

United States Patent Office.

EPHRAIM BARKS AND LUCIUS H. EMMONS, OF NOBLESVILLE, INDIANA.

Letters Patent No. 107,589, dated September 20, 1870.

IMPROVEMENT IN LATCHES FOR GATES.

The Schedule referred to in these Letters Patent and making part of the same

To all whom it may concern :

Be it known that we, EPHRAIM BARKS and LUCIUS H. EMMONS, of Noblesville, in the county of Hamilton and in the State of Indiana, have invented certain new and useful Improvements in Gate-Latch; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon, making a part of this specification.

The nature of our invention consists in the construction and arrangement of a "gate-latch," as will be hereinafter fully set forth.

In order to enable others skilled in the art to which our invention appertains to make and use the same, we will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a front view, and

Figure 2, a side view of our latch.

A represents the lever or balance-bar, which is pivoted between two plates, B and C, by means of a screw, passing through the same.

B is the back plate, and merely placed on the gate to prevent the wearing of the same by the lever.

The plate C is more like a box, covering or inclosing a portion of the lever and the back plate.

It is provided with ears *a a*, through which screws *b b* pass, to secure it to the gate.

The inner end of the lever A is weighted, and the outer end is provided with a hook, *d*, from which an inclined projection, *e*, extends forward, as shown in fig. 2.

On the gate-post is secured the stop D.

When the gate is to be closed, the inclined projection *e* strikes the stop D, which causes this, the outer end of the lever-end, to be depressed, until the hook *d* comes under the stop, when the inner weighted end of the lever throws the outer end up, so that the stop enters said hook, when the gate is held in place.

Having thus fully described our invention,

What we claim as new, and desire to secure by Letters Patent, is—

The lever A, constructed as described, one end being weighted, and the other provided with a hook, *d*, and inclined projection, *e*, at right angles to the lever, in combination with the plate B, box or plate C, and stop D, all substantially as and for the purposes herein set forth.

In testimony that we claim the foregoing, we have hereunto set our hands this 3d day of June, 1870.

EPHRAIM BARKS.

LUCIUS H. EMMONS.

Witnesses:

THOMAS. H. SMITH,

JACOB THOMPSON.