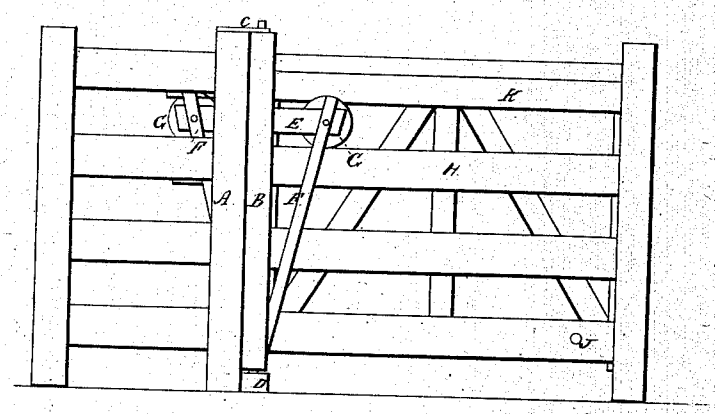
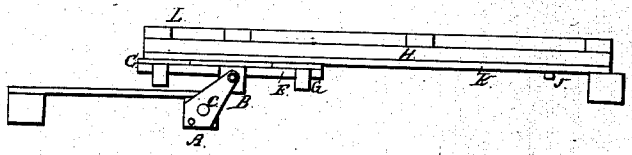
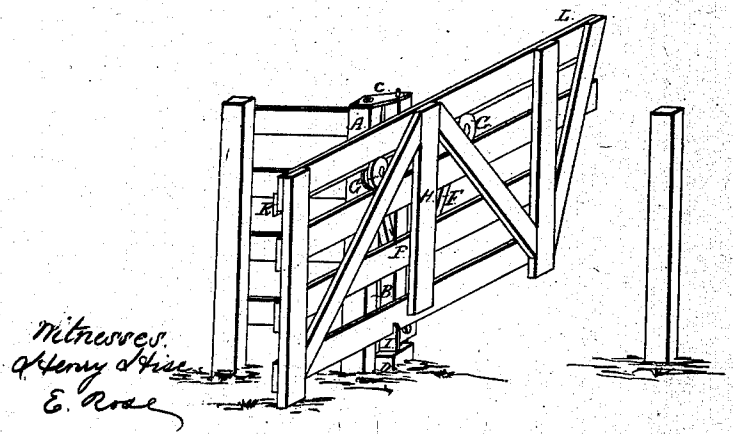
W. W. Bratt.

Fence Gate.

No. 60,331. Patented Dec. 11, 1866.







Witnesses.
Henry Hise
E. Rose

Inventor.
W. W. Bratt

United States Patent Office.

IMPROVEMENT IN FENCE GATES.

W. W. BRATT, OF OTTAWA, ILLINOIS.

Letters Patent No. 60,331, *dated December* 11, 1866.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, W. W. BRATT, assignor to myself and W. H. DUDGEON, both of Ottawa, in the county of Lasalle, in the State of Illinois, have invented a new and Improved Fence Gate; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon.

The nature of my invention consists in constructing a fence gate in such a manner that it can be slid sideways on two rollers, until the weight of the gate is poised on said rollers, in which position it is then swung around, with no considerable strain to the post on which it hangs. It also consists in sliding the gate past one post, while the other end extends beyond the hinge and lays against the fence, thus making any fastening unnecessary for farming purposes, as the gate can only be opened by sliding it sideways first.

To enable others skilled in the arts, to make and use my invention, I will proceed to describe its construction and operation.

Figure 1 is a vertical plan of the gate when closed.

Figure 2 is a horizontal plan of the gate when closed.

Figure 3 is a perspective view of the gate when opened.

To an ordinary fence post, A, I attach a swinging post, B, by means of a hinge, C, while the lower end of said post is supported on a step, D, which consists of a shorter post sunk in the ground, and having on the top a hole, to receive a pin which projects from the lower end of the post, B. At the upper part of said post, B, is adapted a cross-piece, E, supported by braces, F F, and on each end of the cross-piece, E, is a metal roller, G G. These rollers fit into a slat formed by two of the boards which constitute the gate, H, in such a manner that said gate, H, may slide freely on said rollers, G G, the gate being held at the same time in a vertical position by a guide, I, attached at the lower end of the post, B. A pin, J, is also provided to prevent the gate from being run clear off the rollers. The rollers, G G, are formed with a groove in their circumference into which fits a guide board, K, thus making it impossible for the gate to come off either forward or backward. The portion, L, of the gate is made to project past the post, A, and to lay close against the fence when closed, so that the gate can only be opened by sliding it sideways first and then swinging it one-quarter around.

What I claim as my invention, is—

1. The two rollers G G, on which the gate slides sideways.
2. The guide board K, fitting in the circular grooves of the rollers G G.
3. The guide I, at the lower end of the swinging post B.
4. The part L, of the gate H, back of the rollers G G, laying against the fence when closed, substantially as and for the purpose described in the foregoing specification.

W. W. BRATT

Witnesses:

E. ROSE,

HENRY HISE.