

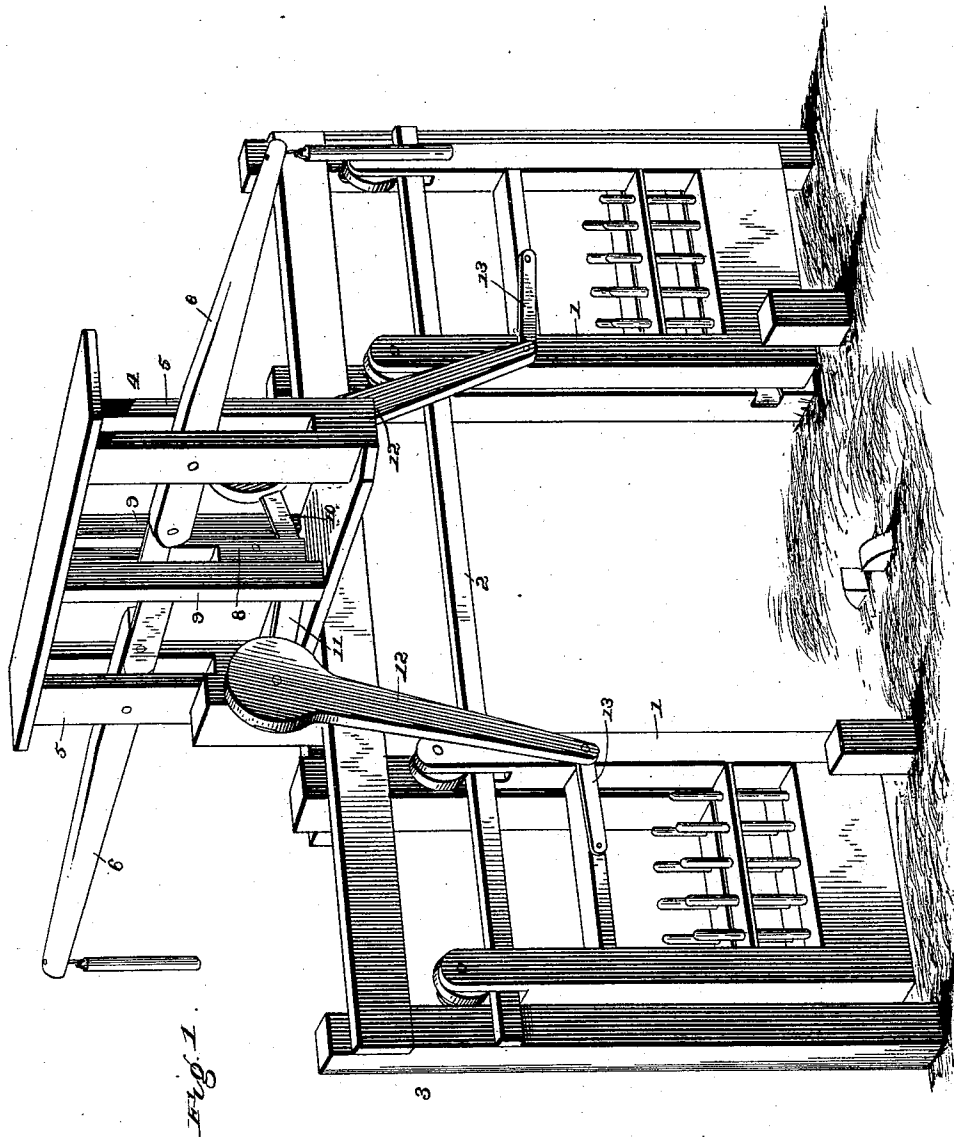
(No Model.)

2 Sheets—Sheet 1.

A. WILKINSON.
SLIDING GATE.

No. 486,803.

Patented Nov. 22, 1892.



Witnesses

J. M. Johnson
N. H. Riley

Inventor

Asbury Wilkinson

By *his* Attorneys,

C. A. Snow & Co.

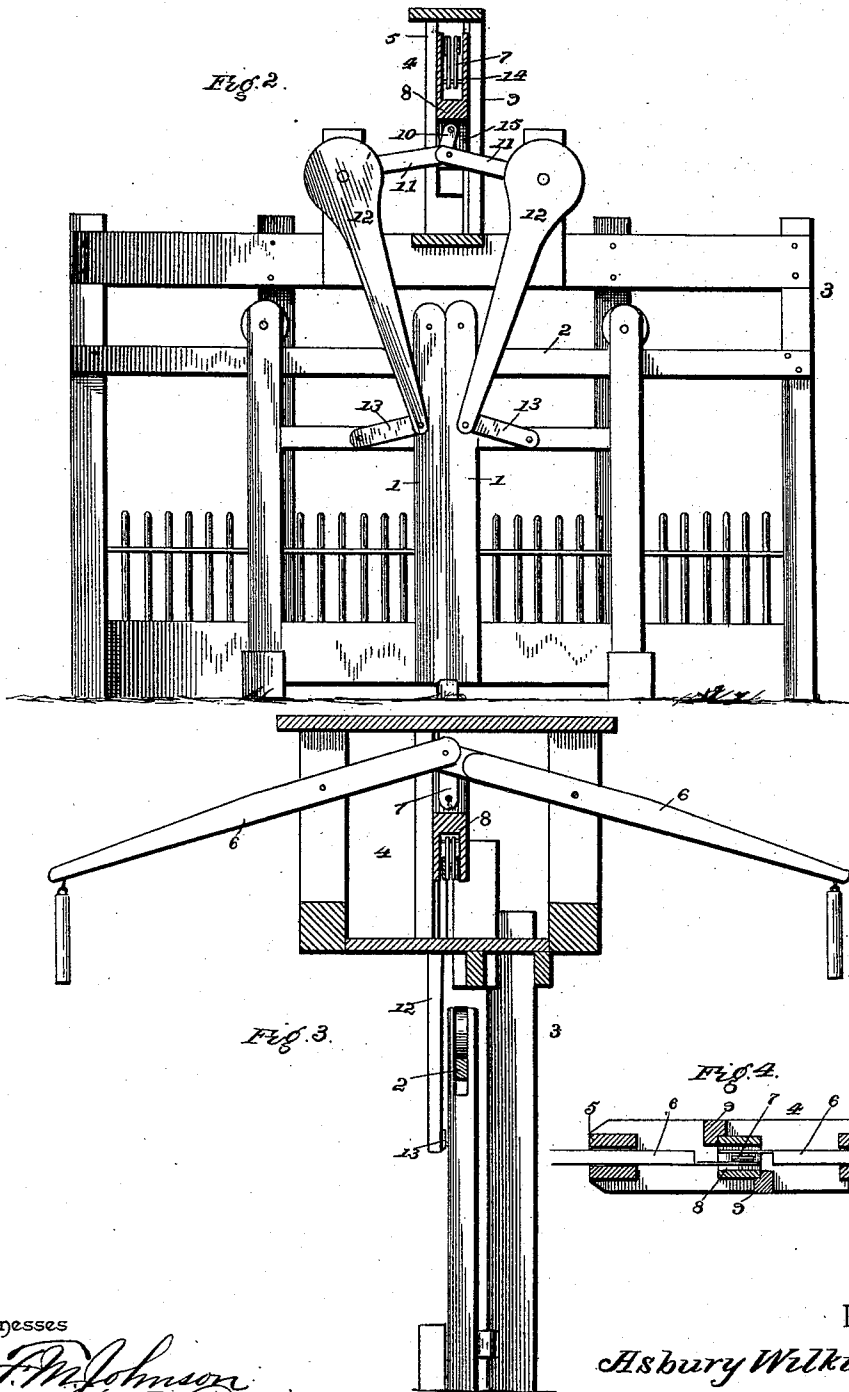
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UNITED STATES PATENT OFFICE.

ASBURY WILKINSON, OF LAKE CHARLES, LOUISIANA.

SLIDING GATE.

SPECIFICATION forming part of Letters Patent No. 486,803, dated November 22, 1892.

Application filed May 9, 1892. Serial No. 432,290. (No model.)

To all whom it may concern:

Be it known that I, ASBURY WILKINSON, a citizen of the United States, residing at Lake Charles, in the parish of Calcasieu and State of Louisiana, have invented a new and useful Sliding Gate, of which the following is a specification.

The invention relates to improvements in sliding gates.

The object of the present invention is to simplify and improve the construction of sliding gates and to increase their ease of operation.

The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claims hereto appended.

In the drawings, Figure 1 is a perspective view of a sliding gate constructed in accordance with this invention. Fig. 2 is a vertical sectional view taken longitudinally of the gates. Fig. 3 is a transverse sectional view. Fig. 4 is a detail sectional view taken horizontally of the supplemental frame.

Like numerals of reference indicate corresponding parts in all the figures of the drawings.

1 1 designate sliding gates which are suspended from a horizontal track-bar 2 of a supporting-frame 3, forming a gateway and having mounted upon it a transversely-disposed rectangular frame 4, in the sides 5 of which are fulcrumed operating-levers 6, connected with and adapted to open and close the gates 1 and extending from opposite sides of the same a sufficient distance from the gateway to enable them to be readily operated from on horseback or from a vehicle approaching and leaving the gateway. The operating-levers have their inner ends connected by links 7 with a vertically-sliding weighted block 8, which is arranged in vertical guides 9 and which is connected by link-plates 10 with inwardly-extending arms 11 of gate-levers 12, and the latter are fulcrumed at their upper ends on the supporting-frame and have their lower ends pivoted to links 13, which are also pivoted to the sliding gates 1, whereby when the block is raised by depressing the outer

ends of the operating-levers the gates 1 will be closed and by lowering the block they will be opened. The vertical guides 9 are diagonally disposed at opposite corners of the vertically movable block 8 and are recessed to receive the edges of the block and they enable the block to move freely. The weighted block is provided at its upper and lower ends with openings or bifurcations 14 and 15, which are disposed at right angles to each other. The inwardly-extending arms 11 are approximately horizontal and make bell-crank levers of the gate-levers. The weighted block, which is constructed of metal, serves to counterbalance the levers and to enable the parts to move freely, and it greatly facilitates the operation of the sliding gates. The link-plates 7 and 10 are pivoted in the openings or bifurcations of the weighted block.

It will be seen that the means for operating the sliding gates are simple and comparatively inexpensive in construction and that the parts are counterbalanced to enable them to move freely.

What I claim is—

1. The combination of a supporting-frame having a track-bar and provided with a transversely-disposed supplemental frame, sliding gates suspended from the track-bar, gate-levers fulcrumed on the supporting-frame and connected with the sliding gates and having inwardly-extending arms, a vertically-sliding weighted block mounted on the supplemental frame and having its lower end connected with the arms of the gate-levers, and operating-levers fulcrumed on the supplemental frame and connected with the upper end of the sliding block, substantially as described.

2. The combination of a supporting-frame having a track-bar, a transversely disposed supplemental frame mounted on the main frame and provided with vertically-arranged diagonally-disposed guides, the vertically-movable weighted block arranged in the guides and having openings at its upper and lower ends arranged at angles to each other, the operating-levers fulcrumed on the supplemental frame, the upper links pivoted in the upper opening of the block and to the oper-

ating-levers, sliding gates suspended from
the track-bar, gate-levers fulcrumed on the
supporting-frame and having their lower ends
connected with the sliding gates and provided
5 at their upper ends with inwardly-extending
arms, and the links arranged in the lower
openings of the block and connecting the same
with the arms, substantially as described.

In testimony that I claim the foregoing as
my own I have hereto affixed my signature in the
presence of two witnesses.

ASBURY WILKINSON.

Witnesses:

A. C. WILLIAMSON,
FRANK ROBERTS.