W. S. DANGLER.
Gate-Hangers.

No. 199,037. Patented Jan. 8, 1878.

Fig: 1.

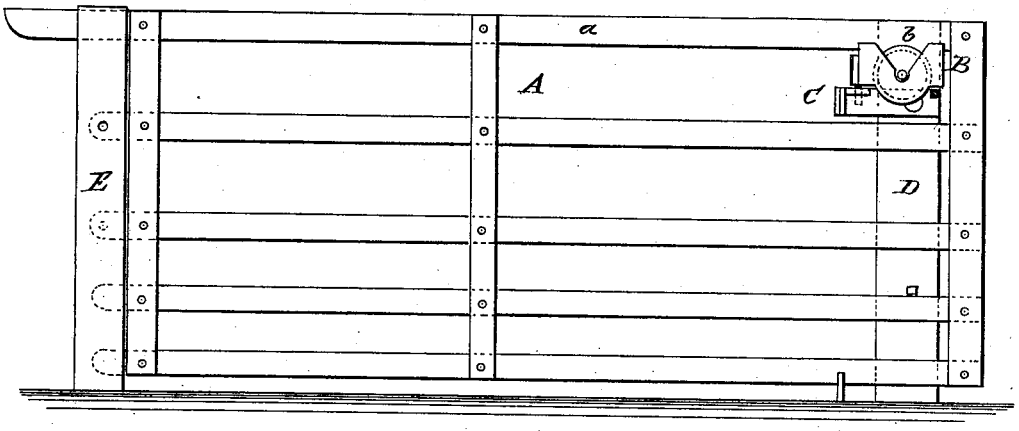


Fig: 3.

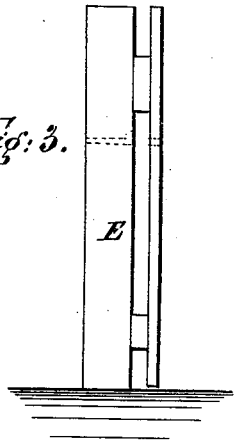


Fig: 2.

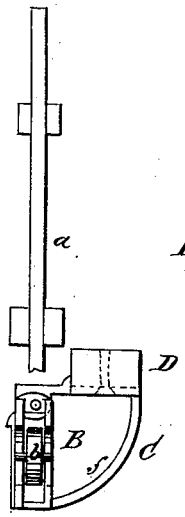
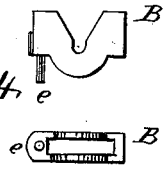


Fig: 4.



WITNESSES:

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INVENTOR:

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UNITED STATES PATENT OFFICE.

WILLIAM S. DANGLER, OF OTTAWA, OHIO, ASSIGNOR OF ONE-HALF HIS RIGHT TO H. J. DANGLER, OF SAME PLACE.

IMPROVEMENT IN GATE-HANGERS.

Specification forming part of Letters Patent No. **199,037**, dated January 8, 1878; application filed August 24, 1877.

To all whom it may concern:

Be it known that I, WILLIAM SCOTT DANGLER, of Ottawa, in the county of Putnam and State of Ohio, have invented a new and Improved Gate-Hinge, of which the following is a specification:

This invention relates to hinges which are especially designed for farm-gates that are allowed endwise movement as well as a swinging movement; and the nature of my invention and improvement consists in a reversible bracket having the form of the quarter of a circle, which is rigidly secured to the gate-post, in combination with a horizontally-vibrating guide-block bearing an anti-friction roller, on which the gate is suspended and movable, as will be hereinafter described.

In the annexed drawing, Figure 1 is a side elevation of a gate having my improved hinge applied to it. Fig. 2 is a top view of the hinge and portions of the top rail of the gate. Fig. 3 is an elevation of the slotted post which receives the free end of the gate. Fig. 4 shows details of the pivoted guide-block.

Similar letters of reference indicate corresponding parts.

The letter A designates a gate which is intended to swing open, or to be opened by moving it endwise. The top rail *a* of this gate is supported upon an anti-friction roller, *b*, which has its bearings in the crotch of a block, B, that is free to swing horizontally on a bracket, C. The block is flanged, and receives between its flanges the top gate-rail *a*, thus affording a guide for this rail.

The guide-block is constructed with a pintle, *e*, which plays in the angular portion of the bracket C, and allows the gate to be swung around horizontally.

The bracket is the fourth part of a circle, and its segmental rail *f* supports the free end of the guide-block B. The rectangular sides of the bracket are constructed with shoulders, so that it is reversible, and can be used either right or left hand. This bracket can be secured to the post D at any desired height.

The post E is slotted vertically to receive the ends of the rails of the gate when it is shut, and provided with supporting-blocks, as shown in Fig. 3.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

In combination with the segmental reversible bracket C, the pivoted guide-block B, flanged and crotched, as described, and provided with an anti-friction wheel, *b*, substantially as specified.

WILLIAM SCOTT DANGLER.

Witnesses:

GEORGE H. KNAPP,

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