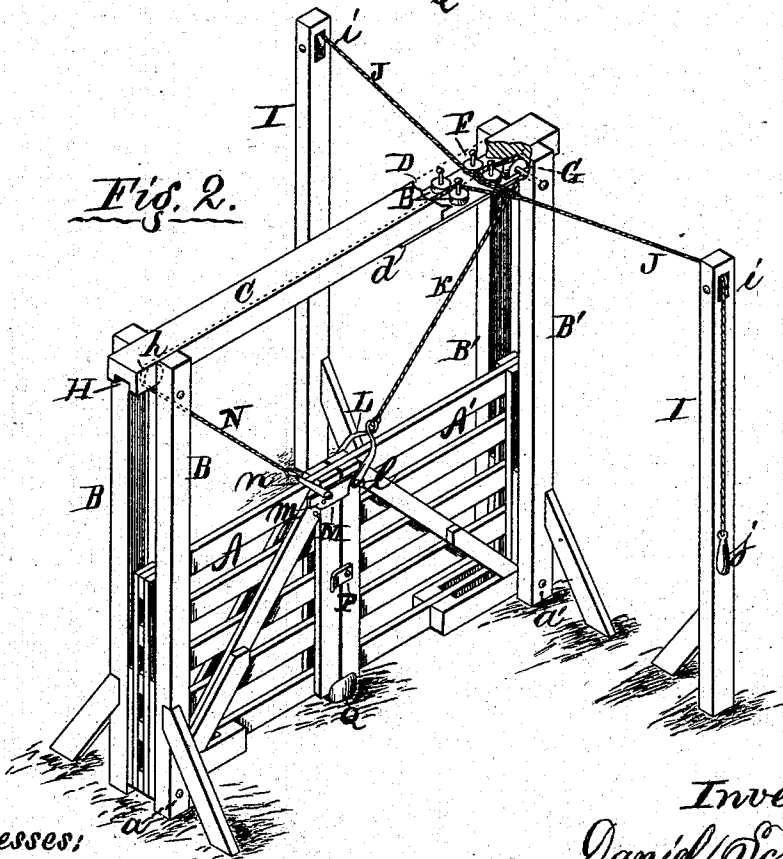
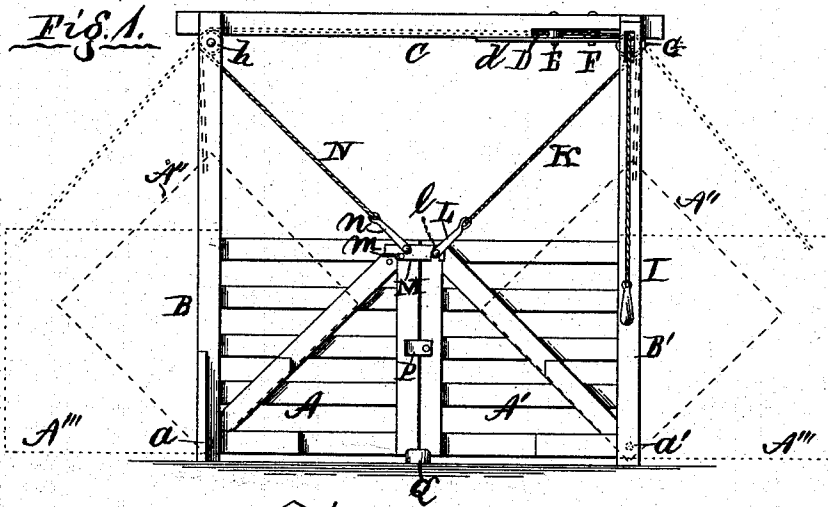


D. SCHERER.

GATE.

No. 186,274.

Patented Jan. 16, 1877.



Witnesses:
P. B. Richards,
Chas. Speed.

Inventor:
Daniel Scherer,
 By *P. B. Richards,*
att'y.

UNITED STATES PATENT OFFICE.

DANIEL SCHERER, OF MAQUON, ILLINOIS.

IMPROVEMENT IN GATES.

Specification forming part of Letters Patent No. 186,274, dated January 16, 1877; application filed August 29, 1876.

To all whom it may concern:

Be it known that I, DANIEL SCHERER, of Maquon, in the county of Knox and State of Illinois, have invented certain new and useful Improvements in Farm-Gates; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to an improvement in farm-gates of that class in which two pivoted gates are made to close together simultaneously in the center of the opening; and the invention consists in the construction and combination of parts hereinafter described, and set forth in the claims hereto annexed.

In the accompanying drawing, Figure 1 is a side elevation of a gate embodying my invention, and Fig. 2 is a perspective view of the same, partly broken away, to show certain working parts.

Referring to the drawing by letters, letters A A' represent two gates, the gate A pivoted at *a* between posts B B, and the gate A' pivoted at *a'* between posts B' B'. The posts B B' are connected at their upper ends by a bar, C, which is elevated high enough to allow the gates to be turned edgewise beneath it. A horizontal slot, D, is formed in one end of the bar C, either by cutting through it or by cutting it partly away and placing a plate, *d*, beneath it. E E and F F represent two pairs of pulleys, mounted and arranged in the slot D, as plainly shown at Fig. 1, where the bar C is partly broken away to show the pulleys. G is also a pulley, seated in the slot D, as shown at same figure. H is a groove in the under side of the bar C, extending from the slot D to the other end of the bar, where a pulley, *h*, is mounted, as shown by dotted lines in the drawings. I I are posts erected as shown at Fig. 2, and having each a pulley, *i*, in its upper end. J is a cord, extending over the pulleys *i* and between the pairs of

pulleys E and F, and its pendent ends provided with stops *j*. Midlength of the cord J a cord, K, is attached, which passes between the pulleys F F and over the pulley G, and thence downward, and is attached at its other end to a swinging bail, L, which is pivoted or journaled on studs *l* at the corner of the gate A'. M is a hook-latch, one on each side of the gate A, to which they are journaled at *m*, so that when the gates are closed the latch may drop by gravity over the studs *l*. N is a cord, one end of which is attached to the cord J at about the same place as is the cord K, and extends along the groove H over the pulley *h*, and thence downward, and is connected at its other end to a bail, *n*, the ends of which are journaled to the latches M, so that when the cord N is drawn it will first raise and disengage the latches M from the studs *l*, and then raise the gate A, and in closing the cord N will hold the latches M elevated until the gates are closed, when the latches drop by their own gravity.

P represents projecting guides, one on each side of the gate A', to receive the gate A and secure both gates against lateral deflection. Q represents guides projecting upward from the ground for the same purpose.

The operation farther than already described is evident. The ends of the cord J extend downward, in reach of approaching footman, equestrian, or person in a vehicle, and by drawing on either end of the cord J the cords K and N will raise the gates A A' to the position shown by dotted lines A'' at Fig. 1, when, by slacking the cord J, the momentum of the gates will carry them over to the position shown by dotted lines A''' at same figure. The stops *j* serve as guides to indicate when to slacken the cord J in opening and in closing the gates.

The closing is effected by a reverse operation of the parts in an evident manner.

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

1. In combination with the pivoted gates A A' and posts I, the cords J, K, and N, attached to each other, as described, and ar-

ranged to operate with the pulleys E, F, G, and *h*, as described, and for the purpose specified.

2. In combination with the cords J, K, and N, pulleys E, F, G, and *h*, and pivoted gates A A', the hinged gravitating latch M, substantially as described, and for the purpose specified.

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

DANIEL SCHERER.

Witnesses:

W. B. RICHARDS,
THOS. McKEE.