

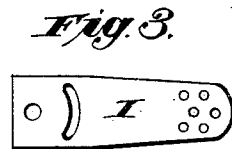
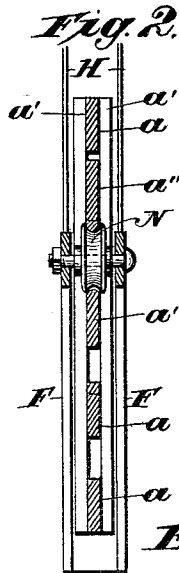
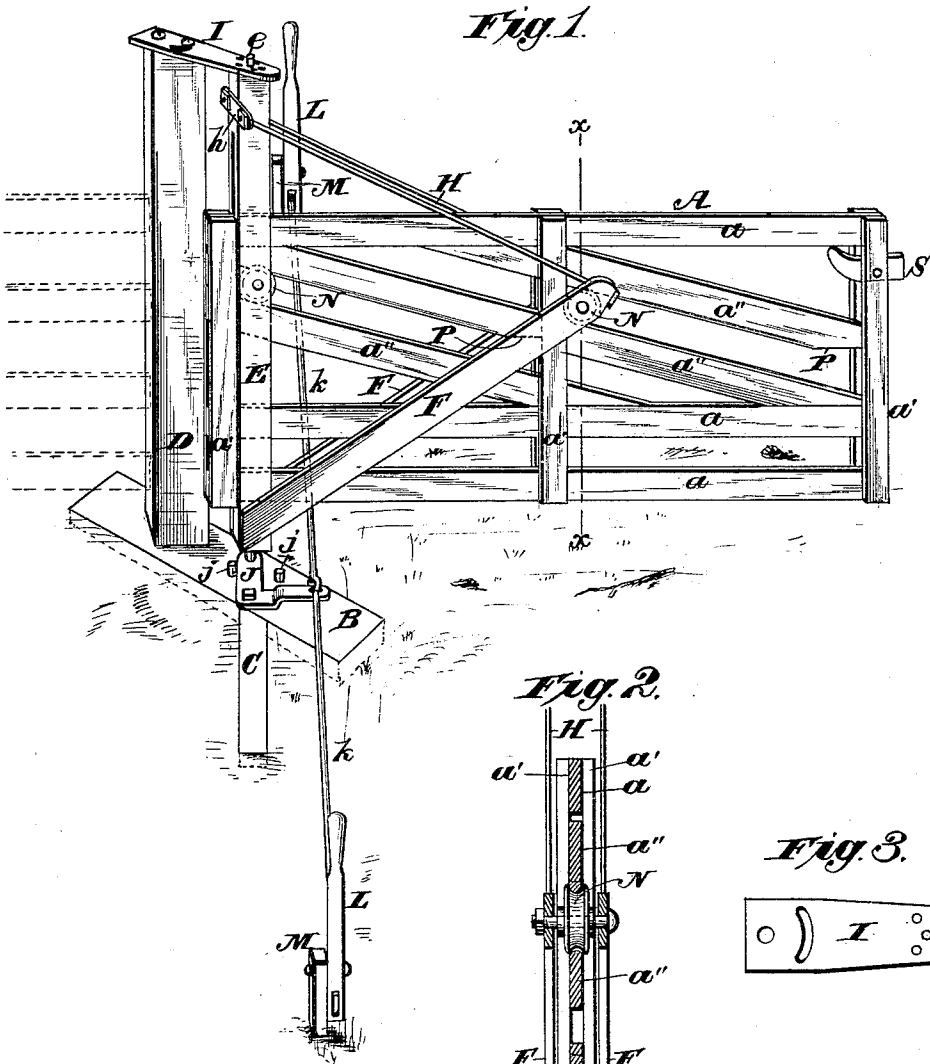
(No Model.)

E. E. HUNT.

GATE.

No. 318,430.

Patented May 19, 1885.



Witnesses.

Robert Courtt.

J. A. Rutherford

Inventor.

Eugene E. Hunt.

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Atty.

UNITED STATES PATENT OFFICE.

EUGENE E. HUNT, OF BETTSVILLE, OHIO.

GATE.

SPECIFICATION forming part of Letters Patent No. 318,430, dated May 19, 1885.

Application filed September 18, 1884. (No model.)

To all whom it may concern:

Be it known that I, EUGENE E. HUNT, a citizen of the United States, residing at Bettsville, in the county of Seneca and State of Ohio, have invented new and useful Improvements in Fence-Gates, of which the following is a specification.

My invention relates to that class of gates that are called "automatic," or capable of being opened and closed by a person when in a carriage or wagon or on a machine or on horseback.

The object of my invention is to combine in a fence-gate the several advantages of gates that can be opened and closed by levers and connecting devices; that may be raised up by opening them half-way to clear snow and other obstructions and then swing open; that may be partially opened and retained in that position for stock to pass through; and, finally, that may be arranged to let small stock through and at the same time retain large stock.

The invention consists in the construction and arrangement of devices, which will be hereinafter more fully described, and then set forth in the claims.

In the drawings, Figure 1 is a perspective view of a gate constructed according to my invention. Fig. 2 is a cross-section of the gate, taken through the line *xx* of Fig. 1. Fig. 3 is a detail view of the adjustable cap pivot-plate.

The letters B and C designate mud-sills embedded in the ground in such a position as to support the gate A. In the sills a post, D, is framed so as to stand perpendicular, to one side of which the fence is attached.

E is a skeleton post, pivoted above, at *e*, to an adjustable pivot cap-plate, I. This forms a cap on the post D, to which it is secured by two bolts, the one in a hole in the plate and the other in an adjusting-slot; and the lower end of the skeleton post E is pivoted to an angular arm, J, which has a slight movement of oscillation between two pins, *j j*. To the foot of this skeleton post E are secured two braces, F F, which intersect with two iron-rod braces, H H, the upper ends of which are secured at the top of the post E by means of a strap, *h*, and adjusting-nuts on their ends.

A is a gate constructed of longitudinal horizontal slats *a a a* and vertical slats *a' a' a'*, secured together by means of bolts, pins, or

clinck-nails, the central portion of the gate being filled in with inclined brace and track slats *a'' a'' a''*. The gate A is designed to slide freely through the skeleton post E and between the braces F F and H H, and is supported on concave-faced rollers N N, which run on the edges of the track-slats *a'' a'' a''*, the edges of which, in the best class of work, I design to face with strips of half-round iron.

The horizontal or oppositely-inclined portions P P on the track-slats *a'' a''* are designed to form a stop for the rollers N N, to retain the gate A in a half-open position.

S is an ordinary pivoted latch.

The angular arm J, pivoted to the mud-sill B, has attached to its longer arm two rods, *k k*, extending out in opposite directions, to the ends of which are pivoted levers L L, attached to posts M M, by means of which the angular arm J may be operated.

The operation of the levers L L throws the pivoted post E out of a perpendicular line, raises the front end of the gate, disengages the latch S, and the gate swings open, and by the reverse movement of the lever L the gate is in like manner made to swing shut, the two pins *j j* preventing the angular arm J from moving too far in either direction.

For small stock I design to shove the gate open about one-fourth, and retain it in that position by a long hook or a bar from the gate to the post.

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

1. In a fence-gate, the combination of the skeleton post E, the upper pivot-plate, I, the lower angular pivot-plate, J, connecting-rods *k*, and levers L with the sliding gate fitted in the skeleton post, fixed post D, and base-sill B, substantially as described.

2. In a fence-gate, the combination of the gate-frame having oblique track-rails and the skeleton post E, carrying converging braces F and H, and the roller N, arranged at the junction of said braces with the main post D, and pivot-plates I and J, substantially as described.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

EUGENE E. HUNT.

Witnesses:

JOSEPH N. CLOUSE,
C. S. CURTIS.