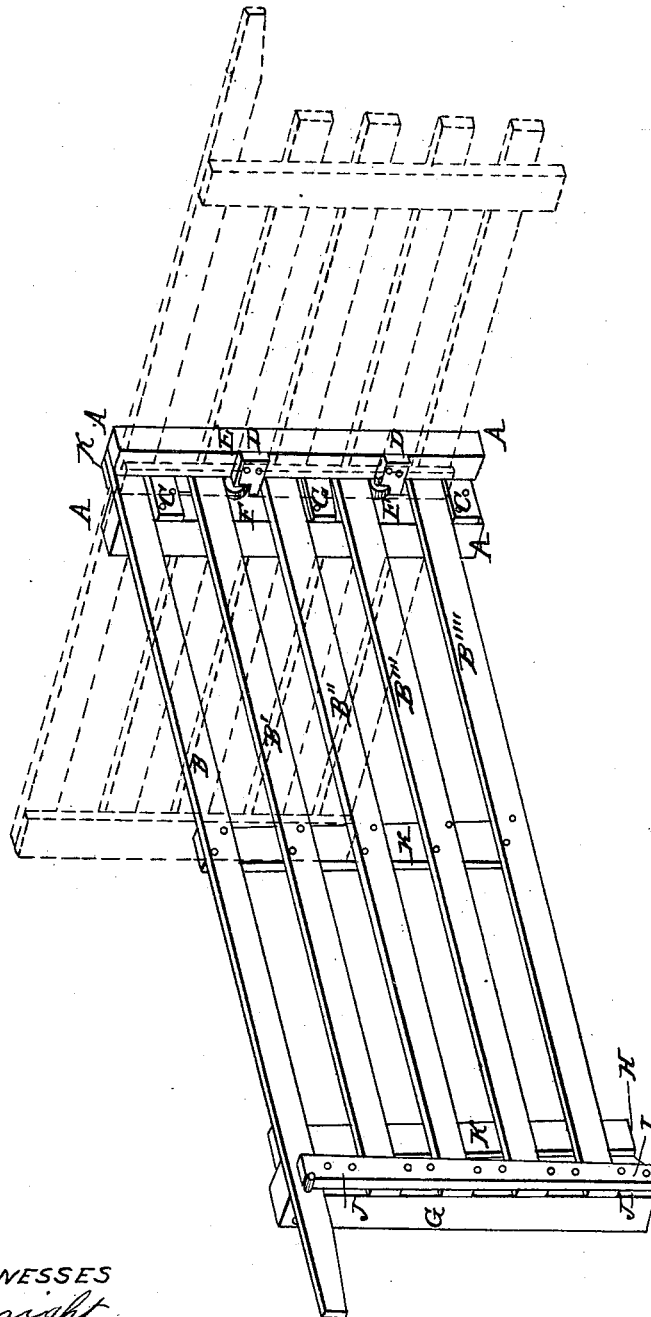


W. SNYDER.
Sliding and Swinging Gate.

No. 54,032.

Patented April 17, 1866.



WITNESSES
C. Knight
James L. Ewin

INVENTOR
Wm. Snyder

UNITED STATES PATENT OFFICE.

WM. SNYDER, OF WOOSTER, OHIO.

IMPROVEMENT IN SLIDING AND SWINGING GATES.

Specification forming part of Letters Patent No. 54,032, dated April 17, 1866.

To all whom it may concern:

Be it known that I, WILLIAM SNYDER, of Wooster, in the county of Wayne and State of Ohio, have made a new and useful Improvement in Gates; and I do hereby declare the following to be a full, clear, and exact description of the nature, construction, and operation of the same, sufficient to enable one skilled in the art to which it appertains to construct and use the same, reference being had to the accompanying drawing, which is made part of this specification, and in which my improvement is represented by a perspective view.

The invention consists in the arrangement of a roller journaled in one of the short cross-battens connecting the diagonal posts which support the heel of the gate, and in the taper or inclined slat which covers the slots occupied by the slats at the swinging end of the gate, so that they shall enter successively from the upper one downward, whereby the closure of the gate is much facilitated.

In the drawings, A A are two posts, set diagonally to each other, and united by two sets of battens, the battens C being in line with the gate when closed, and the battens D being transverse thereto and carrying a roller, F, on which the gate B B, &c., traverses as it is pushed open preparatory to being rotated one-quarter of a revolution to assume the position shown in red lines.

The roller F may be set in depressions in the upper side of one of the battens D, or it may be journaled in a plate, E, with which the upper surface of the batten D is provided.

The post G has cleats J and a slat, I, attached

to it, having openings between the slat and the post for the reception of boards B B' B'' B''' B''', which, with their uprights K, form the gate. The upper board is prolonged to form a handle, and the gate is fastened by a pin.

The slat I on the face of the post G is tapered toward the foot, or else inclined, so that at its foot it is farther from the post A than at its upper end. The object of this arrangement is, that when the gate is being closed the end of the board B' may be allowed to enter the space provided for it in advance of the other boards, which follow it successively in point of time in entering their openings between the cleats J J. By this means the gate is more readily brought into a closed position than it would be were all the boards B B', &c., caused to enter the socket simultaneously.

The post G projects above the vertical slat, and exceeds the said slat in width sufficiently to expose a face against which the end of the gate may be closed before sliding it into the slots, and the corners of the post or slat, or both, may be beveled, so as to form a contracting throat to guide the ends of the slats into their places.

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

The roller F, battens D, and diagonal posts A, all to be used in combination with a sliding and swinging gate, substantially as and for the purposes set forth.

WM. SNYDER.

Witnesses:

JAMES L. EWING,
O. KNIGHT.