

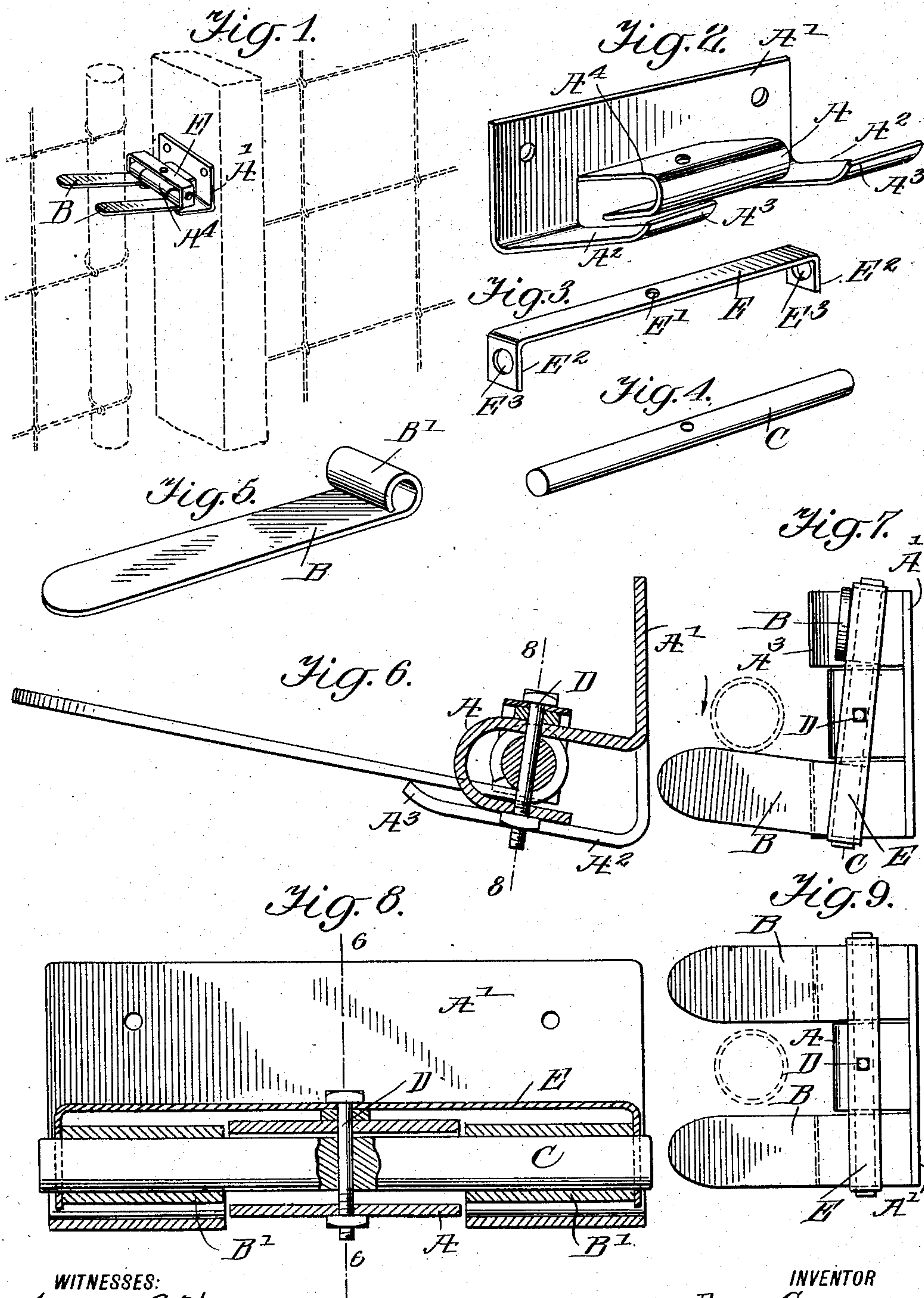
A. CLINE.

LATCH.

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To all whom it may concern:

Be it known that I, ALVA CLINE, a citizen of the United States, and a resident of Lima, in the county of Allen and State of Ohio, have invented certain new and useful Improvements in Latches, of which the following is a specification.

This invention is an improvement in gate latches and especially in latches designed for use in connection with gates proper which may be raised and lowered and opened to either side; and the invention consists in certain novel constructions and combinations of parts as will be hereinafter described and claimed.

In the drawing Figure 1 is a perspective view of the latch as in use. Fig. 2 is a detail perspective view of the body or case of the latch. Fig. 3 is a detail perspective view of the keeper bar. Fig. 4 is a detail perspective view of the pintle rod. Fig. 5 is a detail perspective view of one of the latch bars. Fig. 6 is a detail cross section on about line 6—6 of Fig. 8. Fig. 7 is a top plan view of the latch with one of the latch bars raised. Fig. 8 is a longitudinal section on about line 8—8 of Fig. 6. Fig. 9 is a top plan view of the latch with both latch bars down.

In carrying out the invention, the body or case A has an upright wing A' which may be secured to the gate post in any suitable manner and lateral wings A² project outwardly from the said wing A' and are partly up-turned at their outer edges at A³ to form stops for the latch bars B when the latter are lowered, as shown in Figs. 1, 6 and 9. A loop or clip A⁴ projects forwardly from the upright wing A' of the body or case A and receives the pintle rod C which, in practice, is secured midway its ends to the loop or clip by the bolt D passing through the clip A⁴ and the pintle rod and securing the pintle rod in place and also permitting the same to rock on the said bolt D as a pivot as will be understood on comparing Figs. 7 and 9 of the drawing. The bolt D also secures the keeper bar E which has a central opening E' receiving the said bolt and has at its ends flanges E² with openings E³ receiving the pintle rod C.

The latch bars B are provided at their inner ends with tubular bearings B' which fit on the pintle rod C between the clip A⁴ and the flanges E² of the keeper bar, such flanges E² retaining the latch bars in position on

the pintle rod, as best shown in Figs. 1, 7, 8 and 9 of the drawing.

The latch bars B, it will be noticed, pivot independently on the pintle rod so either of said latch bars may be raised or lowered without the other and in Fig. 7 I illustrate one latch bar B raised so that the gate, as indicated in dotted lines in the said figure, may be moved in the direction indicated by the arrow Fig. 7, toward the latch bar B and will, in doing so, swing said latch bar to the position shown in Fig. 9. This will cause the upper latch bar in Fig. 7 to be thrown down to the position shown in Fig. 9, securing the gate. In thus throwing the latch bar down from the position shown in Fig. 7 to that shown in Fig. 9, the operation will be positively secured by the rocking of the pintle and also by the operation of the keeper bar upon the latch bar B to throw the same from its upright to its lowered position.

In permitting the setting of one latch bar to an upright position, the upward inclination of the wings A² as best shown in Fig. 6 is useful as it permits the latch bars to be raised to an upright position and be thrown partly back of the center so they will not accidentally drop.

The construction is simple, easily made and applied and efficiently serves the purpose for which it is designed.

The body or case A may be regarded as a support for the pintle and the keeper bar, the latter having portions fitting on the pintle and retaining the latch bars in place on the pintle. It will also be understood that the loop or clip A⁴ of the part A operates as a knuckle for the hinge and the bearings B' of the latch bars B also operate as knuckles and receive the pintle rod when the parts are assembled as shown and before described.

Manifestly the gate may open in both directions as either of the latch bars may be adjusted to either of the positions shown in Fig. 7.

I claim:

1. A latch for gates and the like comprising a body portion or case having lateral stop wings and provided between the same with a forwardly projecting loop or clip, a pintle bar pivoted between its ends to said loop or clip, latch bars pivoted at one end on the said pintle rod along the opposite sides of the loop or clip and cooperating with the stop wings, and a keeper bar piv-

oted between its ends in connection with the loop or clip and having at its ends portions fitting along the outer sides of the latch bars and retaining the same on the pintle rod, substantially as set forth.

2. A latch for gates and the like comprising a body having forwardly projecting stop wings and between the same a loop or clip, a pintle rod fitting between its ends in said loop or clip, a keeper bar having at its ends portions fitting on the pintle rod and spaced away from the ends of the loop or clip, means securing the keeper bar and pintle rod midway their ends to the loop or clip and latch bars pivoted on the pintle rod between the retaining portions of the keeper bar and the loop or clip, substantially as set forth.

3. The combination in a latch with a body or main portion, of a pintle and a keeper bar rockably connected midway between their ends with the body portion and latch bars carried at the opposite ends of the pintle rod and retained thereon by the keeper bar, substantially as set forth.

4. The combination of a body portion having a loop or clip, a pintle rod and a keeper bar pivotally connected between their ends with said loop or clip and independently movable latch bars carried at the opposite ends of the pintle rod, substantially as set forth.

5. The combination with independently movable latch bars spaced apart, of a carrier for said bars pivoted between its ends whereby it may be rocked or tilted, the latch bars being movable bodily with the carrier substantially as set forth.

6. The combination in a latch of spaced apart independently movable latch bars, a rocking carrier for said latch bars and means below the latch bars for supporting the same in latched position, the latch bars being movable bodily with the carrier substantially as set forth.

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Witnesses:

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