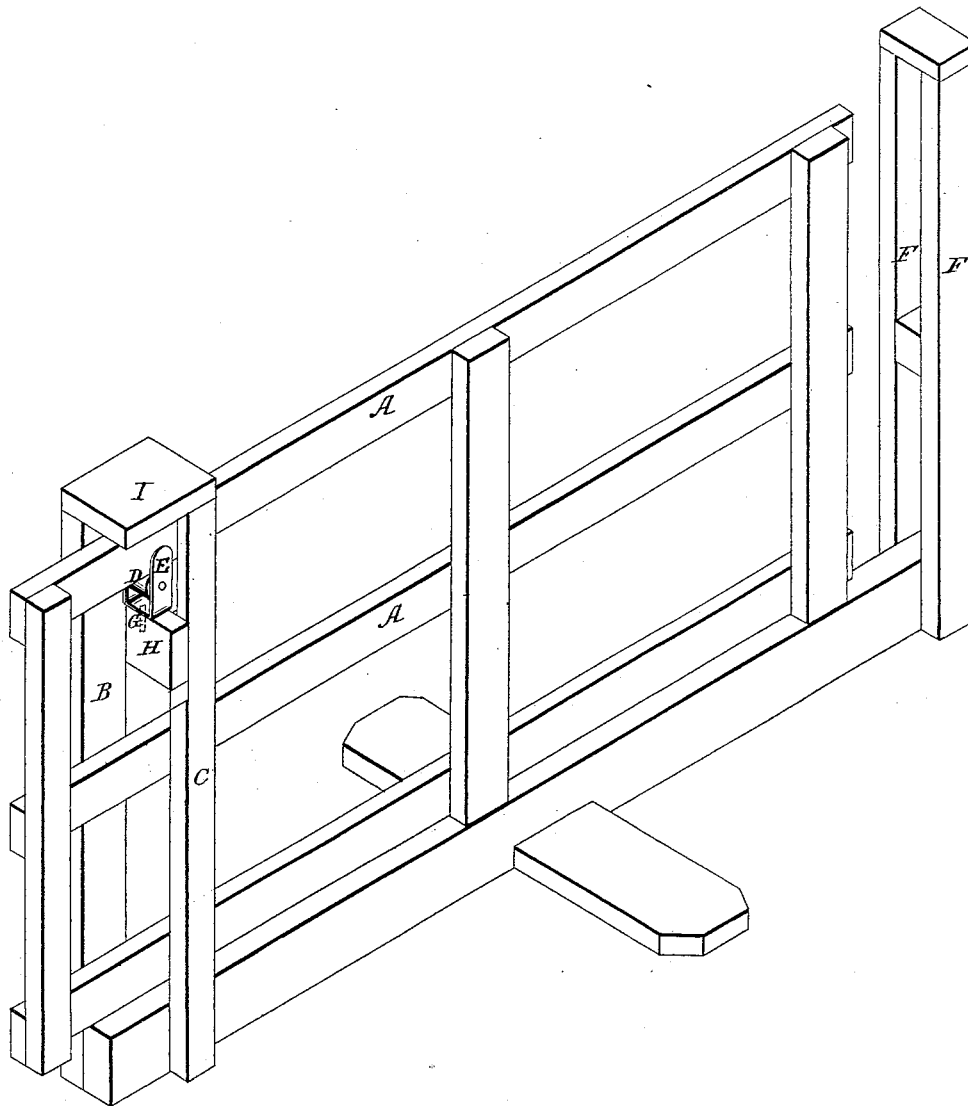


J. LEE.
FARM GATE.

No. 47,840.

Patented May 23, 1865.



Witnesses

Charles Alexander

John P. Jacobs.

Inventor

Joel Lee

W. C. Alexander
att'y

UNITED STATES PATENT OFFICE.

JOEL LEE, OF GALESBURG, ILLINOIS.

IMPROVEMENT IN FARM-GATES.

Specification forming part of Letters Patent No. **47,840**, dated May 23, 1865.

To all whom it may concern:

Be it known that I, JOEL LEE, of Galesburg, in the county of Knox and State of Illinois, have invented a new and useful Improvement in Gates; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, in which the figure represents a perspective view of my invention.

A represents the gate; B, the gate-post; C, the gate-stop; D, the friction-wheel; E, the swivel-guide; F, F the fence-posts; G, the pivot to swivel-guide; H, the block that receives and supports the swivel-guide; I, the cap.

The nature of my invention consists in furnishing a swivel guide with friction-wheel and the arrangement of the several parts therewith.

The swivel-guide is formed by a pin at its base and the jaws turned at right angles with its base and running perpendicularly to a sufficient height above the friction-wheel to receive the gate-bar between its jaws and resting on the friction-wheel. The friction-wheel is to be made a little longer than the thickness of the gate-bar, so that the gate will pass smoothly through the jaws of the guide. The pin of the swivel-guide is inserted in a hole on block H of a sufficient size to permit the swivel-guide to turn freely. Block H is secured to gate-post at one end and the other end to gate-stop C. The stop is used for the purpose of stopping the gate when at right angles with the fence. The cap I serves to keep the gate from being hoisted out of the jaws of the swivel, and also to protect the

swivel and wheel from sleet and ice. The gate is formed by securing pieces at right angles with the gate-bars, no braces being necessary.

To operate this gate, the operator shoves the gate open until the guide and wheel are near its center, in which position the gate is balanced and carried around to a position at right angles with the fence, one side of the gate hitting the gate-post and the other side the gate-stop, thereby preventing injury to the swivel. To shut the gate it may be pulled along on the friction-wheel as it is carried back, the jaws of the swiveled guide keeping the friction-wheel parallel with the gate, and prevents the gate from being crowded against the post or stop, as in case where the bearings of the friction-wheel are stationary. The ends of the gate-bars are inserted between fence-posts F F, where it may be secured, if thought necessary.

Thus it will be seen that my gate is easily made and cheaply arranged to open and shut, the post not liable to sag, the pressure being perpendicular.

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

1. The swivel-guide and friction-wheel for the purposes set forth.

2. The combination of the gate A, the post D, the stop C, the block H, and the cap I, with the swivel-guide and friction-wheel, all arranged substantially as and for the purpose specified.

JOEL LEE.

Attest:

M. W. GAY,
H. H. WILLSIE.