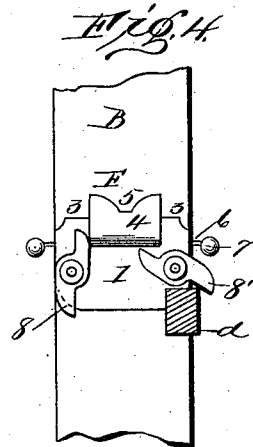
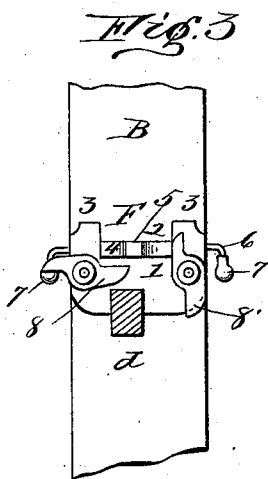
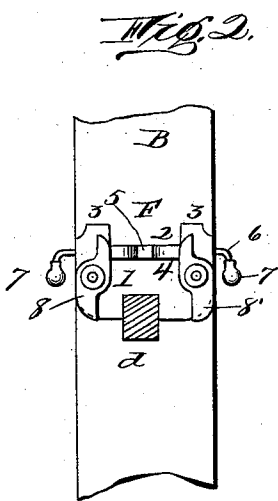
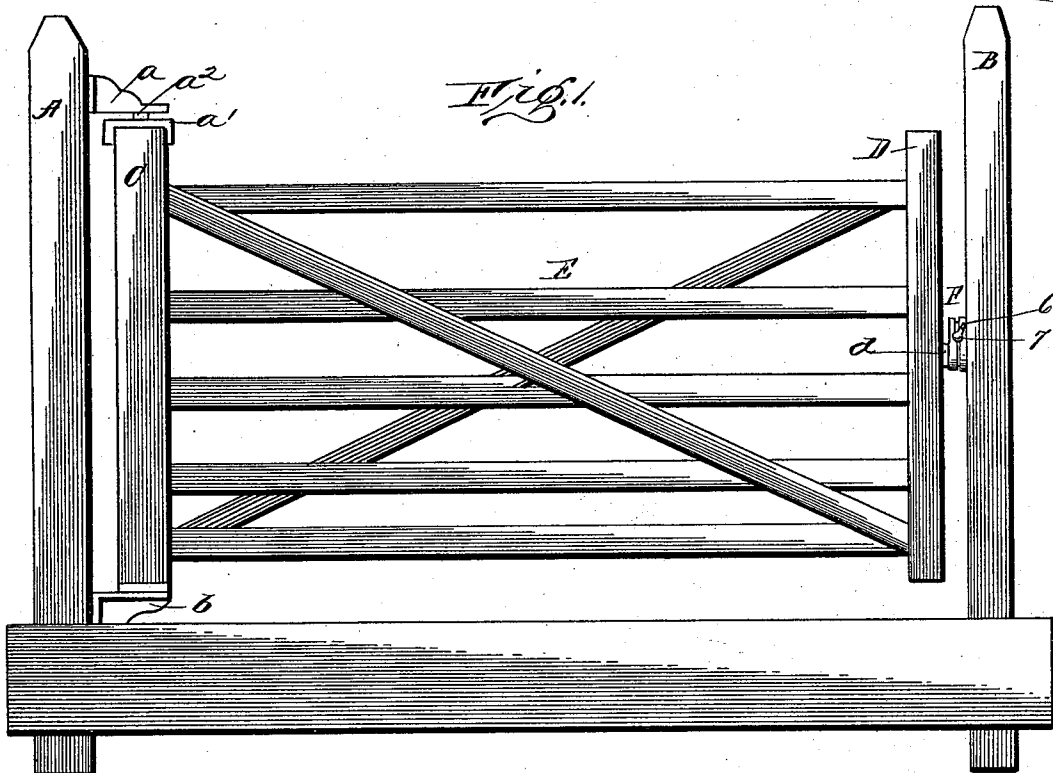


(No Model.)

J. S. BERRY.
GATE LATCH.

No. 574,518.

Patented Jan. 5, 1897.



Witnesses:
J. M. Fowler Jr.
R. E. Rabbit.

Inventor
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Attorney

UNITED STATES PATENT OFFICE.

JOHN S. BERRY, OF TYLER, TEXAS, ASSIGNOR OF TWO-THIRDS TO WILLIAM QUINN AND MORRIS DOWLER, OF SAME PLACE.

GATE-LATCH.

SPECIFICATION forming part of Letters Patent No. 574,518, dated January 5, 1897.

Application filed August 15, 1896. Serial No. 602,852. (No model.)

To all whom it may concern:

Be it known that I, JOHN S. BERRY, a citizen of the United States, residing at Tyler, in the county of Smith and State of Texas, have
5 invented certain new and useful Improvements in Gates; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable
10 others skilled in the art to which it appertains to make and use the same.

My invention relates to gate-latches; and it consists in the details of construction hereinafter described and claimed.

In the accompanying drawings, Figure 1 is
15 a side elevation of my invention. Figs. 2, 3, and 4 are face views of the latch-post and latch.

My invention is described as follows:

A is the gate-post.
20 B is the latch-post.
C is a hinged beam.
D is the latch-beam, and E are the slats and braces.

Near the top of the post A is secured a
25 perforated bearing *a*, and on the top of the hinged beam C is a metal cup *a'*, with a bearing-pin *a''*, which works through the perforations in the bearing *a*.

Near the foot of the post A is secured a
30 bearing *b*. This bearing is provided with a perforation in which the pin of beam C works.

The gate is so mounted on the bearing *b* that when it is open either way and not secured it automatically swings shut of its own
35 gravity, and as it swings shut it is automatically locked to the latch-post B by means of the latch shown in Figs. 2, 3, and 4.

In the gate-beam D is secured a latch-pin *d*, and to the inner face of the gate-post B is
40 secured a latch which I designate in a general way as "latch F." Latch F consists of the plate 1, secured to the inner face of the post, and in the upper part of the said plate is a recess 2, leaving projections 3, and between
45 these projections is hinged a piece 4, provided with a recess or notch 5. Said piece is rigidly secured to and hinged by means of the rod 6, which carries on each end an elbow extension and handle-knob 7.

Pivoted to the face and near each end of
50 the plate 1 are hangers 8 and 8', the upper ends of which rest against the outer ends of the piece 4.

No matter in which way the gate may come shut the latch-pin *d* trips the lower end of one
55 of the hangers and passes in between the two hangers and is locked, because it cannot from the inside or from its position between said hangers pass out, because if the said pin *d* strikes against the inner face of either hanger
60 the upper end of the hanger thus struck immediately impinges or comes against the end of piece 4.

If the gate shuts in the direction shown in Fig. 3, it trips hanger 8 and immediately it
65 comes in contact with hanger 8', and while it is passing to 8' hanger 8 falls back into position. (See Fig. 2.) If the gate shuts from the opposite direction, it trips hanger 8' and
70 passes on and comes in contact with hanger 8, and in the meantime hanger 8' falls back into position, and the gate is locked; and when the gate is so locked it cannot be opened
75 until the piece 4 is turned up, (see Fig. 4,) and when so turned up its under face is flush with the outer face of the plate 1, in which case said hangers turn freely on their pivots
80 and the gate may be opened either way, east or west.

One of the great troubles in latching gates
80 has been that the latch would jump the notch and pass on or strike the post and spring back beyond the notch. The object of this latch is to remedy such evils. With my invention the pin *d* is sure to be caught and
85 held in position until released by some artificial means.

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

1. In combination with a gate, substantially as shown and described the combination of the latch-pin *d*, secured in beam D, with latch F, secured to the inner face of post B, and consisting of the plate 1, having recess 2,
95 hinged piece 4, fitting in said recess; hangers 8 and 8', pivoted one to each end of the plate 1, and having upper extensions adapted to

impinge against the ends of piece 4, substantially as shown and described and for the purposes set forth.

2. A gate-latch, consisting of the plate 1, 5 having the recess 2, and extensions 3; piece 4, fitting in said recess and hinged between extensions 3; hangers 8 and 8', pivoted to the face and one at each end of the plate 1, and having upper extensions adapted to im-

pinge one against each end of the piece 4, 10 substantially as shown and described and for the purposes set forth.

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

JOHN S. BERRY.

Witnesses:

WILLIAM QUINN,
MORRIS DOWLER.