

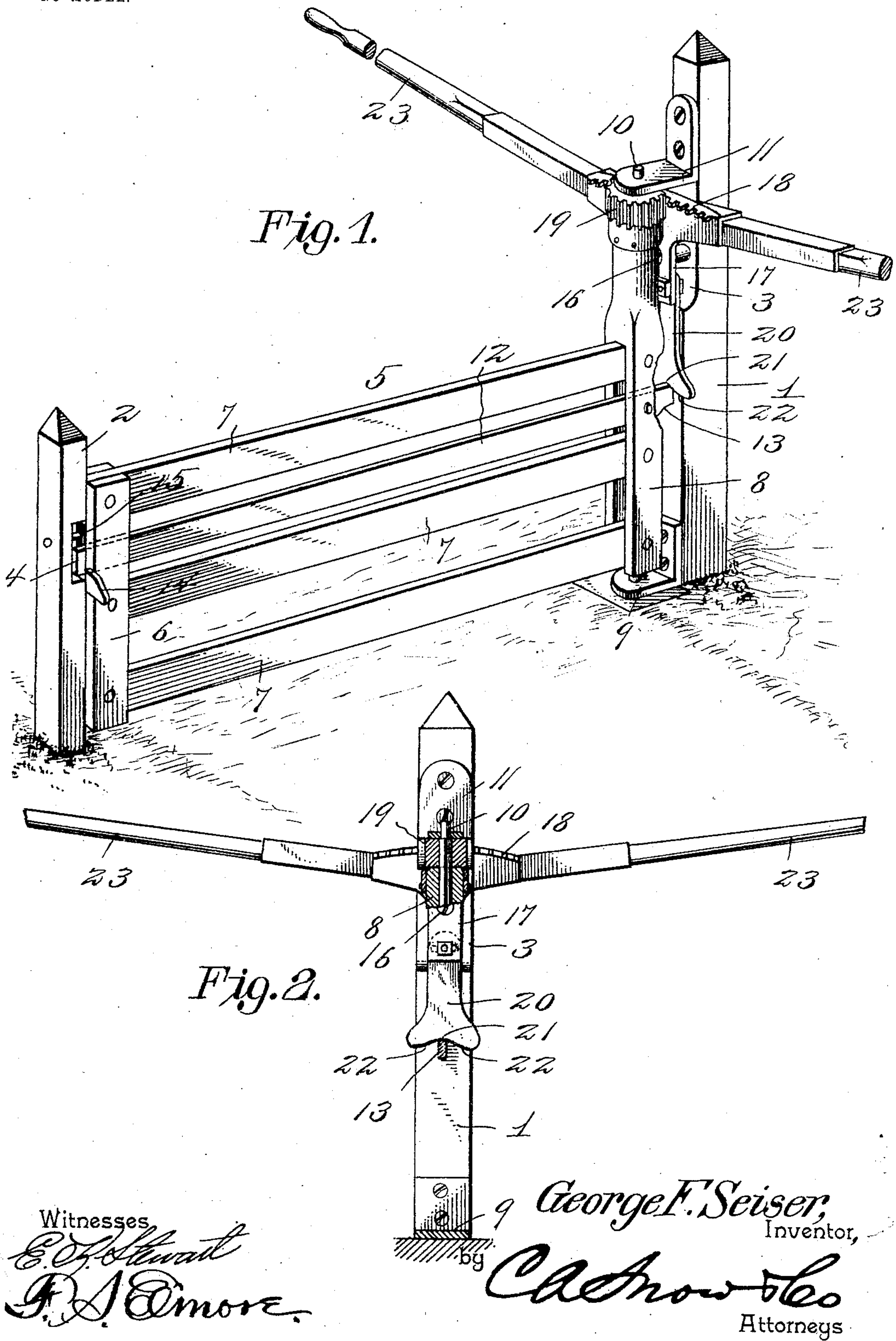
No. 771,579.

PATENTED OCT. 4, 1904.

G. F. SEISER.
GATE.

APPLICATION FILED APR. 12, 1904.

NO MODEL.



UNITED STATES PATENT OFFICE.

GEORGE F. SEISER, OF PORT ROYAL, KENTUCKY, ASSIGNOR OF THREE-FIFTHS TO DUDLEY SMITH CHILTON AND JOHN YOUNG, OF PORT ROYAL, KENTUCKY.

GATE.

SPECIFICATION forming part of Letters Patent No. 771,579, dated October 4, 1904.

Application filed April 12, 1904. Serial No. 202,852. (No model.)

To all whom it may concern:

Be it known that I, GEORGE F. SEISER, a citizen of the United States, residing at Port Royal, in the county of Henry and State of Kentucky, have invented a new and useful Gate, of which the following is a specification.

My invention relates to gates, and has for its objects to produce a comparatively simple inexpensive device of this character which may be readily and positively operated at points on either side of and remote from the gate and one in which the latching mechanism will be automatically actuated to release the gate at the beginning of the opening of the latter.

To these ends the invention comprises the novel features of construction and combination of parts more fully hereinafter described.

In the accompanying drawings, Figure 1 is a perspective view of a gate embodying the invention. Fig. 2 is a transverse sectional elevation of a portion of the same.

Referring to the drawings, 1 designates the hinge-post, and 2 the latch-post, these parts being of the usual construction and material, except that the front face of the post 1 is recessed or inset, as at 3, while the post 2 has its inner face mortised, as at 4, both for a purpose which will hereinafter appear.

Disposed between the posts 1 and 2 is a gate 5, comprising a front vertical bar 6, horizontal rails 7, and a rear vertical pivotal post 8, stepped at its lower end in a suitable bearing 9 and carrying at its upper end a pintle or axle 10, journaled in a bearing-bracket 11, attached to the post 1, whereby the gate is pivotally mounted to swing in a horizontal plane.

Pivoted to the post 8, to swing in a vertical plane, is a latching bar or member 12, the rear end of which projects, as at 13, slightly in rear of said post, while its forward end likewise projects in advance of the front bar 6 and normally extends into the mortise 4 for engagement with a keeper 14, attached to the inner face of the post 2, there being disposed within said mortise a stop or abutment in the form of a pin 15, with which the end of the latching member contacts as the gate swings to closed position for checking the momentum of the latter and causing the latch member to

properly engage with its keeper, as is common and well understood.

Pivoted to the post or standard 1, as at 16, to swing in a vertical plane, is a normally vertical arm or lever 17, constituting a primary operating member provided at its upper end with a segmental portion, having laterally-projecting teeth 18 in mesh with a secondary operating member or gear 19, fixed upon the upper end of the gate-post 8, preferably by seating the gear non-rotatively upon a squared or other non-circular portion of the pintle 10.

The lever 17 has attached to its lower end, at a point beneath the pivot 16 and by a slot-and-bolt connection, an adjustable portion or section 20, provided at its lower end with a seat or recess 21, in which the adjacent end 13 of the latching-bar rests normally when in engagement with its keeper, there being provided, respectively, upon opposite sides of the seat 21 oppositely-curved cam-faces 22, adapted when the operating member swings on its pivot to ride upon and depress the rear end of the latch-bar, thereby raising its forward end out of engagement with the keeper 14, and thus releasing the gate, which may then be readily and positively opened through the coöperation of the members 17 19.

Provided on the member 17, preferably in rear of its segmental portion and lying within the recess 3, is a pair of oppositely-opening sockets for engagement, respectively, by a pair of removable operating-levers 23, designed to extend on opposite sides of the gate and to terminate at points suitably remote therefrom, thus permitting the gate to be operated by persons on horseback or in a vehicle without dismounting.

From the foregoing it is apparent that I produce a simple inexpensive device admirably adapted for the attainment of the ends in view, it being understood that minor changes in the details herein set forth may be resorted to without departing from the spirit of the invention.

Having thus described the invention, what is claimed is—

1. The combination with a gate and its hinge and latch-posts, of a keeper carried by the lat-

ter, a latch member pivotally connected with
the gate for engagement with the keeper, a
gear carried by the gate, an operating mem-
ber pivoted to the hinge-post and having a
5 toothed segmental rack for engagement with
the gear to open and close the gate, said mem-
ber being provided with a seat for the latch
and with a pair of cams disposed respectively
on opposite sides of the seat and designed to
10 act upon the latch for releasing the gate.

2. The combination with a gate and its hinge
and latch-posts, of a keeper carried by the lat-
ter, a latch member pivotally connected with
the gate for engagement with the keeper, a
15 gear carried by the gate, an operating mem-

ber pivoted to the hinge-post and having a
toothed segmental rack for engagement with
the gear to open and close the gate, and an
adjustable portion carried by the member and
having a seat for the latch and a pair of cams 20
disposed respectively on opposite sides of the
seat, said cams being designed to act upon the
latch for releasing the gate.

In testimony that I claim the foregoing as
my own I have hereto affixed my signature in 25
the presence of two witnesses.

GEORGE F. SEISER.

Witnesses:

M. B. PERRY,

J. R. EUBANK.