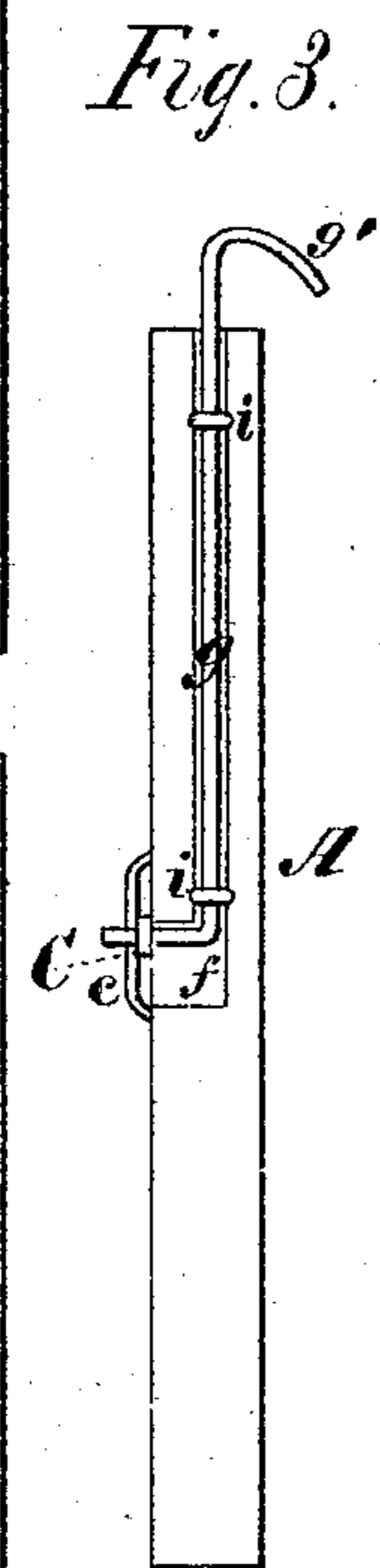
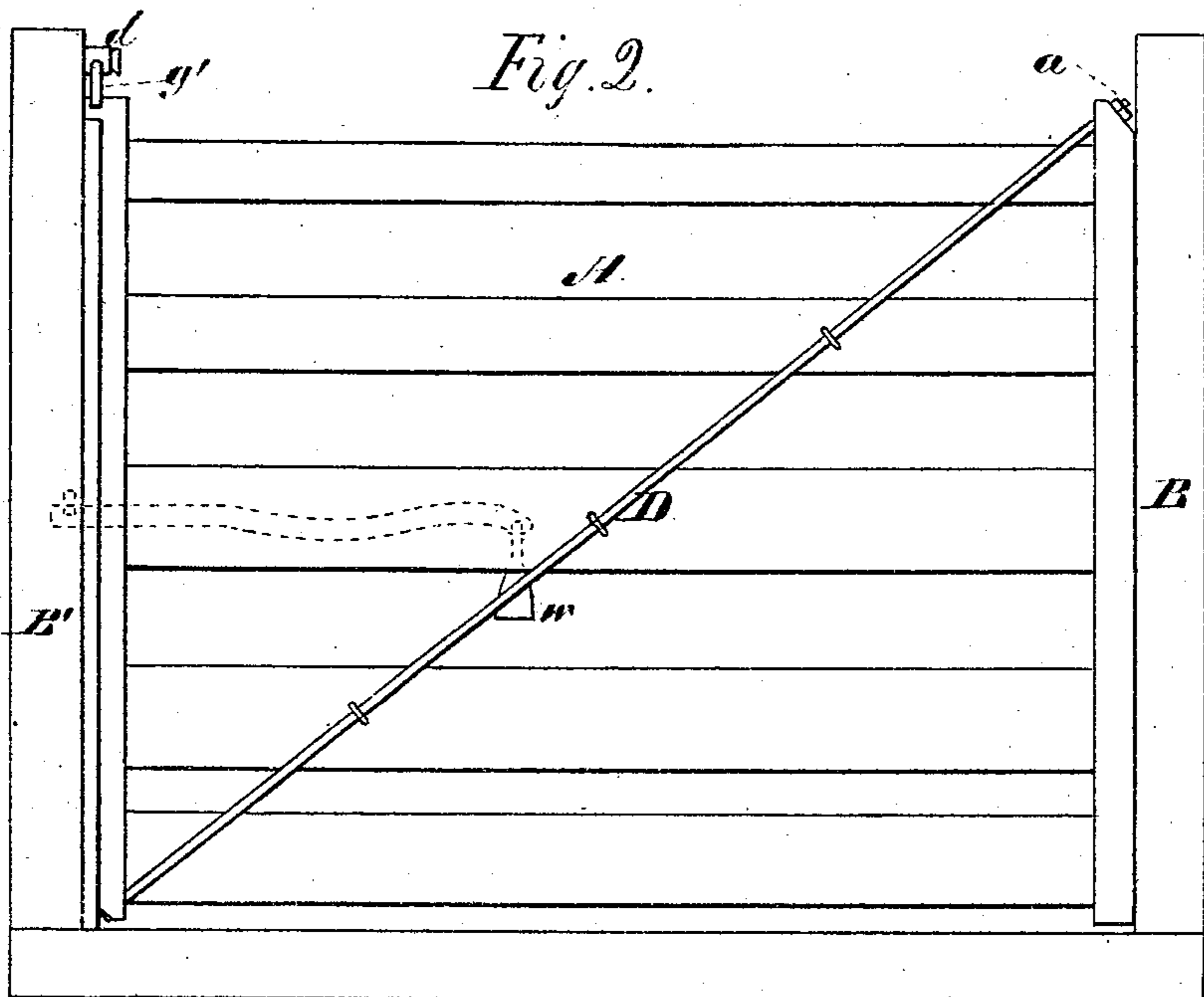
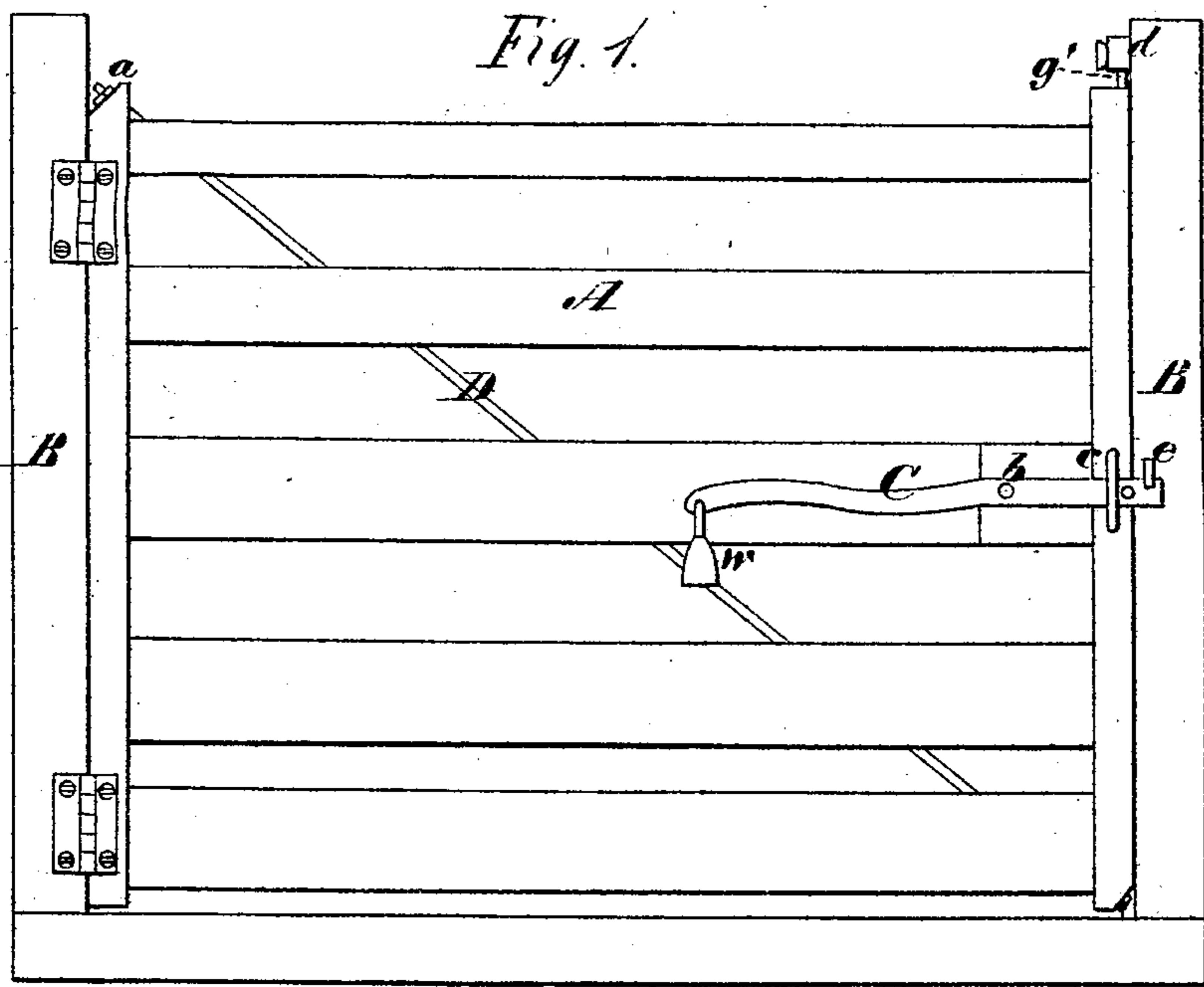


W. BOWMAN.
Farm-Gates.

No. 147,220.

Patented Feb. 3, 1874.



Witnesses.
Mary J. Utley.
George E. Upham.

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Attorneys.

UNITED STATES PATENT OFFICE.

WILLIAM BOWMAN, OF STAYSTOWN, PENNSYLVANIA.

IMPROVEMENT IN FARM-GATES.

Specification forming part of Letters Patent No. **147,220**, dated February 3, 1874; application filed October 11, 1873.

To all whom it may concern:

Be it known that I, WILLIAM BOWMAN, of Staystown, in the county of Somerset and State of Pennsylvania, have invented a new and valuable Improvement in Farm-Gates; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a view of my gate from the inside. Fig. 2 is a view of the same from the outside. Fig. 3 is a detail view.

This invention has relation to gates which are swung from one side; and consists in combining with a gravitating latch-lever a latch-bar, which extends to the upper end of the gate, and catches behind a pulley applied on the gate-post, thus affording a double latch which operates simultaneously, as will be hereinafter explained.

The following is a description of my invention:

In the annexed drawings, A represents a swinging gate, which consists of horizontal bars secured at their ends to vertical bars, and sustained against sagging by means of a diagonal rod, D, having nuts *a a* on its ends. The brace-rod D passes through eyes secured into the horizontal gate-bars, and through the upper and lower ends respectively, of the vertical bars, and prevents the free end of the gate from sagging. B represents the post to which the gate is hinged, and B' the post to which the gate is latched when shut. C represents a latch-lever which has its fulcrum at

b, and which has a weight, W, applied to its longest arm. The shortest arm of lever C passes through a staple, *c*, and when the gate is shut engages with a beveled catch, *e*, on the post B'. To this lever-latch C, the lower bent end of a latch-rod, *g*, is connected, which rod is recessed into the upright of gate A, as shown in Fig. 3, and guided by eyes *i i*, fixed into this upright. The upper end of the rod *g* is bent so as to form a latching-nose, which will pass behind an anti-friction roller, *d*, near the upper end of post B', when the gate is shut, and thus latch the upper end of the gate at the same time the latch C engages with the catch *e*.

The upper latch is intended to afford additional security to the gate when shut, and also to relieve the lower latch from strain, and the weight *w* is intended to latch both the rod *g* and the lever-latch C, and keep them latched when the gate is shut. Should the gate sag, from any cause, it can be set up again by tightening the nut at the upper end of one of the uprights.

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

The latch-rod *g*, constructed with a nose, *g'*, on its upper end for engaging with a roller, *d*, in combination with a gravitating lever-latch, C, and weight *w*, as and for the purposes described.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

WILLIAM BOWMAN.

Witnesses:

A. J. BERKEY,
W. H. BOWMAN, of B.