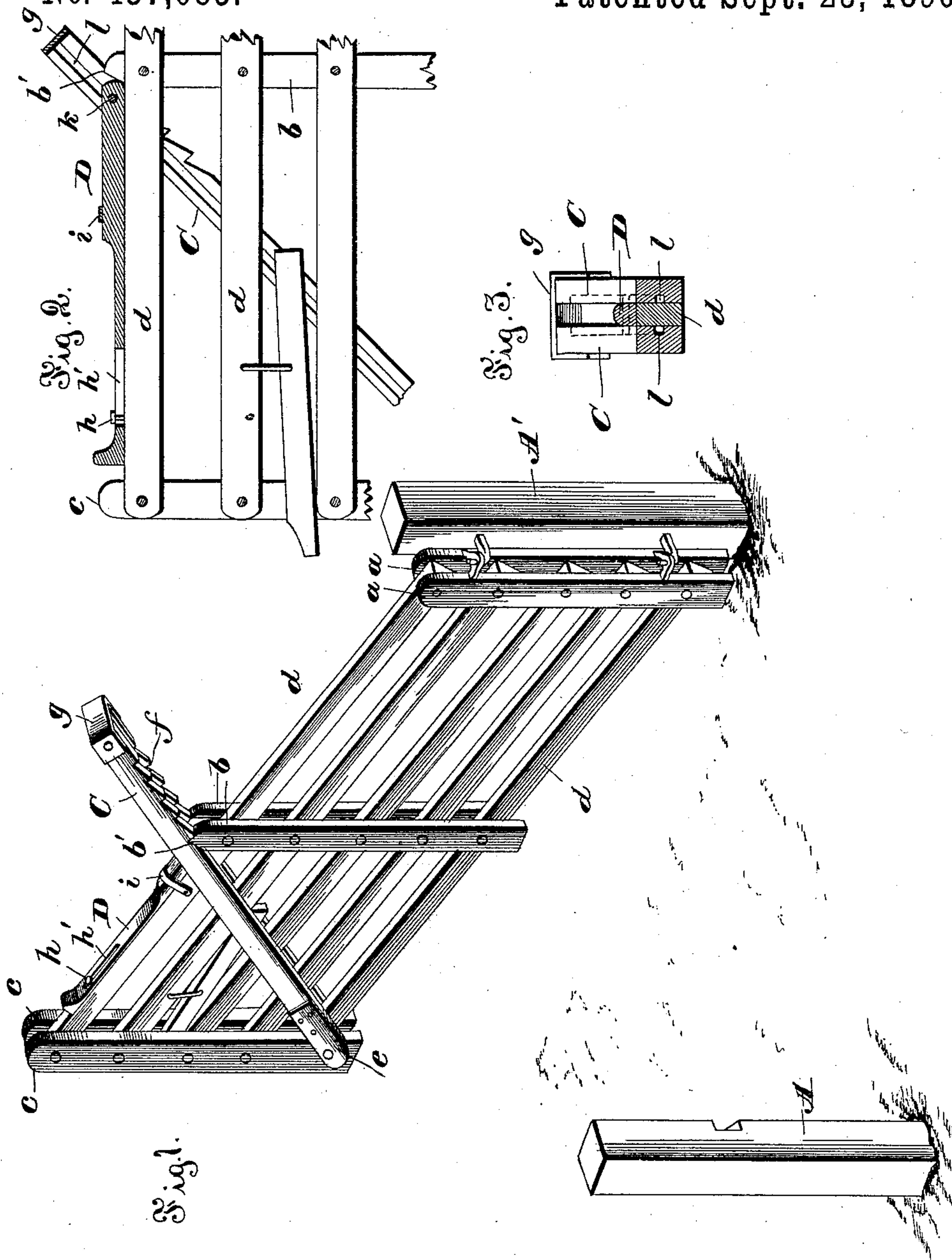


(No Model.)

E. H. BOYCE.
GATE.

No. 437,085.

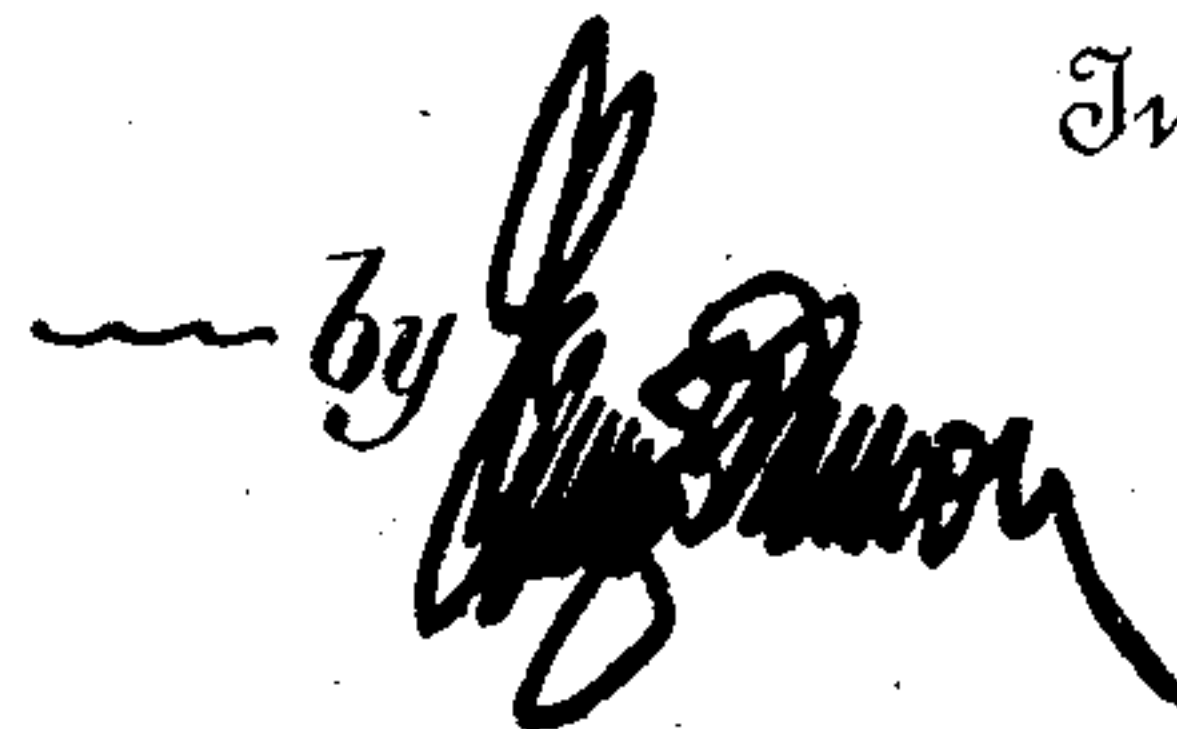
Patented Sept. 23, 1890.



Elias H. Boyce.

Inventor

Witnesses
John J. Smith
W. Johnson

by  Attorney

UNITED STATES PATENT OFFICE.

ELIAS H. BOYCE, OF CANANDAIGUA, NEW YORK.

GATE.

SPECIFICATION forming part of Letters Patent No. 437,085, dated September 23, 1890.

Application filed July 17, 1890. Serial No. 359,009. (No model.)

To all whom it may concern:

Be it known that I, ELIAS H. BOYCE, a citizen of the United States of America, residing at Canandaigua, in the county of Ontario and State of New York, have invented certain new and useful Improvements in Gates; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as 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 letters of reference marked thereon, which form a part of this specification.

This invention relates to improvements in gates.

The object of the invention is to provide a swinging gate with means whereby the front or free end thereof can be readily raised so as to permit the same to be operated when snow is upon the ground or allow small animals to pass under the gate, the device also rendering the gate to a certain extent self-closing; and it consists in the construction and combination of the parts, as will be hereinafter fully set forth, and particularly pointed out in the claims.

In the accompanying drawings, forming part of this specification, Figure 1 is a perspective view of a swinging gate, showing my invention applied thereto. Fig. 2 is a side view partly in section and broken away. Fig. 3 is a sectional view.

A and A' refer to the gate-posts located on each side of the gateway. To the post A' vertical and parallel battens *a a* are secured by means of hinges, as shown, these vertical battens also forming a part of the gate.

The gate proper consists of the vertical battens *a a*, *b b*, and *c c*, between which are bolted the rails *d*, so as to be pivotally connected thereto. The upper ends of the battens *b b* are beveled, as shown at *b'*, and to the lower front end of the gate are pivotally attached, by means of straps *e e*, the lower ends of bars *C C*, the upper edges thereof being provided with notches *f f*. The ends of these bars are connected to each other by a strap *g*.

D refers to a sliding bar, which is secured upon the upper rail of the gate by means of the headed pin *h*, which passes through the slot *h'*, the other end of this sliding bar being

held in place upon the rail by a loop *i*, as shown. Through the sliding bar D passes a transverse pin *k*, which engages with recesses *l l*, formed in the bars *C C*, so that by moving the sliding bar toward the front end of the gate the pivoted bars *C C* will be raised to release the catches formed thereon from the beveled ends *b'* of the battens *b b*, thus permitting the front end of the gate to be elevated. By moving the sliding bar D the bars *C* may be readily thrown in and out of engagement, and the operator, being at the front of the gate, can readily raise or lower the same. The notched bars *C C* will be held in engagement with the upper ends of the battens *b b* by gravity.

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

1. In combination with a gate constructed substantially as shown, the rails thereof being pivoted to the vertical battens, parallel bars *C C*, pivoted to the forward lower end of the gate and provided with notches *f* for engagement with the upper ends of the central battens of the gate, said bars being grooved on their inner sides, a sliding bar D, secured to the upper rail of the gate and provided with projections which engage with the recesses formed in the inner sides of the bars *C C*, substantially as shown, and for the purpose set forth.

2. In combination with a gate constructed substantially as shown and provided with central battens which are beveled at their upper ends, parallel bars *C C*, having straps *e* for pivotally securing the same to the front lower portion of the gate, a strap *g* for holding the upper ends of said bars together, and a sliding bar secured to the upper rail of the gate and adapted to engage with the bars *C C*, so that when the same is moved the bars *C* can be thrown in or out of engagement with the upper ends of the battens *b b*, substantially as shown, and for the purpose set forth.

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

ELIAS H. BOYCE.

Witnesses:

E. W. GARDNER,
A. B. SACKETT.