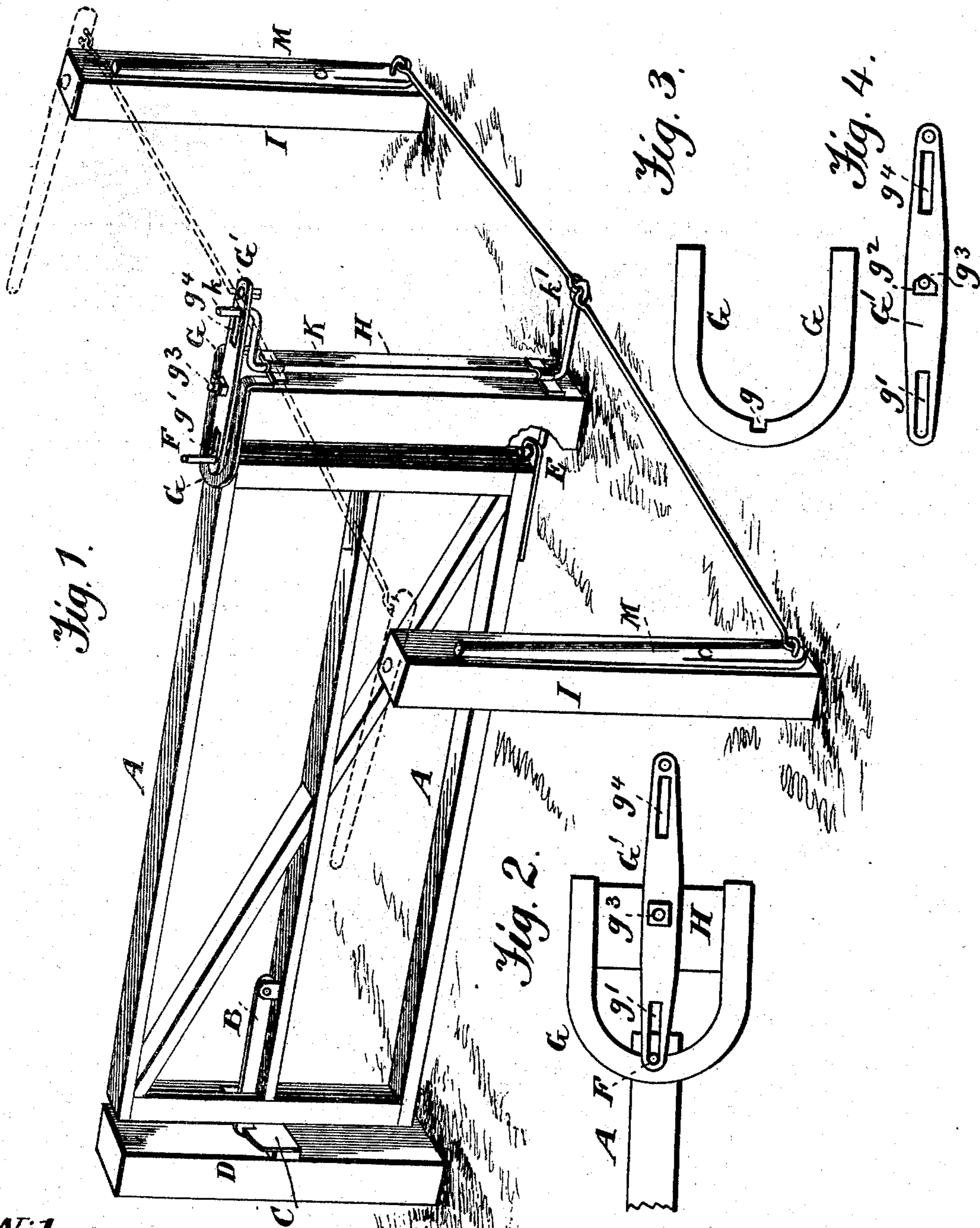


(No Model.)

J. C. WILSON.  
SWINGING GATE.

No. 502,338.

Patented Aug. 1, 1893.



Witnesses.  
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# UNITED STATES PATENT OFFICE.

JOHN C. WILSON, OF WASHINGTON, PENNSYLVANIA.

## SWINGING GATE.

SPECIFICATION forming part of Letters Patent No. 502,338, dated August 1, 1893.

Application filed January 28, 1893. Serial No. 459,967. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN C. WILSON, a citizen of the United States, residing at Washington, in the county of Washington and State of Pennsylvania, have invented certain new and useful Improvements in Swinging Gates; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

The special object of the invention is to make a swinging gate which will latch both at the front and rear, be securely locked against the efforts of stock and be easily operated by hand or vehicles.

Figure 1 of the drawings is a perspective view of the gate and posts against which it swings with the operative mechanism; Fig. 2 a detail plan view of the locking mechanism; Fig. 3 a detail plan view of the guide yoke, and Fig. 4 a similar view of the lever which raises and turns the gate.

In the drawings, A represents a gate which may be of any preferred construction but should be provided with a rear pivoted latch B working in a catch C on a post D in the usual way. The bottom rear corner of the gate has a hook and eye hinge E, the eye being sufficiently loose on the hook or pintle to allow for the tilting of the gate in a vertical plane.

On top of the rear stile of the gate, I place the vertical pin F which sits in the notch  $g$  of the yoke G which is made fast in a horizontal position on top of the post H, and extends over the rear stile of the gate.

G' is the lever by which the gate is unlocked and turned, and it has at the front end a slot  $g'$ , while in the middle is made the bearing  $g^2$  for its fulcrum  $g^3$  which is on the post H. The fulcrum bearing  $g^2$  is of a peculiar form, namely pentagonal, and so large as to allow

a back and forward as well as a lateral movement. By turning the lever G' to either side, the gate-pin F is pulled back out of the yoke-notch  $g$  which serves to lift the gate enough at the front and to unlatch it, the pin then traveling along the inner edge of the yoke as the gate swings open. At the same time, the fulcrum bearing moves against the fulcrum  $g^3$  to accommodate itself to the changes of position. The lever G' has also a rear slot  $g^4$  in which works the crank arm  $k$  of the vertical shaft K, the latter being also provided with a horizontal arm  $k'$ . M M are hand-levers which may be placed vertically near the bottom of posts I I, or horizontally at the top thereof, the same being fulcrumed on the said posts to be within convenient reach of the walker or rider. These levers are connected with the crank arm  $k'$  of the shaft K at the bottom, or at the top directly with the rear end of the lever G'.

The crank shaft K may if desired, be connected with the usual mechanism by which the wheels of a vehicle may automatically open and close the gate as it is approached.

What I claim as new, and desire to protect by Letters Patent, is--

The combination with a gate hinged at bottom to admit of being tilted on the hinge E in a vertical plane and provided with a vertical pin on top of the rear stile, of a yoke G fastened horizontally on the top of the post and having the inside notch  $g$  and the lever G' fulcrumed on the post, having the front slot  $g'$  and the middle bearing  $g^2$ , the latter made pentagonal in shape to play forward and back as well as laterally; whereby the turning of this lever by hand or suitable mechanism, will lock or unlock the gate and swing it as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

JOHN C. WILSON.

Witnesses:

A. RUPPERT,  
CHAS. L. DU BOIS.