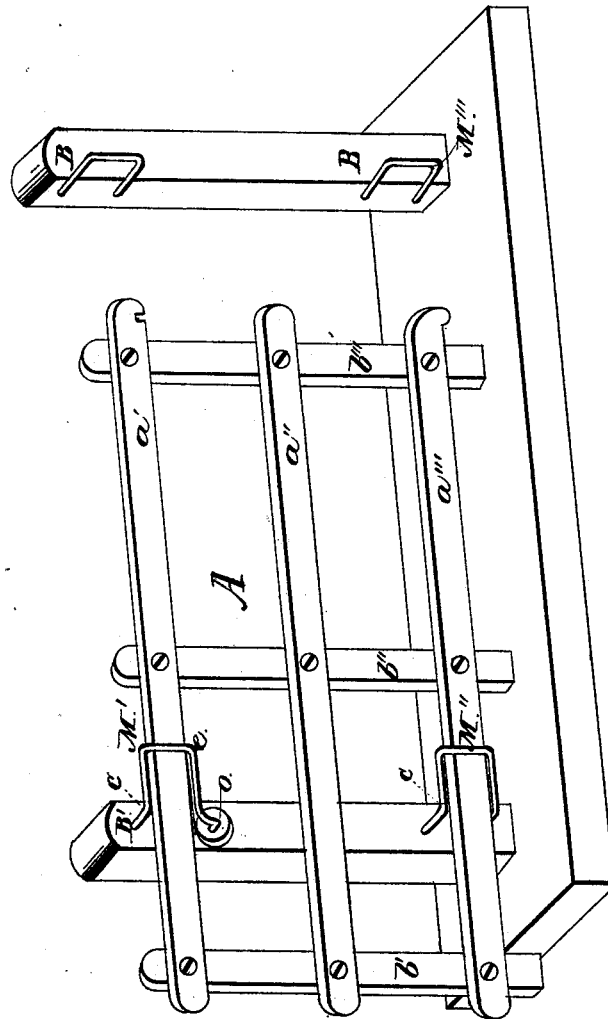


H. N. DUNBAR.

FARM-GATE.

No. 190,674.

Patented May 15, 1877.



*Witnesses:*

*Elizabeth C. Munson.*  
*H. N. Munson.*

*Inventor:*

*Henry N. Dunbar*

# UNITED STATES PATENT OFFICE

HENRY N. DUNBAR, OF MENTOR, OHIO.

## IMPROVEMENT IN FARM-GATES.

Specification forming part of Letters Patent No. **190,674**, dated May 15, 1877; application filed March 13, 1876.

*To all whom it may concern :*

Be it known that I, HENRY N. DUNBAR, of Mentor, in the county of Lake and State of Ohio, have invented a new and useful Improvement in Hangers for Sliding and Swinging Farm-Gates; and the following is a full and exact description of the same, reference being had to the accompanying drawing, and the letters thereon.

These hangers are formed of metal, and are shaped and secured to the gate-posts in the manner hereinafter specified.

A is the gate, and consists of three or more boards, *a' a'' a'''*, and vertical slats *b b b*. B' and B are the gate-posts. The gate is supported upon a friction-roller, *o*, which is pivoted on the lower arm of the hanger M'. The two arms of the hanger M' pass through the post B' near the top, and are secured by nuts or otherwise. Two of the gate-boards, as *a' a''*, occupy the hangers M' M'', and the gate slides back and forth in them, resting on the roller *o*.

In case of deep snow, if it be desired to raise the gate, the hangers M' M'' may be slipped clear out and inserted again, the two next lower boards occupying the hangers M' M''. The gate is opened and closed by traversing on the roller *o* until the gate will balance on said roller, when it is swung around in the hangers, so as to open to its utmost capacity, the hangers being bent at a right angle, so as to set off from and beyond the inner side of the post B' sufficiently for that purpose. When the gate is thus swung around it passes from the roller *o* to the shoulder *e*, which is preferably inclined, and made to correspond in height to the roller *o*, so that the gate will pass smoothly from one to the other.

If deemed necessary to prevent chafing the

under surface of the board, it may be protected by a metal strip.

The hanger M'' is constructed in shape similar to a staple, with its ends bent at a right angle, so as to permit the gate to swing around in said hanger, as heretofore described, and secured in the post B' near the bottom by passing its arms through the post and securing them by nuts or otherwise.

In closing the gate, as the latch end approaches the post B the notched end of the boards passes into the right-angled catches M''', and fastens the gate.

It will be observed that the arms of the catch M''' are bent at a right angle and secured by being inserted in the inside face of the post B, the form of the catch rendering a nut and screw unnecessary.

I claim—

1. In combination with the post B', the gate-hanger M', formed of metal, with right-angled arms, the lower one of which is depressed, so that the elevated arm *e* forms a shoulder, which will correspond in height with the top of said roller, substantially as and for the purpose specified.

2. In combination with the post B', the gate-hanger M'', formed of metal, with right-angled arms secured to the post and setting off therefrom, in the manner and for the purpose specified.

3. In combination with the notched end of the boards *a' a''*, the catch M''', formed of metal, with right-angled arms inserted in the inner face of the post B, substantially as specified.

HENRY N. DUNBAR.

Witnesses:

GEO. E. PAINE,  
PERRY BOSWORTH.