R. J. BARTON.

GATE LATCH.

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1,173,918.

Patented Feb. 29, 1916.

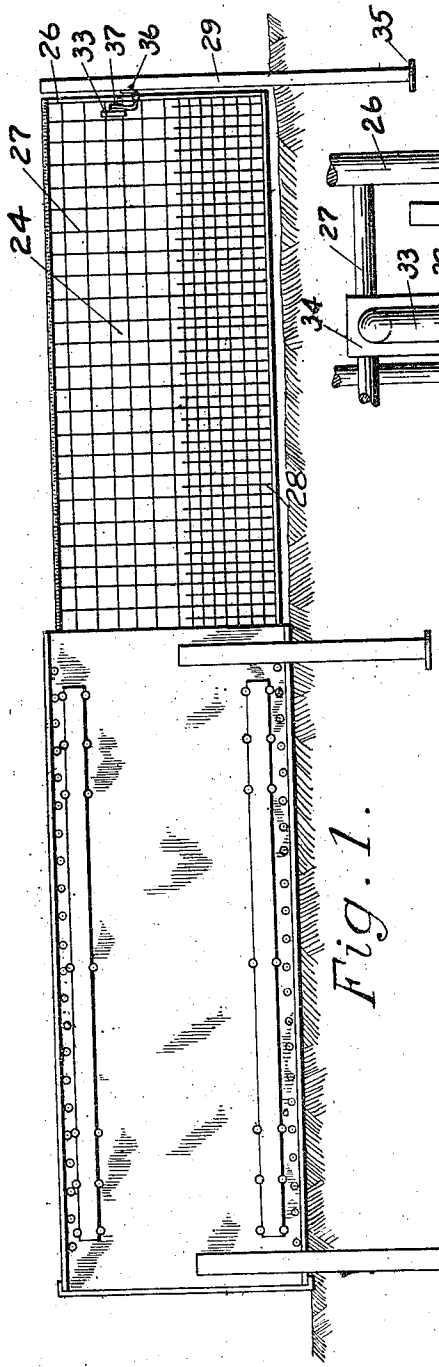


Fig. 1.

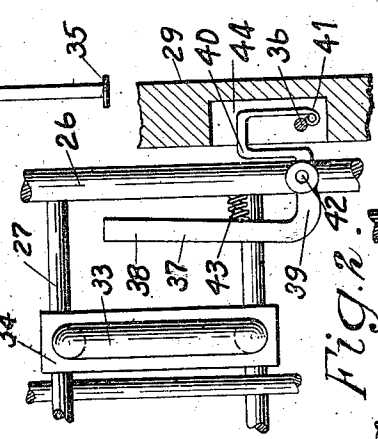


Fig. 2.

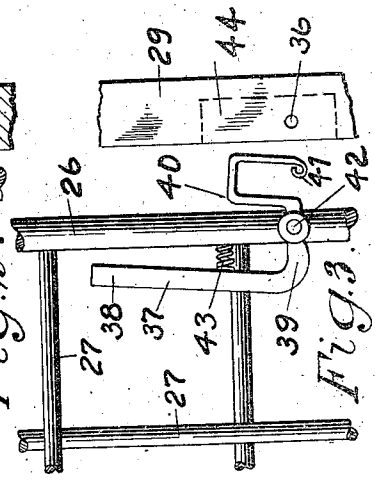


Fig. 3.

Witnesses

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RAYMOND J. BARTON, OF ROSCOE, IOWA.

GATE-LATCH.

1,173,918. Specification of Letters Patent. Patented Feb. 29, 1916.

Application filed December 11, 1912. Serial No. 736,127.

To all whom it may concern:

Be it known that I, RAYMOND J. BARTON, a citizen of the United States, residing at Roscoe, in the county of Des Moines, State of Iowa, have invented certain new and useful Improvements in Gate-Latches; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The present invention is directed to improvements in gate latches, and has for its object to construct a device of this character which is exceedingly simple in construction, and one which will effectually lock a sliding gate in its closed position.

In the drawings: Figure 1 is a side elevation of the gate equipped with the latch. Fig. 2 is a detail fragmentary view of the free end of the gate, the latch post being shown in section. Fig. 3 is a detail view of the latch in its unlocked position.

Referring to the drawing the numeral 24 designates the gate which consists of a frame formed from metallic bars. The end bars 26 are connected by a series of horizontally and vertically disposed rods 27 forming a mesh-like construction. A post 29 is mounted adjacent the forward end of the gate. A handle or hand grip 33 is secured near the end bar 26 of the frame 24 at the free end of the gate, being provided with a plate portion 34 which is attached and preferably welded to the rods 27 adjacent to the bar 26 and above the vertical center of the gate.

In order to hold the gate in position to close the entrance or passageway over which it operates, the post 29 which is of rectangular cross section, and provided with an anchoring plate 35, carries a bolt 36 which extends through the post and which is engaged by a fastener 37 carried by the adjacent bar 26 of the gate frame. This fastener comprises a section of metal bent to form a vertical gripping portion 38 and a horizontal portion 39 pivoted to the bar 26 and then bent upwardly and horizontally as shown at 40, the extremity being bent downwardly and turned to form a loop 41. The fastener being thus mounted on a pivot indicated by the numeral 42 is held in position so that the loop 41 normally engages the bolt 36, being held in this position by means of a stout coiled spring 43 connecting the gripping portion 38 and the bar 26. It is necessary to exert pull upon the gripping portion 38 in order to disengage the fastener and the post 29 is provided with open spaces 44 above and below the bolt to permit engagement and disengagement of the loop with relation to the bolt.

I claim:

In a gate latch, the combination with a post and slidably mounted gate, said post having a recess formed therein, a bolt extending transversely of the recess, a latch bar having a vertical gripping portion, the lower end of which terminates in a horizontal portion which is pivotally connected to the gate, said portion terminating in an inverted U-shaped frame, the outer end of which has its lower end formed with a loop adapted to engage under said bolt when the frame is engaged in the recess, and a spring arranged between the gate and vertical gripping portion to hold the loop in yielding engagement with said bolt.

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

RAYMOND J. BARTON.

Witnesses:
MARK BARTON,
J. C. DODDS.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."