

D. McCURDY.

HANGINGS FOR SLIDING AND SWINGING GATES.

No. 181,585.

Patented Aug. 29, 1876.

Fig. 1.

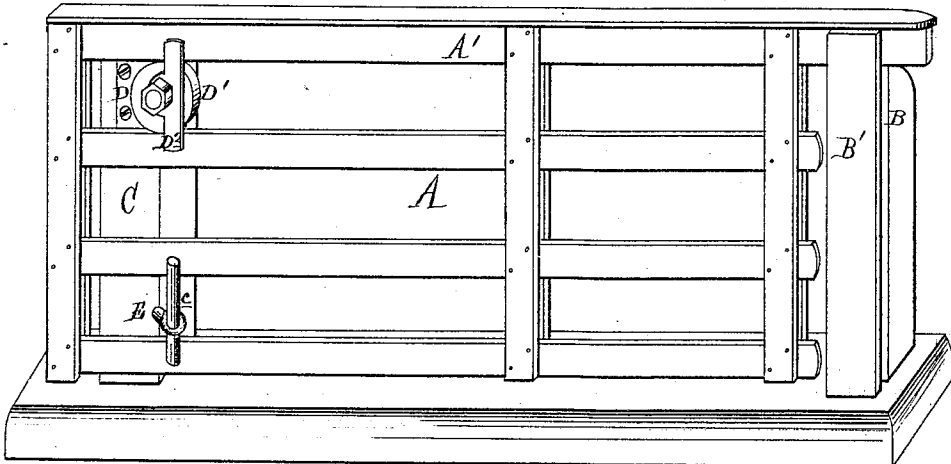


Fig. 2.

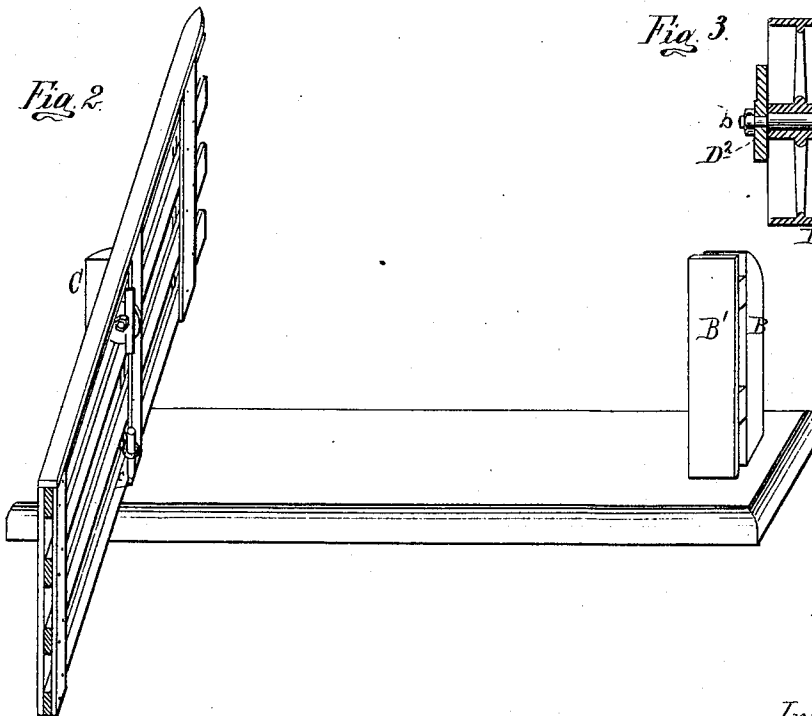
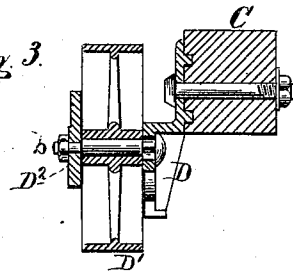


Fig. 3.



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UNITED STATES PATENT OFFICE.

DAVID McCURDY, OF OTTAWA, OHIO.

IMPROVEMENT IN HANGINGS FOR SLIDING AND SWINGING GATES.

Specification forming part of Letters Patent No. 181,585, dated August 29, 1876; application filed April 5, 1876.

To all whom it may concern:

Be it known that I, DAVID McCURDY, of Ottawa, in the county of Putnam and State of Ohio, have invented an Improvement in Hangings for Farm-Gates, of which the following is a specification:

My invention has for its object to provide a simple and inexpensive means for hanging a farm-gate in such a manner that it will slide on a roller until nearly equipoised, when it can be swung open, the gate swinging upon the single roller, no hinges being required.

The invention consists in the peculiar construction and combination of a bracket, a roller, and a guard, in connection with the heel-post of the gateway.

Figure 1 is a perspective view of the closed gate. Fig. 2 is a similar view of the open gate. Fig. 3 is an enlarged horizontal section through the heel-post and roller, the parts being constructed as applied in use.

In the drawing, A represents a gate, whose top bar A' is extended to slide between the head-post B and a guard-plate, B', secured to its face. The ends of the horizontal bars of the gate are extended so as to slide between the head-post and its guard-plate. C is the heel-post, to the face of which, near the top thereof, is bolted a metal bracket, D, having stops *a a* at top and bottom, in line with the side of the post next the gateway. D¹ is a roller, journaled by a bolt, *b*, in the axis of

the bracket, after which a vertical guard, D², is slipped onto said bolt, and secured thereon by the nut thereof. Where the bolt receives the lug of the guard it is squared to prevent the latter from turning out of its vertical position. The guard is not in line with the stops *a a*, but removed therefrom a distance equal to the thickness of the top bar of the gate, which runs on said roller.

To open the gate it is run back on the roller about one-half its length, or nearly equipoised, when it may be swung parallel with the roadway until arrested by the stops *a* and guard-plate D².

To prevent animals from pushing in the heel of the gate at the bottom an eyebolt, E, is screwed diagonally between the two lower bars into the face of the heel-post, and a vertical toggle-pin, *c*, driven through the eye of the bolt, as shown; but a short post driven into the ground under the hanging will answer the same purpose.

What I claim as my invention is—

The bracket D, roller D¹, and guard-plate D², secured together by the bolt *b*, in combination with the heel-post of a gateway, for hanging a gate thereto, substantially as described.

DAVID McCURDY.

Witnesses:

H. F. EBERTS,
H. S. SPRAGUE.