

(No Model.)

W. R. WHITE.
HANGING GATES.

No. 252,915.

Patented Jan. 31, 1882.

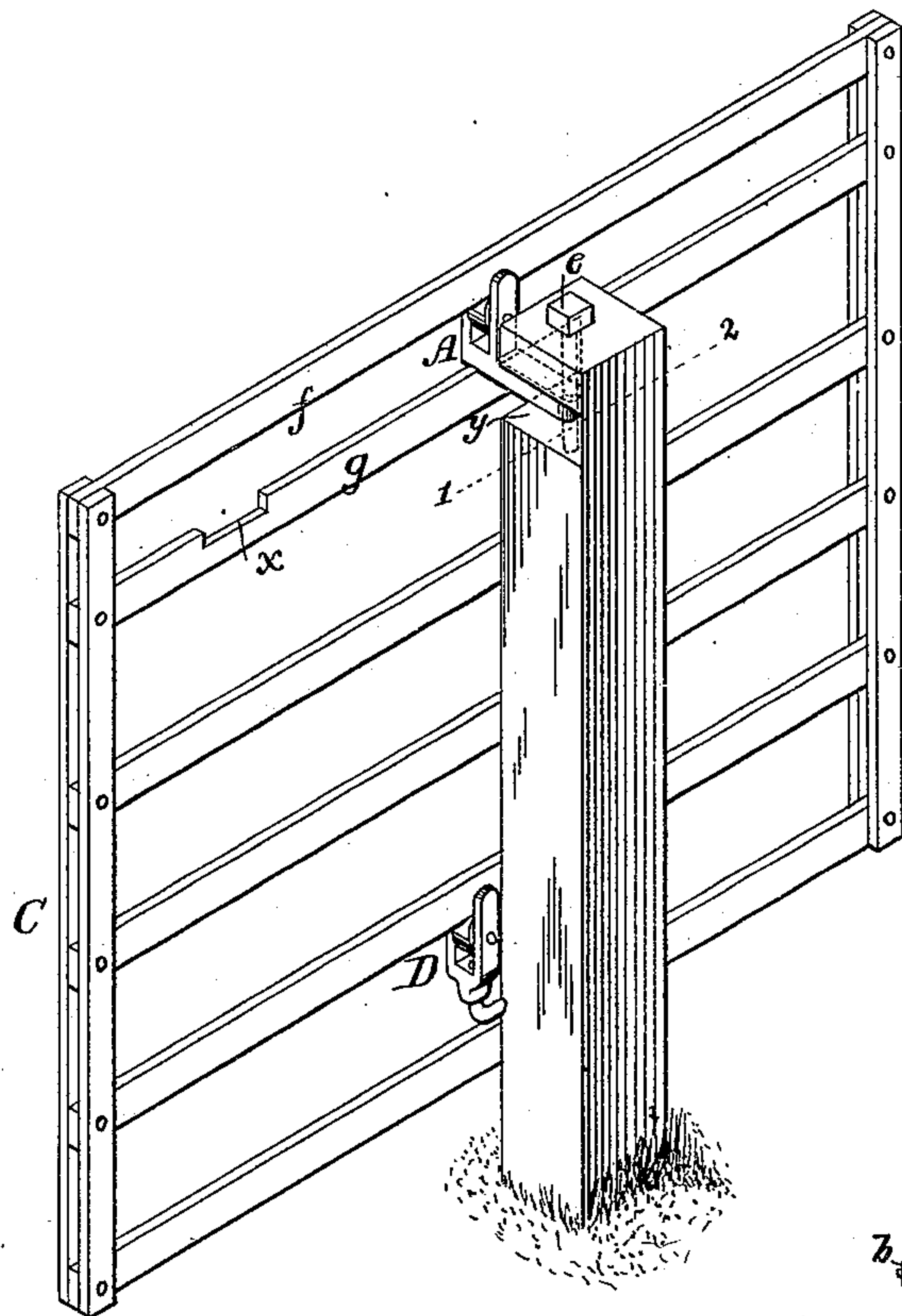


Fig. 1

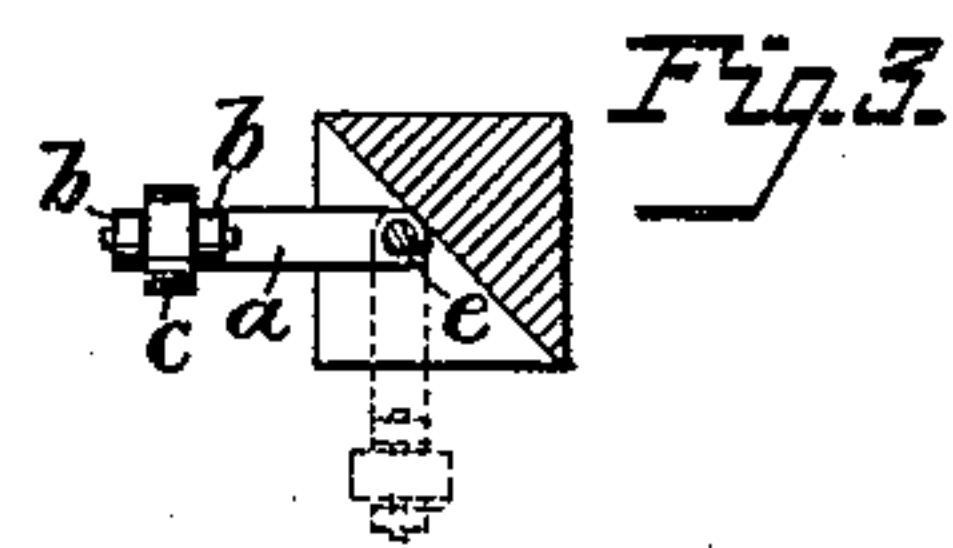


Fig. 3

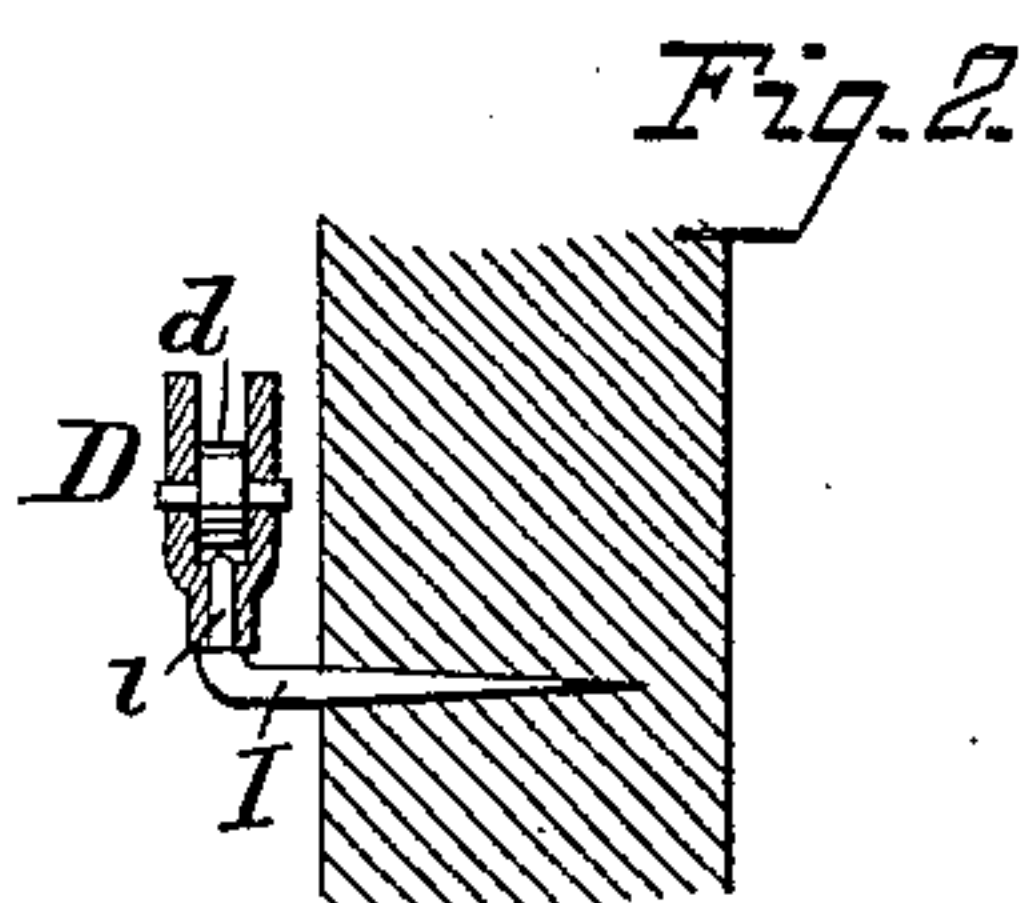


Fig. 2

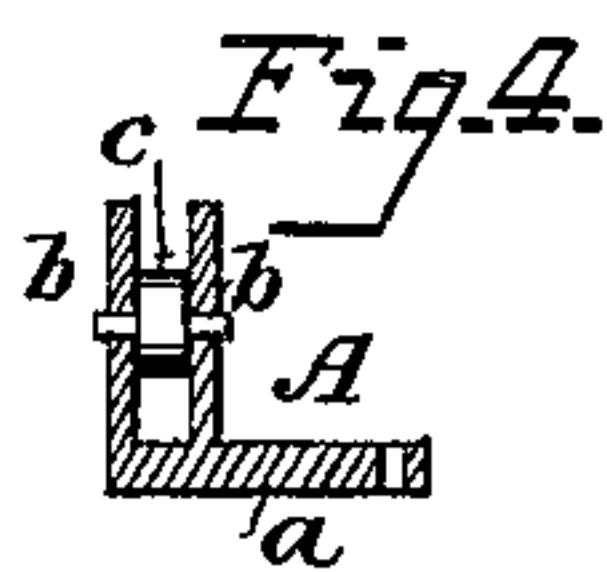


Fig. 4

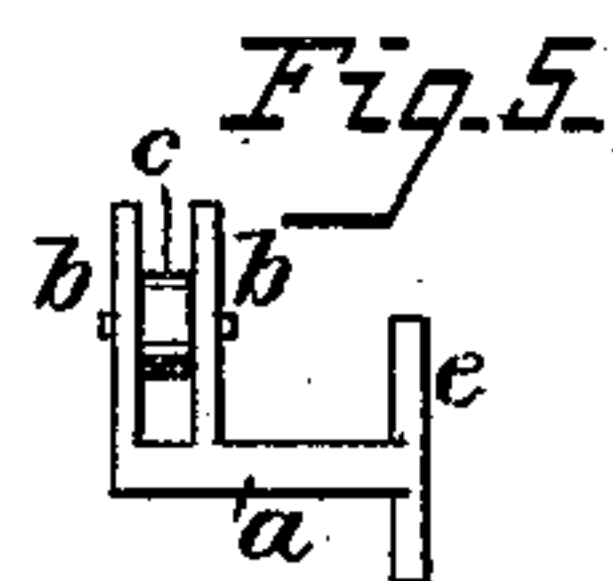


Fig. 5

Attest:
Courtney A. Cooper.
A. G. Hansmann.

W. R. White
By his attorney
Charles E. Foster

UNITED STATES PATENT OFFICE.

WILLIAM R. WHITE, OF NEOGA, ILLINOIS.

HANGING GATES.

SPECIFICATION forming part of Letters Patent No. 252,915, dated January 31, 1882.

Application filed February 5, 1881. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM R. WHITE, of Neoga, in the county of Cumberland and State of Illinois, have invented certain Improvements in Hanging Gates, of which the following is a specification.

My invention relates to that class of gates which are so hung as to slide or roll across the roadway to close the same, and to be partly withdrawn and swung around at right angles to open the passage, the object of my present invention being to furnish a gate of the aforesaid class, which is adapted to be hung and kept in order at very little expense, and at the same time is adapted to operate with ease and efficiency.

My invention consists in a pair of very simple metallic hanger attachments adapted to be applied to an ordinary post by means of a simple bolt and a spike or staple, in combination with a post provided with a diagonal recess to accommodate the upper bracket, and a gate having parallel longitudinal rails, one of which has a single notch to provide for applying the gate to the supports and removing it therefrom, as hereinafter more particularly described and claimed.

In the drawings, Figure 1 is a perspective view, illustrating a post and gate with my improved supports. Fig. 2 is a detached section of the lower support. Fig. 3 is a cross-section on the line 1 2, Fig. 1; Fig. 4, a detached section of the upper support, and Fig. 5 a modification.

The upper bracket, A, has a lateral arm, *a*, and at the extremity of said arm two vertical fingers, *b b*, between which turns the roller *c*. The arm *a* is pivoted to the post within a diagonal recess, *y*, by a vertical bolt, *e*. The bolt may pass through the arm, as indicated in Figs. 1 to 4, inclusive, or may be secured to and form part of the bracket, as shown in Fig. 5. In either case the bracket may swing from one side of the post to the other, carrying with it the gate *c*, one of the rails, *f*, of which rests upon the roller *c* between the fingers *b*. A second rail, *g*, is arranged so close to the rail *f* that the latter cannot be raised from between the fingers *b* except when a notch, *x*, in the rail *g* is beneath the bracket.

The lower support consists of a bracket, D, of a U shape, carrying a roller, *d*, and swiveling upon a spike, I, driven into the corner of

the post. A pin from the bracket D may extend through an opening in the spike I; but I prefer to provide the bracket D with a socket which will receive the pintle *i*, projecting from an ordinary gate-hinge spike or staple, as shown in Fig. 2.

The attachments A D are adapted to be readily and cheaply manufactured, and are applied to a post by simply providing the latter with the recess *y*, (which is readily cut by means of a saw and chisel,) and driving the bolt *e* and spike I in the positions indicated. The upper bracket is very securely supported as well as effectively pivoted within the recess *y* by means of its single bolt, as shown in Fig. 4. The loosening of the bolt by wear cannot affect its efficiency, and the gate is allowed to swivel with great freedom, while the form of said upper bracket serves, further, in the aforesaid combination of parts, to adapt it to co-operate with the rails *f g* of the gate to keep the parts united.

I am aware that the lower support in itself considered is old, that arms swinging on vertical pivots are old in gates of the same general class as mine, and that the other elements of my combination are old in said class of gates, separately considered; but by combining said parts I am enabled to obtain in one and the same simple structure the advantages of a swinging attachment, distributed support, and provision for readily removing the gate proper for repairs or greater freedom of passage, with other advantages aforesaid.

I do not claim a bracket having fingers and a roller and hung to a pin on the post, this being old; but

I claim—

In combination, a post having a transverse corner slot, a bracket, A, having an arm, *a*, fitting in and guided by the said slot, a pivot-pin fitting sockets in the post, a roller turning between fingers of the bracket, and a gate supported on the roller, all as set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

WILLIAM RICHARD WHITE.

Witnesses:

C. A. BUSKIRK,
AMELIA F. BUSKIRK,
JAMES L. SMITH.