

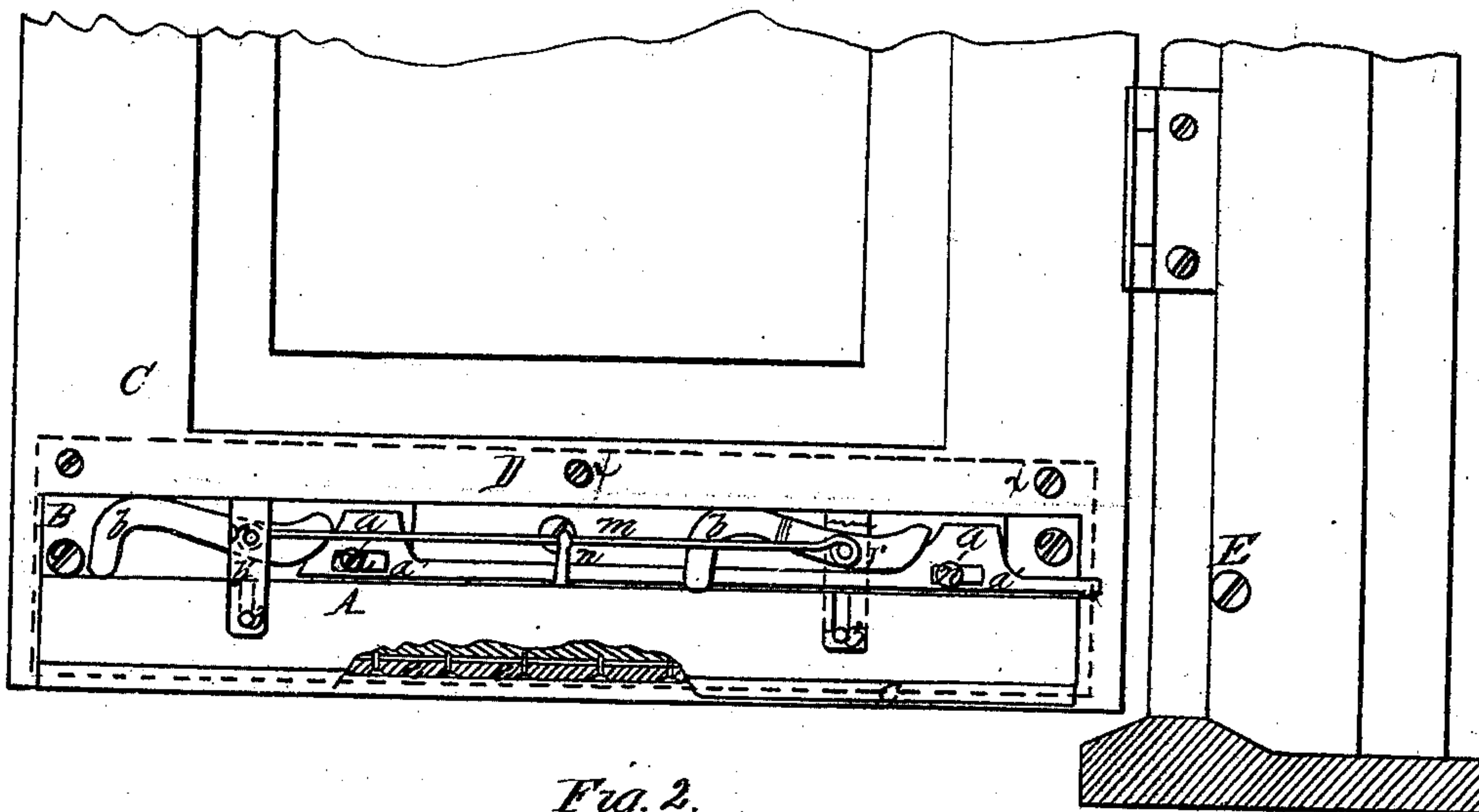
*Cretors & Hoover,*

*Weather Strip.*

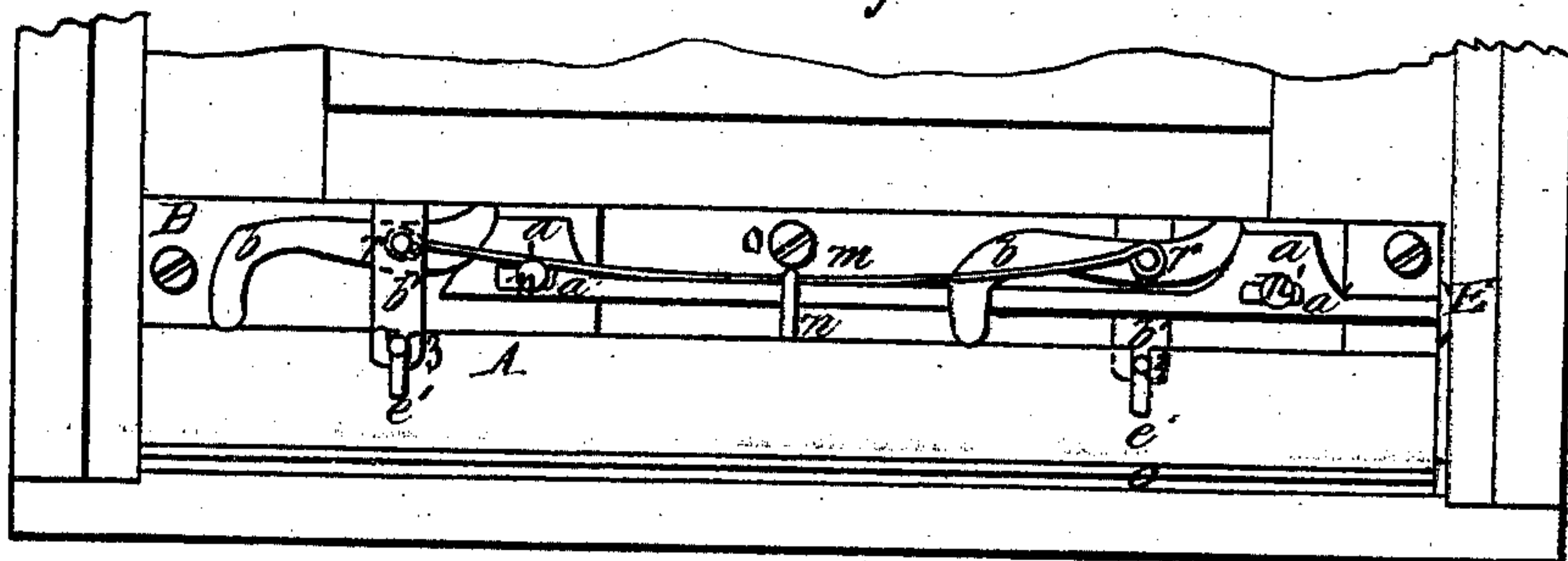
*No. 97,302.*

*Patented Nov. 30. 1869.*

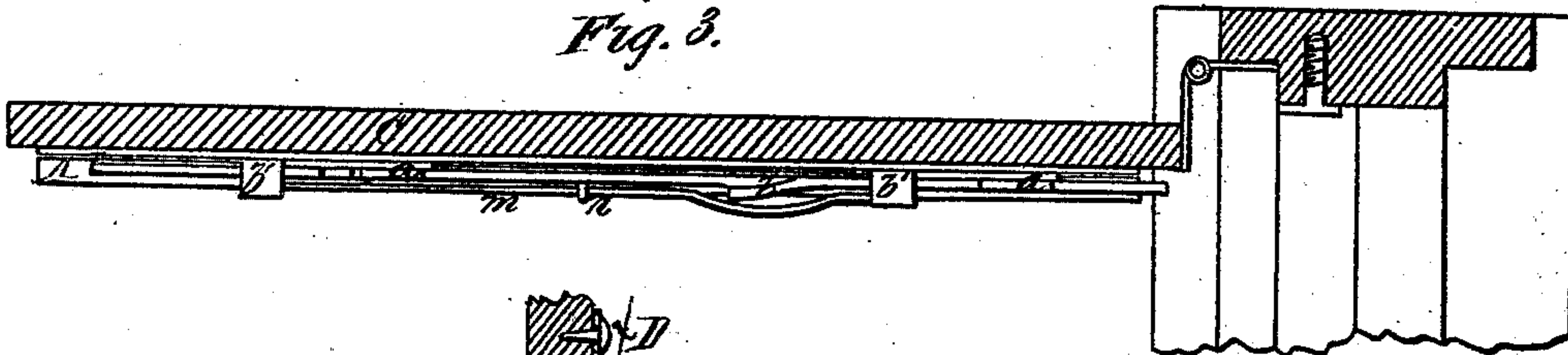
*Fig. 1.*



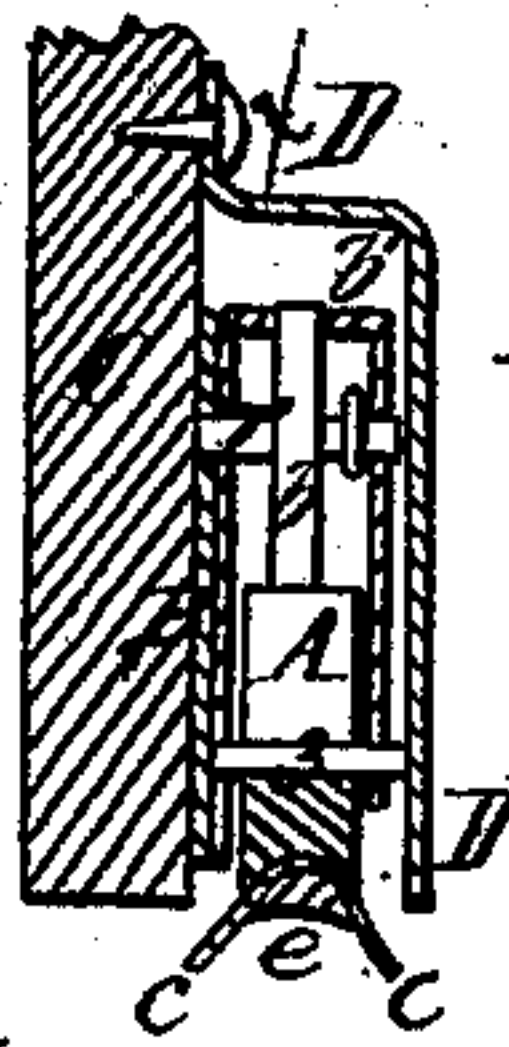
*Fig. 2.*



*Fig. 3.*



*Fig. 4.*



*Witnesses.*

*Frank L. Briggs  
Charles Wilson*

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*L. W. Cretors  
E. Hoover*

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# United States Patent Office.

GEORGE W. CRETORS AND ENOS HOOVER, OF CLINTON COUNTY, INDIANA.

Letters Patent No. 97,362, dated November 30, 1869.

## IMPROVED WEATHER-STRIP.

The Schedule referred to in these Letters Patent and making part of the same

*To all whom it may concern:*

Be it known that we, GEORGE W. CRETORS and ENOS HOOVER, citizens of the county of Clinton, in the State of Indiana, have invented a new and improved Weather-Strip; and we hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

Our invention relates to that class of door-strips which will close down tightly upon the sill of the door-frame when the door is closed, and without exposing to view the mechanical arrangement by which the same is accomplished, and consists in the arrangement of the devices as hereinafter described.

To enable others skilled in the art to understand and use our invention, we will proceed to describe the manner in which we have carried it out.

B is a wooden or metallic plate, secured at the bottom of the door C by means of screws *o o*.

A is a strip, to the lower edge of which is secured a double elastic, *c c*, as shown in Figure 4, and letter *c*, strip A, is made to rest evenly on the spring-bar *m*, to which it is attached by the bar *n*.

This strip is also slotted at *e' e'*, so as to pass freely up and down, and be held in place by the pins *z z*.

The bent levers *b b* are secured at pins *r r*, which have their bearings in the frames *b' b'*.

The double-headed bar *a a* is provided with slots *a' a'*, in which slide the bolts *n' n'*, and by which the bar *a a* is held in place, and is allowed to slide, to a limited distance, backward and forward.

The end of this bar, toward the hinged side of the door, is made slightly longer than the strip A, so that when the door is closed, this lengthened end of the bar comes in contact with the plate or screw E, as shown in fig. 2, and forces the bevelled heads of the bar against the bent levers *b b*, and causes the long arms of the levers to bear upon and to force down the strip A, as shown in fig. 2.

When the door is again opened, or as soon as the bar *a a* is relieved of the pressure caused by its coming in contact with the plate E, the spring-bar *m*, which has been bent down, as shown in fig. 2, resumes its position, as shown in fig. 1, and again raises the strip A, and forces the bar *a a* back to its position, as is also shown in fig. 1.

D is a metallic covering for the mechanism above described, as shown in fig. 4, and is indicated by a dotted line in fig. 1. This covering is secured by screws or nails *x x* to the door C, and above the metal plate B.

What we claim as our invention, and desire to secure by Letters Patent, is—

The weather-strip A, in combination with the spring *m*, bar *a a*, bent levers *b b*, and covering D, all constructed and arranged substantially as described.

GEORGE W. CRETORS.  
ENOS HOOVER.

Witnesses:

JOHN ATKINSON,  
EDWARD KRAMER.