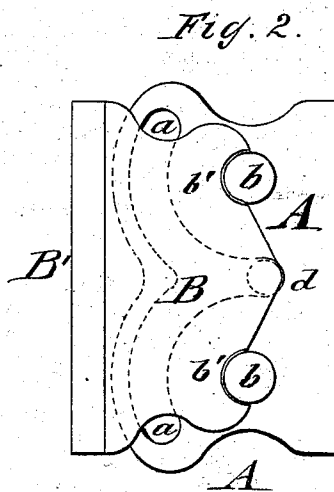
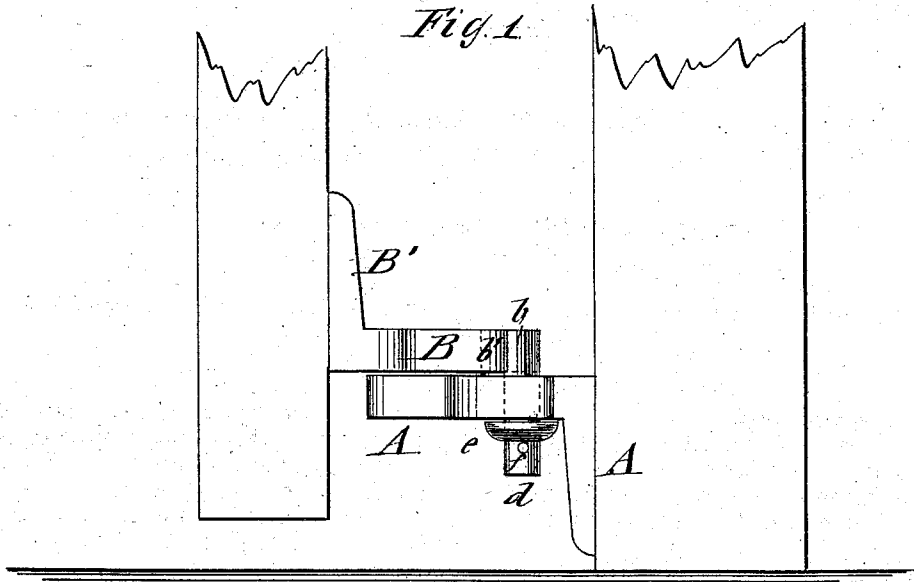


W. S. WHITING, Jr.
Gate-Hinges.

No. 152,714.

Patented June 30, 1874.



WITNESSES.

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UNITED STATES PATENT OFFICE,

WILLIAM S. WHITING, JR., OF SEYMOUR, ASSIGNOR TO FREDERICK L. ALLEN
AND WILLIAM H. RICHARDSON, OF WATERBURY, CONNECTICUT.

IMPROVEMENT IN GATE-HINGES.

Specification forming part of Letters Patent No. **152,714**, dated June 30, 1874; application filed
June 6, 1874.

To all whom it may concern:

Be it known that I, WILLIAM S. WHITING, Jr., of Seymour, New Haven county, Connecticut, have invented a new and Improved Gate-Hinge, of which the following is a specification:

In the accompanying drawing, Figure 1 represents a side elevation of my improved gate-hinge, and Fig. 2 a top view of the same.

Similar letters of reference indicate corresponding parts.

My invention relates to an improved gate-hinge, by which the gate may be readily swung to either side without difficulty, and closed or shut by its own weight. The invention consists of a supporting bracket or plate fastened to the gate-post, and provided with curved V or wing-shaped slot for guiding the pintle of the bracket-plate of the gate, and preventing the gate from getting out of place. The pintle-plate swings by side recesses around fixed pins of the supporting-plate.

In the drawing, A represents the supporting-bracket, which is firmly secured or otherwise attached to the gate-post or fence. The horizontal projecting plate of the same is arranged with a V-shaped slot, *a*, which extends from the center line, with symmetrically-curved parts, to both sides of the plate. The horizontal bracket-plate A is furthermore cast or otherwise provided with strong vertical guide-pins *b*, forming the centers of the curved parts of slot *a*. A second horizontal plate, B,

which is attached by its vertical part B' to the gate, slides on the supporting-plate by a central downward-extending pintle, *d*, which is retained in slot *a* by a loose washer, *e*, and loose pin *f*, or otherwise applied to the pintle at the under side of plate A. The plate B is also provided at both sides with semicircular recesses *b'*, corresponding with the guide-pins *b*.

When the gate is in closed position, the pintle is in the vertex of the slot, and both recesses are in contact with the guide-pins.

By swinging the gate to either side, the side recesses and pintle swing around the corresponding and slotted part until the extreme limit of motion is obtained. The bracket-plates form thereby a strong support for the gate, and allow the opening of the same in either direction, the gate closing by its own weight.

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

As an improvement in gate-hinges, the supporting bracket-plate A, with V-slot and guide-pins, in combination with the sliding plate B, having center pintle and side recesses for swinging readily thereon in either direction, substantially as specified.

WILLIAM S. WHITING, JR.

Witnesses:

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