L. DICKERSON.

GATE.

No. 192,745. Patented July 3, 1877.

Fig. 1.

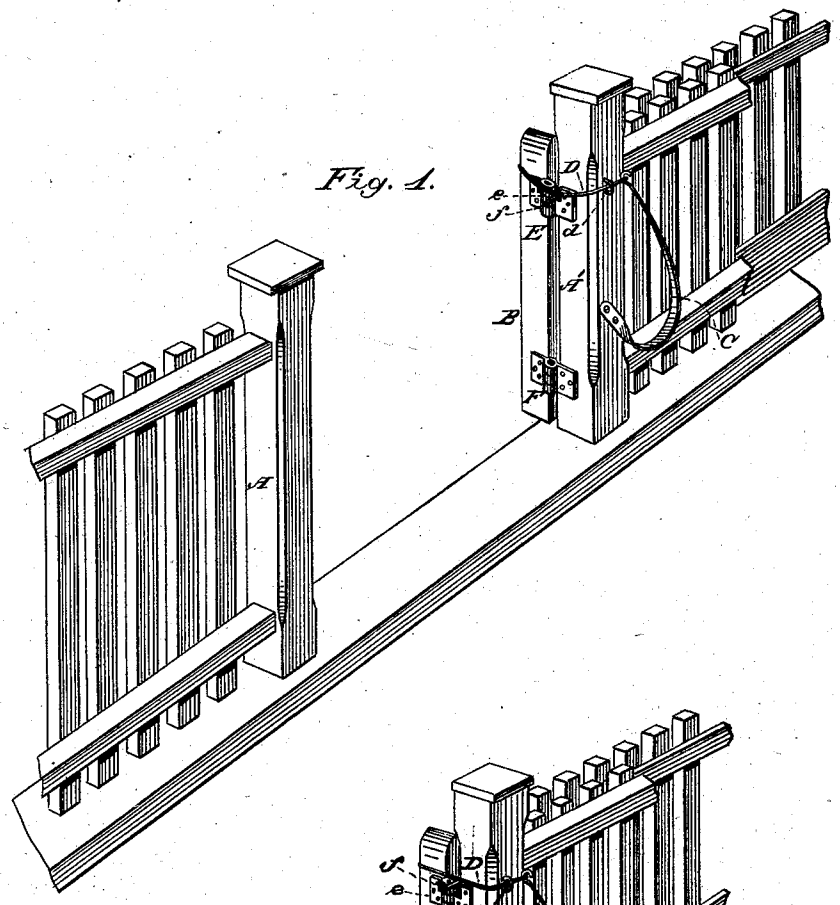
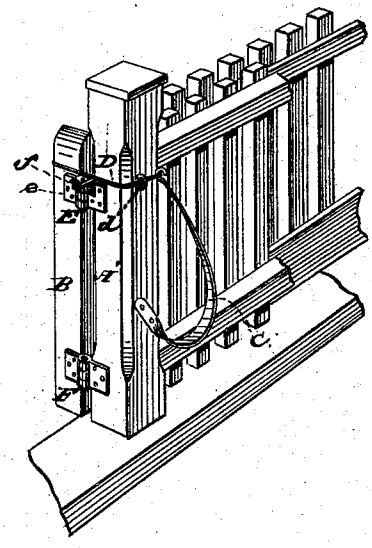


Fig. 2.



Attest:
August Peters, Jun.
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Inventor:
Lorenzo Dickerson
by Louis Bagger & Co.
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UNITED STATES PATENT OFFICE.

LORENZO DICKERSON, OF TRENTON, MICHIGAN.

IMPROVEMENT IN GATES.

Specification forming part of Letters Patent No. **192,745**, dated July 3, 1877; application filed May 21, 1877.

To all whom it may concern:

Be it known that I, LORENZO DICKERSON, of Trenton, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in Gates; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawing, which forms a part of this specification.

My invention relates to that class of farm and other gates which are closed automatically by means of a suitably-arranged spring; and it consists in the combination of the hinge, pull-cord, and operating-spring in such a manner that by a simple adjustment of the cord the gate will be either shut or left standing open, substantially as hereinafter more fully described, and pointed out in the claim.

In the drawing, A A′ are the posts between which the gate is hung. B is the gate, and C is a bent spring secured on post A′, to the upper end of which is fastened the pull-cord D, which passes over a sheave or through an eye, *d*, and is, by its other end, secured in the gate. E F are the hinges, the upper one of which, E, is so placed on post A′, relative to spring C and pull-cord D, that this cord will, in opening the gate, lie across the knuckle *e* a short distance below the top of the hinge, as shown in Fig. 1. By this arrangement spring C and cord D will pull on the gate and close it, even when this is opened to its greatest capacity—one hundred and eighty degrees; but if it is desired that the gate should remain open, all that is necessary is to push cord D up above the knuckle *e* of hinge E, as shown in Fig. 2, when spring C and cord D will keep the gate open. To do this a latch, *f*, is employed, hinged in post A′ just below the pull-cord D. To close the gate, all that is required is to move it slightly out from the fence, when the tension of the spring and cord will close it.

By my improvement I produce a self-closing gate that is exceedingly simple in construction, and, therefore, durable as well as cheap. By simply adjusting cord D as described, which may readily be done in the act of passing through the gate, this gate will close itself at once, or it may be left standing open for any length of time until vehicles or cattle shall have passed through, when it may be closed again readily and without exertion by simply turning it out a little from the fence.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

In combination with post A′ and gate B, the spring C, pull-cord D, hinge E, and latch *f*, constructed and combined to operate substantially in the manner and for the purpose hereinbefore set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

LORENZO DICKERSON.

Witnesses:

ALBERT DICKERSON,

JOHN S. SMITH.