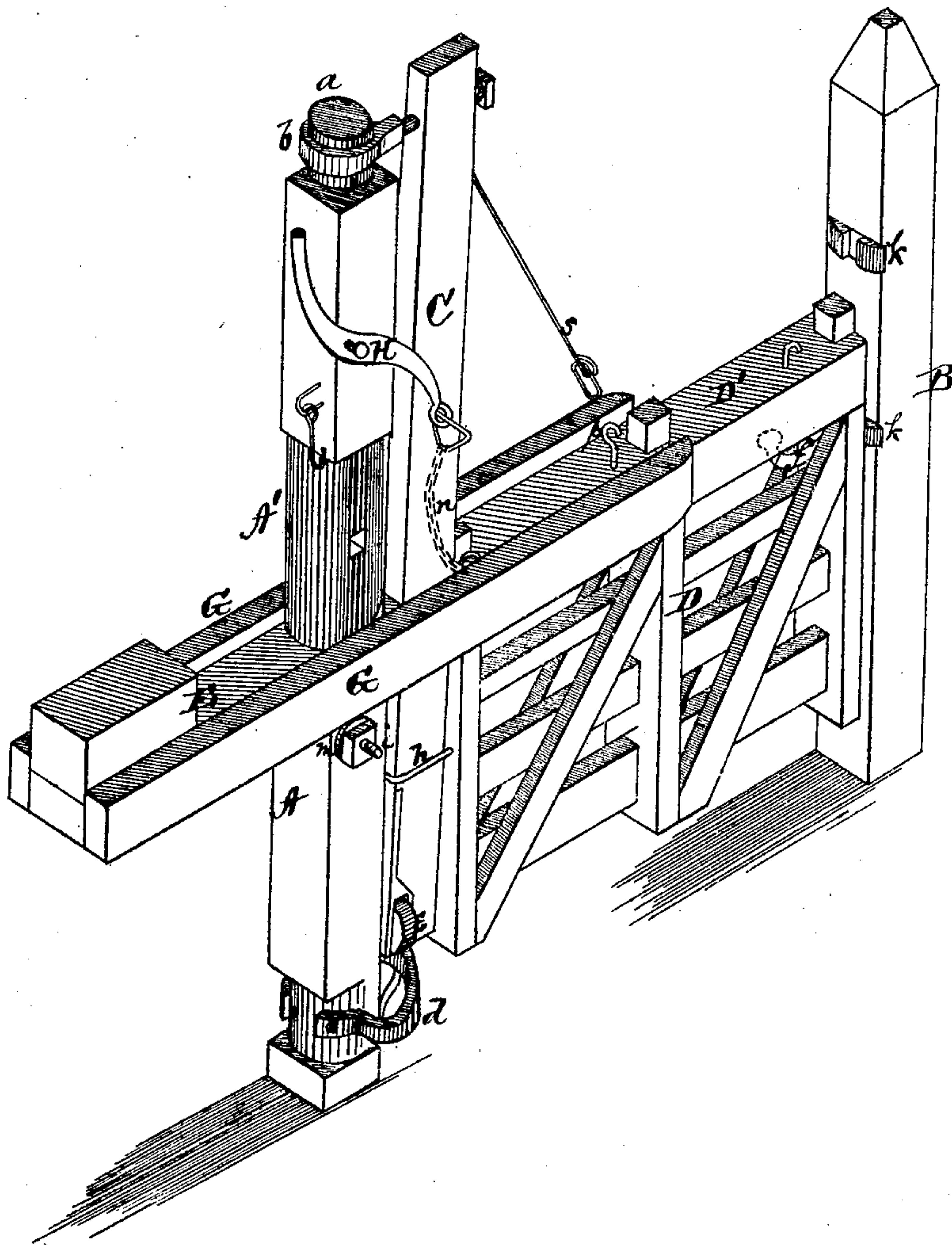


Improvement in Gates.

Patented Aug. 27, 1872.



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IMPROVEMENT IN GATES.

Specification forming part of Letters Patent No. 130,946, dated August 27, 1872.

To all whom it may concern:

Be it known that I, MATHEW SCHNEIDER, of Rochester, in the county of Olmsted and in the State of Minnesota, have invented certain new and useful Improvements in Gates; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon making a part of this specification.

The nature of my invention consists in the construction and arrangement of a gate, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, which represents a perspective view of my gate.

A represents the inner fence-post, and B the outer. The inner fence-post A has a rounded portion, A', in the center and a metal-cased tenon, *a*, at its upper end. On this tenon is placed a metal ring or loop, *b*, provided with a bolt, which is fastened in or near the upper end of a post, C, forming the upper hinge, on which said post C may turn. At the lower end of the post C is attached a roller, *e*, which rests and moves upon a semicircular bar, *d*, attached at or near the lower end of the stationary post A. D represents the gate constructed in any suitable manner and provided at its outer end with a spring-catch, *f*, to fasten the gate when closed to the outer gate-post B. At the inner end of the gate is a metal or wire loop H, which surrounds the post C, and acts as a guide in holding the gate in proper position while moving it up and down on said post C. Along the upper edge of the gate is a heavy bar, D', which extends clear to the post A, and has a mortise through which the post C passes. On the front and rear of the bar D' are attached other bars, G G, which extend parallel with the bar D' and a suitable distance beyond the post A, and have a weighted bar, E, between them. The inner ends of the bars D' and E are rounded to fit the rounded part A' of the post A, and to be capable of being moved up and down on said rounded part of the post. Through the post A passes a bolt, *i*, with a wheel or roller, *m*, on each end, upon which rollers the bars G G rest. The under sides of these bars around the post A are level with the bars D' E, and metal-

plated, so that when the gate turns said bars will slide easily over or on said rollers.

When the gate is turned in either direction the post C swings by its loop *b* on the tenon *a*, and by the roller *e* moving on the semicircular rail *d*, the weighted bar E balancing the gate and keeping it perfectly steady. The spring-latch *f* catches in the catch *k* on the post B to keep the gate shut. The gate may be raised up to any suitable height and still turn in either direction, as desired. On the side of the post A, a suitable distance above the gate, is pivoted a lever, H, to one end of which may be hooked a chain, *n*, attached to the bar D' of the gate, and when the chain is so hooked to the lever the gate may be raised bodily by the aid of said lever, the gate sliding on the rounded part A' on the post A and on the post C, the loop *h* also sliding on said post C.

When the gate has been raised to the desired height a hook, *p*, on the gate attaches to a rod, *s*, attached to the post C, and thus holding the gate. The bolt *i*, with the rollers *m m*, are then moved up so that the rollers will be under the bars G G, as before. The spring-latch *f* in this case engages with another catch on the post B.

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

1. The combination of the stationary post A with rounded part A', tenon *a*, and semicircular rail *d*, and the swinging post C with loop *b* and roller *e*, all substantially as and for the purposes herein set forth.

2. The combination of the posts A and C, gate D, with loop *h* and bars D', G G, and E, substantially as and for the purposes herein set forth.

3. The combination of the posts A, B, and C, loop *b*, tenon *a*, roller *e*, track *d*, gate D, loop *h*, bars D', G G, and E, rollers *m m*, lever H, chain *n*, hook *b*, and rod *s*, all constructed and arranged substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 29th day of June, 1872.

MATHEW SCHNEIDER.

Witnesses:

CHAS. SHANDREW,
HENRY C. BUTLER.