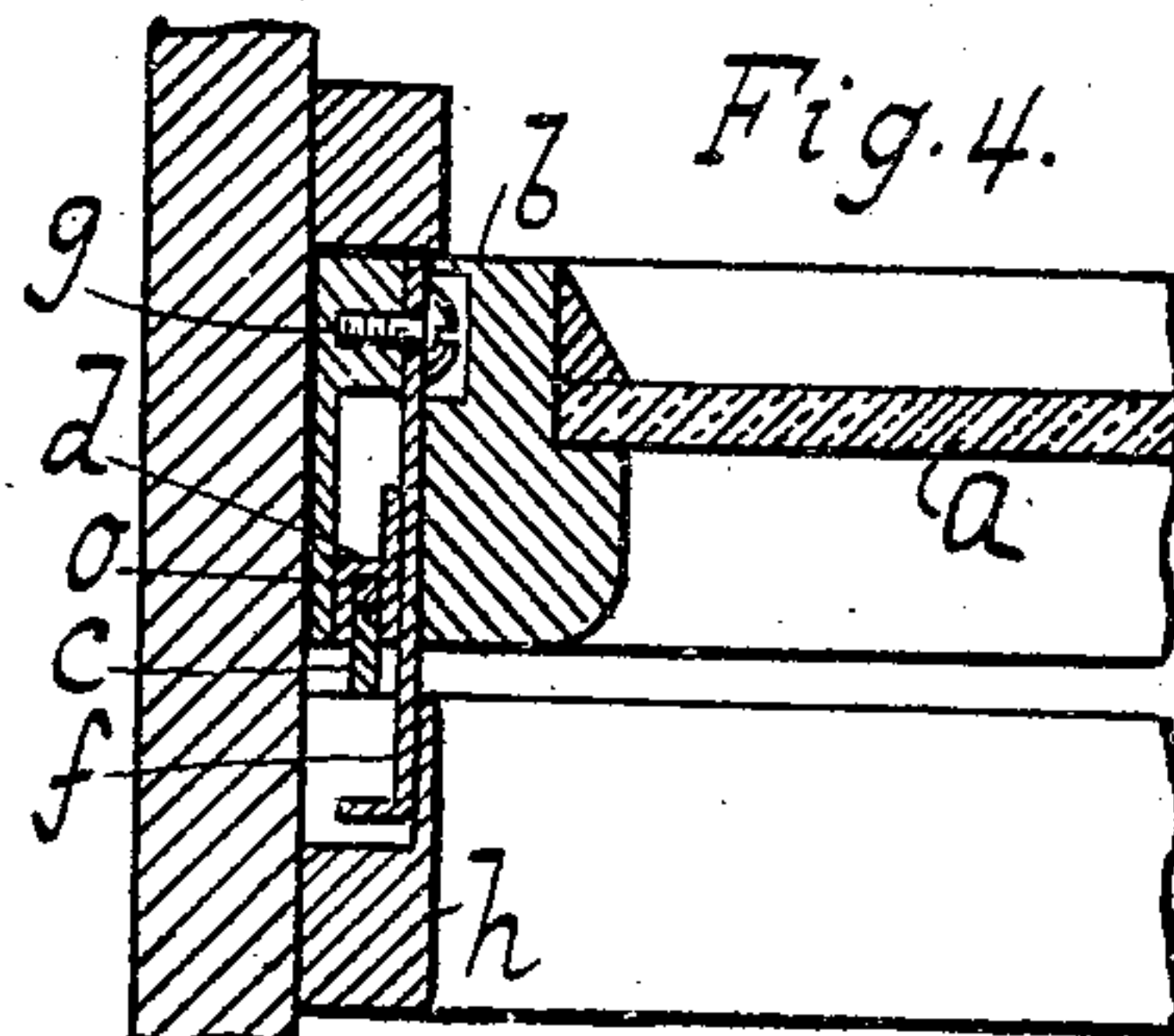
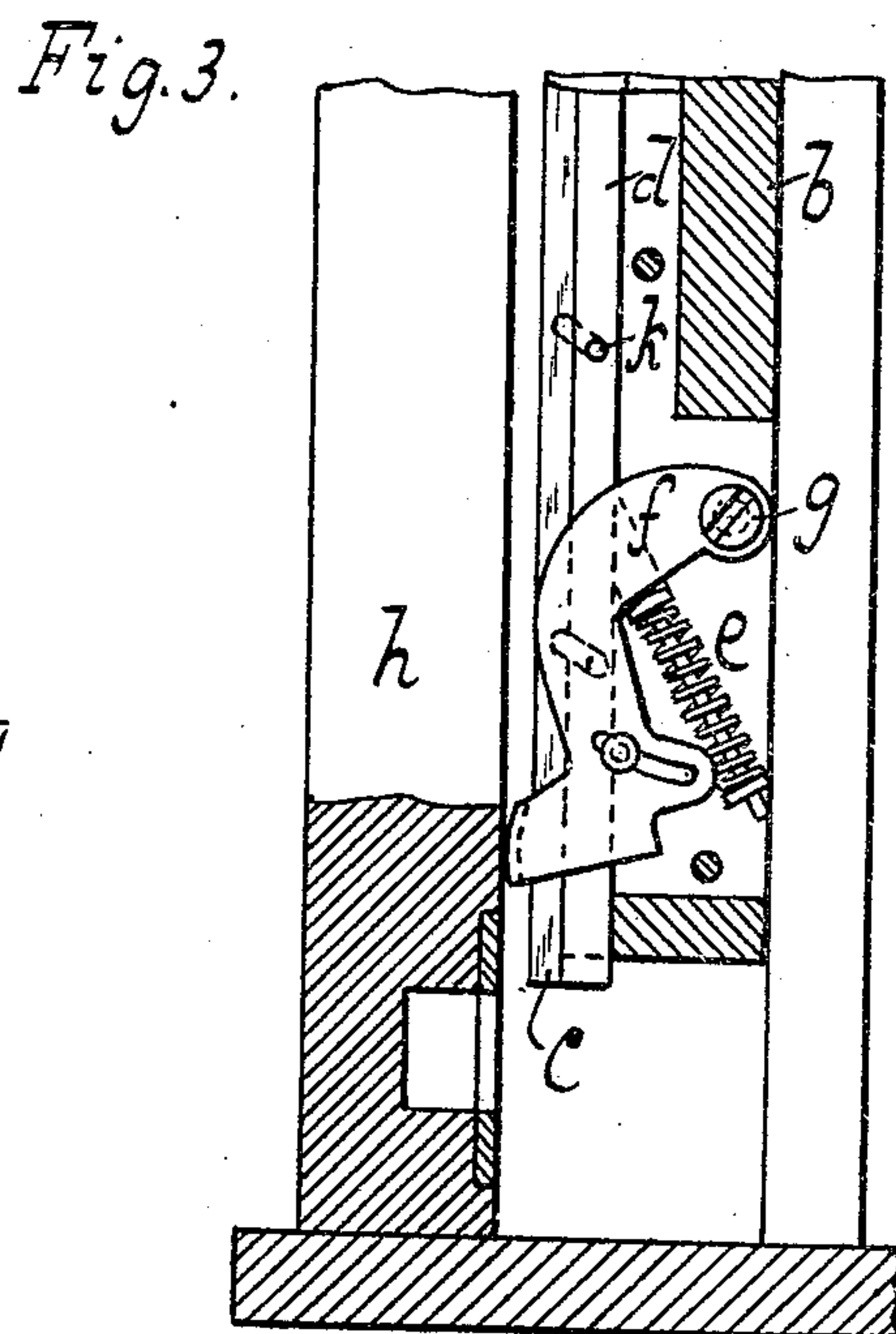
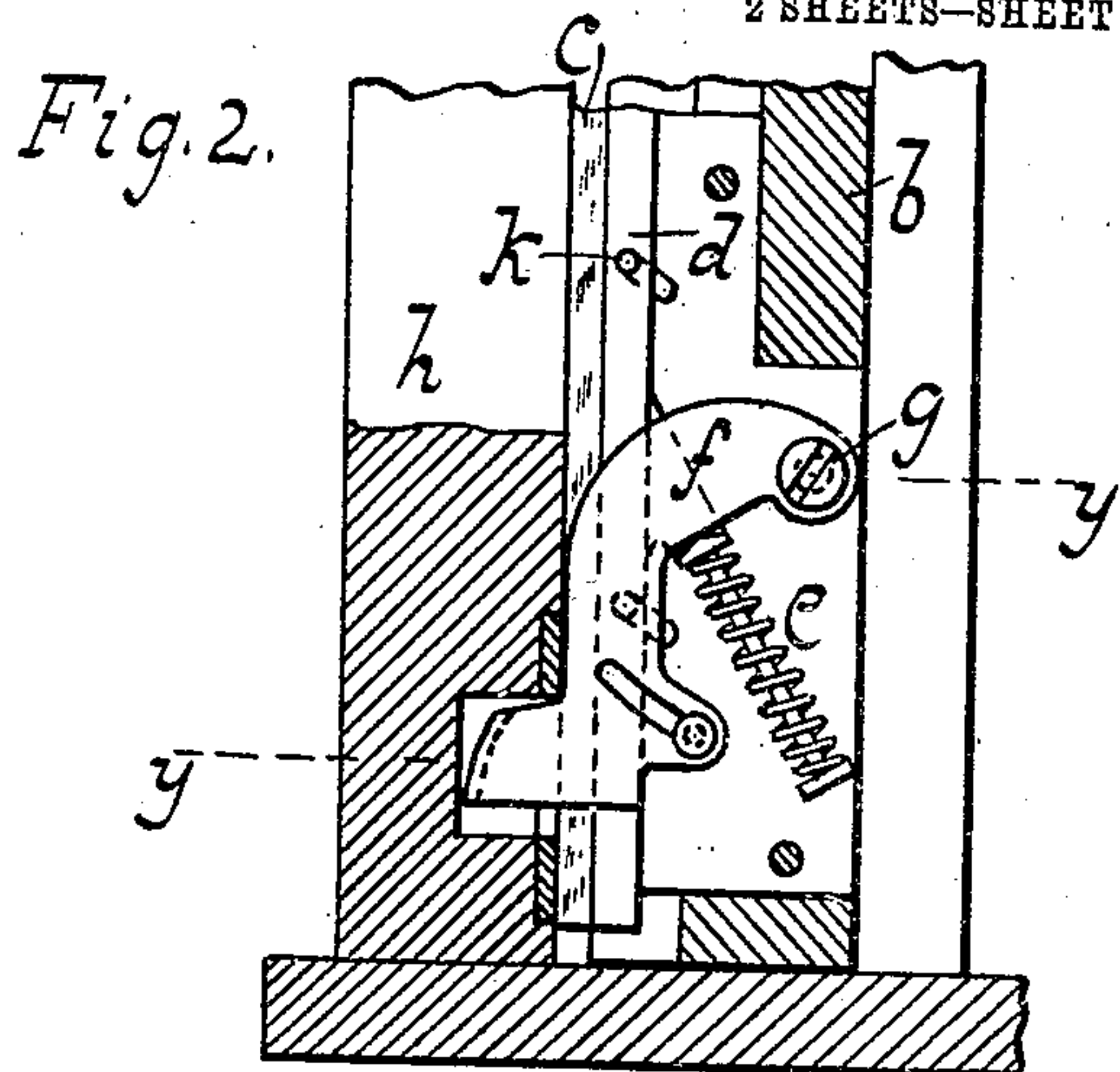
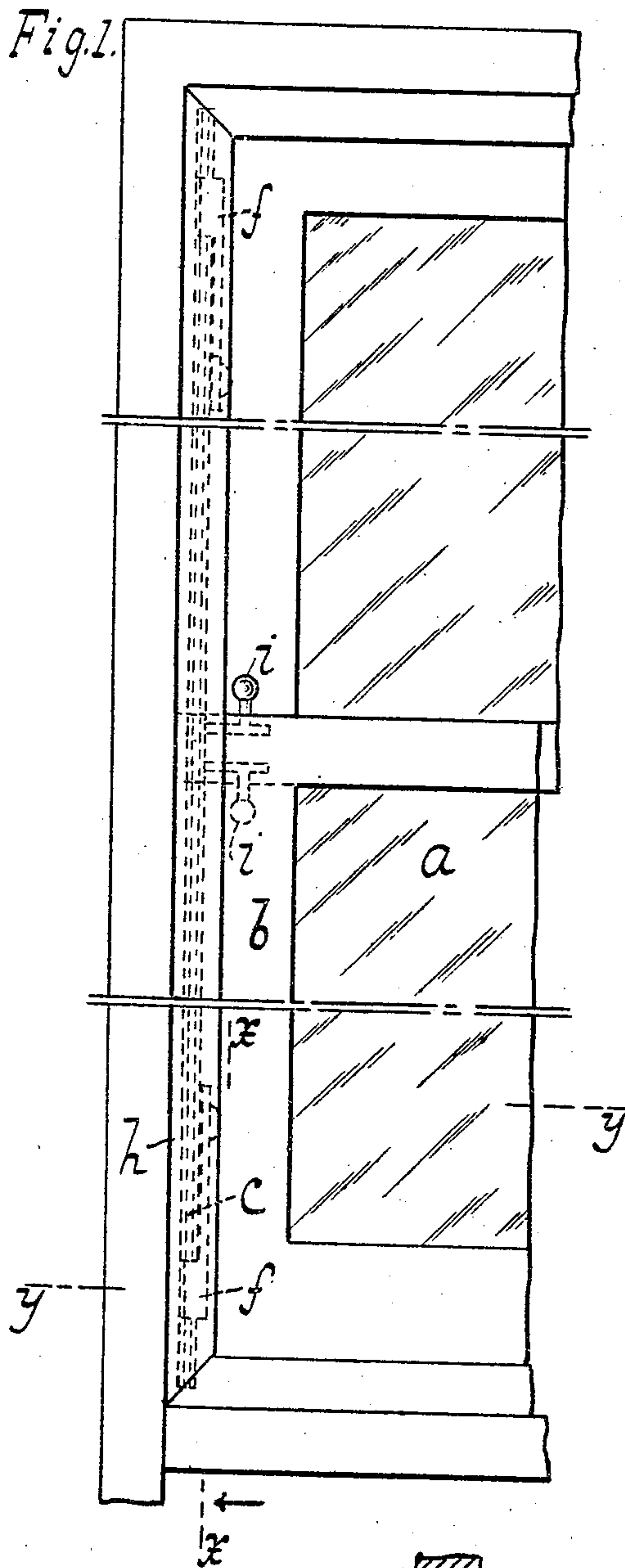


F. L. BARNICK.
 AUTOMATIC OR SELF ADJUSTABLE WEATHER STRIP.
 APPLICATION FILED MAR 2, 1909.

946,482.

Patented Jan. 11, 1910.

2 SHEETS—SHEET 1.



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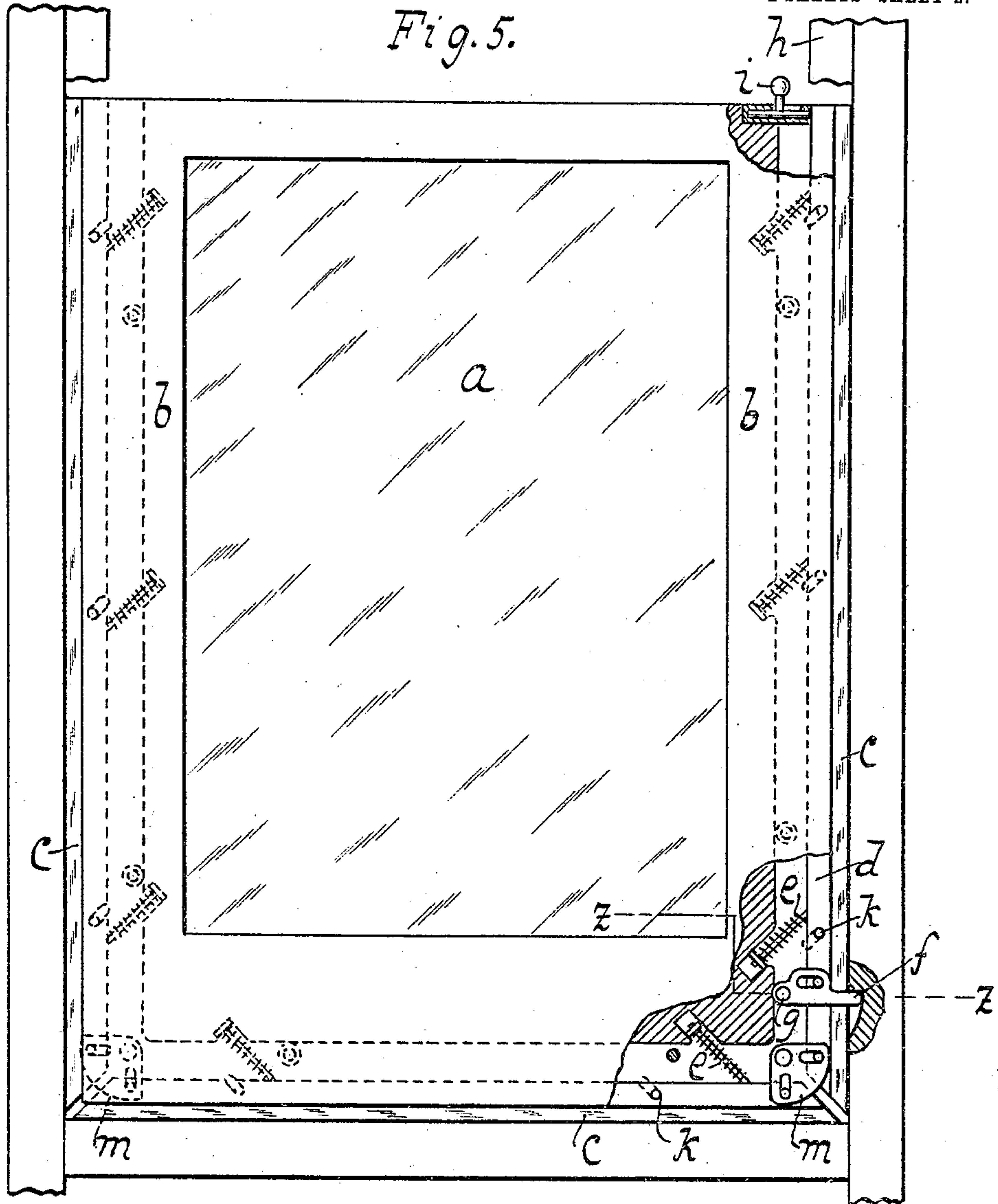
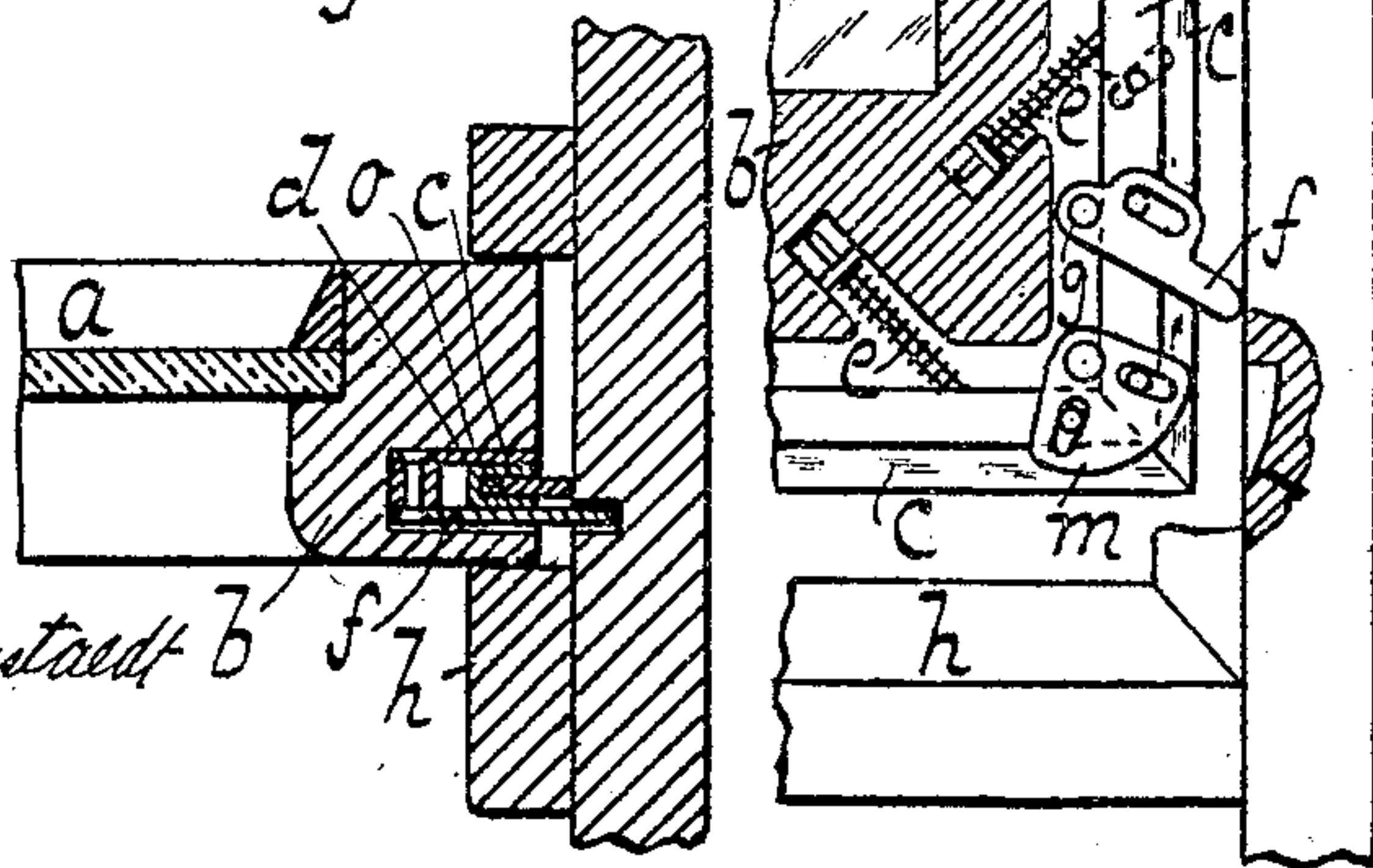


Fig. 6.

Fig. 7.



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UNITED STATES PATENT OFFICE.

FRANK L. BARNICK, OF NEW YORK, N. Y.

AUTOMATIC OR SELF-ADJUSTABLE WEATHER-STRIP.

946,482.

Specification of Letters Patent.

Patented Jan. 11, 1910.

Application filed March 2, 1909. Serial No. 480,839.

To all whom it may concern:

Be it known that I, FRANK L. BARNICK, a citizen of the United States, residing at New York, in the county of New York and State of New York, have invented new and useful Improvements in Automatic or Self-Adjustable Weather-Strips, of which the following is a specification.

The weather strip of this invention can be made automatic or self adjustable or so as to normally occupy a position to tightly close or prevent looseness or rattling of the window or door to which the article is applied.

This invention is set forth in the following specification and claims and illustrated in the annexed drawing in which:—

Figure 1 is a face view of a weather strip embodying this invention and applied to a window or sliding sash. Fig. 2 is a face view of part of the weather strip of Fig. 1 applied to the lower sash and showing the sash closed down and the weather strip in projected position to make tight closure, said figure being a section along $x-x$ Fig. 1. Fig. 3 is a view like Fig. 2 showing the sash raised and the weather strip retracted or out of action to allow easy sliding of the sash. Fig. 4 is a section along $y-y$ Fig. 1. Fig. 5 is a face view of a modification. Fig. 6 is a section along $z-z$ Fig. 5. Fig. 7 shows parts of Fig. 5 with the sash or window open.

In Fig. 1 are shown the upper and lower sashes of a sliding window but the description of one sash will explain the invention. The window pane a is carried by the sash frame b as usual. Into the frame or its stiles are cut recesses into which can be set the weather strip composed of a rubber or contacting portion c which strip c is set into a reinforcing part or metallic binding d .

The weather strip is movably connected to the sash and by action of a suitably applied spring e the strip tends to move to closing position. A lever piece f suitably fulcrumed at g has its free end projecting into a recess in the stop bead or inside bead h when the window is closed allowing the spring e to project the strip into action as seen in Fig. 2.

When the sash is raised Fig. 3 the free end of lever f being carried against the bead h is pressed back and being suitably

connected to the weather strip the latter will be drawn back or retracted to allow easy sliding of the sash.

If it is desired to hold the weather strip permanently retracted any suitable fastening can be employed as for example a bolt i which can be moved into the path of the weather strip to prevent its return to forward position.

The connection or guide between the weather strip and the sash is shown in form of a pin and slot connection the pin being indicated at k .

In the modification shown in Fig. 5 in addition to the vertical weather strips as shown in Fig. 1 there is applied a transverse weather strip which is connected to a vertical weather strip or strips by a bell crank lever m . As one of the weather strips is moved to projected or retracted position the bell crank lever connections cause the other strips to move in unison. The transverse weather strip in Fig. 5 is shown applied at the lower sash to form closure at the bottom but a like transverse strip could be applied at the top of the upper sash to form a closure at that point.

The portion c of the weather strip is made of rubber or other suitable material and is clasped by the tubular or U-shaped portion d of metal or the like. Into the portion d is placed a backing strip o of wood against which abuts the strip c . If the strip c is to be renewed it can be removed and another strip replaced without removing the backing or base strip o .

The strip proper c can be made of any suitable material such as rubber, cork or other substance.

I claim:

1. A weather strip for windows and the like having guide and spring connections and a lever piece for withdrawing the strip from action said lever piece being adapted to contact with a contiguous part of the window to automatically retract the strip when the window is being opened and said contiguous part having a recess for the entry of the lever piece to allow the strip to automatically return into action when the window is closed.

2. A window, a weather strip for the window having guide and spring connections

therewith, a bead for the window and a lever
piece for withdrawing the strip from action,
said lever piece being made to project into
contact with the bead and said bead having
5 a recess for the entry of the lever piece to
allow the weather strip to contact with the
bead.

In testimony whereof I have hereunto set
my hand in the presence of two subscribing
witnesses.

FRANK L. BARNICK.

Witnesses:

W. C. HAUFF,

CHRISTIAN ALMSTAEDT.