

United States Patent Office.

JAMES HAYS, OF FOSTORIA, OHIO.

Letters Patent No. 100,759, dated March 15, 1870.

IMPROVEMENT IN GATES.

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, JAMES HAYS, of Fostoria, in the county of Seneca, and State of Ohio, have invented certain new and useful Improvements in Gates; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon, which form a part of this specification, in which the figure in the annexed drawing represents a perspective view of the gate and gate-posts.

The nature of my invention consists in the construction of certain devices, hereinafter described, for closing gates.

A A' represent two posts, mortised at their lower ends into the sill B.

C designates the gate-frame, consisting of the bars *d d*, connected by the uprights *c c*.

To the top of post A is attached the semicircular cap D, which is made to taper from the back to the front side of gate-post A, the top of said post, on which D rests, being made to taper at the same angle with D.

G represents a metal rod, the lower end of which is attached to upright *e*, and also hinged to post A. The rod G will extend upward, and after passing through

an eye on upright *e*, will also pass through the semicircular cap D, and at a suitable distance above D will be curved, and extend downward to near the surface of D. The descending end is bifurcated to receive the wheel or roller H, the axle of which will rest in said bifurcations.

In operating my gate, it will be seen that in the act of opening it, the roller H will ascend to the rear and highest side of cap D, and in doing so will elevate the gate above its proper position, so that when the force is removed from the gate, the tendency of the roller H to descend the incline of cap D will immediately close the gate.

Having thus described my invention,

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

The curved rod G, provided with roller H, in combination with the gate and cam-shaped block D, when the rod G is attached to and receives its motion from the gate, substantially as set forth.

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

JAMES HAYS.

Witnesses:

THEODORE WERNER,
THOMAS S. GREEN.