

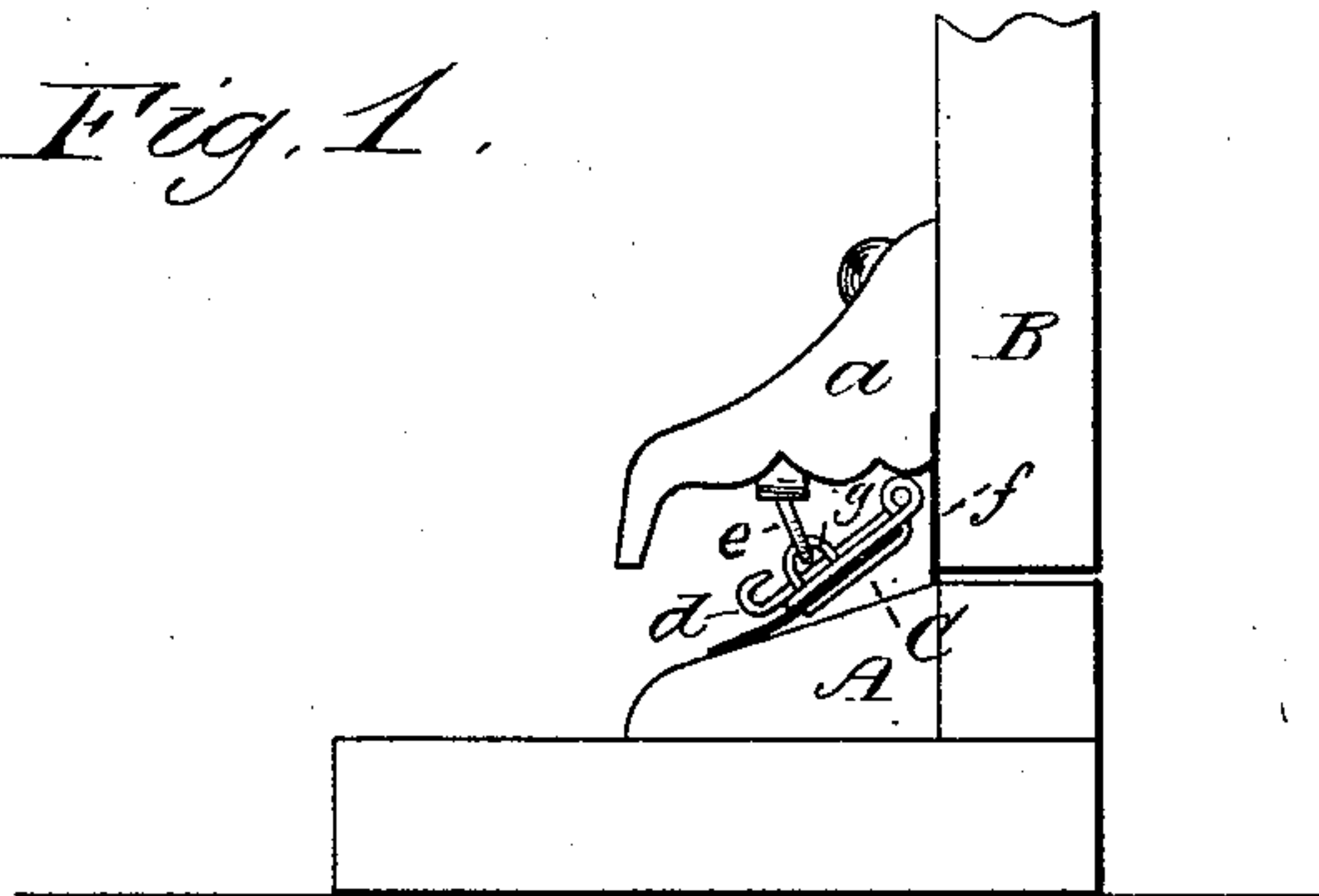
(No Model.)

G. W. BELL.  
Weather-Strip.

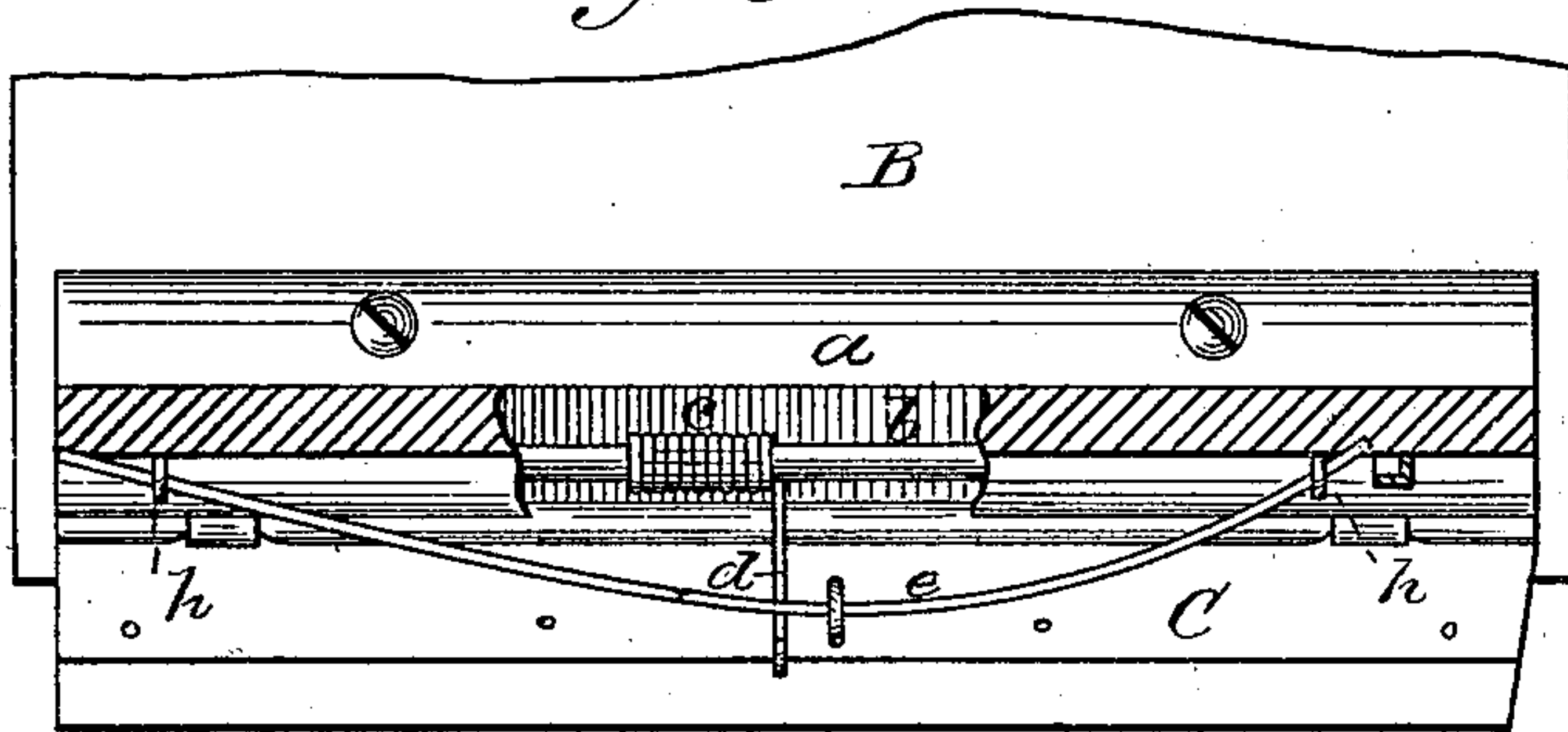
No. 227,404.

Patented May 11, 1880.

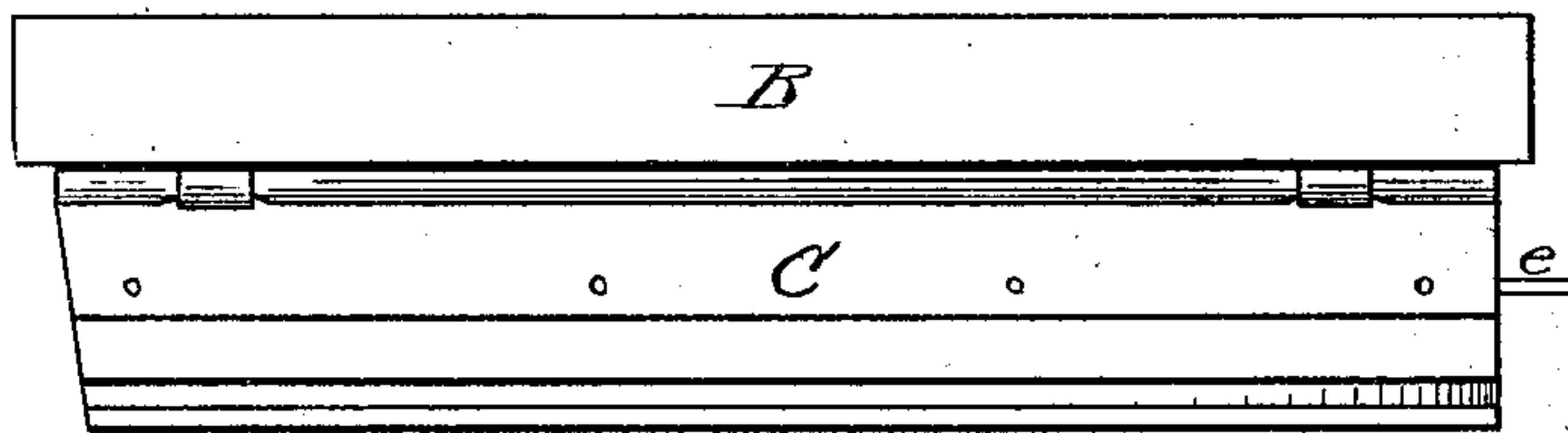
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



WITNESSES

Nat. E. Oliphant,  
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George W. Bell.  
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# UNITED STATES PATENT OFFICE.

GEORGE W. BELL, OF ST. JOSEPH, MISSOURI.

## WEATHER-STRIP.

SPECIFICATION forming part of Letters Patent No. 227,404, dated May 11, 1880.

Application filed March 23, 1880. (No model.)

*To all whom it may concern:*

Be it known that I, GEORGE W. BELL, a citizen of the United States, residing at St. Joseph, in the county of Buchanan and State of Missouri, have invented certain new and useful Improvements in Weather-Strips; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 is an end view of my improved weather-strip connected to a door, and showing it closed down against the threshold thereof. Fig. 2 is a plan view of the weather-strip with its operating mechanism. Fig. 3 is an under-side plan view.

This invention has relation to weather-strips connected to the bottom of a door in such manner as to shut tightly down when the door is closed, to close the space between the shut door and threshold.

The invention consists in the peculiar manner of attaching the weather-strip to the door and means for operating it, as will be hereinafter described, and subsequently pointed out in the claim.

In the accompanying drawings, A represents the threshold, and B the door, having secured to it a molding, *a*. To the under side of the molding *a* is connected a short barb, *b*, over which is coiled a spring, *c*, one end thereof bearing against the under side of the molding, while the other end of the spring forms an arm, *d*, which extends out at right angles to the axis of the spring and passes under a wire rod, *e*.

The weather-strip C may be of wood, metal, or other suitable material, and, if desired, may have a tongue, of rubber or other elastic material, connected to its free edge.

I do not wish, however, to limit my invention to any particular form of the weather-

strip C; and the elastic tongue, if desired, may be dispensed with. This weather-strip C is hinged to the under side of the molding *a*, and a strip of rubber (shown at *f*) is secured between the molding and door and projects down below the edge of said door, which serves as additional security against the admission of air or water through the space between the door and threshold.

The rod *e* passes through an eye or staple, *g*, secured to the weather-strip C, and its ends pass through similar eyes or staples *h* upon the under side of the molding *a*, these eyes or staples serving or acting as guides for the rod.

One end of the rod projects beyond the end of the molding *a*, so that when the door is being closed the end of the rod will come in contact with the side of the door-frame, which will cause the rod *e* to assume position as shown in Fig. 2, which will force the weather-strip down against the threshold and retain it there while the door is closed.

When the door is opened the spring *c*, with its arm *d*, acting against the under side of the rod, will draw the weather-strip up against the molding.

Having now fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The door B and molding *a*, having spring *c*, with arm *d*, in combination with the hinged weather-strip C and rod *e*, connected to the molding and weather-strip, as described, one end of the rod projecting beyond the end of the strip and molding, and operating substantially as described.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

GEORGE W. BELL.

Witnesses:

JOHN W. JOHNSON,  
F. M. ROSEDALE.