

W. LEACH.
Gate-Fastening.

No. 168,754.

Patented Oct. 11, 1875.

Fig. 1.

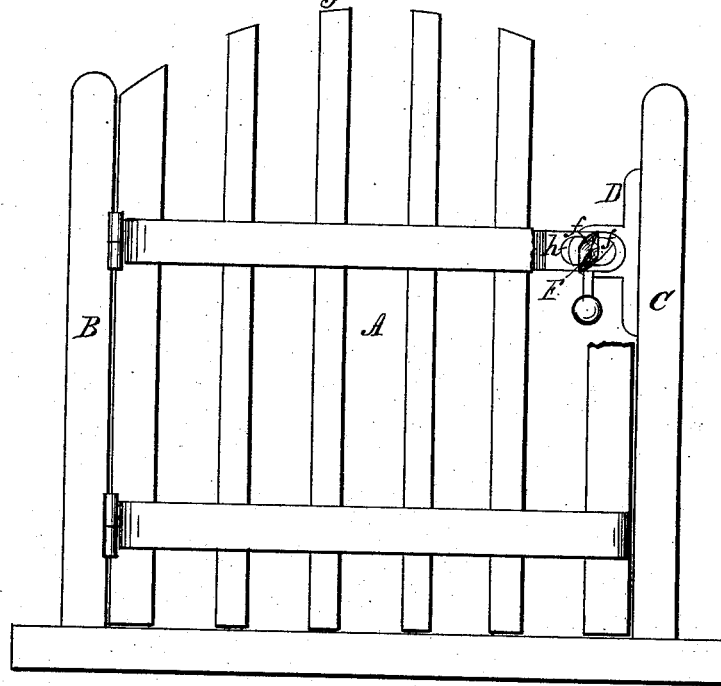


Fig. 2.

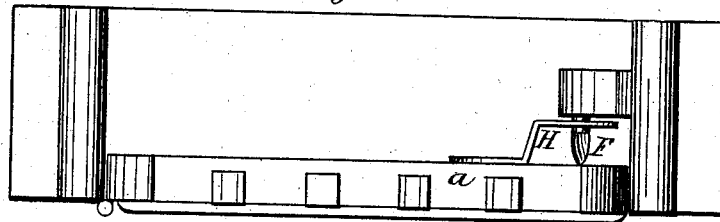
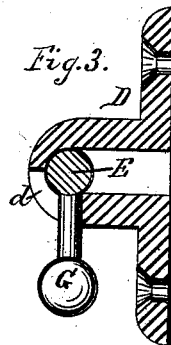


Fig. 3.



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UNITED STATES PATENT OFFICE.

WILLIAM LEACH, OF OMAHA, NEBRASKA.

IMPROVEMENT IN GATE-FASTENINGS.

Specification forming part of Letters Patent No. **168,754**, dated October 11, 1875; application filed September 13, 1875.

To all whom it may concern:

Be it known that I, WILLIAM LEACH, of Omaha, in the county of Douglas and State of Nebraska, have invented a new and Improved Gate-Fastening; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing, forming a part of this specification, in which—

Figure 1 is a front view of gate with one corner broken out to show the fastening; Fig. 2, a plan view; and Fig. 3, a detail vertical section of the fastening.

The invention relates to fastenings that enable a gate to be latched automatically, as it swings to the head-post, by gravity or the action of a spring. It will first be described in connection with drawing, and then pointed out in the claim.

A represents a gate; B, the hinge-post; and C, the head-post. On the latter I fasten a bracket, D, in which is pivoted the rod E, having arrow-head F at one end, and in the

same plane therewith the right-angled weight-arm G, protruding through the slot *d*. The arrow-head is reversely beveled or inclined on its wings *f f*, so that the slotted angle-plate H, which is fast on the rail *a* of gate, will, by its pressure on these inclines, cause the arrow-head F to turn and pass through the slot *h*, while the weighted arm G will then cause the rod E to turn a quarter-revolution, the arrow-head F to stand across the slot *h*, and the gate to be securely fastened. By raising the arm G the gate is easily opened.

Having thus described my invention, what I claim as new is—

The pivoted rod E, having arrow-head with reversely-beveled wings, and in the same plane therewith a right-angled weight-arm, G, in combination with an angle-plate, H, having the slot *h*, as and for the purpose described.

WILLIAM LEACH.

Witnesses:

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