

(No Model.)

A. LATHROP.

COMBINED WEATHER STRIP AND DOOR SPRING.

No. 258,083.

Patented May 16, 1882.

Fig. 1.

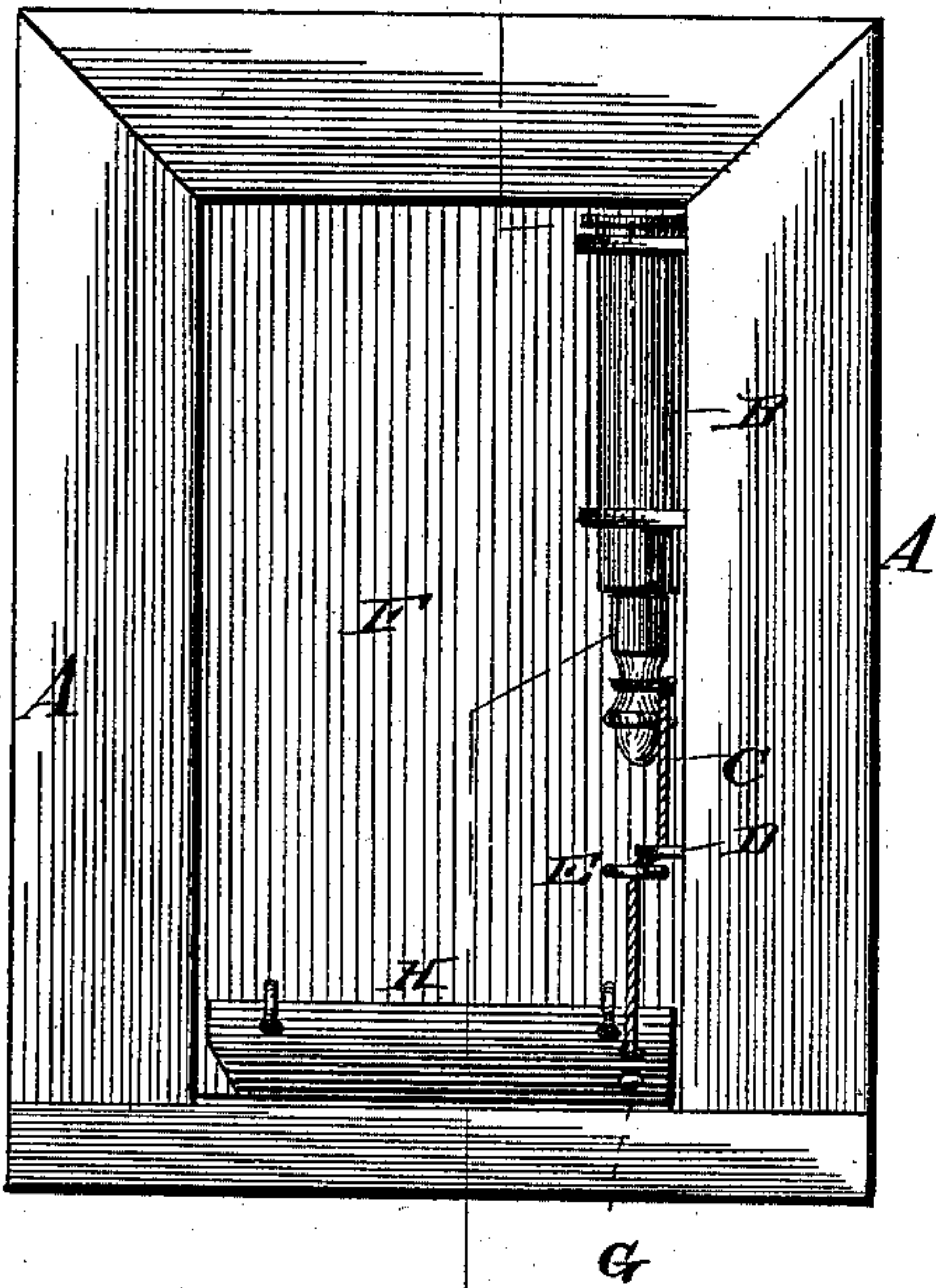


Fig. 2.

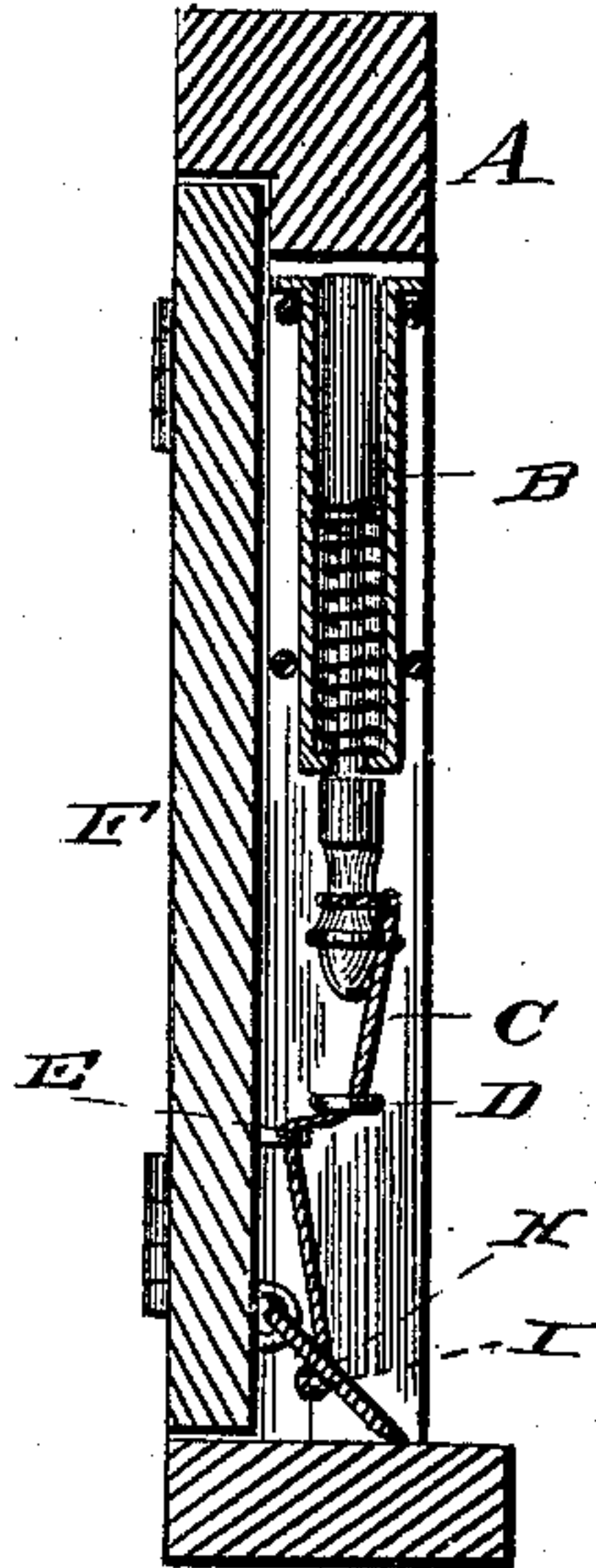


Fig. 3.

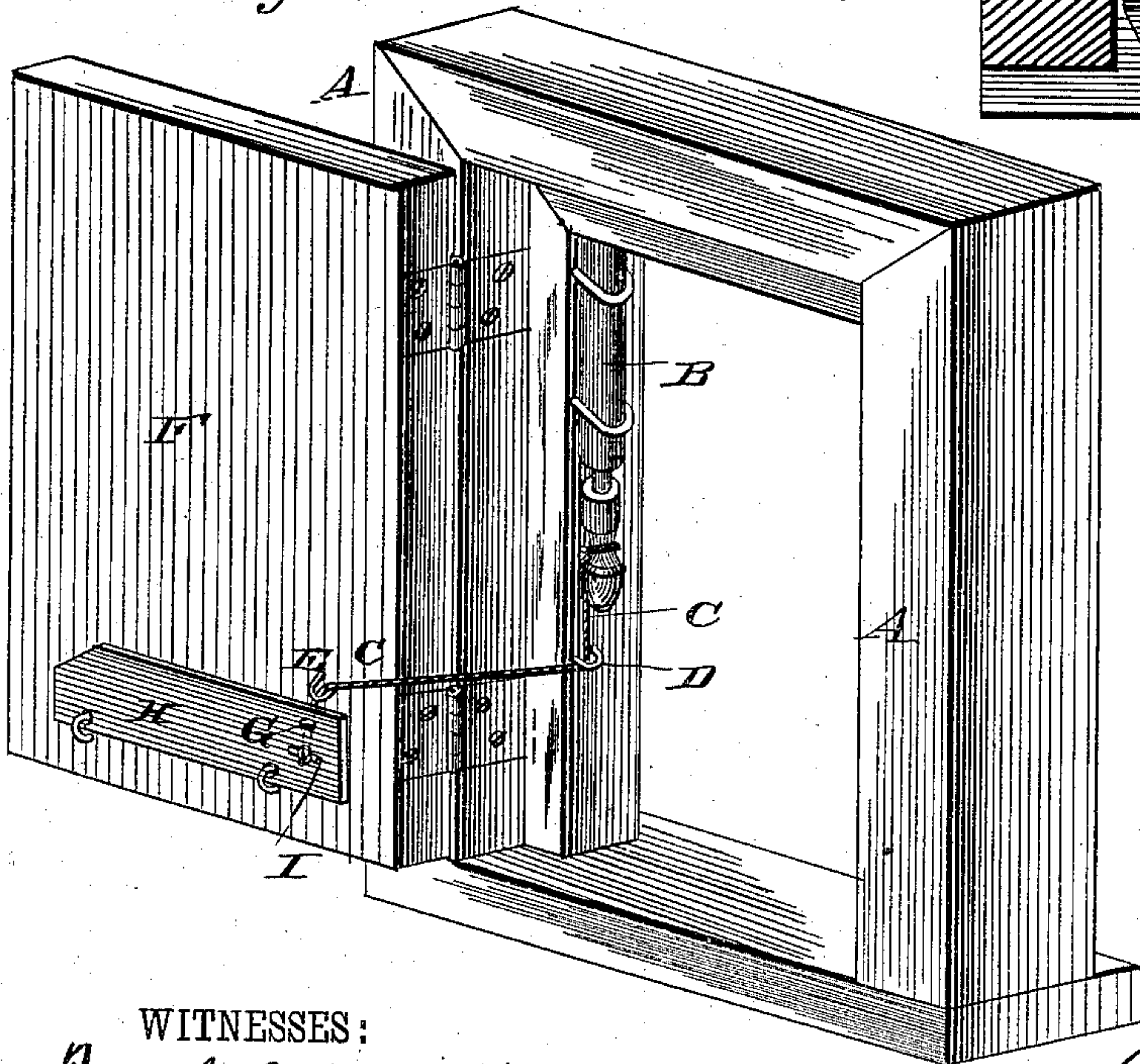
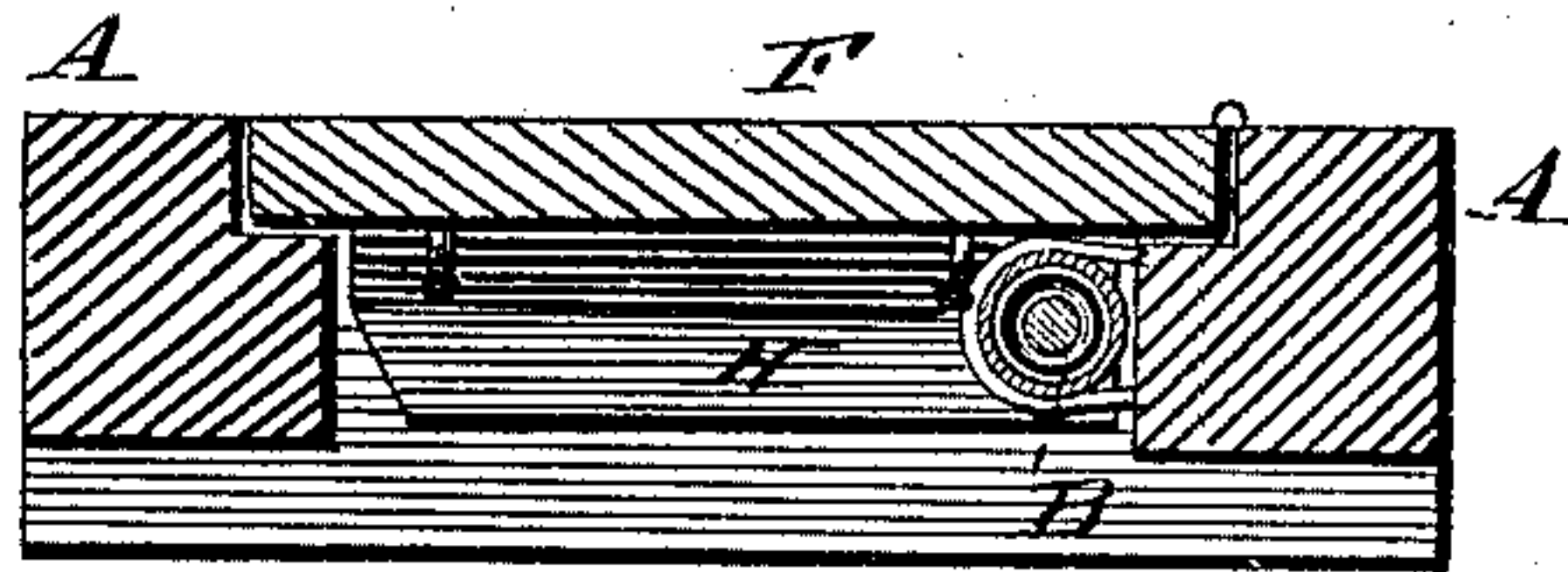


Fig. 4.



WITNESSES:

Wm. L. Dietrich
Wm. Dietrich

INVENTOR.

A. Lathrop
by *Wm. L. Dietrich*
ATTORNEYS.

UNITED STATES PATENT OFFICE.

ANDERSON LATHROP, OF VAN HORNEVILLE, NEW YORK.

COMBINED WEATHER-STRIP AND DOOR-SPRING.

SPECIFICATION forming part of Letters Patent No. 258,083, dated May 16, 1882.

Application filed March 14, 1882. (No model.)

To all whom it may concern:

Be it known that I, ANDERSON LATHROP, of Van Hornesville, in the county of Herkimer and State of New York, have invented certain new and useful Improvements in Combined Weather-Strips and Door-Springs; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

The object of this invention is to produce a simple, durable, inexpensive, and efficient combined weather-strip and door-spring.

In the drawings, Figure 1 is a front view; Fig. 2, a vertical sectional view; Fig. 3, a perspective view with the door open, and Fig. 4 a sectional view of the spring device.

Referring by letter to the drawings, A designates the door-frame, at the side of which is secured a suitable spring device, B, to the lower end of which is secured a cord, C, which passes down through a staple, D, secured to the door-frame across to and through a staple, E, affixed to the door F, and from thence down through one of a series of perforations, G, in the end of the metallic plate H, forming the weather-strip, on the under side of which the cord is secured by means of a transverse pin, I, or in any other suitable manner. The weather-strip plate H is hinged at its upper end to the bottom of the door, and brackets carrying pulleys over which the cord C can run may be substituted for the staples D and E.

It will thus be seen that when the door is opened the tension of the spring on the cord will cause the weather-strip to be elevated to

the position shown in Fig. 3 of the drawings, where it will be out of the way of travel, in sweeping, &c. When the hold on the door is released it is caused to spring back by action of the spring device to its normal closed position. The tension on the cord is thus released and the weather-strip, by reason of its gravity, drops down to its normal position.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

1. The combination, with the gravity weather-strip on the door, of the spring device secured to the door-frame and adapted to raise the weather-strip when the door is opened, as set forth.

2. The combination of the spring device secured to the door-frame, and having connecting-cord C, adjustably secured to one end of the weather-strip, with the weather-strip hinged to the door at the bottom thereof, as herein shown and specified.

3. The combination of the spring device secured to the door-frame, the connecting-cord secured to the lower end thereof and passing down through staples or their equivalent affixed to the frame and door, its lower end being secured to the weather-strip, and the metallic plate forming the weather-strip, substantially as and for the purpose specified.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

ANDERSON LATHROP.

Witnesses:

JAMES H. SMITH,
MILTON COUNTRYMAN.