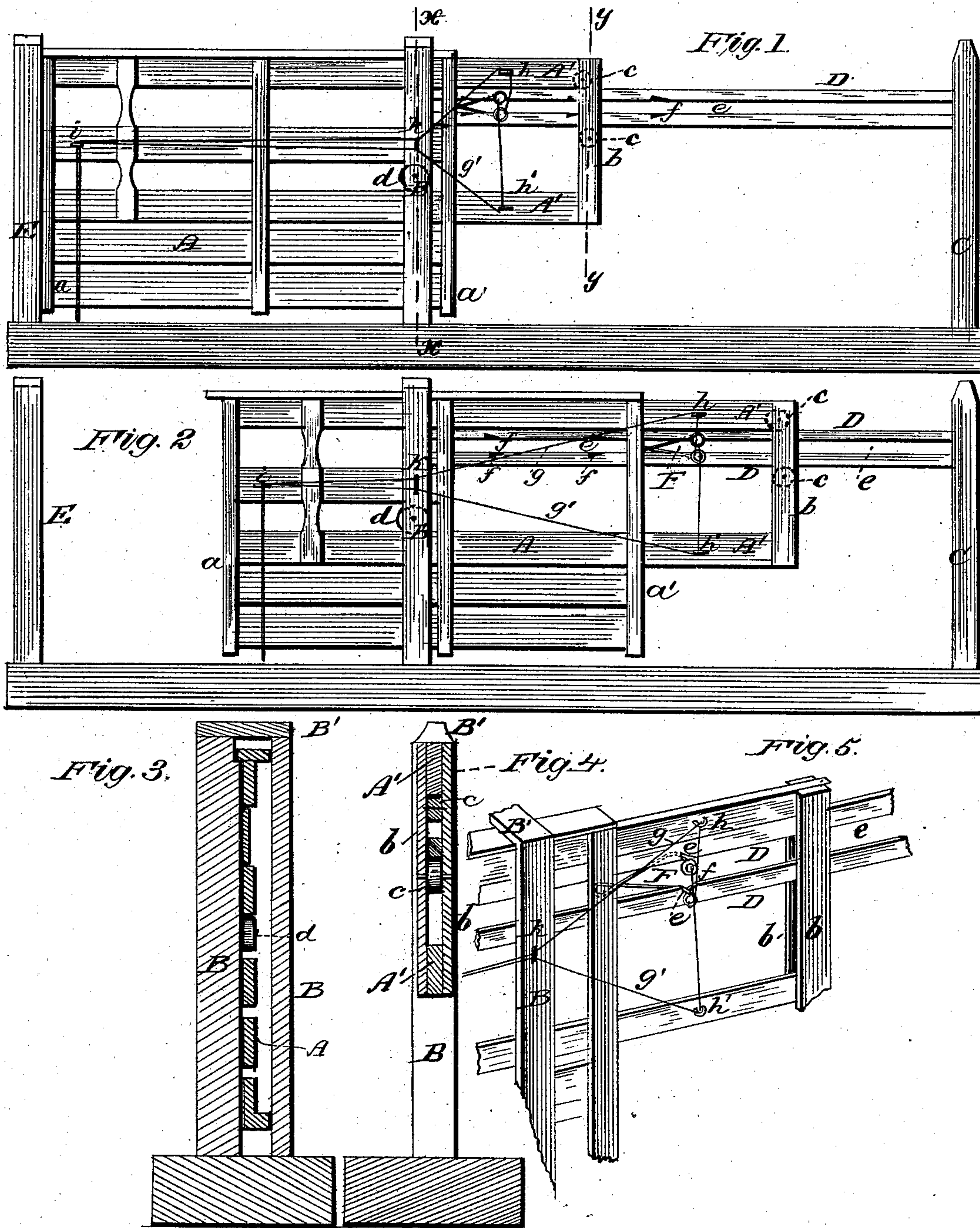


A. F. MILLER.  
Sliding-Gate.

No. 225,295.

Patented Mar. 9, 1880.



Witnesses  
Fred G. Dietrich  
Joseph T. Power.

Inventor  
Andrew F. Miller  
by Louis Baggerly  
attorney



# UNITED STATES PATENT OFFICE.

ANDREW F. MILLER, OF CEARFOSS, MARYLAND.

## SLIDING GATE.

SPECIFICATION forming part of Letters Patent No. 225,295, dated March 9, 1880.

Application filed November 15, 1879.

*To all whom it may concern:*

Be it known that I, ANDREW F. MILLER, of Cearfoss, in the county of Washington and State of Maryland, have invented certain new and useful Improvements in Sliding 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, which form a part of this specification, and in which—

Figure 1 is a side elevation of my improved gate closed. Fig. 2 is a similar view, showing it partially opened. Figs. 3 and 4 are vertical sections taken through lines *xx* and *yy*, respectively; and Fig. 5 is a detail view of the gate locking and unlocking mechanism.

Similar letters of reference indicate corresponding parts in all the figures.

This invention has relation to sliding gates; and it consists in the improvement hereinafter fully described, and particularly pointed out in the claim.

In the drawings, A is the gate, which may be of any suitable construction, and is provided with the end pieces, *a a'*. Two of the slats of the gate, denoted by *A' A'*, extend through and back of the rear end piece, *a'*, their ends being united by two vertical slats, *b b*, between which are journaled the rollers *c c*.

*B B* are two uprights, between which the gate slides, and which are connected on top by a cross-head, *B'*. *C* is a post set back of the parallel uprights *B B*, and connected thereto by a slotted rail, *D*, the end post, *E*, uprights *B*, and post *C* being all in a line with each other.

Between the parallel uprights *B B* is jour-

naled a roller, *d*, upon which one of the gate-slats rides in opening or closing the gate; and the rail *D* passing between the two rollers *c c*, it follows that the gate is supported solely by the slat or rail *D* and roller *d*, so that it will slide free of the ground, both in opening and closing.

The locking device consists of a bifurcated spring, *F*, which is secured upon the rear end slat, *a'*, with its ends projecting into the slot *e* in the rail *D*. This slot is provided with a double series of notches, *f f*, so that as the gate slides upon rail *D*, in opening or closing, the bifurcated ends of spring *F* will slip into these notches, and thereby hold the gate firmly in place in any given position. To release the spring, two cords, *g g'*, may be employed, the ends of which are fastened in opposite ends of spring *F*, and pass through staples *h h'* and *k i* to the front part of the gate, so that by pulling these cords the ends of spring *F* are released, and the gate may be slid forward or backward to open it or close it at will.

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

The combination, with the sliding gate *A A' A' b b* and horizontal slotted guide-rail *D*, having notches *f f*, of the bifurcated locking-spring *F* and its operating-cords *g g'*, substantially as and for the purpose herein shown and specified.

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

ANDREW F. MILLER.

Witnesses:

LOUIS BAGGER,

GEORGE F. GRAHAM.