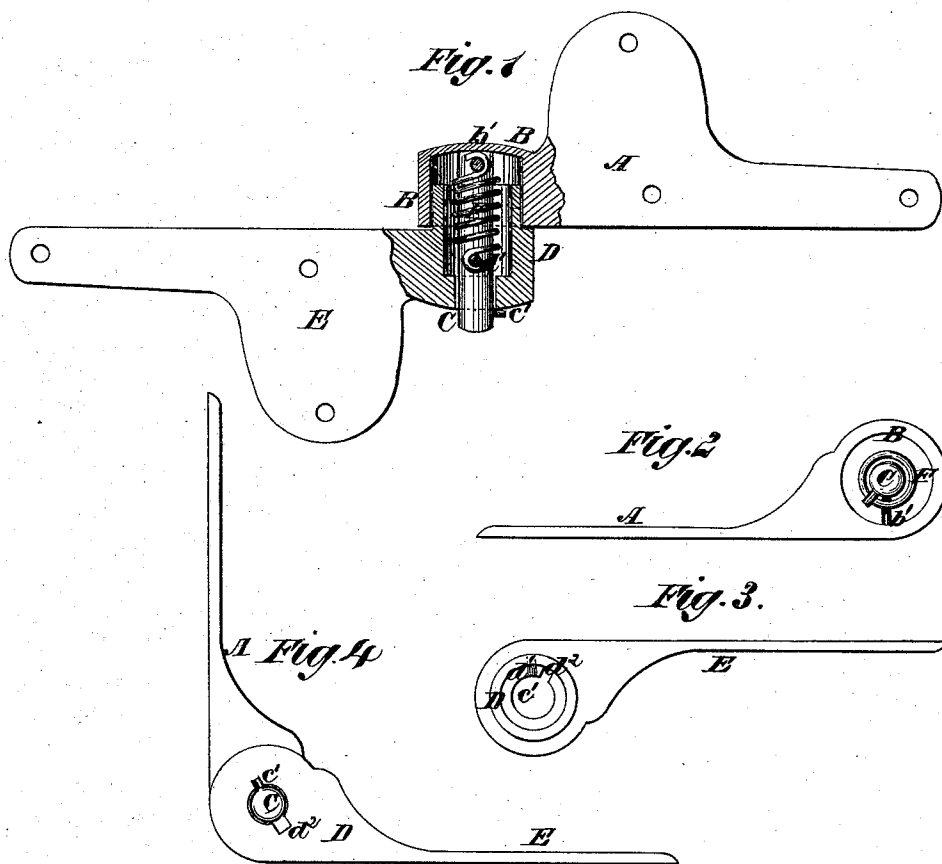


S. G. PEABODY.
Gate-Hinges.

No. 156,495.

Patented Nov. 3, 1874.



WITNESSES:

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INVENTOR:

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UNITED STATES PATENT OFFICE.

STEPHEN G. PEABODY, OF CHAMPAIGN, ILLINOIS, ASSIGNOR TO HIMSELF
AND LYMAN D. CHADDON, OF SAME PLACE.

IMPROVEMENT IN GATE-HINGES.

Specification forming part of Letters Patent No. **156,495**, dated November 3, 1874; application filed
October 17, 1874.

To all whom it may concern:

Be it known that I, STEPHEN G. PEABODY, of Champaign, in the county of Champaign and State of Illinois, have invented a new and useful Improvement in Gate-Hinge, of which the following is a specification:

Figure 1 is a side view of my improved hinge, part being broken away to show the construction. Fig. 2 is a detail under-side view of the upper part of the same. Fig. 3 is a detail top view of the lower part of the same. Fig. 4 is a view of the under side of the hinge.

Similar letters of reference indicate corresponding parts.

My invention has for its object to furnish an improved hinge for gates, heavy doors, &c., which shall be so constructed as to prevent water from entering about the pintle, which shall be self-closing, and which shall be simple in construction, strong, durable, and not liable to get out of order.

The invention consists in the concentric cups formed upon the adjacent ends of the parts of the hinge, the guide or center pin, the coiled spring, the two catch-pins, the lock-pin, and its groove, constructed and arranged to operate in connection with each other, as hereinafter fully described.

A represents the upper part of the hinge, which is attached to the gate or door. Upon the end of the part A is formed an inverted cup, B. In the center of the bottom of the cup B is formed, or to it is attached, the guide-pin C, which passes down through the center of the cup D, formed upon the end of the other

part E of the hinge. The cup D is made smaller than the cup B, so as to fit into it, and serve as the pintle of the hinge. In the cup D is placed a spring, F, which is coiled around and kept in place by the pin C. Upon the ends of the coiled spring F are formed hooks, which catch upon the pins *b'* and *d'*, attached, respectively, to the cups B and D, so as, when the hinge is opened, to put the spring F under tension, and thus cause the hinge to close itself when released. To the projecting free end of the guide-pin C is attached a pin, *c'*, which, when the parts of the hinge are put together, passes through a groove, *d²*, in the base of the cup D, at the side of the hole through which the guide-pin C passes, and in such a position that the said pin *c'* can never enter the said groove *d²* when the hinge is attached to the gate or door, so that the hinge can never come apart when in use.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

The concentric cups B D, formed upon the adjacent ends of the parts A E of the hinge, the guide-pin C, the coiled spring F, the catch-pins *b'* *d'*, the lock-pin *c'*, and its groove *d²*, constructed and arranged to operate in connection with each other, substantially as herein shown and described.

STEPHEN G. PEABODY.

Witnesses:

I. H. HESS,
B. F. FILLMORE.