

D. KAUFMAN.
Farm-Gates.

No. 150,054.

Patented April 21, 1874.

Fig. 1.

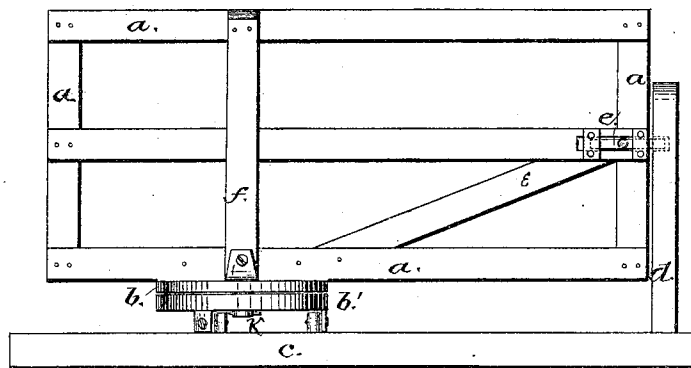


Fig. 2.

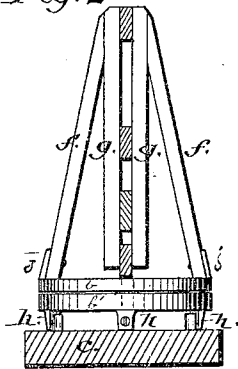
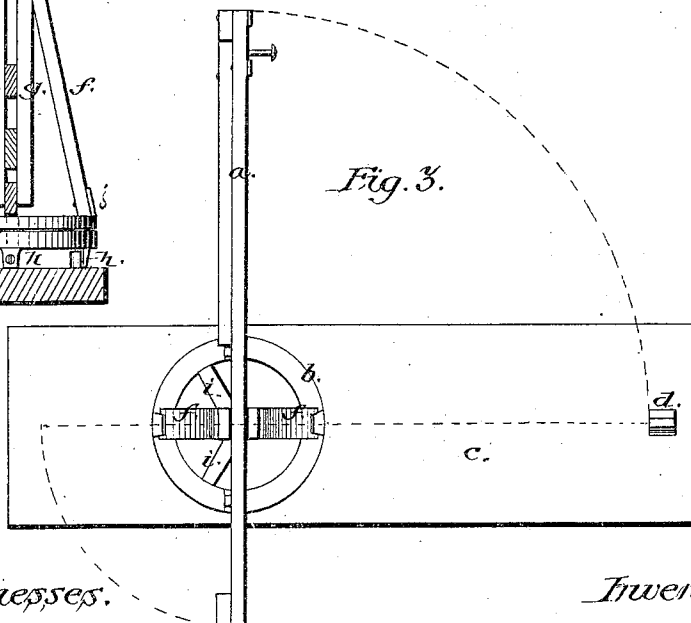


Fig. 3.



Witnesses.

Inventor.

Henry Mower
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UNITED STATES PATENT OFFICE.

DANIEL KAUFMAN, OF BOILING SPRINGS, PENNSYLVANIA.

IMPROVEMENT IN FARM-GATES.

Specification forming part of Letters Patent No. 150,054, dated April 21, 1874; application filed March 24, 1874.

To all whom it may concern:

Be it known that I, DANIEL KAUFMAN, of Boiling Springs, in the county of Cumberland and State of Pennsylvania, have invented a new and useful Improvement in Revolving-Gates, of which the following specification is a description, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing, which forms part of this specification.

Figure 1 is a side view of the gate closed. Fig. 2 is a vertical central section of the same, and Fig. 3 is a top or plan view of the gate opened, showing in dotted lines the arc described both by the front and rear ends of the same.

The object of my invention is to furnish a gate that will not only be simple and cheap in construction, but also one that will not be liable to get out of order, the principal object being to dispense with the usual hinges, or lateral supports and rear posts. My invention consists in two broad metallic bearing-plates, pivoted together and supporting a gate, as hereinafter more fully set forth.

A A are the boards that form the frame of the gate proper. The three horizontal strips join the vertical end strips, and are there secured in the usual manner. These horizontal strips pass between two central uprights, *g g*, to which they are also secured. The gate-frame is supported upon a broad rotating circular metallic bearing-plate or rim, *b*, and is held rigidly in place thereon by two inclined side braces, *f f*, the upper ends of which rest against the gate-frame on either side, and are there secured to the gate. The lower ends of these braces rest upon the outer edge of the bearing-plate *b*, and are bolted firmly to flanges *J* rising from said plate. Beneath this upper movable bearing-plate is a stationary one, *b'*, upon which the other, *b*, revolves, and which forms a base therefor. A bolt, *k*, connects these plates to retain them in position,

and also forms the pivot upon which the gate revolves. The base *c* is shown as having stubs upon its upper surface at *h*, to which flanges on the lower rim or plate *b'* are bolted, or secured in a similar manner. *d* is the gate-post, or the post to which the gate is latched when closed. It is shown as being secured to the base *c*, but instead of this it may be set in the ground. *l* is a brace which runs diagonally across the gate-frame in front of the pivot, the lower end of which rests upon the rim *b'*, and is secured to the lower horizontal strip, while the upper end rests against the inner edge of the front vertical strip, where it is also firmly secured. *i i* are the spokes or horizontal arms in the bearing and base-plates. These plates only touch each other at their centers and upon their outer rim surfaces. *e* is the latch upon the gate-frame, which, when the gate is closed, enters a mortise in the post.

It will be seen from the foregoing that the broad bearing-plates support the gate in a simple manner; that the gate turns easily, and can do no injury if, when unlatched, it be blown back and forth by the wind. The side braces and diagonal brace secure and hold the frame in a rigid manner. I dispense with hinges and hinge-posts for the gate, and furnish a cheap and efficient gate, which can be used for many purposes not herein named, and in many places where other gates would prove insufficient.

What I claim, and desire to secure by Letters Patent, of the United States, is—

The revolving disk *b*, provided with lugs *i* for attaching the gate and its braces *f e* thereto, in combination with the stationary base-disk *b'*, as and for the purpose set forth.

DANIEL KAUFMAN.

Witnesses:

HENRY MOWER,
GEO. BRINDLE, Jr.