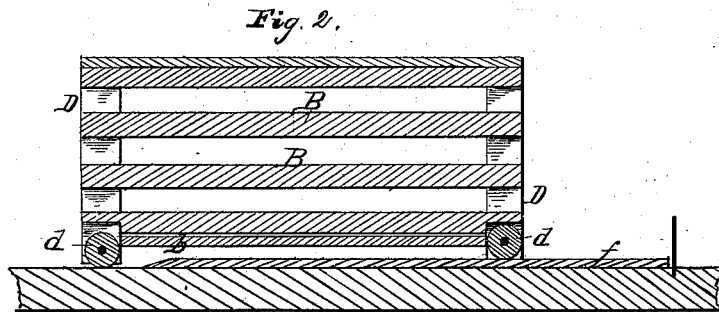
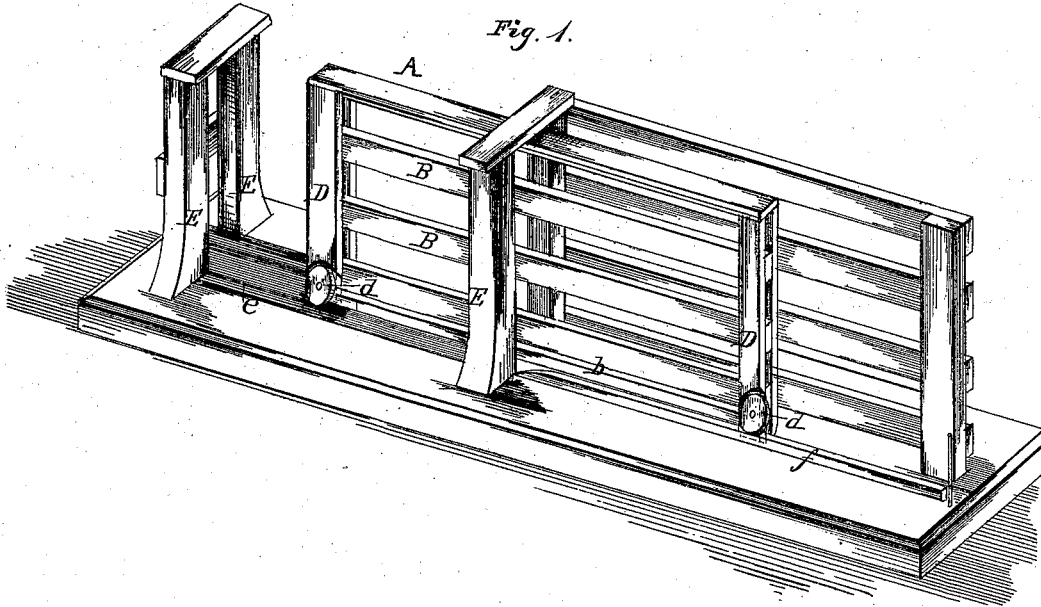


C. T. HARRIS.
GATES.

No. 194,678.

Patented Aug. 28, 1877.



WITNESSES,
F. Walter Fowler
Chas. O. Gill

INVENTOR,
Charles T. Harris
By his attys.
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UNITED STATES PATENT OFFICE.

CHARLES T. HARRIS, OF MOUNT SUMMIT, INDIANA.

IMPROVEMENT IN GATES.

Specification forming part of Letters Patent No. **194,678**, dated August 28, 1877; application filed June 29, 1877.

To all whom it may concern:

Be it known that I, CHARLES T. HARRIS, of Mount Summit, in the county of Henry and State of Indiana, have invented a new and useful Improvement in Gates, of which the following is a specification, reference being had to the accompanying drawings.

The invention relates to an improvement in gates; and consists in the devices hereinafter more fully set forth, the object being to furnish a suitable gate for farm and other purposes.

Figure 1 is a perspective view of a device embodying the elements of the invention. Fig. 2 is a central vertical longitudinal section of same.

In the accompanying drawing, A represents the gate, which is composed of the horizontal slats B, and vertical double end bars D, which secure the said slats in position.

The end bars D extend a proper distance below the slat *b*, and are furnished, between their lower ends, with the travelers or casters *d*, the front one of which protrudes below the edges of the end bars, and is designed to move on the sill *e*, set in or upon the ground, for the purpose of facilitating the operation of the gate.

The lower ends of the rear bars D pass below the periphery of the traveler or wheel *d* a sufficient distance to straddle or confine the inclined track or rail *f*, thereby preventing the gate losing its position, and affording a surface upon which the traveler can move without friction.

The track *f* is firmly secured upon the ground in the rear of and parallel with the longitudinal center of the gate, and is inclined toward the same, as shown, to permit the wheel *d* to readily ride down it, which wheel may be grooved if desired.

E represents the double gateway-posts, which are separated a proper distance to permit the gate, when closed, to pass between them, and thus effectively prevent it being opened by stock, or by anything pressing against it on either side.

To open the gate it is only necessary to slide it sidewise upon the track *f*, and to close it a reverse motion alone is required.

It is obvious that by securing the wheels *d* centrally beneath the gate the movement is rendered even, and that the double posts E materially strengthen the structure and add to its effectiveness.

It is also obvious that by constructing the gate as above described, the employment of latches and hinges can be avoided.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. In a sliding gate the travelers *d*, centrally secured in the lower ends of the bars D, the periphery of the rear traveler being slightly above, and that of the forward traveler below, the lower ends of said bars, in combination with the track *f*, substantially as shown, and for the purpose set forth.

2. The double gate-posts E, in combination with the gate A, provided with travelers *d* and inclined track *f*, all being arranged and constructed substantially as and for the purposes set forth.

In testimony that I claim the foregoing improvement in gates, as above described, I have hereunto set my hand this 11th day of June, 1877.

CHARLES T. HARRIS.

Witnesses:

J. R. LONGFELLOW,
T. W. GRONENDYKE.