H. RECHER.
Farm-Gate.

No. 196,101. Patented Oct. 16, 1877.

Fig. I

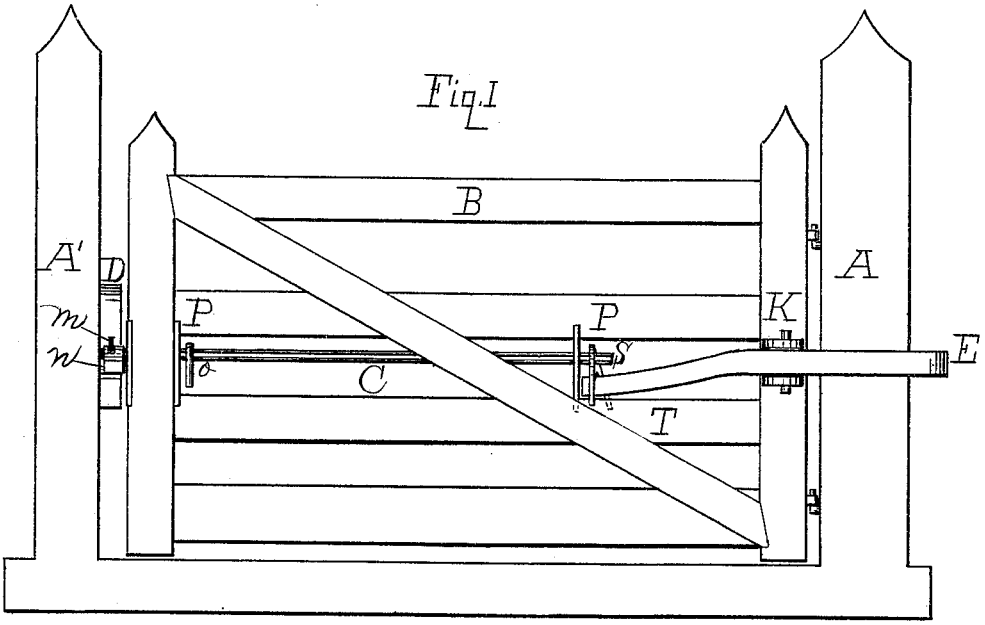
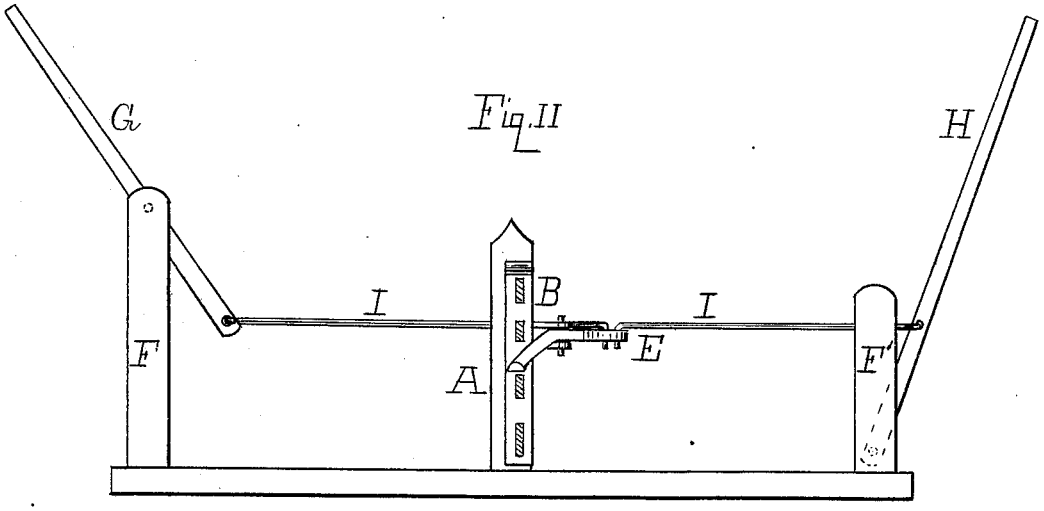


Fig. II



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UNITED STATES PATENT OFFICE.

HENRY RECHER, OF LIBERTY, OHIO.

IMPROVEMENT IN FARM-GATES.

Specification forming part of Letters Patent No. **196,101**, dated October 16, 1877; application filed August 25, 1877.

To all whom it may concern:

Be it known that I, HENRY RECHER, of Liberty, in the county of Montgomery and State of Ohio, have invented a new and useful Improvement in Farm-Gates, which improvement is fully set forth in the following specification and accompanying drawings, in which—

Figure I is a side view of the gate. Fig. II is a view of the same at a right angle to that of Fig. I, illustrating the rods and levers for operating the gate.

The object of my invention is to open and close an ordinary farm-gate by the use of an oscillating rod carrying a pivotal latch, the same being operated by rods connected to a lever on the gate that produces the oscillation, and hand-levers, so situated that the gate can be conveniently handled from the back of a horse or a vehicle.

In the drawing, B represents the ordinary farm-gate, which is suspended by hinges from the post A. A′ is the opposite post, to which the catch D is attached. F F are posts to support and protect the hand-levers G and H. These posts are set on a line with the hinged post. The several posts are firmly embedded in the ground. The catch is notched, and a part extends above the notch to arrest the movement of the gate as it is being closed. The plates P P are secured between the boards of the gate, and through them are orifices, which form a bearing for the oscillating rod C. At the rear end is a forked arm, S, attached, which embraces the end of the lever E, and the ends extend below the upper edge of the board, and this arrangement accomplishes a twofold purpose—that of moving the latch and then moving the gate. This oscillating rod has a handle, *o*, for the convenience of those passing through on foot. The latch *n* is made of a plate of metal, or may be cast in form, it having an eye to embrace the end of the oscillating rod, and a lip, which, when the gate is closed, drops into the catch, and also a longitudinal slot. The pin *m* passes through this slot for the double purpose of holding the latch onto the oscillating rod and to limit the movement of the same. K is an arm attached to the rear rail of the gate, and to which the lever E is pivoted. The front end of this lever occupies the space within the forked arm, and at the rear the rods I I are attached. The other ends are attached to hand-levers G and H. The lever G is pivoted near the top of the post F, and the lever H is pivoted near the bottom of post F′. At Fig. II is illustrated the relation of the hand-levers to the gate-lever, and the arrangement of these parts with reference to the gate.

The operation may be described thus: A person approaching in a vehicle from the right will push forward the lever H. The effect is to first raise the latch, and thus open the gate fully. The vehicle having passed through the gate, the lever G is pushed in the direction of the moving vehicle, and the gate is thereby closed. Thus in approaching the gate from either direction, both in opening and closing, the levers are moved in the direction of the passing team.

What I claim as my invention is—

1. The oscillating rod C, latch *n*, handle *o*, and catch D, in combination with a farm-gate, constructed and arranged substantially as set forth.

2. The oscillating rod C, latch *n*, catch D, forked arm S, lever E, and hand-levers G and H, in combination with the gate B, substantially as described.

HENRY RECHER.

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