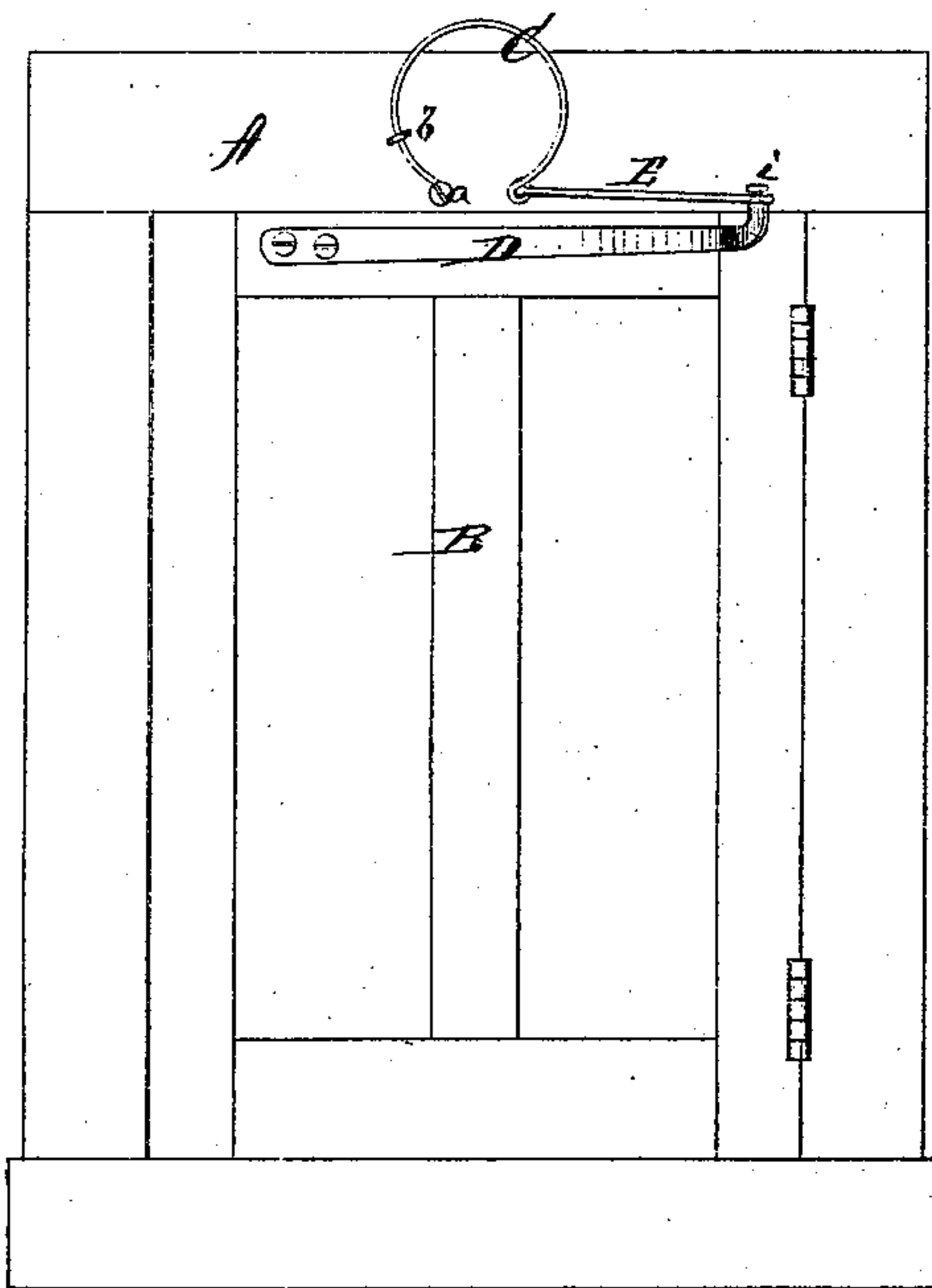
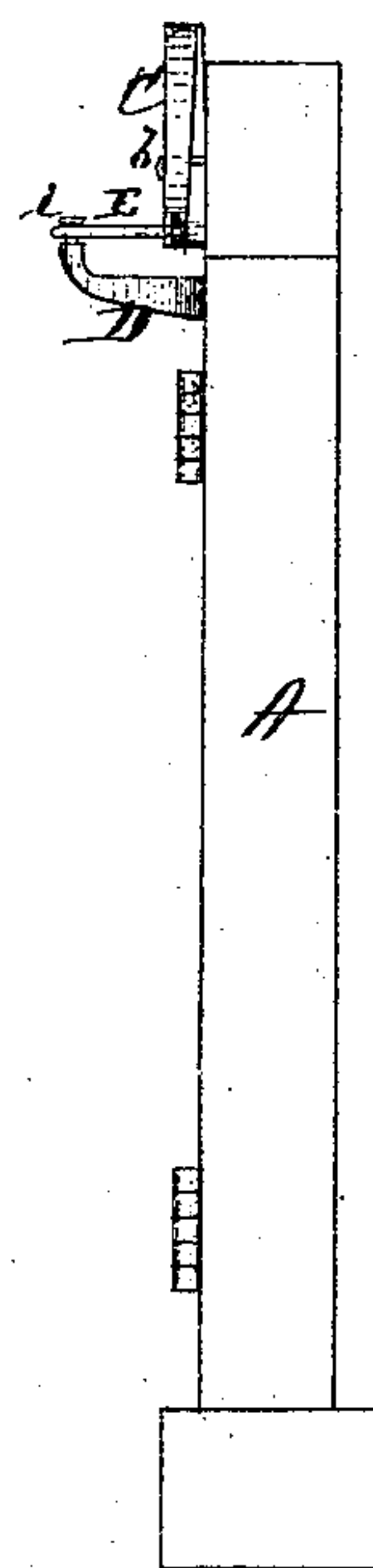


*M. Jinks,*  
*Door Spring.*  
*No. 107,616. Patented Sept. 20. 1870.*

*Fig. 1*



*Fig. 2.*



Witnesses:

*Chas. Jacobs*

*J. V. White*

Inventor:

*Melvin Jinks*

*Per*

*J. H. Alexander*

*Atty.*

# United States Patent Office.

MELVIN JINCKS, OF WALLACE, NEW YORK.

Letters Patent No. 107,616, dated September 20, 1870.

## IMPROVEMENT IN DOOR-SPRINGS.

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, MELVIN JINCKS, of Wallace, in the county of Steuben and State of New York, have invented certain new and useful Improvements in Door-Springs; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon which form a part of this specification.

The nature of my invention consists in the construction and arrangement of a "door-spring," as will be hereinafter fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a front view; and

Figure 2, a side view of my improved door-spring.

A represents the door-frame; and

B the door, hinged to the frame in the usual manner.

In the center of the frame, above the door, is fastened a spring, C, made somewhat in horseshoe form, the end nearest to the hinged side of the door being loose, while the other end is fastened to the frame by a screw, *a*, and the spring further held by a wire-loop *b*.

Along the upper edge of the front side of the door is another spring, D, which is fastened at the end farthest away from the hinges, while the end nearest the hinges is turned outward, as shown in fig. 2, and, at this end, is an upward-projecting pin, *i*, or the end of the spring may be turned upward to form this pin.

The springs C and D are connected by means of a rod, E, which rod is attached to the loose end of the spring C, and a loop, formed on its other end, is placed over the pin *i*.

As the door B is opened the spring C spreads out and the loose end of the spring D is brought close to the door, so that the reaction of the two springs combined will easily close the door, and keep it firmly closed.

Having thus fully described my invention,

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

The combination of the circular springs C, and straight spring D, constructed and arranged as described, and connected by a rod E, substantially in the manner, and for the purposes herein set forth.

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

MELVIN JINCKS.

Witnesses:

I. L. SNYDER,  
L. WILSON.