O. D. Barrett,

Door Spring.

No. 25,602. Patented Sep. 27, 1859.

Fig: 1.

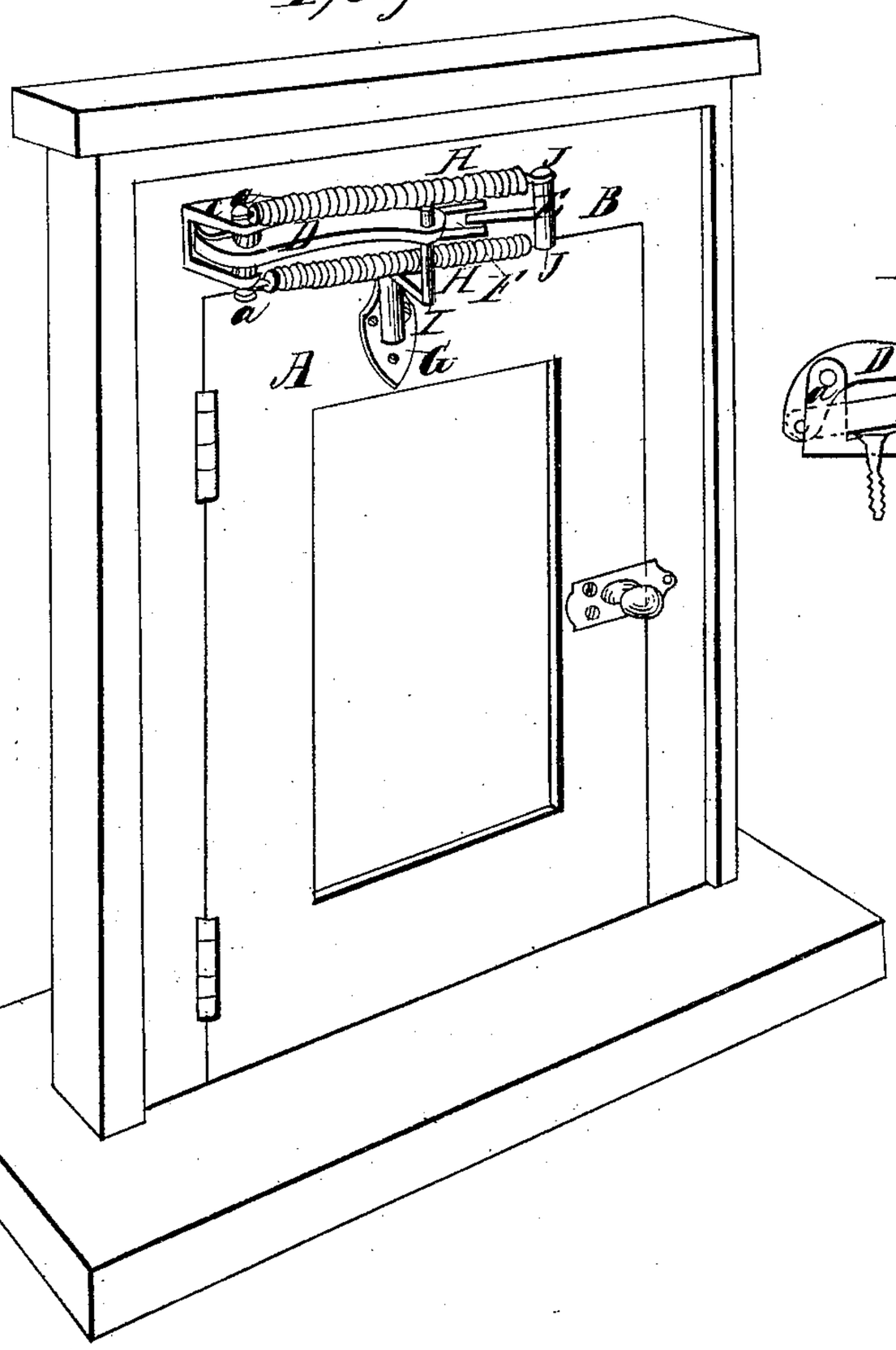
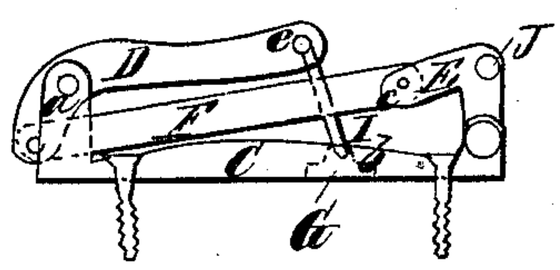


Fig: 2.



UNITED STATES PATENT OFFICE.

O. D. BARRETT, OF CLEVELAND, OHIO, ASSIGNOR TO HIMSELF AND J. F. KEELER, OF SAME PLACE.

DOOR-SPRING.

Specification of Letters Patent No. 25,602, dated September 27, 1859.

To all whom it may concern:

Be it known that I, O. D. BARRETT, of Cleveland, in the county of Cuyahoga and State of Ohio, have invented a new and useful Improvement in Door-Springs, known as the Antelope Door-Screen; and I do hereby declare that the following is a full and exact description thereof, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 is a perspective view and Fig. 2 a plan of the pivoted parts.

C, Fig. 2 is the foundation, fastened to the casing, B, Fig. 1, over the door, having at each end two projections. Between the two at one end, the lever, D, Fig. 2, is pivoted at *a*, and between the two at the other end the lever, E, Fig. 2, is pivoted at *d*. The levers D and E, Fig. 2, are connected by the connecting rod F, consisting of two parts as represented in Fig. 1, jointed with the levers D, and E, by means of the pivots *b* and *c*, Fig. 2.

On lever E are two projections J, J, Fig. 1 from which spiral springs are stretched to the ends of the pivot *a* Fig. 1.

The lever D, Fig. 1 is connected with the door, A, by means of the crank, I, and the eye, G, as represented in Fig. 1. By the action of the levers, D, and E, the pressure on the door gradually diminishes as the door is opened and ceases when opened a little more than ninety degrees, and when past that point the spring will hold the door open. Thus the greatest pressure on the door is obtained just as it shuts.

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

The levers D and E in combination with the connecting rod F and the springs H, H, constructed and operated as specified.

O. D. BARRETT.

Signed in the presence of—
J. E. INGERSOLL,
W. F. CLARK.