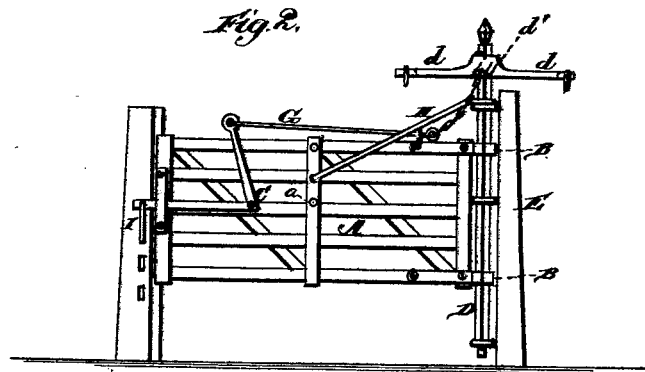
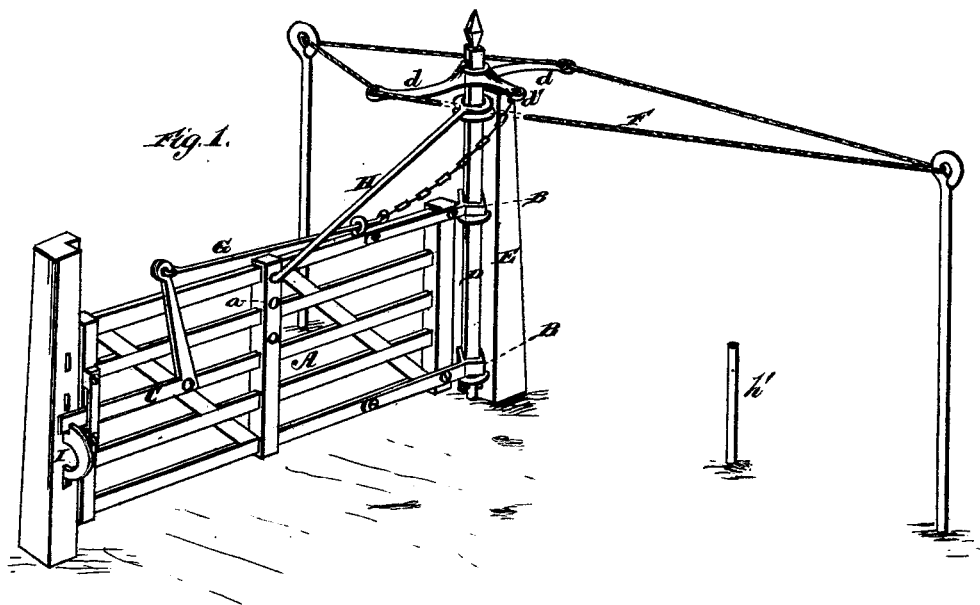


J. F. SMITH.
Farm-Gate.

No. 220,185.

Patented Sept. 30, 1879.



WITNESSES
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UNITED STATES PATENT OFFICE.

JAMES F. SMITH, OF GEORGETOWN, ILLINOIS.

IMPROVEMENT IN FARM-GATES.

Specification forming part of Letters Patent No. **220,185**, dated September 30, 1879; application filed April 12, 1879.

To all whom it may concern:

Be it known that I, JAMES F. SMITH, of Georgetown, in the county of Vermillion 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 of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a perspective view of my gate in its lowest position on the post, and Fig. 2 is a perspective view with the gate elevated on the post.

Identical parts in the drawings are designated and referred to by the same letters.

My invention relates to farm-gates; and it consists in the manner of raising and lowering the gate for the separation of stock and to avoid snow; also, in the manner of opening and closing the gate, as will hereinafter more fully appear.

A is the gate, provided with the square-eyed hinges B, the bell-crank latch C, and a series of holes, *a*, in the vertical center bar of the gate.

D is a square post, which passes freely through the eyes of the hinges, and is attached to the fence-post or gate-post proper, E, by the eye-hinges *c*. This post D is provided with horizontal arms *d d* and *d'*, to which the cord

F is attached for opening and closing the gate. The arm *d'* is connected by a chain, which may be shortened at will, to the rod G, which actuates the latch C.

H is a brace extending from the post D, and provided with a hook, which enters one of the series of holes *a*. I is a movable catch.

The operation of my gate is as follows: In case of snow drifting, or a desire to separate small from large farm-stock, raise the gate to any desired height by means of the hooked brace H, the square-eyed hinges B sliding freely upon the post D. By pulling upon the cord F the arm *d'* raises the latch, and the gate swings open against the stop-post *h'*. The catch I can be set in the post E' at any required place to secure the gate in a closed position.

What I claim is—

In a farm-gate, the combination of the square post D, provided with the arms *d d* and *d'*, chain and latch-rod G, a gate provided with square-eyed hinges B, and the brace H, constructed and operating together substantially as set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

JAMES F. SMITH.

Witnesses:

W. G. LUMBARD,
GEO. W. HOLLOWAY.