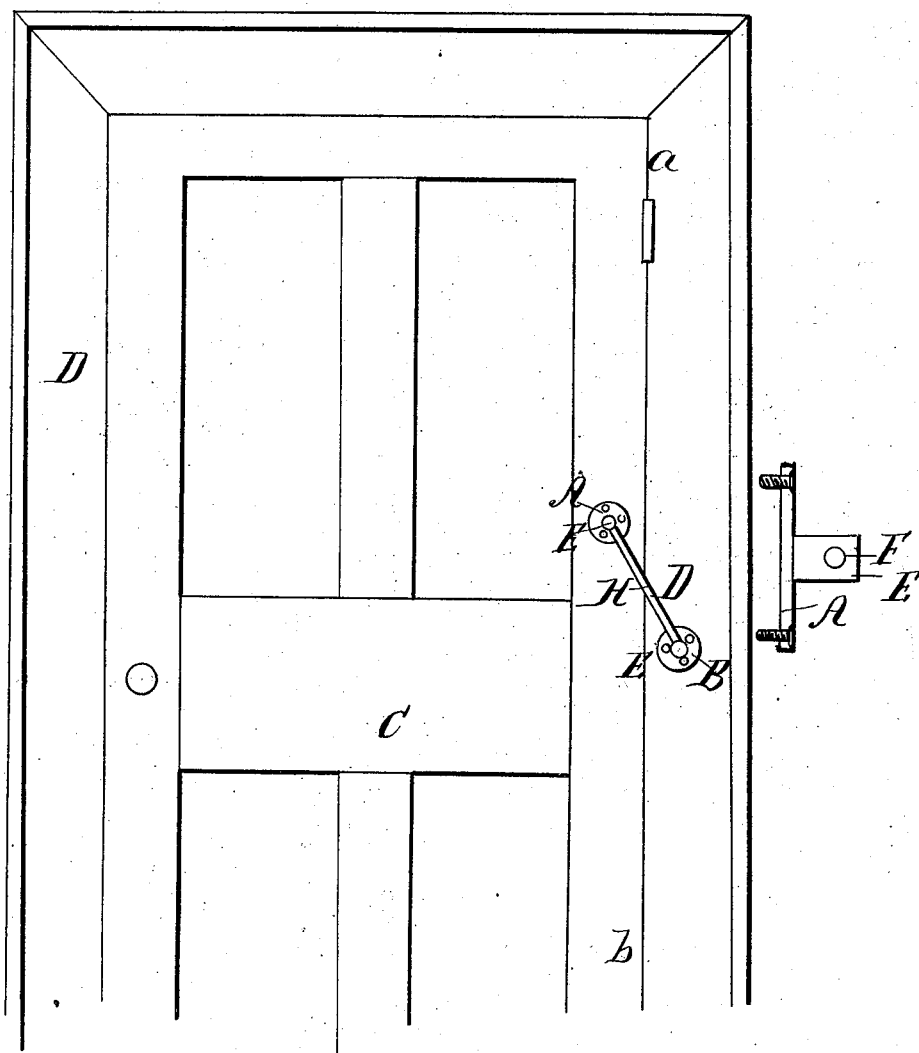


R. F. Stevens,
Door Spring.
N^o 5,061. Patented Apr. 10, 1847.



UNITED STATES PATENT OFFICE.

RICHARD F. STEVENS, OF SYRACUSE, NEW YORK.

IMPROVEMENT IN DEVICES FOR CLOSING DOORS.

Specification forming part of Letters Patent No. 5,061, dated April 10, 1847.

To all whom it may concern:

Be it known that I, RICHARD F. STEVENS, of Syracuse, in the county of Onondaga and State of New York, have invented a new and useful Improvement in Apparatus for Closing Doors, Gates, and Blinds; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing, making part of this specification.

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

I construct two plates A and B, of any convenient form and dimensions, having several holes made through them for the passage of screws, by which they (A and B) are made fast to the door C and casing D. From the center of each plate projects a knob E, having on one side a shallow socket or depression F. I then construct a shaft or rod H, of any convenient dimensions, and having the ends rounded or pointed. One plate A is then fastened by screws to the door, gate, or blind, having the socket downward. The plate B is then fastened to the casing D, having its socket upward. When the plates A and B are thus fastened, the distance between the sockets in each must be the same as the length of the rod H. The rod H is then placed between the sockets, having its upper end in the socket upon the door, gate, or blind and its lower end in the socket upon the casing.

The operation of my invention is as follows:

On account of the oblique or inclined position of the rod H the door is raised on its hinges while being opened by the rod H approaching a line perpendicular with the socket upon the casing, the weight of the door resting upon the sockets and rod. The door, gate, or blind is then closed by its own weight and the rod again becomes inclined, as before.

The force by which the door, gate, or blind is closed may be varied by varying the obliquity or inclination of the rod H when the door is closed.

By placing the socket upon the casing at a point nearer the joint *a* and *b* of the door than the socket, which is fastened to the door, the rod may be made to become perpendicular at any point desired in opening the door, and afterward operate in an opposite direction and hold the door, gate, or blind open.

The purpose of my invention is that of raising doors, gates, and blinds upon their hinges as they are opened and afterward closing them, and also that of holding them open, if desired.

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

The application of the rod and sockets or fastenings, as described, to doors, gates, and blinds in such a manner that when one socket is fastened to the door, gate, or blind and the other to the casing the rod will stand obliquely across the joint *a* and *b*, for the purpose and substantially as described.

RICHARD F. STEVENS.

Witnesses:

HENRY STEVENS,
T. C. EDWARDS.