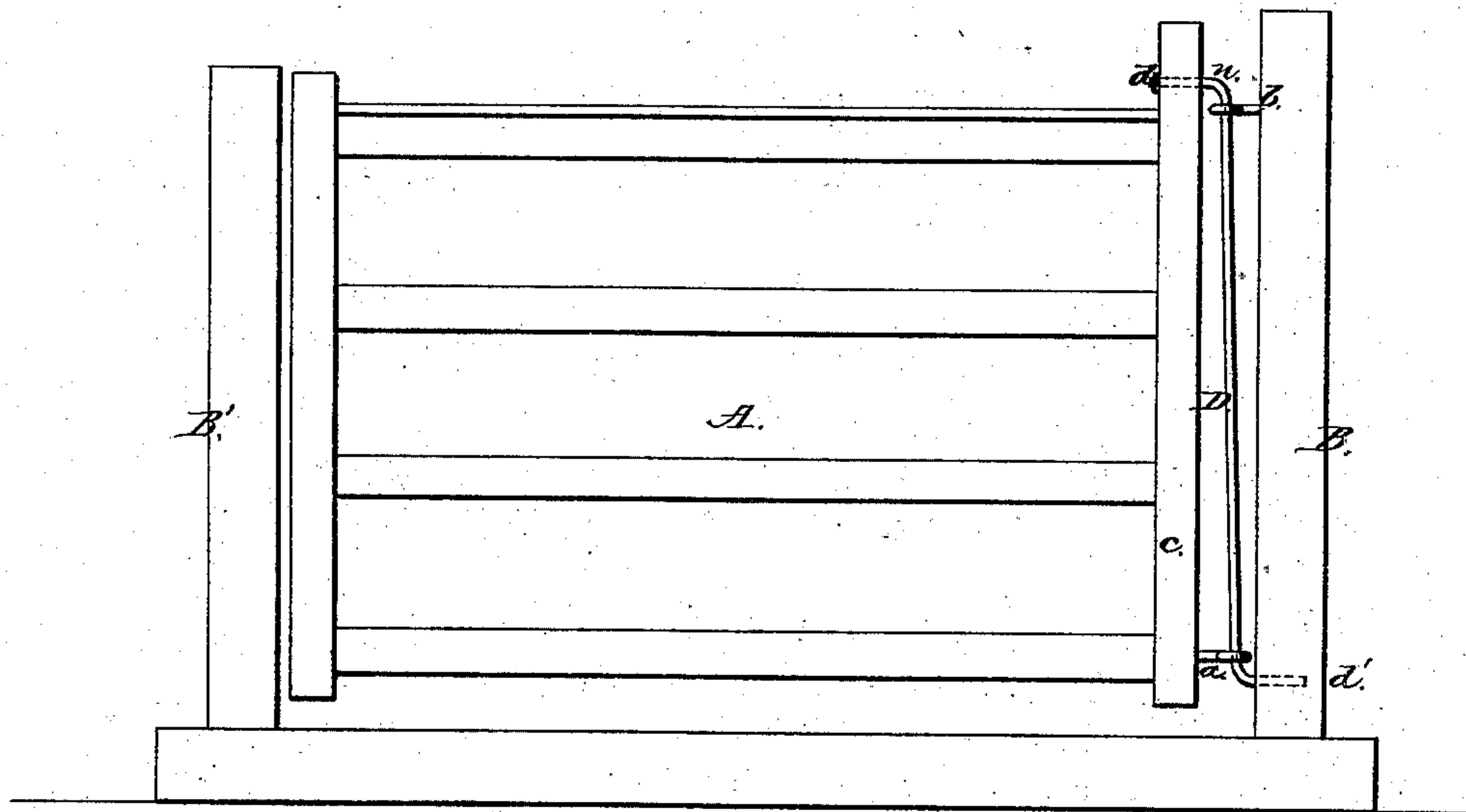


(No Model.)

E. J. BOWEN.
Gate Hinge.

No. 238,840.

Patented March 15, 1881.



WITNESSES

John A. Ellis.
Philip Levasi

INVENTOR

E. J. Bowen.
by Anderson & Smith
his ATTORNEYS

UNITED STATES PATENT OFFICE.

EZRA J. BOWEN, OF ONAWA, IOWA, ASSIGNOR OF ONE-HALF TO HENRY AUGUSTUS KEACH, OF SAME PLACE, AND FREDERICK WILLIAM COOK, OF LINCOLN, IOWA.

GATE-HINGE.

SPECIFICATION forming part of Letters Patent No. 238,840, dated March 15, 1881.

Application filed January 22, 1881. (No model.)

To all whom it may concern:

Be it known that I, EZRA J. BOWEN, a citizen of the United States, resident at Onawa, in the county of Monona and State of Iowa, have invented certain new and useful Improvements in Gate-Hinges; 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, reference being had to the accompanying drawing, and to letters or figures of reference marked thereon, which form a part of this specification, in which the figure represents the device applied.

This invention relates to gate-hinges; and it consists in the construction hereinafter specified.

In the annexed drawings, A is a gate, B B' the posts, and C the side bar.

Near the top of one post, B, is located the eye *b*, extending in the gateway, and *a* is another eye, longer than eye *b*, and located upon the side bar, C, of gate A, near the bottom.

D is a spring-bar, made fast at end *d* to the top of side bar, C, of gate A. It is bent at *n*, and turned down and passed through eyes *b* and *a*, and, turned out, is made fast at end *d'*

to the bottom of post B. As the gate is opened it exerts a twisting action upon bar D, making a torsion-spring of the same, which operates to close the gate as soon as the latter is released.

By the construction shown the gate can be opened in either direction.

By putting the bar D in place while the gate is open the said bar will be twisted when the gate is closed, and thus exert a force to hold the gate open when unfastened. When this bar is used to close the gate no positive catch is needed, the spring holding it shut.

What I claim is—

The post B, having an eye, *b*, near one end, and the gate A, having an eye, *a*, at the end of one side bar, in combination with the bar D, passed through eyes *a* and *b*, and fastened at one end to post B and at the other to gate A, substantially as described.

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

EZRA J. BOWEN.

Witnesses:

M. W. BACON,
C. H. ALDRIDGE.