

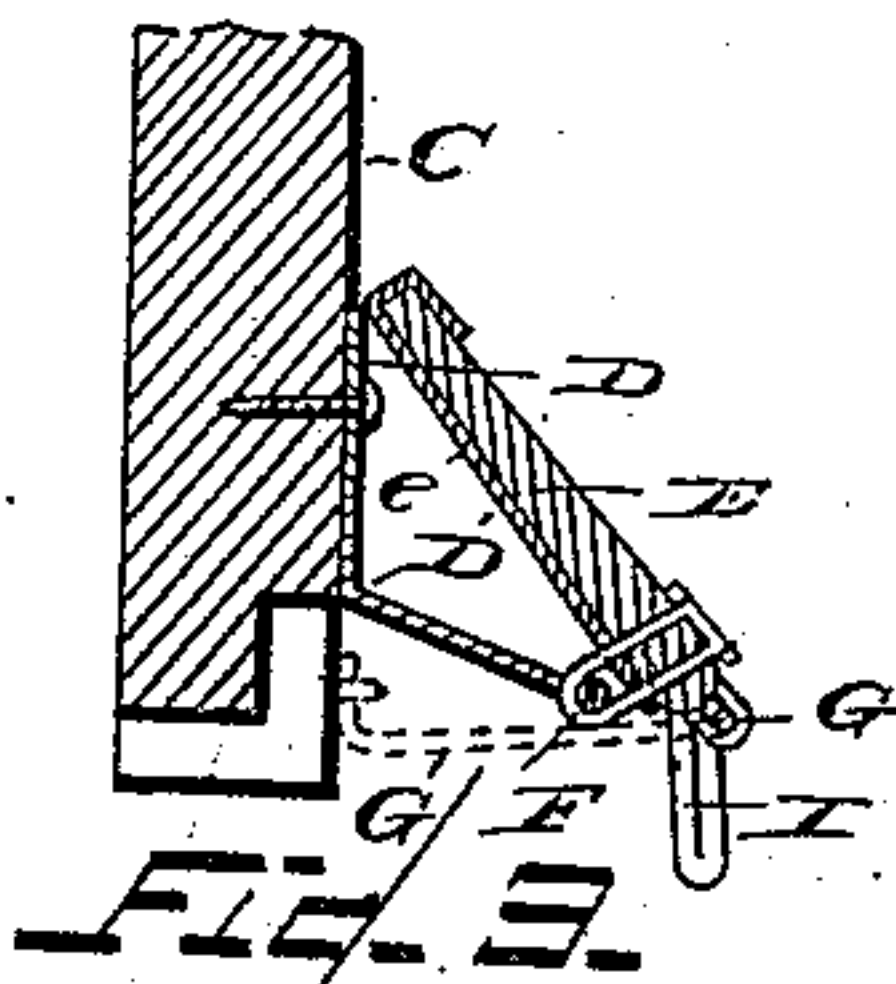
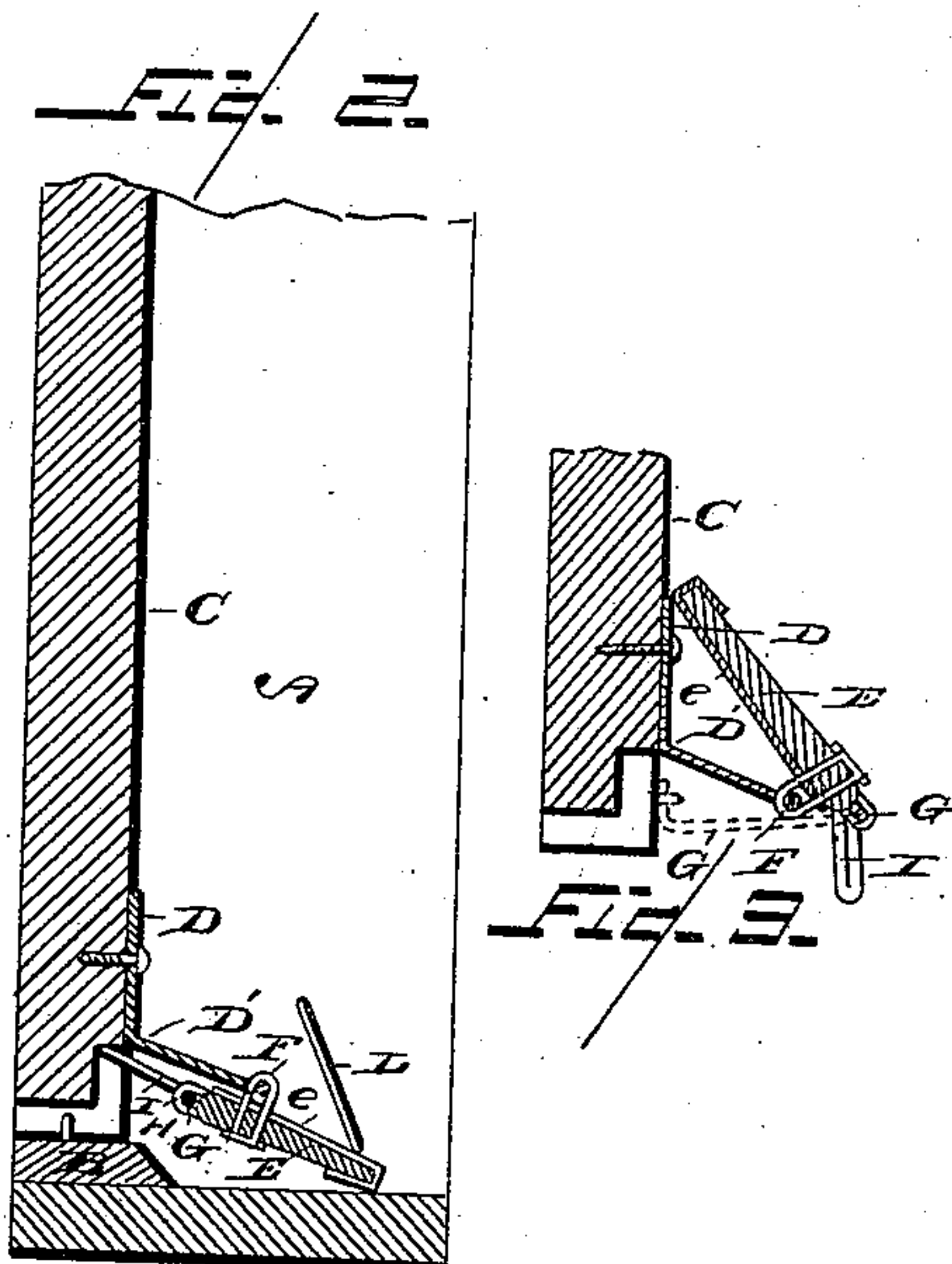
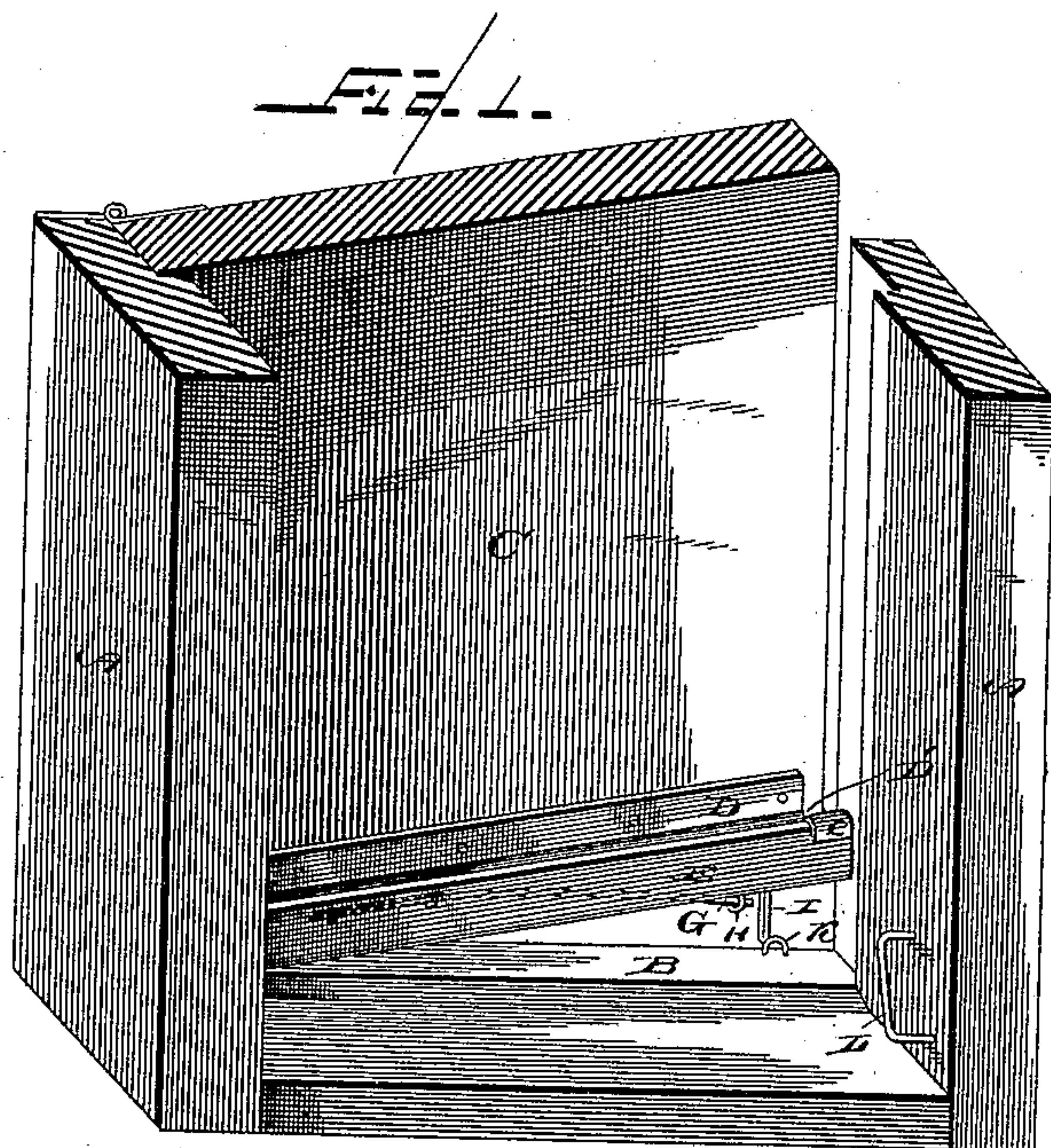
(No Model.)

T. J. FITZPATRICK.

WEATHER STRIP.

No. 336,907.

Patented Mar. 2, 1886.



Witnesses

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# UNITED STATES PATENT OFFICE.

THOMAS JOHN FITZPATRICK, OF MONTICELLO, OHIO.

## WEATHER-STRIP.

SPECIFICATION forming part of Letters Patent No. 336,907, dated March 2, 1886.

Application filed December 9, 1885. Serial No. 185,166. (No model.)

*To all whom it may concern:*

Be it known that I, THOMAS J. FITZPATRICK, a citizen of the United States, residing at Monticello, in the county of Van Wert and State of Ohio, have invented a new and useful Improvement in Weather-Strips, of which the following is a specification, reference being had to the accompanying drawings.

My invention relates to an improvement in weather strips for doors; and it consists in the peculiar construction and combination of devices that will be more fully set forth hereinafter, and particularly pointed out in the claims.

In the drawings, Figure 1 is a perspective view of a weather-strip embodying my invention attached to a door, the latter being partly open. Fig. 2 is a transverse sectional view of a portion of the door and door-frame, with my improved weather-strip attached thereto, the door being shown closed. Fig. 3 is a sectional view through the door, showing the strips thrown back as it is when opening the door.

A represents the door-frame; B, the carpet-strip on the sill thereof, and C represents the door, which is hinged to the door-frame in the usual way. Near the lower edge of the door, on one side thereof, is secured a metallic strip, D, which is arranged horizontally on the door and has its lower edge extended out therefrom, as at D'.

To the extended edge of the strip D is hinged a weather-strip, E, which is preferably made of wood and of the form here shown, and is hinged to the strip D by means of staples F.

G represents a spring-bar, which is secured at one end to the door, under the strip D, and has its free end working in a keeper, H, which is attached to the inner edge of the weather-strip. This spring-bar presses normally outwardly from the door, so as to keep the weather-strip normally raised to the position shown in Figs. 1 and 3.

I represents a tappet-arm, which projects from the inner edge of the weather-strip, near the outer end thereof. The upper side of the

outer end of the weather-strip, when the latter is made of wood, is sheathed with metal, as at e, to prevent wear or abrasion of the said strip. A stud, K, is located on the inner upper side of the carpet-strip, in the path of the tappet-arm, as shown. In the side of the door-frame against which the door closes is secured a cam or keeper, L, which is located at a suitable angle. When the door is open, the spring G raises the weather-strip, as hereinbefore described, and when the door is closed the tappet-arm first strikes against the stud on the carpet-strip and depresses the weather-strip against the tension of the spring G, causing the outer edge of the weather-strip to strike against the inclined keeper L, by which the weather-strip is forced downwardly to the position shown in Fig. 2 in solid lines, and causes the outer edge of the said strip to bear against the upper side of the door-sill and effectually close the crack below the door.

Having thus described my invention, I claim—

1. The combination, with the door, of the weather-strip hinged thereto, and having the tappet-arm, the spring bearing against the weather-strip to raise the latter, and the stud against which the tappet-arm strikes when the door closes to depress the weather-strip, substantially as described.

2. The combination, with the door, of the weather-strip hinged thereto, and having the tappet-arm, the spring bearing against the weather-strip to raise the latter, and the stud against which the tappet-arm strikes when the door closes to depress the weather-strip, and the keeper K, secured to the door-frame at an angle to force the outer edge of the weather-strip against the door-sill, substantially as described.

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

THOMAS JOHN FITZPATRICK.

Witnesses:

JOHN N. BAILEY,  
JOHN E. PURDY.