

W. E. ROBINSON.

GATE.

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936,812.

Patented Oct. 12, 1909.

Fig. 1.

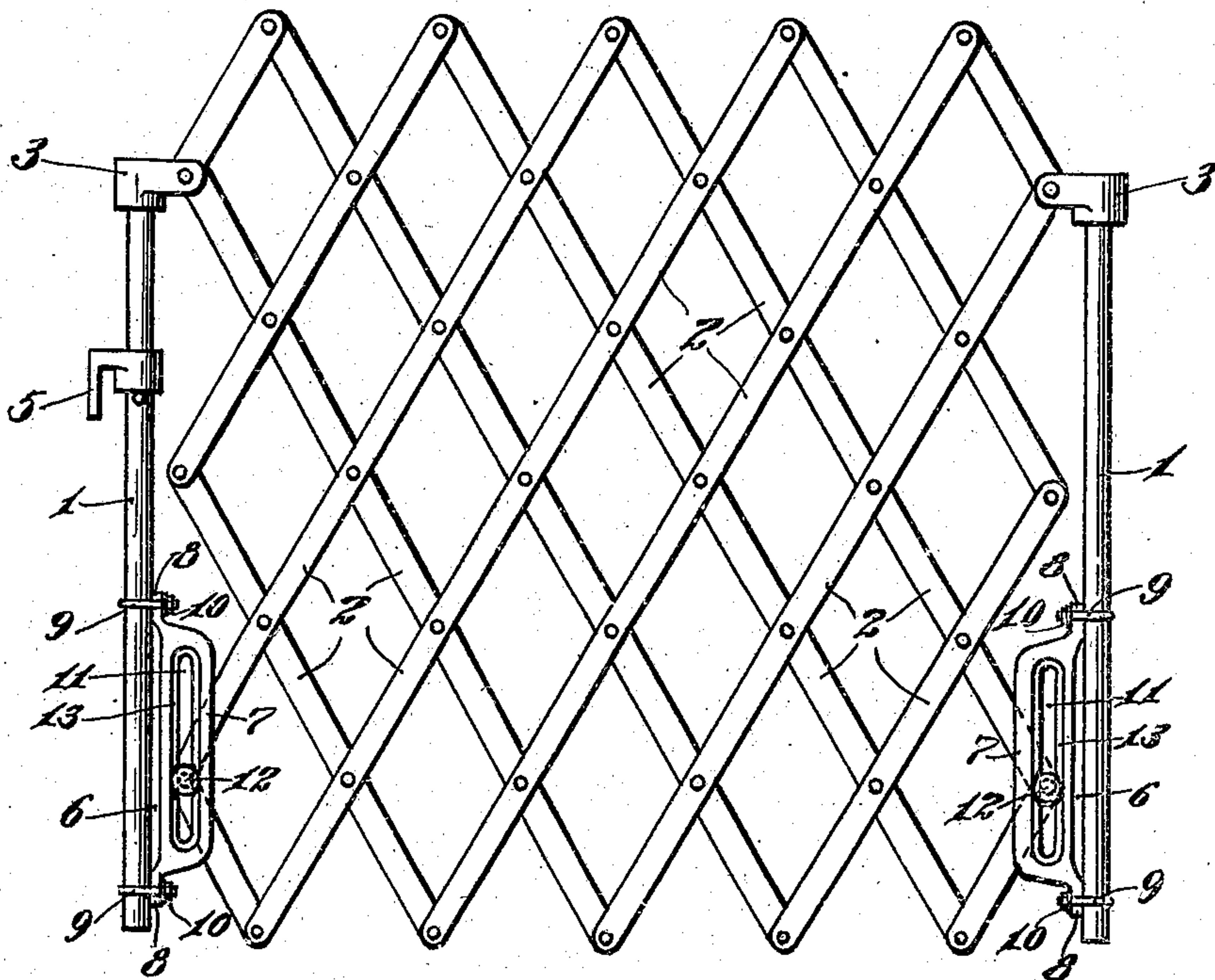


Fig. 2.

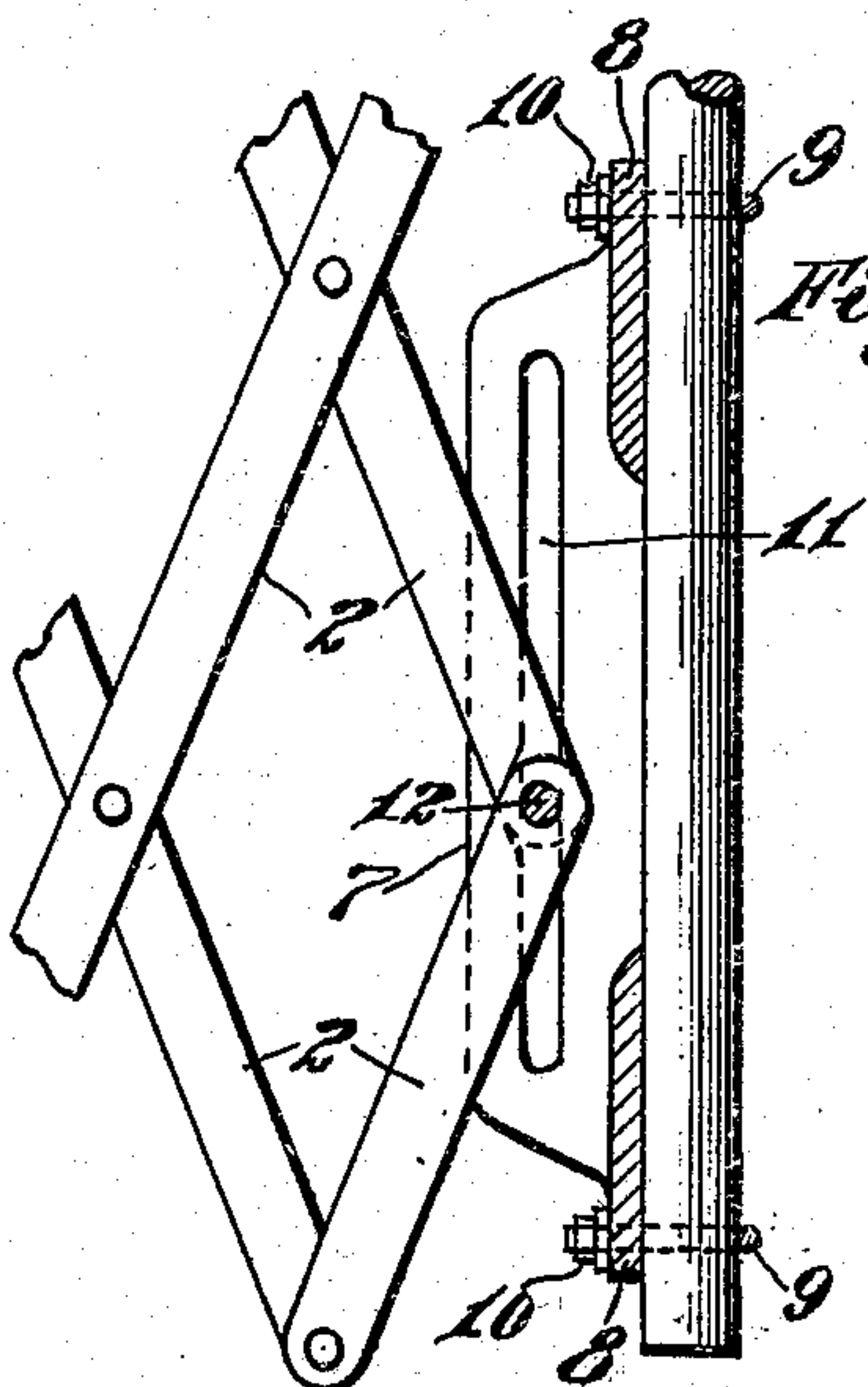
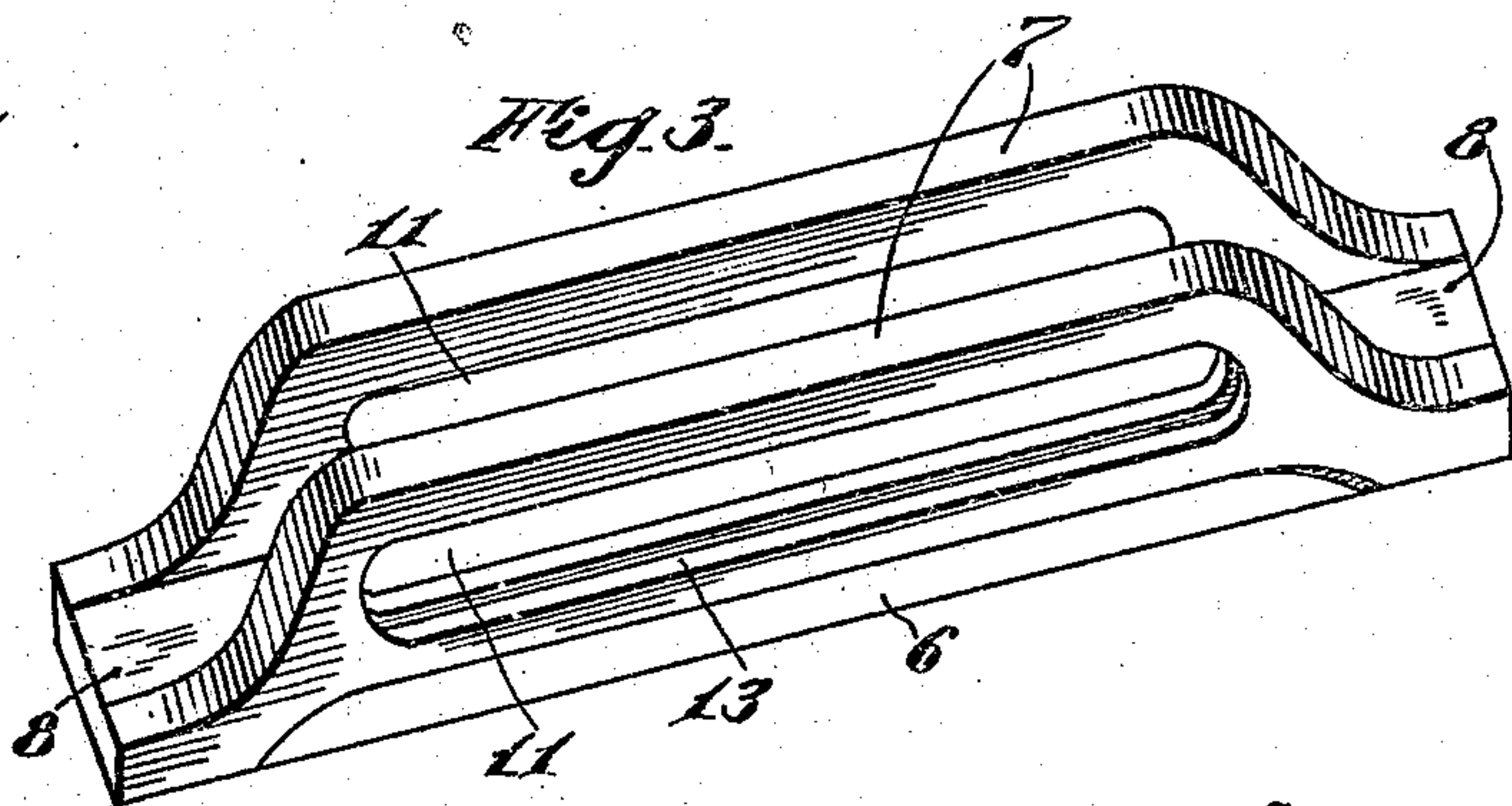


Fig. 3.



Witnesses
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UNITED STATES PATENT OFFICE.

WILLIAM E. ROBINSON, OF PHILADELPHIA, PENNSYLVANIA.

GATE.

936,812.

Specification of Letters Patent.

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Application filed April 8, 1909. Serial No. 488,692.

To all whom it may concern:

Be it known that I, WILLIAM E. ROBINSON, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Gates, of which the following is a specification.

My invention relates to improvements in gates, and more particularly gates of the lazy tong type, the object of the invention being to provide an improved construction of guide bracket for the mounting of the pivot pin, of a lower pivotal connection between two of the links constituting the lazy tong gate.

A further object is to provide improvements of this character, which can be easily attached to a gate, which will compensate for the movement of the pivotal connection between the links, and which can be readily detached and replaced in the event of injury.

A further object is to provide an improved bracket of the character described, which shall be extremely simple in construction, neat and attractive in appearance, cheap to manufacture, and strong and durable in use.

With these and other objects in view, the invention consists in certain novel features of construction, and combination, and arrangements of parts as will be more fully hereinafter described and pointed out in the claim.

In the accompanying drawings, Figure 1 is a view in side elevation illustrating my improvements. Fig. 2, is an enlarged fragmentary view in vertical section, and Fig. 3, is a perspective view of my improved bracket.

1, 1, represent the vertical end posts or tubes of the gate, and 2 are the links pivotally connected, forming the ordinary lazy tong gate. This lazy tong connection is pivotally connected to the upper ends of the posts 1 by means of brackets 3, and at the lower end of the posts by means of my improved brackets 6.

A suitable locking finger 5, such as ordinarily employed, is mounted on one of the posts to lock the gate in open or closed position. On the lower portion of the posts 1, my improved brackets 6 are secured. This bracket comprises a base portion having parallel webs 7, 7, tapering toward the base

at their ends forming flat shoulders 8, around which U-bolts 9 are positioned, and secured by nuts 10 to securely clamp the bracket to the post. The webs 7 are made with longitudinal slots 11 to receive a bolt 12, constituting a pivotal connection of said lazy tong gate, and said webs 7 around said slots 11 are recessed as shown at 13, to accommodate the head of bolt 12 and a nut thereon, and allow the pivotal connection to have free vertical movement in the bracket as the gate is opened and shut.

A bracket such as above described, affords very slight resistance to the folding of the gate, as the bolt 12 has free sliding movement in the bracket, and does not interfere with the movement of the gate. Then again, a bracket of this kind can be readily attached to a post, and does not require any very minute adjustment or positioning to allow the gate a proper folding movement, as the slots 11 afford a wide range of movement to the pivotal connection or bolt 12.

Slight changes might be made in the general form and arrangement of parts described without departing from my invention, and hence I do not restrict myself to the precise details set forth, but consider myself at liberty to make such changes and alterations as fairly fall within the spirit and scope of the claim.

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

In combination with parallel posts, brackets secured to the posts, each bracket comprising parallel webs, and a base, said webs having longitudinal slots, and said webs recessed on their outer faces around said slots, said base extending beyond the webs of both ends, U-bolts around said extended ends and around the posts securing the brackets thereto, a lazy tong gate pivotally connected to said posts, and pivotal connections of said gate movable in said slots in the webs, and said pivotal connections countersunk in the recessed portions of the webs.

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

WILLIAM E. ROBINSON.

Witnesses:

RALPH WILKINSON,
DANIEL R. SMITH.