

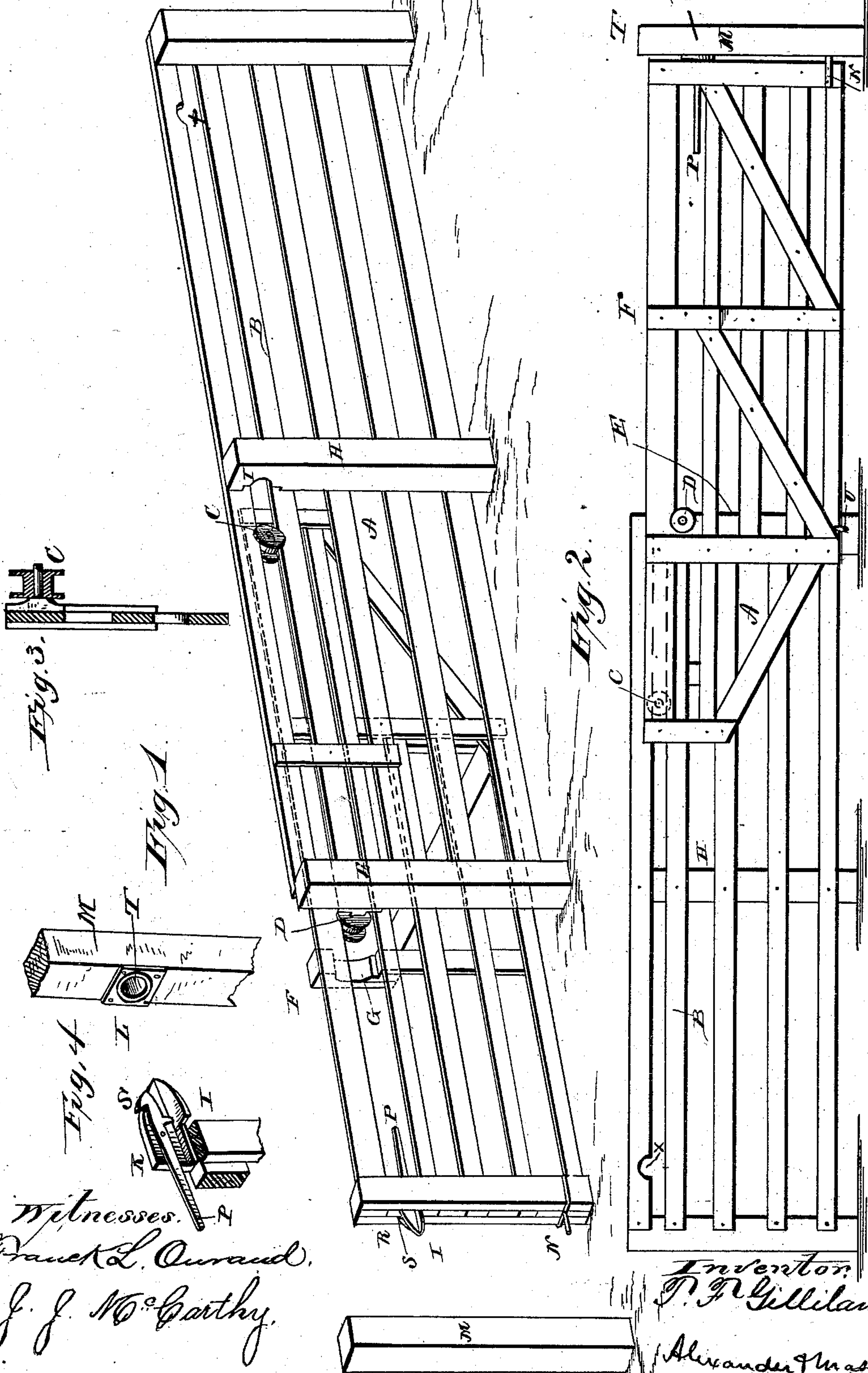
(No Model.)

T. F. GILLILAND.

Sliding Gate.

No. 239,486

Patented March 29, 1881.



Witnesses.
Frank L. Curran.
J. J. McCarthy.

Inventor.
T. F. Gilliland.
Alexander Mason

UNITED STATES PATENT OFFICE.

THEODORE F. GILLILAND, OF KNOXVILLE, IOWA.

SLIDING GATE.

SPECIFICATION forming part of Letters Patent No. 239,486, dated March 29, 1881.

Application filed August 14, 1880. (No model.)

To all whom it may concern:

Be it known that I, THEODORE F. GILLILAND, of Knoxville, in the county of Marion, and in the State of Iowa, have invented certain new and useful Improvements in Sliding Gates; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

This invention relates to certain improvements in a sliding gate and the construction of the fence-section to which it is attached, its objects being to provide improved means whereby it may readily be mounted or dismounted from the fence, as hereinafter more fully set forth. These objects I attain by the devices illustrated in the accompanying drawings, in which—

Figure 1 represents a perspective view of my invention, showing the gate partly open; and Fig. 2 represents a side elevation, showing the gate closed. Fig. 3 is a cross-section through the rear end of the gate, showing the roller C and its connection therewith. Fig. 4 is perspective view of the latch-post M, and latch or locking-lever P and its connections.

The letter A indicates an ordinary fence, constructed with parallel rails B, the upper rails being placed somewhat closer together than the others, in order to form a guide for the roller C, which is secured to the upper part of the rear end of the gate. The said roller is flanged on each side in such manner that the flanges will set against opposite sides of the first and second rails of the fence and travel between the same without danger of becoming dislodged.

The gate is constructed of rails similar to the fence-sections, and the upper rail rests and is adapted to travel on a flanged roller, D, secured to the forward fence-post, E, of the fence-section.

The upright F of the gate is recessed or cut away at G for the passage of the roller D, and the post H of the fence-section is recessed or cut away at I for the passage of the roller C. In the lower edge of the upper rail of the fence is a semicircular recess, X, sufficiently large to

admit of the passage of the roller C, on the rear end of the gate, whereby the latter may be dismounted at pleasure by simply lifting its forward end from off the roller D and then sliding it back till the roller C has reached the said recess, when, by slightly raising the gate's rear end, said roller will pass through the recess, and thus entirely free the gate from the fence.

The letter R indicates a conical flanged bolt attached to the upper part of the forward end of the gate, which is adapted to enter a socket, L, in the gate-post M, and in connection with a cylindrical bolt, N, at the lower forward end of the gate, which enters a socket at the lower part of the gate-post, serves to support the gate independently of the locking-lever P. The said locking-lever is fulcrumed to one side of the upper flange of the bolt R, and extends backward through the slot R in the forward part of the gate, its rear end being heavier than the forward end, so as to cause the shoulder S on said forward end of the lever to engage the edge of the annular plate T when the gate is closed and lock the gate.

The gate at its lower edge is held against the post E, and properly guided by means of a bent guard, U, secured to the post.

Having thus fully described my invention, what I claim, and desire to secure by Letters Patent, is—

In a sliding gate constructed with parallel rails and suitable posts or uprights, having an intermediate cut-away post, F, and supporting flanged roller C, connected thereto, the combination therewith of a fence-section provided with an intermediate cut-away post, a supporting-roller secured to one of its uprights, and a semicircular recess, X, in the upper rail thereof, through which the roller C is passed, for mounting and dismounting the gate, substantially as and for the purposes set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 6th day of August, 1880.

THEODORE F. GILLILAND.

Witnesses:

W. A. MOODY,
G. H. HART.