

(No Model.)

C. H. LITTLE.
LATCH.

No. 533,363.

Patented Jan. 29, 1895.

Fig. 1.

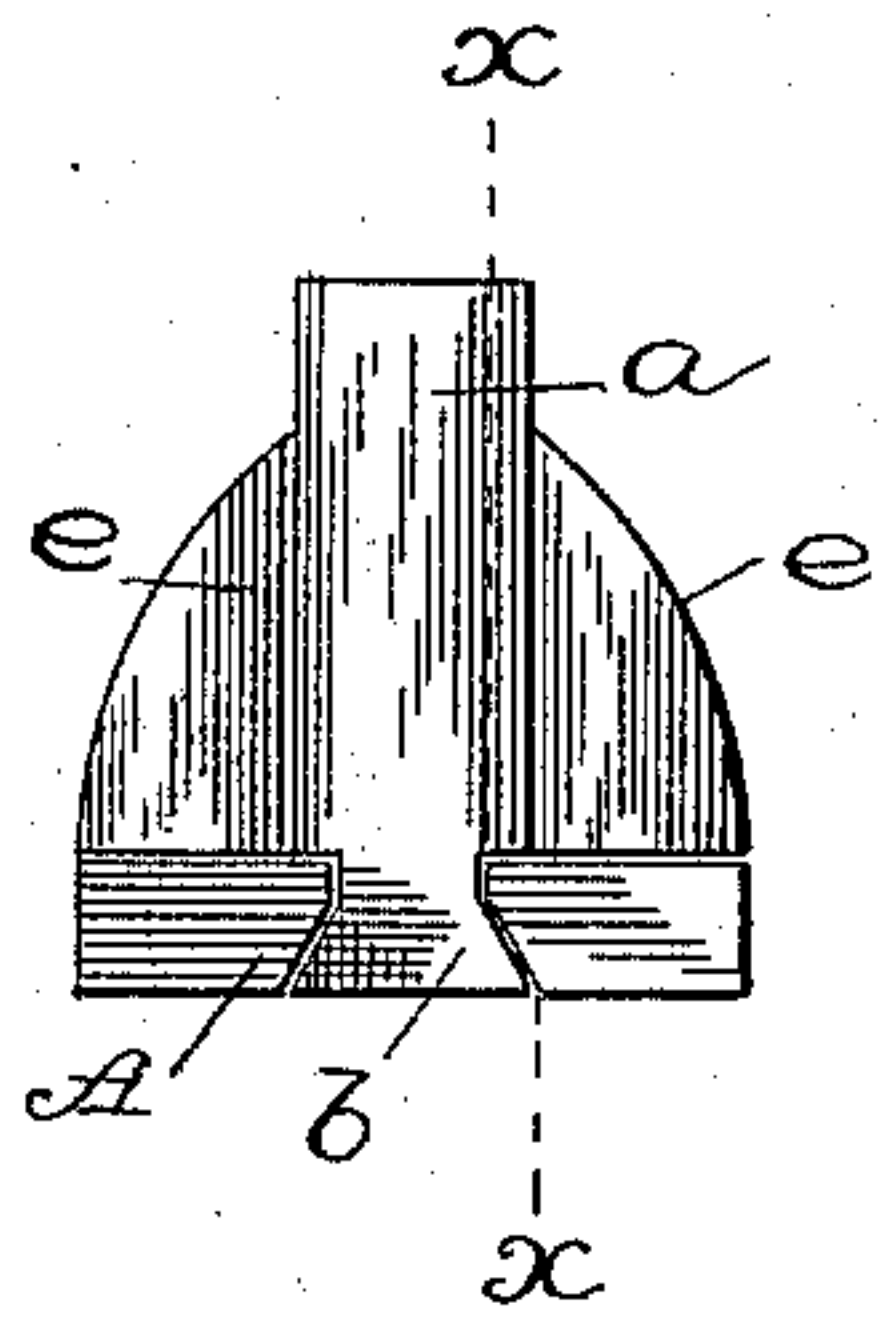


Fig. 2.

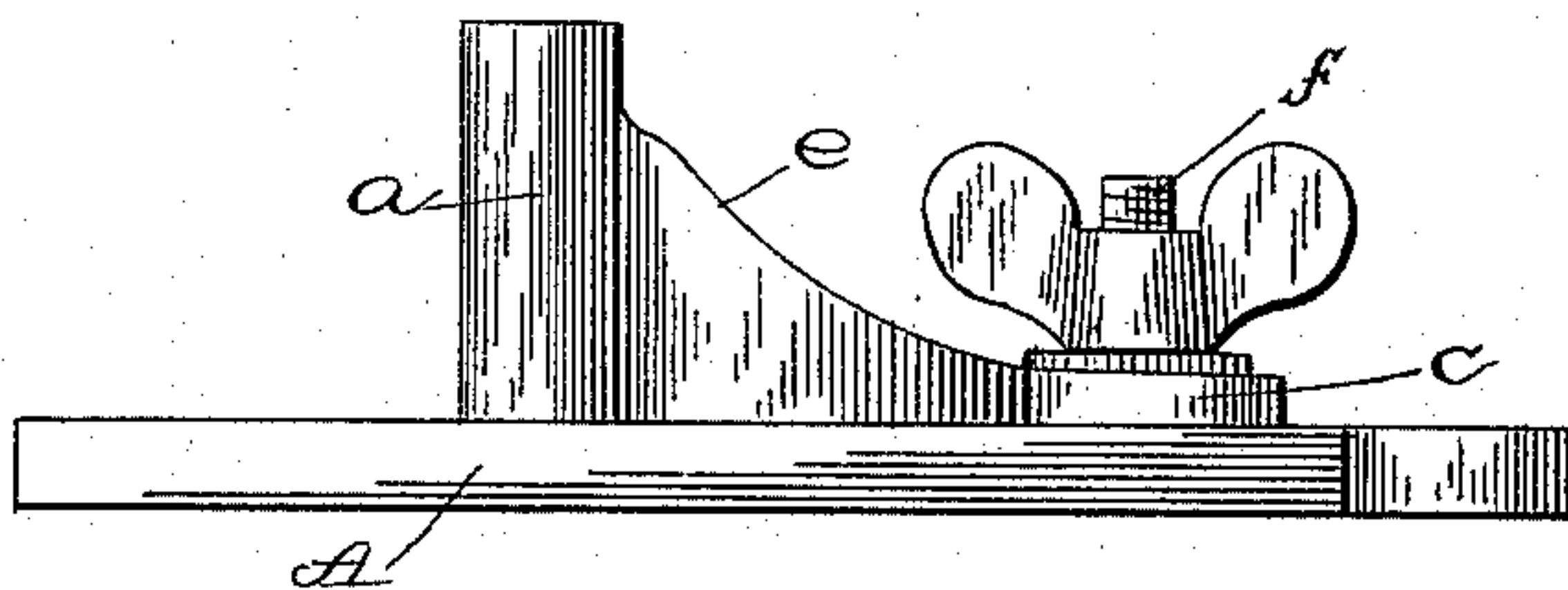


Fig. 3.

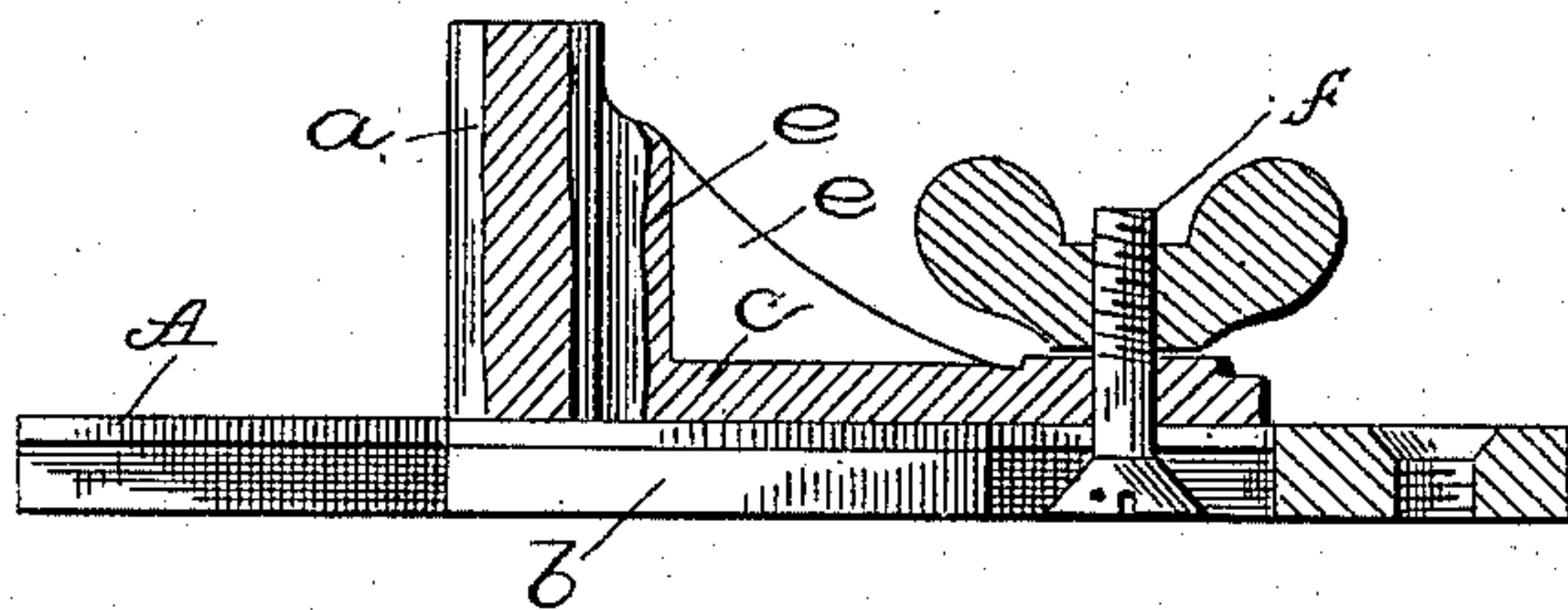
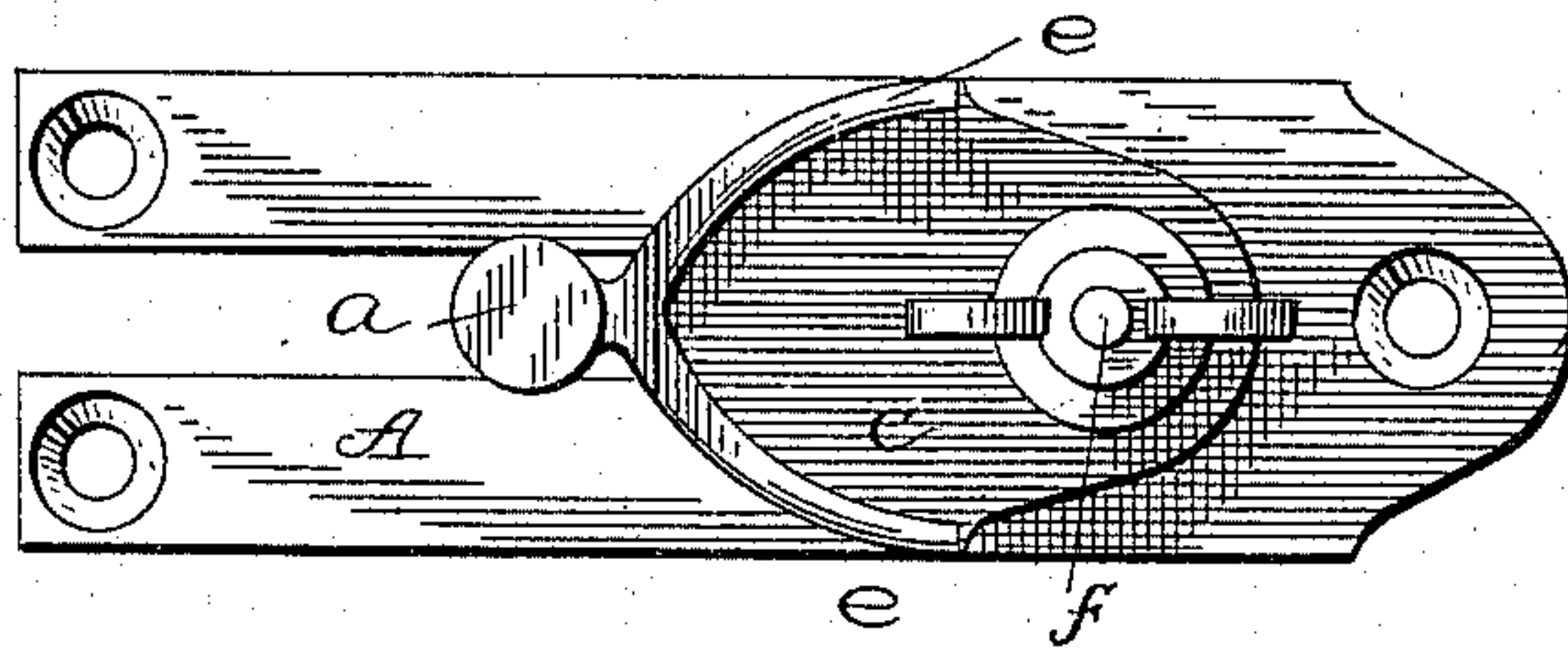


Fig. 4.



Attest
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UNITED STATES PATENT OFFICE.

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LATCH.

SPECIFICATION forming part of Letters Patent No. 533,363, dated January 29, 1895.

Application filed March 31, 1894. Serial No. 505,859. (No model.)

To all whom it may concern:

Be it known that I, CHARLES HARVEY LITTLE, a citizen of the United States of America, residing at Terre Haute, in the county of Vigo and State of Indiana, have invented certain new and useful Improvements in Latches, of which the following is a specification.

My invention is an improved adjustable latch for gates.

My object is to provide a simple and cheap article, adapted to be attached directly to the post by nails or screws. It is illustrated in the accompanying drawings, in which—

Figure 1, represents a front elevation of the device. Fig. 2, is a side elevation; Fig. 3, a transverse section on line $x-x$ of Fig. 1, and Fig. 4, is a plan view.

In the figures A represents a metal plate, having a dove-tail slot in the center open at one end to admit the spline of the latch. This is shown at b . It is on the back of the plate c which is arranged to slide on the plate A. On the upper end of the movable plate c is a horizontal stud a cast on the upper end of the plate c which, in the form shown, is rounded on each side, and provided with strengthen-
ings ribs e , which form a supporting bracket for the stud. In the lower end of the movable plate c , is a hole, for the reception of a threaded bolt f , the head of which fits in the dovetail groove, below the lower end of the dovetail spline. A thumb nut is provided on the outer end of the bolt, by turning which

the head may be jammed in the groove and the plate c , held in place. Reverse movement of the nut loosens the plate and allows the latch stud d to set at any required height. This construction permits of the accurate adjustment of the stud, either when it is first set or to accommodate it to any sagging of the gate.

The parts may be made very cheaply of malleable iron. Suitable holes m are made in the slotted plate for the nails or screws.

I claim—

In combination, a plate having a beveled slot therein, a movable plate having a rib fitting said slot, said rib being of less length than the movable plate, leaving a recess at one end thereof, a bolt passing through said movable plate and having a conical head fitting the recess adjacent to the end of the rib, and a thumb nut on the opposite end of the screw, said head adapted to contact with the sides of said slot to hold the movable plate in position, a stud extending from said movable plate and ribs e inclining downwardly from the stud to said plate, substantially as described.

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

CHARLES HARVEY LITTLE.

Witnesses:

J. E. GRIGGS,
ANNA TODD.