(No Model.)

A. L. GEER.

FARM GATE.

No. 263,891. Patented Sept. 5, 1882.

Fig. 1.

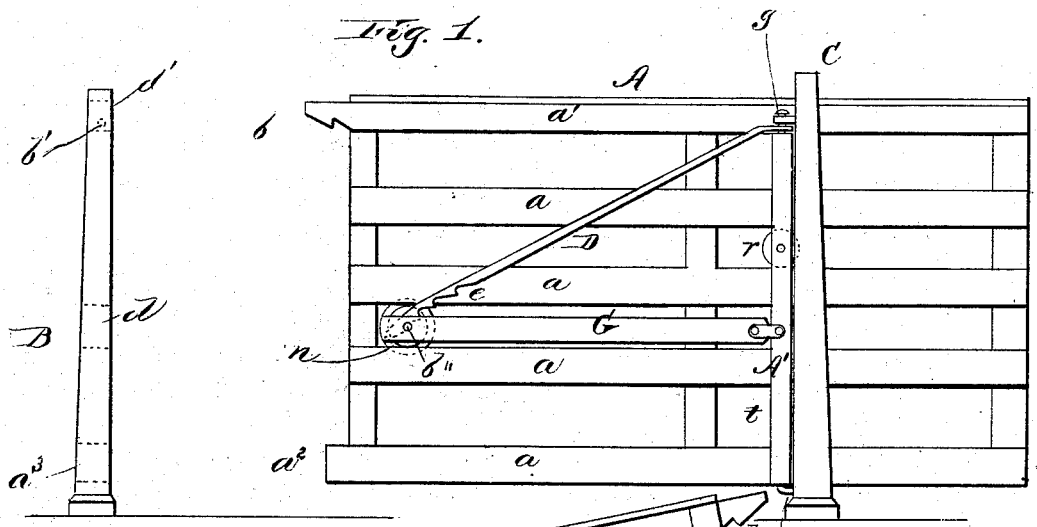
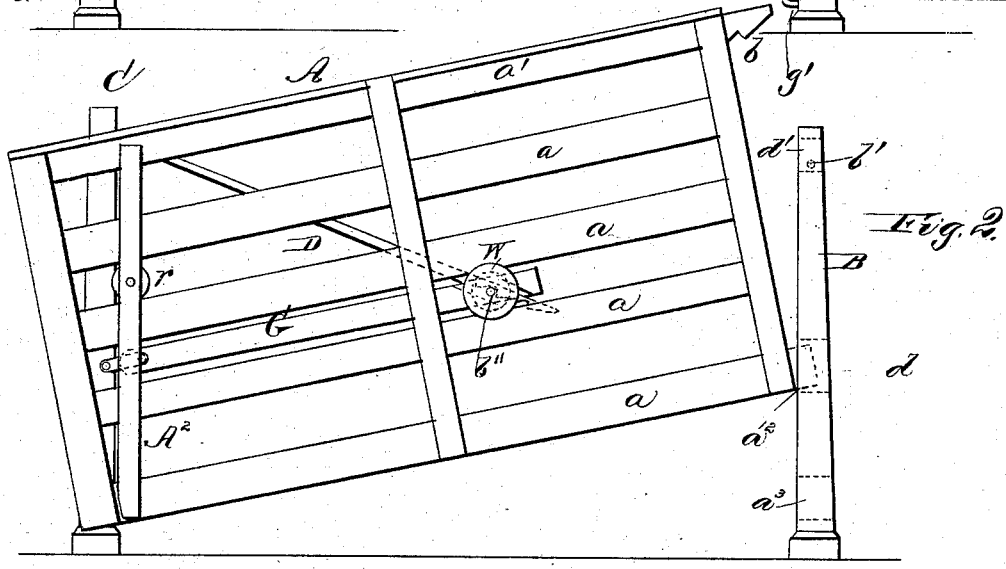


Fig. 2.



Witnesses:
F. C. McArthur,
Wm. R. Kingsworth

Inventor.
A. L. Geer
per. W. Alexander
Attorney.

UNITED STATES PATENT OFFICE.

ADELBERT L. GEER, OF SUPERIOR, MICHIGAN.

FARM-GATE.

SPECIFICATION forming part of Letters Patent No. 263,891, dated September 5, 1882.

Application filed June 17, 1882. (No model.)

To all whom it may concern:

Be it known that I, ADELBERT L. GEER, of Superior, in the State of Michigan, have invented certain new and useful Improvements in Farm-Gates; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form part of this specification.

This invention relates to swinging gates which are also adjustable vertically; and it consists in certain peculiarities of construction and combination of parts, as will be fully understood from the following description, when taken in connection with the annexed drawings, in which—

Figure 1 is a side elevation representing the gate moved partly back in a horizontal plane. Fig. 2 is a similar view of the same parts, showing the gate set at an angle and held by the notched rod.

The letter A designates a gate, which is hinged by a swinging post, A′, to the fixed post C at *g g′*, so that the gate is allowed to swing horizontally. The post B, which is opposite to the post C, is recessed at a^3 *d d′*, for a purpose which will hereinafter appear.

The horizontal rails of the gate are lettered *a a a a′*. The top rail, *a′*, is constructed with a notched or latch extension, *b*, which, when the gate is shut horizontally, will enter the mortise *d′* through post B and engage with a transverse pin, *b′*. At the same time the extension a^2 on the lower gate-rail will enter the mortise a^3 through the said post. The gate, when shut, will thus be held at its top and bottom.

On one side of the swinging post A′ is a batten, A^2, between which and said post the gate is free to be moved endwise, and is sustained on an anti-friction roller, *r*. (Shown in both figures.) This roller *r* is a fulcrum for allowing the gate to be vibrated vertically. It will thus be seen that by my mode of hanging the gate A it can be swung horizontally, vertically, and that it can be moved endwise or in a direction with respect to its length.

G designates an arm, which is pivoted to the swinging post A′ at a point between the second rail, *a*, from the bottom of the gate and the one next to this rail. The pivoted arm G has a roller, *n*, applied near its free end, which roller plays between said two gate-rails to avoid undue friction, and this roller is applied to turn loosely on a pin, *b″*, which is provided with a circular washer, *w*.

D designates a supporting-rod, which is hinged or pivoted at *g*, and which is constructed with teeth *e* on its free end. This rack-rod D passes between the anti-friction roller and the free end of the arm G, and it is intended to engage with the pin *b″* for the purpose of holding the free end of the gate up at any desired angle, to allow small animals to pass beneath the gate when the extension a^2 is inserted into the mortise *d*, but to prevent horses and cows from passing over the threshold of the gate.

The gate A can be swung horizontally, and also moved endwise, when it is set at an angle, as described.

I am aware that broadly it is not new to construct a gate which will both swing and slide and be capable of vertical adjustment, hence do not claim such an invention *per se*; but

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

1. The combination, with a gate, of a horizontal arm, pivoted at one end to a swinging post and provided at its opposite end with a roller and pin, an oblique supporting-rod, pivoted at its upper end to the same post and provided with serrations or their equivalents at its lower end, and batten A^2, with its roller *r*, all substantially as set forth.

2. The combination, with gate A, of swinging post A′, batten A^2, with its roller *r*, stationary post C, oblique supporting-rod D, provided with teeth at its lower end, and having its upper end pivoted to the swing-post A′, and arm G, also pivoted to post A′, and provided with roller *n* and pin *b″*, all constructed and arranged to operate substantially as herein set forth.

3. The combination, in a gate which is adapt-

ed to swing horizontally and vertically and to be moved endwise, of the latch-extension *b*, the locking-extension a^2, the post B, provided with mortises a^3 *d d'*, the pivoted arm G', the rack-rod D, and the catch-pin *b''*, all substantially in the manner and for the purposes specified.

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

ADELBERT L. GEER.

Witnesses:
EDWARD P. ALLEN,
WM. GEER.