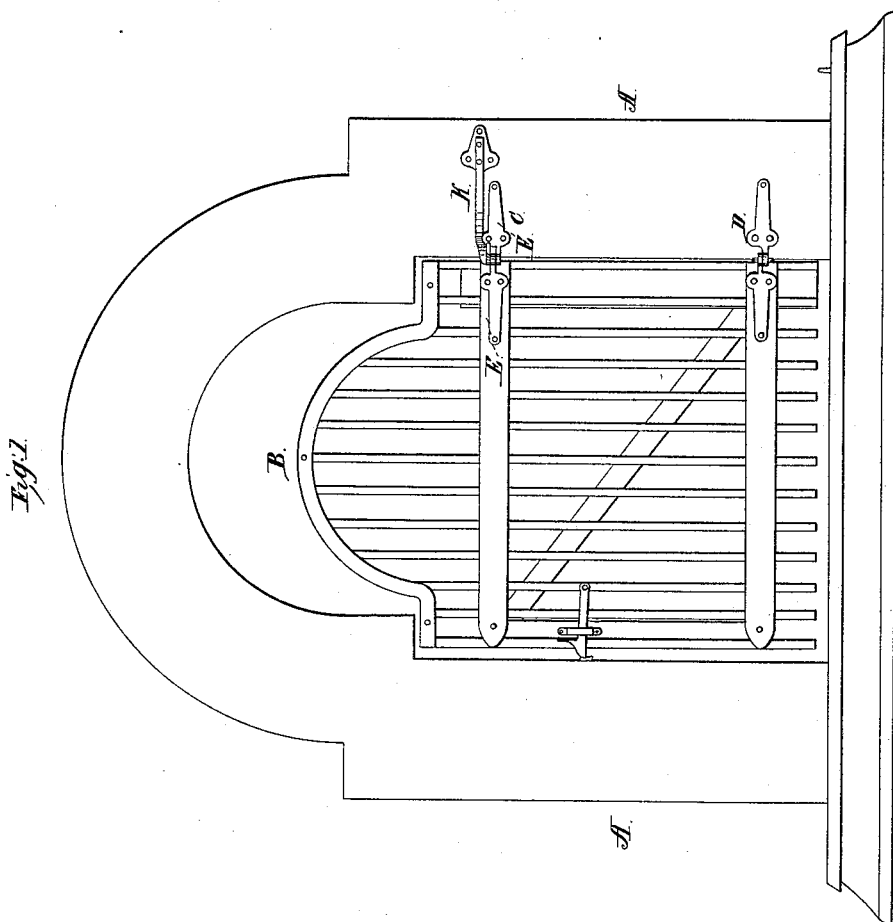
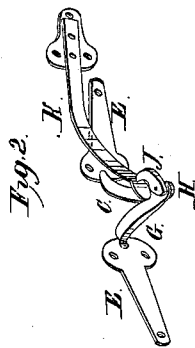


*E. N. Porter,*  
*Hinge.*

*N<sup>o</sup> 51,476.*

*Patented Dec. 12, 1865.*



*witnesses:*  
*J. Franklin Riggs*  
*Geo C Lambright*

*Inventor:*  
*E. N. Porter*

# UNITED STATES PATENT OFFICE.

E. N. PORTER, OF MORRISVILLE, VERMONT.

## IMPROVED HINGE.

Specification forming part of Letters Patent No. 51,476, dated December 12, 1865.

### *To all whom it may concern:*

Be it known that I, E. N. PORTER, of Morrisville, county of Lamoille, and State of Vermont, have invented new and useful Improvements in Hinges for Gates and Doors; 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, making a part of this specification.

Figure 1 represents a view of a gate with the hinge. Fig. 2 represents the hinge.

A represents the side posts upon which the gate is suspended; B, the gate with its hinges C and D. The lower hinge, D, is similar to an ordinary gate-hinge, but the upper hinge, C, is one of a peculiar arrangement and construction, and is intended to be made of iron or brass. Each end E E of this hinge is flat and somewhat ornamental, scroll-shaped, with apertures, so that they may be attached to the gate and post permanently by screws or screw-bolts. From the ends E E are flat arms G G, as exhibited at Fig. 2, projecting in an angle and joined together at the point of the angle by a pivot or bolt, H, upon which they operate and are hinged. At the point of the angle,

and on the top of the upper arm, G, which is the arm projecting from the gate, there is a flat curved or hooked-shaped metal block, J, permanently attached.

Fastened permanently to the post A is a flat steel spring, K, curved outward and rounding at its point and which fits into and rests and presses against the inner concave side of the curved block J, so that as the gate is partly opened the spring K presses against the pointed end of the block and forces the gate back until it is closed; but when the gate is entirely opened and thrown back against the post A, the curved end of the spring presses against the opposite concave side of the block J and holds the gate wide open, preventing the gate from closing.

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

The arrangement and combination of the block J, arms G, and spring K, substantially as described, and for the purposes set forth.

E. N. PORTER.

Witnesses:

J. FRANKLIN REIGART,  
EDM. F. BROWN.