

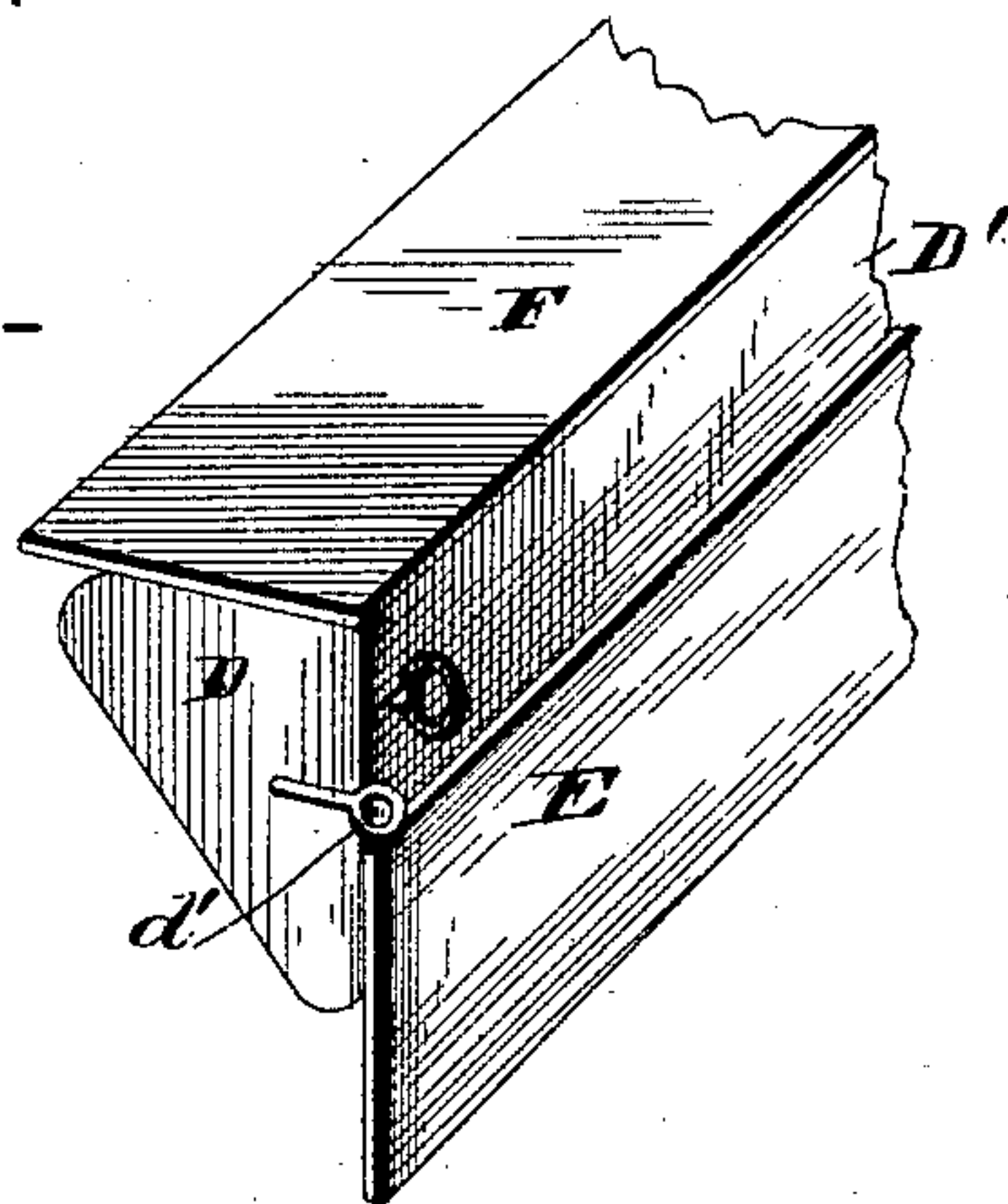
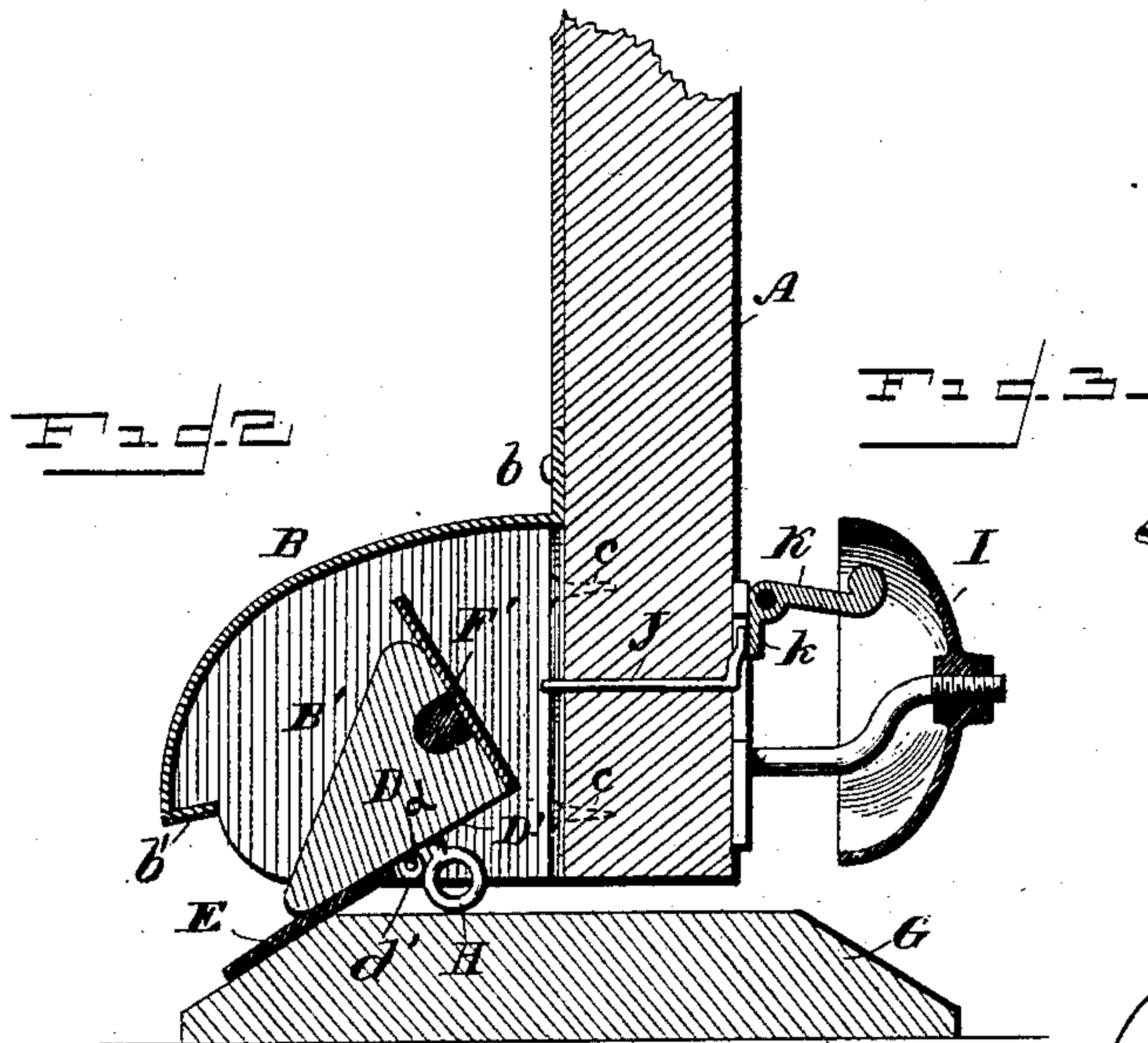
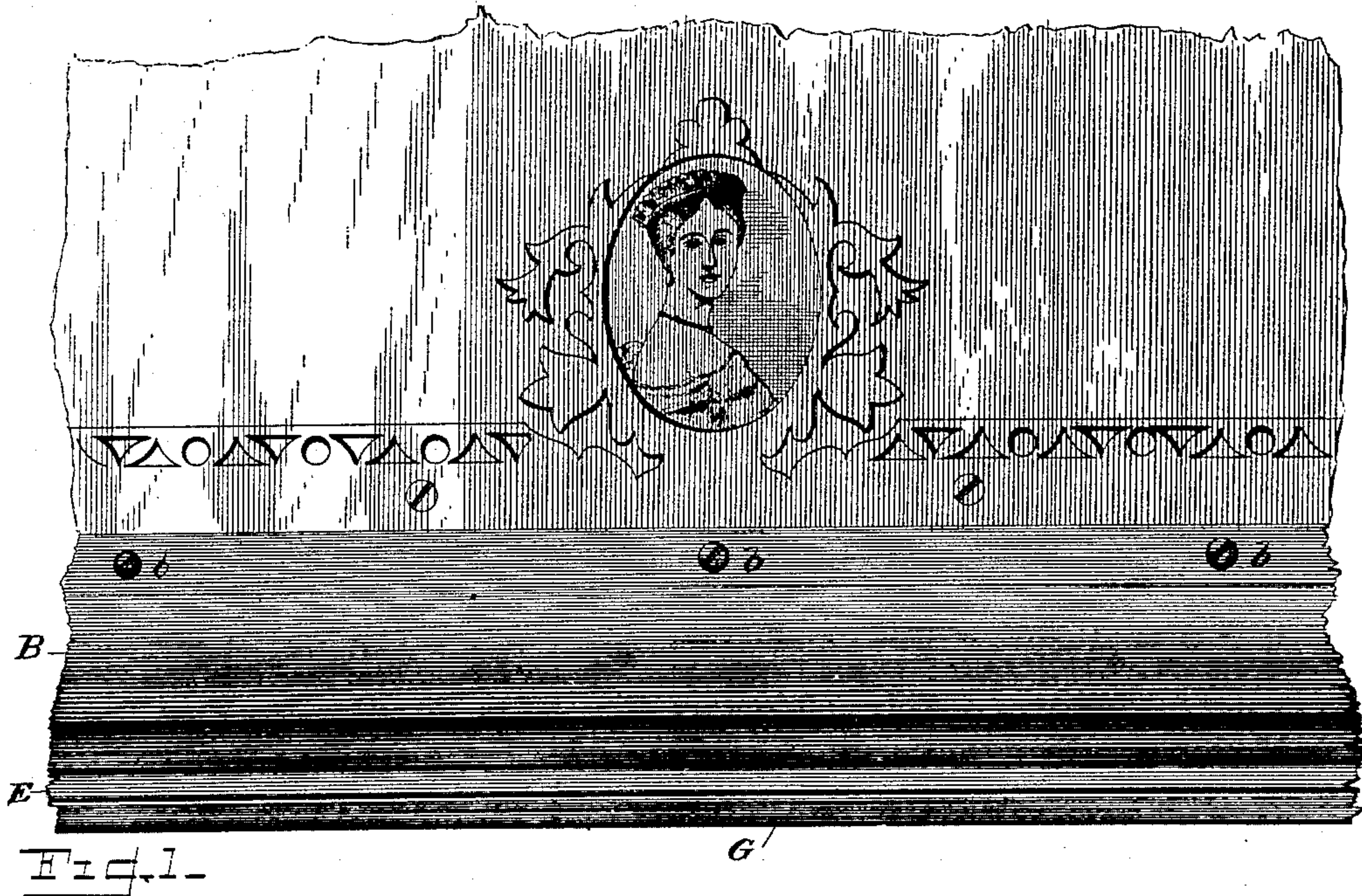
(No Model.)

J. H. NOLAN.

WEATHER STRIP.

No. 346,060.

Patented July 20, 1886.



WITNESSES
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UNITED STATES PATENT OFFICE.

JOHN H. NOLAN, OF PLEASANTON, KANSAS.

WEATHER-STRIP.

SPECIFICATION forming part of Letters Patent No. 346,060, dated July 20, 1886.

Application filed April 15, 1886. Serial No. 198,916. (No model.)

To all whom it may concern:

Be it known that I, JOHN H. NOLAN, a citizen of the United States of America, residing at Pleasanton, in the county of Linn and State of Kansas, have invented certain new and useful Improvements in Weather-Strips; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

My invention relates to certain new and useful improvements in weather-strips; and it consists in the construction and combination of the parts, as will be hereinafter fully set forth, and specifically pointed out in the claims, whereby I am not only enabled to provide a weather-strip which will keep the cold air, rain, and sleet from finding its way into the apartment under the door, but also a device which will sound an alarm when the door is opened.

In the accompanying drawings, which illustrate my invention, Figure 1 is a front view of my improved weather-strip, showing the same applied. Fig. 2 is a sectional view through the door and sill at the point where the alarm device is located, and Fig. 3 is a detail perspective view.

A refers to the door, which is provided on its outer side with a transverse box or casing, B, the upper end of which is bent vertically and provided with perforations, so that the same can be secured to the door by ordinary screws, *b*. The top or main portion of the covering-plate B is preferably made of sheet metal, and its lower edge is bent inwardly at an angle, as shown at *b'*, so that said inwardly-bent portion will engage with a projecting portion of the side piece, B'. The side pieces, B', which project at right angles from the door, being adjacent to the door, their edges bend, so that said side pieces may be firmly secured in position by means of screws *c c*. The side or end pieces, B', are preferably made of heavier material than the covering-plate B.

Each of the end pieces, B', is provided near its lower edge with inwardly-projecting pins *d*, within which will lie the eyes *d'*, attached

to the weather-strip D, so that said weather-strip will be pivotally attached thereto.

The weather-strip D is preferably triangular in cross-section, and to what is normally the lower side thereof is attached, by means of tacks or other securing means, the rubber strip E, which will lie over the threshold when the door is closed.

F refers to a flat metallic strip which is rigidly secured to the strip D, for the double purpose of adding weight, so as to balance the strip and prevent the same warping. This strip also serves as an engaging means for the bell-operating device. If it is necessary to further overbalance the strip, I may recess the wooden bar D and place within said recess a metallic bar, F', as shown in Fig. 2.

To the side D' of the strip D, I attach a wire loop or eyebolt, which can be adjusted so as to engage with the threshold G, and will when the door is closed throw the weather-strip to the position shown in Fig. 2 of the drawings, and when the door is opened this loop H clears the upper surface of the threshold and permits the weighted portion of the strip D to throw the strip E into contact with the upwardly-turned edge of the covering-plate, said strip when free of the threshold being maintained in such a position by the bar F, which overbalances the same.

To the inner side of the door A is suitably attached a bell, I, and opposite thereto the door is provided with an opening, through which passes a sliding bar, J, with which the plate or metallic strip F engages. The hammer of the bell K is pivoted to the door and has a depending portion, *k*, with which the bar J engages, so that when the door is opened and the weather-strip raised the bell will be rung. Instead of employing a bell or alarm mechanism, as shown, I may substitute a spring-alarm, which will be released by the sliding bars J.

Above the boxing or housing for the weather-strip suitable ornamental devices may be attached.

I claim—

1. The improved weather-strip herein described, consisting of a strip, D, having attached to one side thereof a projecting flexible strip, E, and to the other side a flat metallic

plate, F, said strip D being pivotally attached to a door, and provided with a loop or bail for depressing the same when it engages with the threshold, substantially as shown, and for the
5 purpose set forth.

2. In combination with a door having a weighted weather-strip attached thereto, a bell-hammer adapted to be operated by said weath-

er-strip, so as to sound an alarm when the door is opened, substantially as shown. ic

In testimony whereof I affix my signature in presence of two witnesses.

JOHN H. NOLAN.

Witnesses:

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J. W. TURNER.