

No. 632,049.

Patented Aug. 29, 1899.

G. W. GOLDEN.  
WEATHER GUARD.

(Application filed May 1, 1899.)

(No Model.)

Fig. 1.

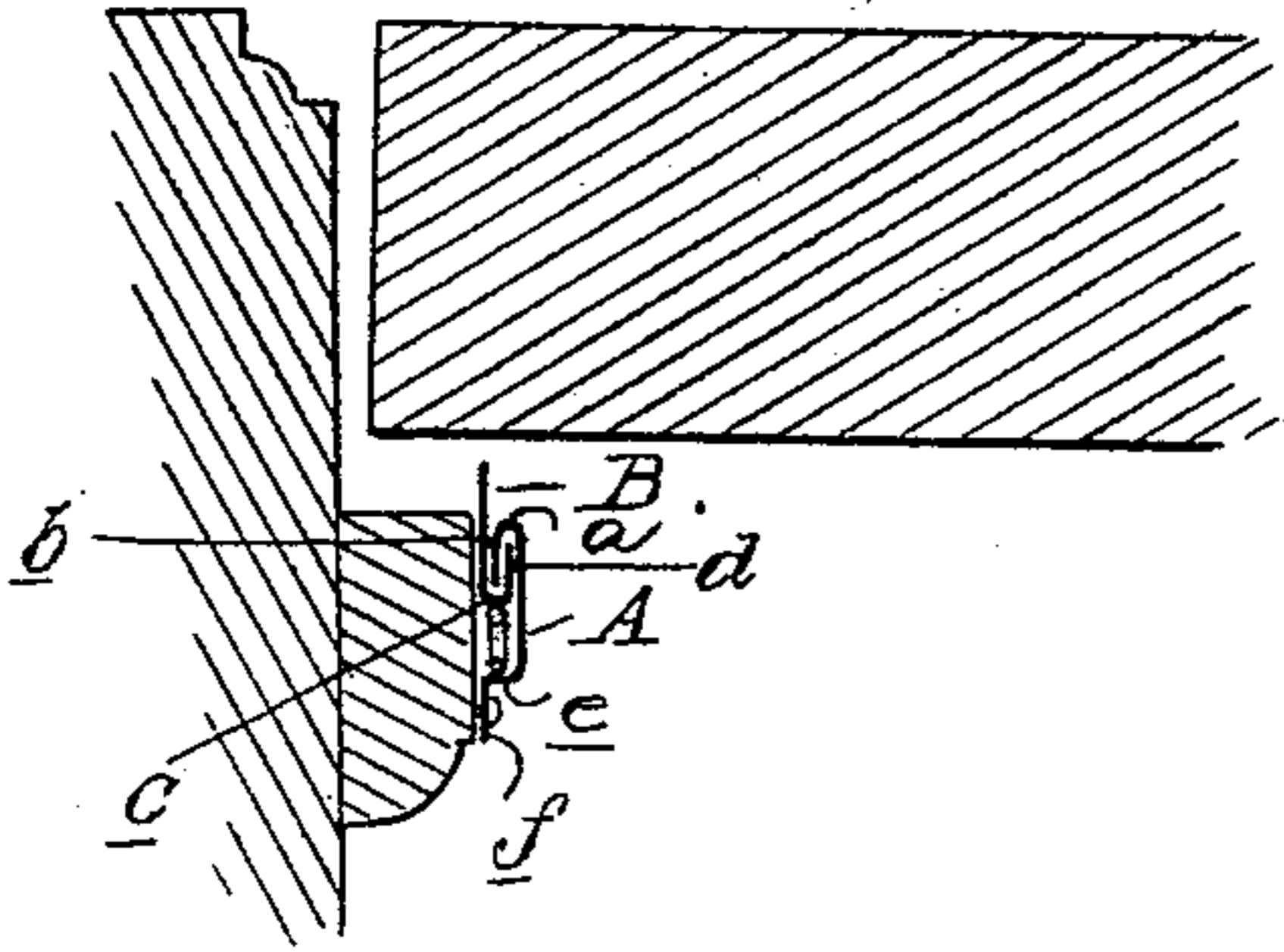


Fig. 2.

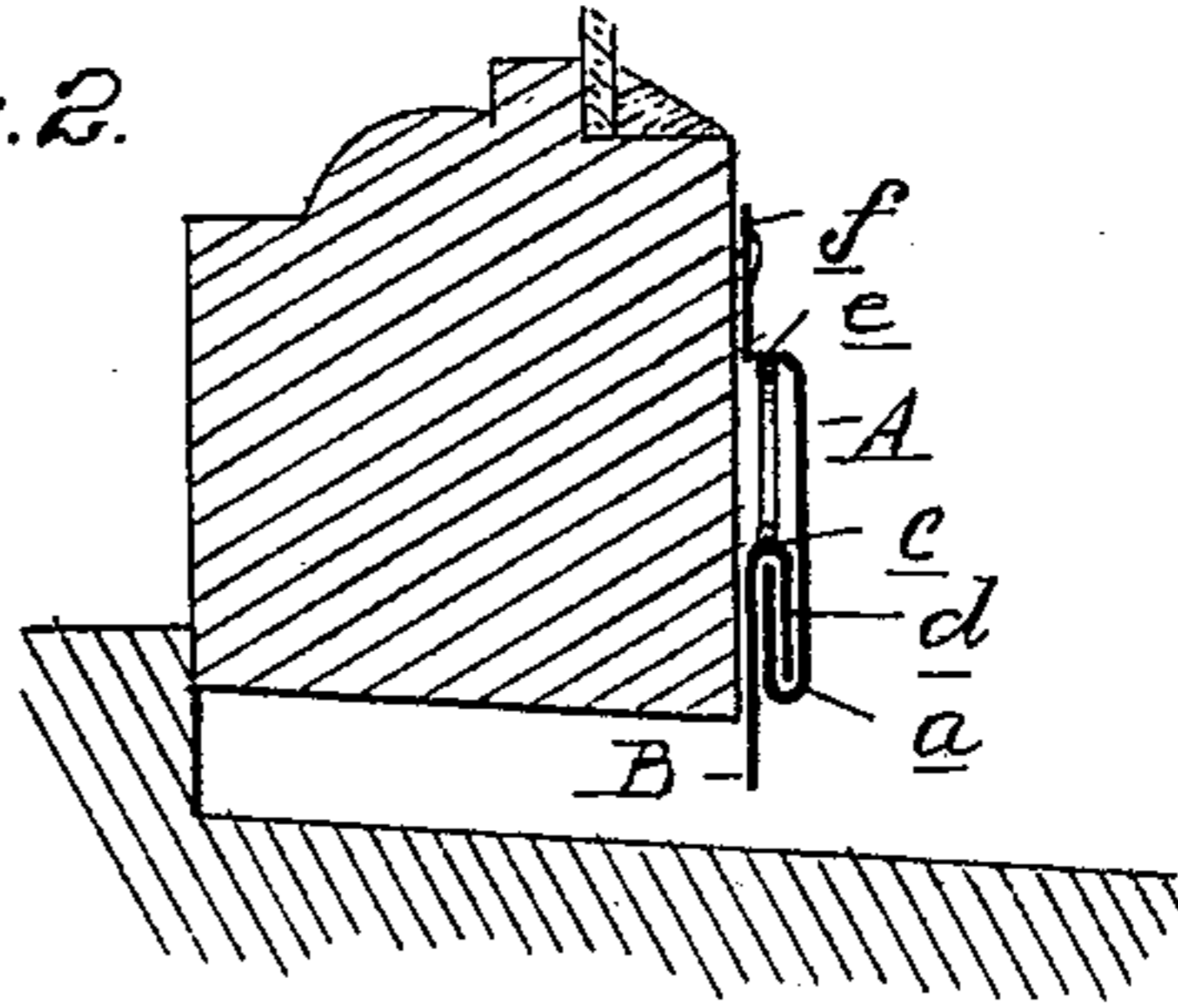


Fig. 3.

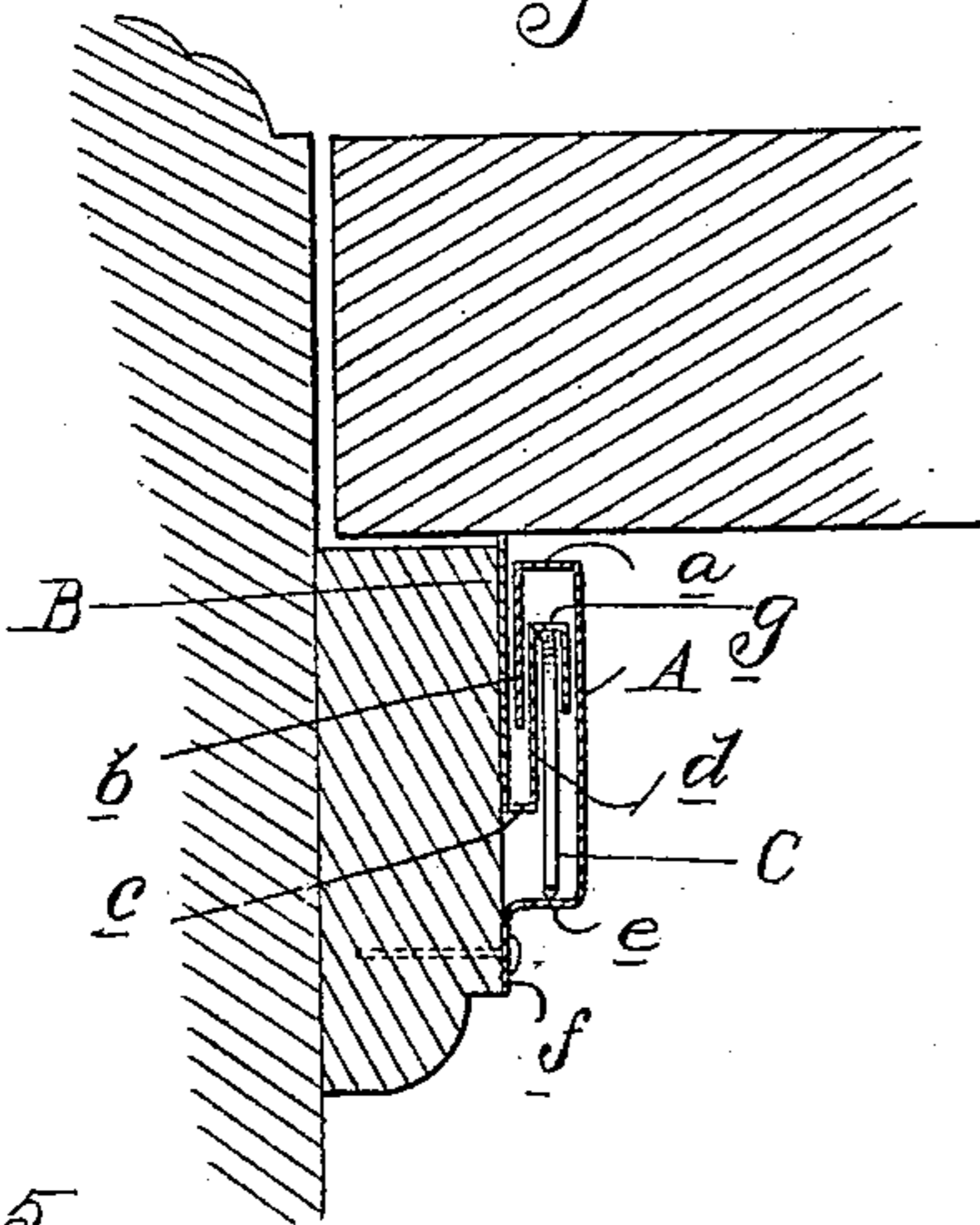


Fig. 4.

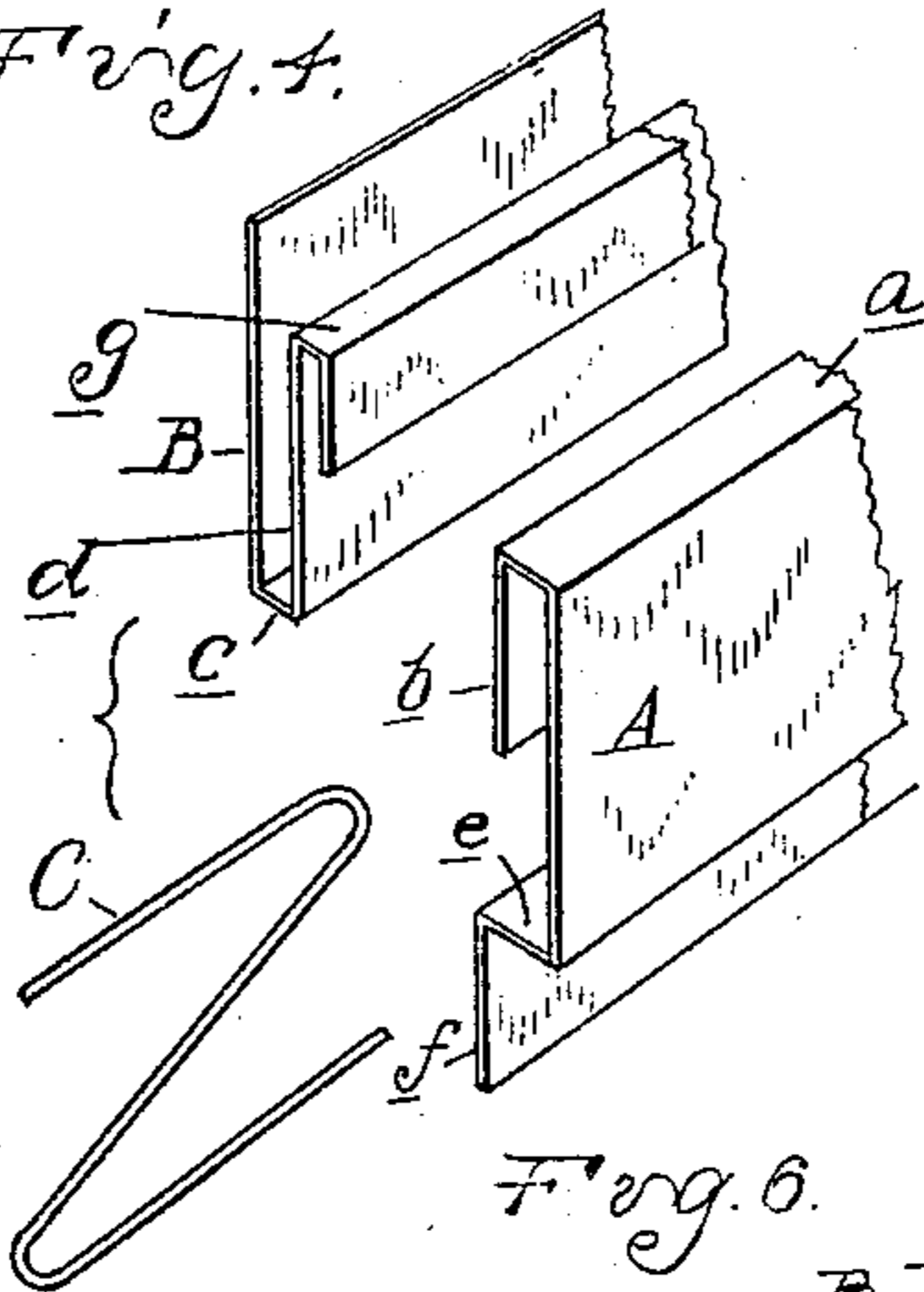


Fig. 5.

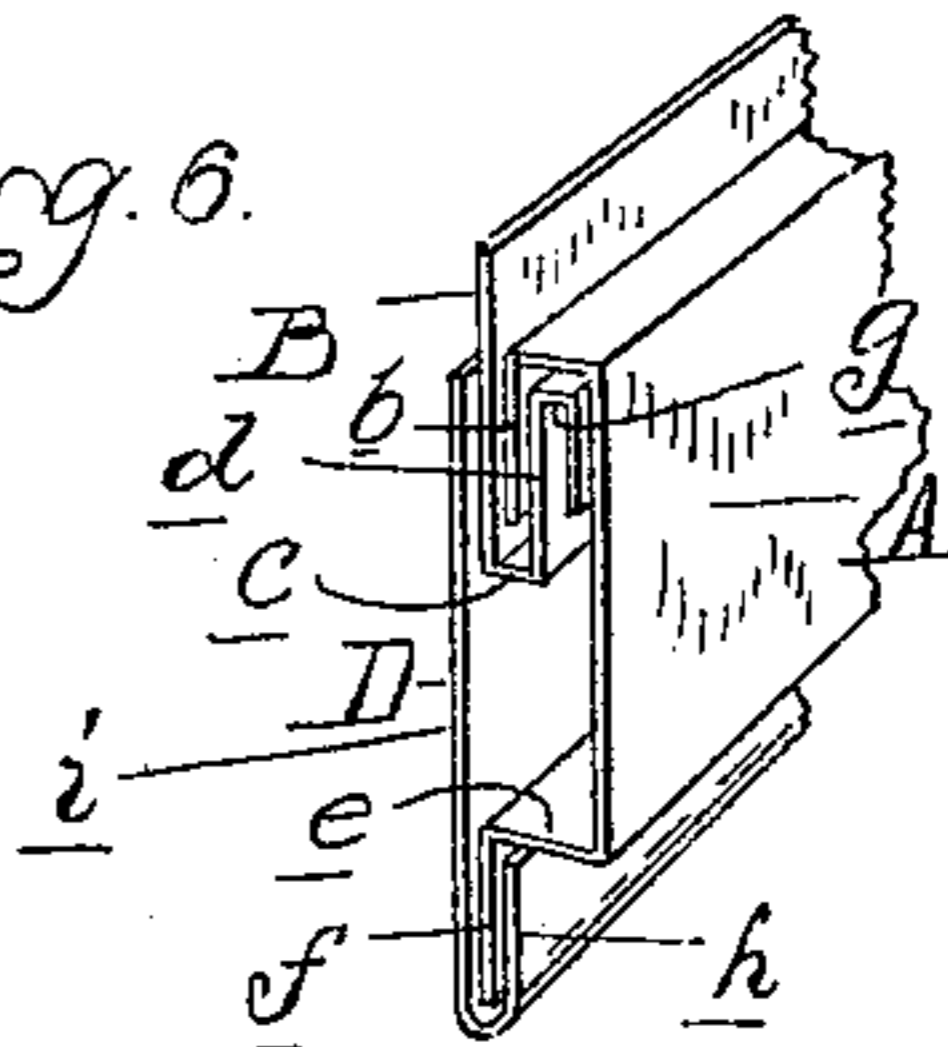


Fig. 6.

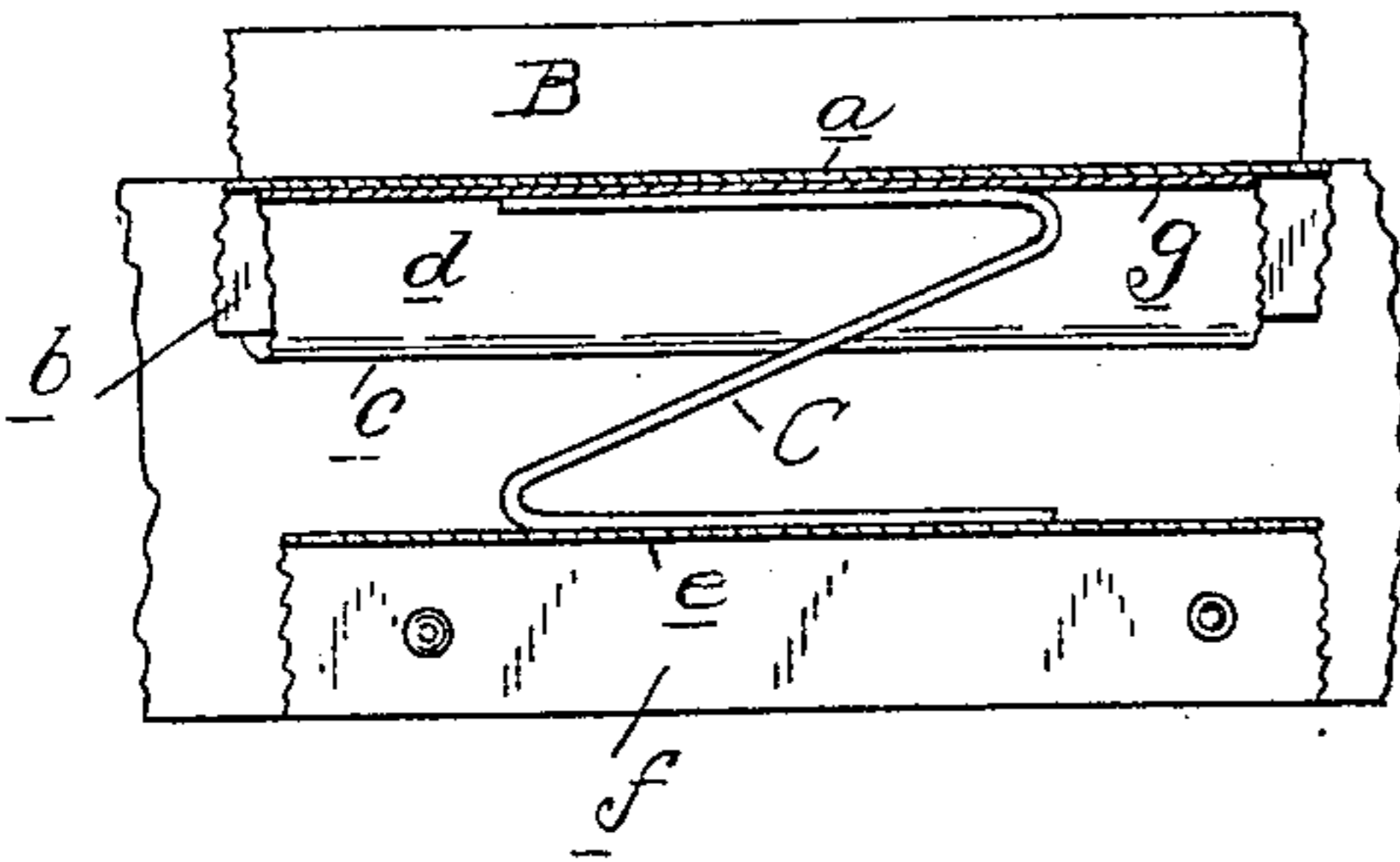
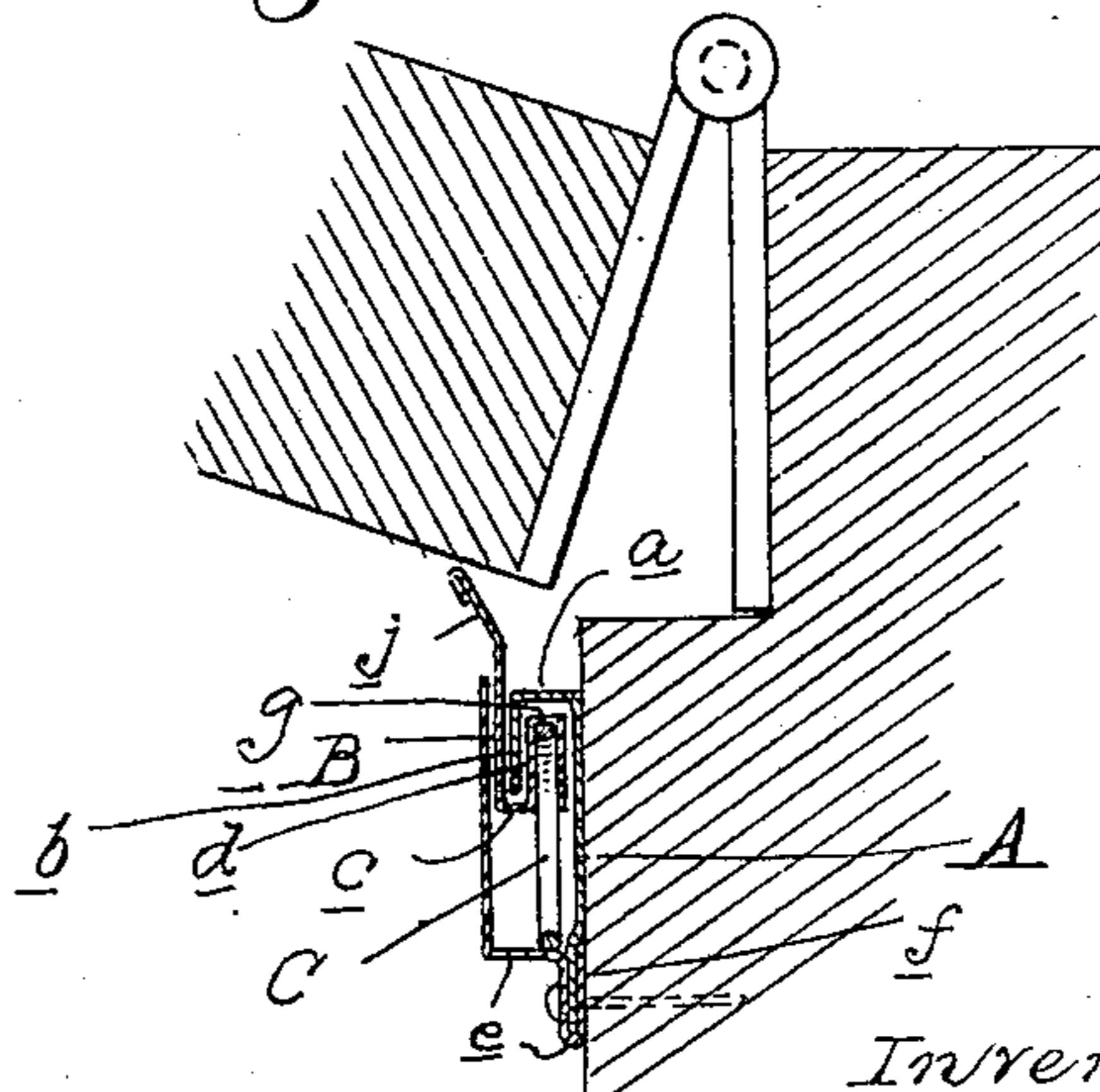


Fig. 7.



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# UNITED STATES PATENT OFFICE.

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## WEATHER-GUARD.

SPECIFICATION forming part of Letters Patent No. 632,049, dated August 29, 1899.

Application filed May 1, 1899. Serial No. 715,176. (No model.)

*To all whom it may concern:*

Be it known that I, GEORGE W. GOLDEN, a citizen of the United States, residing at Detroit, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in Weather-Guards, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to weather-guards designed to be applied either to doors or to the top and bottom rails of window-sash; and it is the object of the invention to obtain a construction by means of which air and dust are effectually excluded and which may be easily applied to either doors or windows.

The invention consists in the peculiar construction, arrangement, and combination of parts, as hereinafter described and claimed.

In the drawings, Figure 1 is a horizontal section through my guard as applied to a door-casing and showing the door as about to be closed against said strip. Fig. 2 is a vertical section through a window-sash to which my guard is applied. Fig. 3 is a section similar to Fig. 1, showing the door-section. Fig. 4 is a perspective view of the parts detached. Fig. 5 is a longitudinal section through Fig. 3 in the plane of the spring. Fig. 6 is a perspective view of a slightly-modified form of guard. Fig. 7 is a horizontal section of a door-casing and hinge edge of the door, showing a slightly-modified form of guard applied thereto.

In Figs. 1 and 2 of the drawings I show a simple construction of my strip, in which A is the stationary or casing strip, and B is the movable or tongue strip, both preferably formed of sheet metal. The strip A is provided with a longitudinal fold at *a*, forming the return-bend or hook *b*, and the strip B is correspondingly provided with a longitudinal fold at *c*, forming the return-bend or hook *d*. The strip A is also provided on its rear edge with the inwardly-bent portion *e*, having the securing-flange *f*, which may be attached to the window-sash or stop of a door-frame by nails or in any other suitable way. Between the shoulder formed by the inward bend *e* and the strip A are arranged springs C, distrib-

uted at different points along the strip, two of said springs being sufficient for an ordinary window-sash strip. These springs may be held in position in any suitable way and operate to press the movable or tongue strip B outward, so as to force the same against the door or window frame. In the construction shown in Figs. 3 to 7, inclusive, I preferably secure these springs in position by providing the strip B with a second fold or return-bend *g*, which forms a groove into which one end of the spring C engages, thus holding said spring from displacement.

The springs C may be of any desired shape, but in the drawings I have shown them of a Z form.

In the construction shown in Fig. 6 my guard is provided with an additional strip D, which is folded to form a hooked engagement *h* with the flange *f* and has a portion *i* extending parallel with the outer strip A. With this construction the tongue-strip B slides between two metallic strips, and thus will move with even greater freedom than in the construction previously described.

In Fig. 7 I show a construction which I preferably employ in connection with doors, at the hinge edge thereof. In this construction the tongue-strip B is provided with an outwardly bent or offset portion *j*, the object of this bend being to avoid danger of the edge of the tongue being caught by the edge of the door in closing the latter.

With all of the above-described constructions it will be noticed that the movable or tongue member may freely slide laterally in its housing without danger of binding therein, that said tongue-strip being formed of thin, flexible, and elastic material will conform to the surface against which it is pressed, and that the double folds or return-bends will form a practically air and dust proof joint, which prevents circulation around in rear of the movable strip. At the same time the strips are easily manufactured, easily attached, and not liable to get out of repair.

What I claim as my invention is—

1. A weather-guard for windows or doors comprising fixed and movable metallic strips provided with oppositely-arranged longitudi-

nal folds or return-bends slidingly engaging with each other, said fixed strip constituting a housing for said movable strip, and a spring for projecting said strip outward from said housing.

2. A weather-guard for windows or doors comprising fixed and movable metallic strips provided with the oppositely-arranged longitudinal folds or return-bends *b* and *d* slidingly engaging with each other, said fixed strip having a shoulder or inwardly-bent portion *e* and securing-flange *f* and a spring arranged between said shoulder and said movable strip adapted to project the latter outward.

3. A weather-guard for windows or doors comprising fixed and movable metallic strips A and B provided respectively with the oppositely-arranged longitudinal folds or return-bends *b* and *d* laterally slidingly engaging with each other, the strip B having a second return-bend *g* and the strip A having the shoulder or inward bend *e* and flange *f*, and

a spring engaging with the groove of the bend *g* and bearing against the shoulder *e*.

4. A weather-strip for windows or doors comprising fixed and movable metallic strips provided with oppositely-arranged longitudinal folds or return-bends laterally slidingly engaging with each other, and a spring for projecting said movable strip, said movable strip being provided with a lateral offset in its projecting portion for the purpose described.

5. A weather-guard comprising a metallic tongue-strip having a longitudinal fold or return-bend, a housing-strip having a groove with which the return-bend of said tongue-strip is laterally slidingly engaged, and a spring for projecting said tongue-strip from its housing.

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

GEORGE W. GOLDEN.

Witnesses:

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