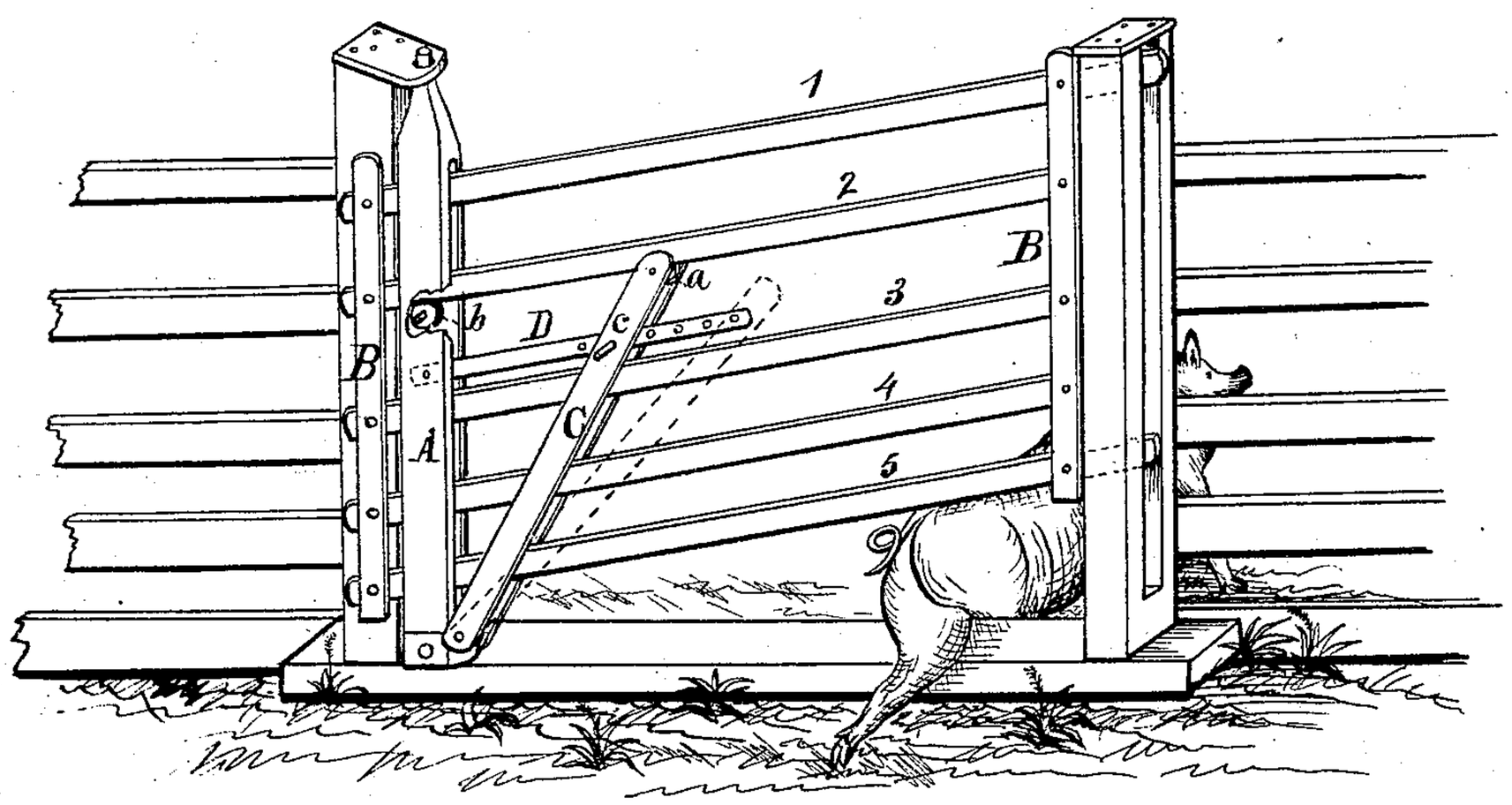
M. WILLEY.

Farm-Gates.

No. 151,736. Patented June 9, 1874.



Witnesses.
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UNITED STATES PATENT OFFICE.

MARSHAL WILLEY, OF GUTHRIE, IOWA.

IMPROVEMENT IN FARM-GATES.

Specification forming part of Letters Patent No. **151,736**, dated June 9, 1874; application filed September 13, 1873.

To all whom it may concern:

Be it known that I, MARSHAL WILLEY, of Guthrie, in the county of Guthrie and State of Iowa, have invented an Adjustable Farm-Gate, of which the following is a specification:

The object of my invention is to provide a gate of simple construction, that can be readily made by any farmer of ordinary mechanical skill, in such a manner that it can be easily operated for all the uses of a gate, and also adjusted to swing over deep snow or other obstructions, and to allow small stock to pass underneath when it is closed to prevent horses and cattle from passing. It consists in a flexible gate mounted upon a slotted and pivoted post in such a manner that it will move through the post, and also turn with the post, and in hinging an adjustable bar to the pivoted post, to provide a movable fulcrum for balancing and elevating the gate, all as hereinafter fully set forth.

My drawing is a perspective view illustrating the construction and operation of my invention.

A A is the slotted post, pivoted and hinged to a suitable frame. In place of a base-block or sill, to form a frame to support it, a pivoted step may be attached to a fixed post or tree. The pivotal support at the base, and the hinge-connection at the top, can be made in any suitable manner. The post A may be formed of solid wood by mortising a longitudinal slot through it, or two separate pieces may be formed in any suitable manner to produce a slotted post. A metal socket and pivot may be connected, or the entire post may be metal. 1 2 3 4 5 is a series of gate-bars that may vary in size and nunber as desired. They are connected by means of end pieces B B to form a flexible gate. Each end piece consists of two uniform bars held together by rivets or bolts with nuts, which pass through the ends of the series of horizontal bars 1 2 3 4 5 in such a manner that a hinge or flexible joint is formed at each end of each horizontal bar. By this means the bars may be elevated at one end to angle upward, while the end pieces B B remain perpendicular. C is an adjustable bar hinged to the base of the post A in any suitable manner. The bars 3 4 5 have free play through it. *a* is a roller in its top that forms a movable fulcrum for moving, balancing, and elevating the gate. The bar 2 rests and rolls upon the roller *a*, and a second roller, *b*, mounted in the slot of the post A. The entire gate is suspended upon the rollers *a* and *b*, and readily moves back and forth upon these rollers. D is a locking-bar made of wood or metal, and hinged in any suitable manner to the post A, so that it will extend between bars 2 and 3 to connect with the bar C. A series of holes in the end afford a means of locking it to the bar C with the pin *c* or its equivalent. By this means the bar C can be readily adjusted to stand at various angles, and rise and descend to raise and lower the gate.

My drawing shows the horizontal bars of the flexible gate angling upward, and the gate elevated to allow hogs and sheep to pass underneath. The dotted lines indicate how it can be adjusted to lower the gate to its normal position, and close the opening or passage underneath. The right or free end of the gate may be connected and latched or locked to a post and continuous fence in any suitable way.

I claim as my invention—

The flexible and adjustable gate composed of the series of bars 1 2 3 4 5, the pivoted and slotted post A, the hinged bar C carrying the roller *a*, the roller *b* in the post A, and the hinged locking-bar D, having a series of holes in its end, substantially as described, and for the purposes specified.

MARSHAL WILLEY.

Witnesses:

SIMEON BOND,

ABSALOM WILLEY.