

(No Model.)

U. DREESMAN & J. WAGLER.
GATE.

No. 482,005.

Patented Sept. 6, 1892.

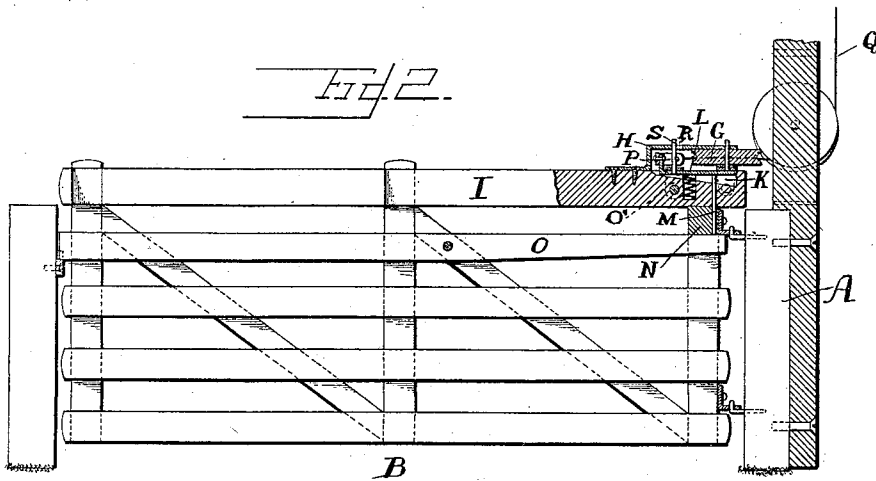
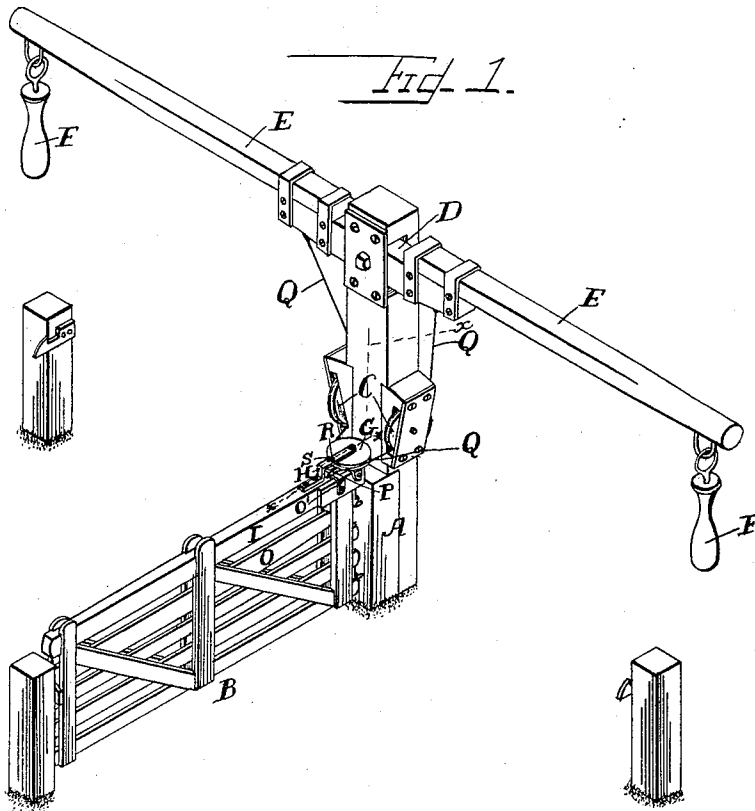
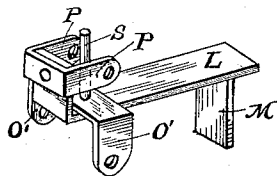


Fig. 3.



Witnesses
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UNITED STATES PATENT OFFICE.

UDO DREESMAN, OF PEKIN, AND JOSEPH WAGLER, OF TREMONT, ILLINOIS.

GATE.

SPECIFICATION forming part of Letters Patent No. 482,005, dated September 6, 1892.

Application filed January 29, 1892. Serial No. 419,659. (No model.)

To all whom it may concern:

Be it known that we, UDO DREESMAN, of Pekin, and JOSEPH WAGLER, of Tremont, in the county of Tazewell and State of Illinois, have invented certain new and useful Improvements in Gates; and we do hereby 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.

Our invention relates to improvements in swinging gates, the object of the same being to provide a gate of this character with means for automatically unlatching and opening the same.

With the above ends in view our invention consists in certain features of construction and combinations of parts, as will be hereinafter fully described, and pointed out in the claim.

In the accompanying drawings, Figure 1 is a perspective view of the gate. Fig. 2 is a side elevation of the gate B, the rear upper corner of the same and the rear portion of the hinge-post A being shown in vertical section; and Fig. 3 is a detached perspective view of the lever L employed in this improved gate.

A represents a standard, to which is hinged the gate B and in which are journaled the pulleys C. The upper part of the standard is provided with a horizontal open slot, in which is pivoted the beam D, to which are attached the arms E, provided at their free ends with the hand operating-pendants F.

To one end of the gate B is secured the horizontal pulley G, which is movably held by means of the bracket H.

The rail I of the gate is provided with the recess K, in which is located the lever L, the same being provided with the elbow M, which passes through the rail I and is adapted to bear against the latch O, which is so pivoted to the gate that its center of gravity will be far enough forward to make it impinge constantly against the elbow M and cause it to remain elevated. The lever L is pivoted to

the gate by means of the clip O', which forms part thereof, and the said lever is provided at its opposite end with the arms P, which are perforated to receive the cords and chains Q, which are secured thereto. The opposite ends of said cords or chains are suitably secured to the pivoted beam D. The bracket H is provided with the slot R to receive the pin S, which is secured to the lever L, the object of the same being to limit the motion of said lever.

In operation it will be seen that when one side of the beam H is lowered it will cause the opposite end to rise, whereby the cord attached thereto is tightened and swings the lever L forward, causing the elbow M to bear against the latch O, elevating the free end thereof, and simultaneously with such movement when the latch is released from the catch the gate will swing open in the direction of the elevated part of the beam and remain in such position until said beam is lowered, when the opposite cord is tightened and the gate closed.

Having fully described our invention, what we claim as new, and desire to secure by Letters Patent, is—

The combination, with the standard A, of a beam D, pivoted in a recess near its upper end, pulleys C C, secured in pulley-blocks upon opposite faces of the standard A, the gate B, hinged to the standard A and provided with a recess K in its upper rail, a lever L, located in said recess, provided with the clip O', the pin S, an elbow M, passed through the rail I and bearing against the latch O, and with the perforated arms P and the connecting-cords Q Q, substantially as specified.

In testimony whereof we have signed this specification in the presence of two subscribing witnesses.

UDO DREESMAN.
JOSEPH WAGLER.

Witnesses:

ADOLPH FEHRMAN,
GEO. A. KUHL.