

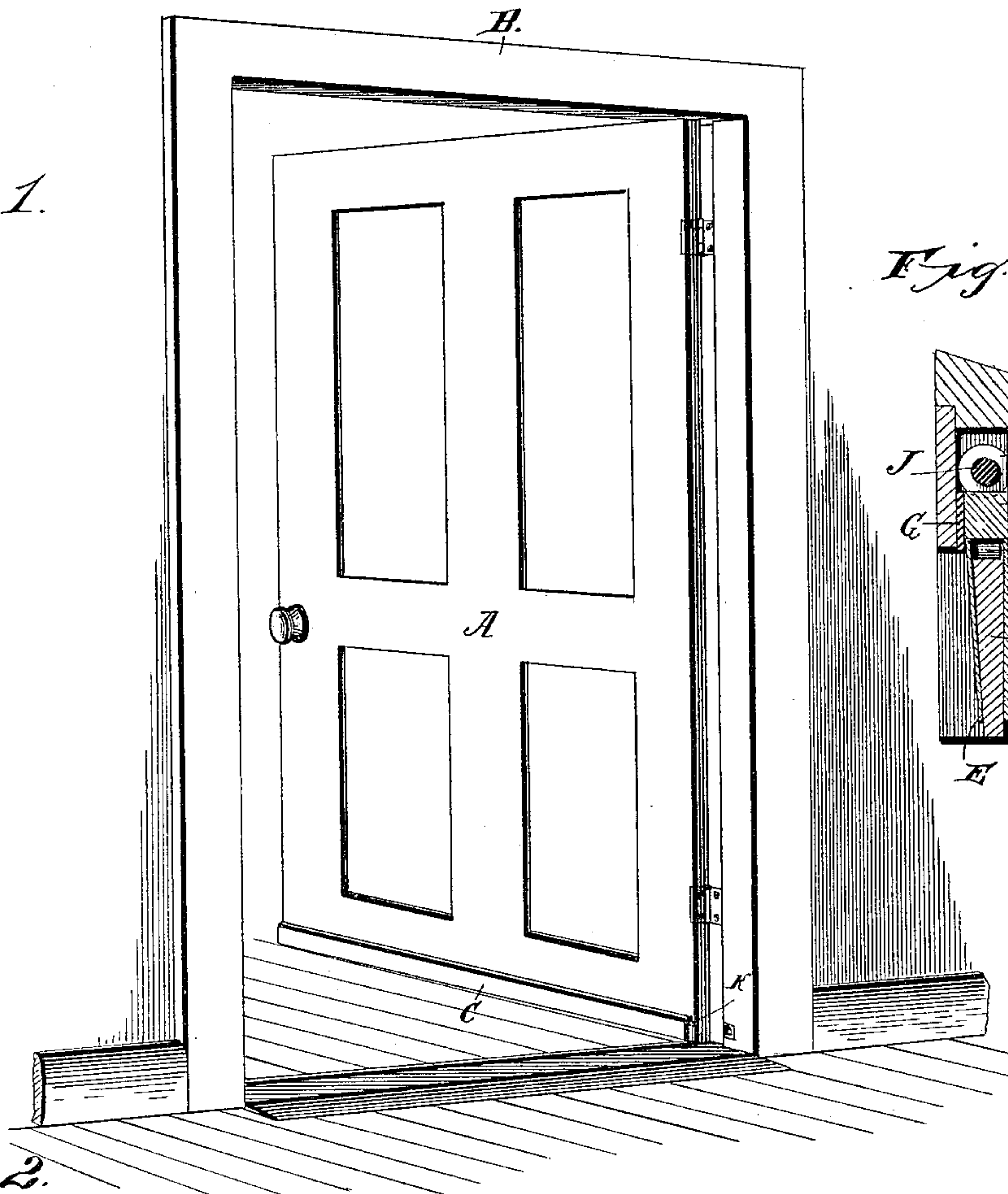
(No Model.)

E. STALKER.  
WEATHER STRIP.

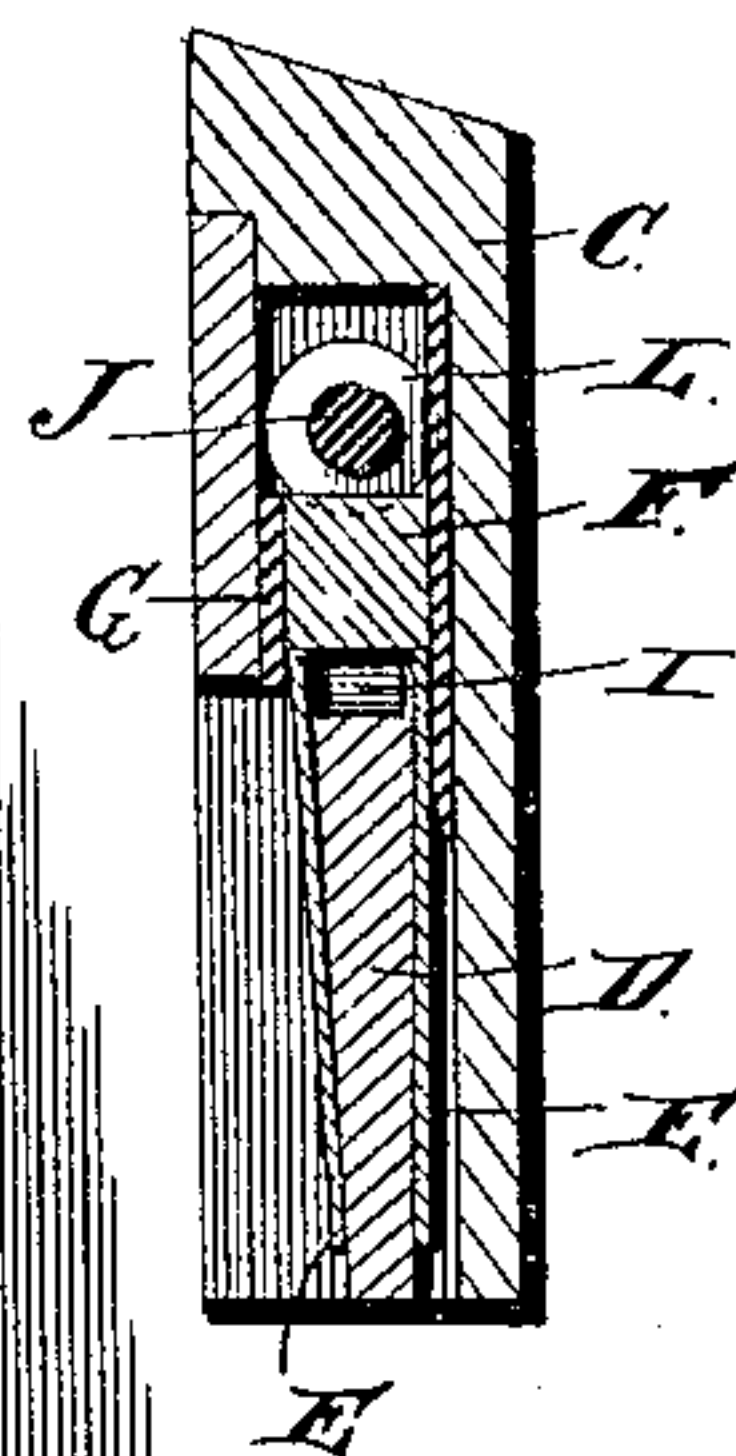
No. 389,418.

Patented Sept. 11, 1888.

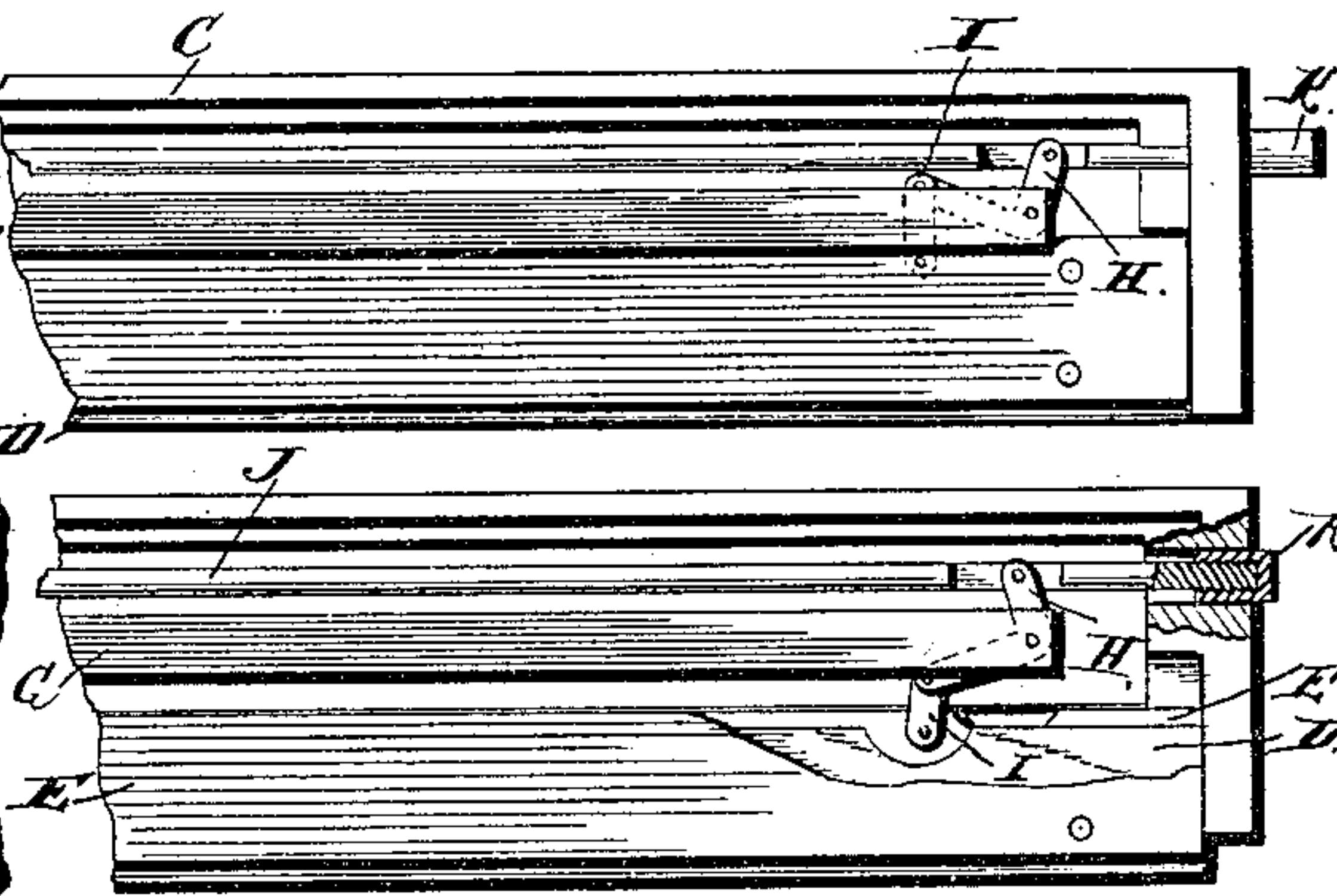
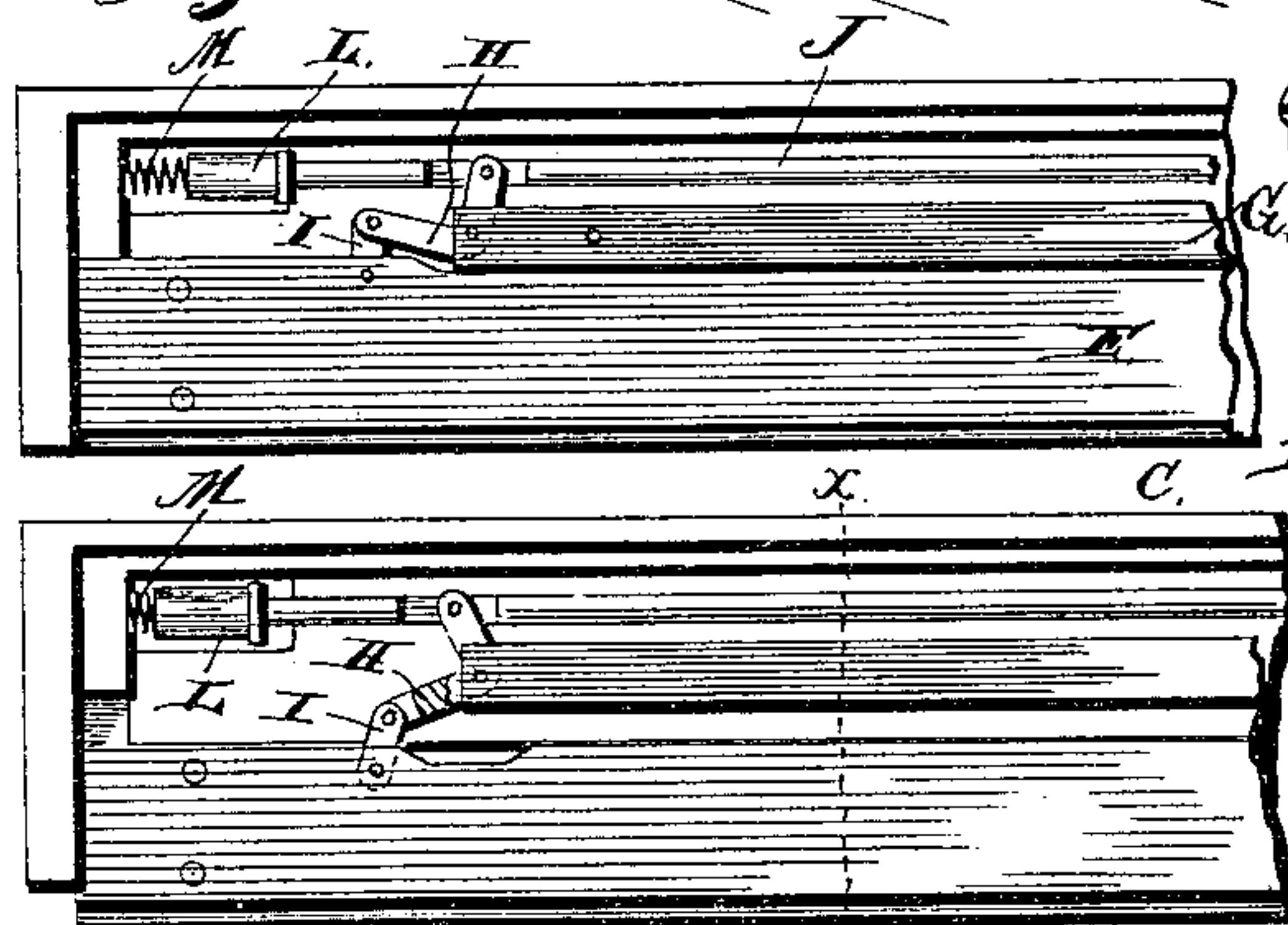
*Fig. 1.*



*Fig. 4.*



*Fig. 2.*



Witnesses

*Geo. F. Hooper,*  
*R. W. Bishop.*

*Fig. 3.*

Inventor

*Ezra Stalker.*

By *his* Attorneys

*C. H. Snowden*

# UNITED STATES PATENT OFFICE.

EZRA STALKER, OF WESTFIELD, INDIANA.

## WEATHER-STRIP.

SPECIFICATION forming part of Letters Patent No. 389,418, dated September 11, 1888.

Application filed May 22, 1888. Serial No. 274,727. (No model.)

*To all whom it may concern:*

Be it known that I, EZRA STALKER, a citizen of the United States, residing at Westfield, in the county of Hamilton and State of Indiana, have invented a new and useful Improvement in Weather-Strips, of which the following is a specification.

My invention relates to improvements in weather-strips; and it consists in certain novel features hereinafter described and claimed.

In the accompanying drawings, Figure 1 is a view of a partly-opened door provided with my improved weather-strip. Fig. 2 is a rear elevation of the weather-strip with the rear side of the casing removed, and Fig. 3 is a similar view showing the strip projected. Fig. 4 is a transverse section on the line *x x*, Fig. 3.

Referring to the drawings by letter, A designates a door hung in the frame B in the usual manner.

C designates a casing secured to the door near its lower edge, and within this casing the weather-strip proper, D, is mounted. The said strip is composed of rubber, felt, or other suitable material secured between two metallic plates, E.

Near the upper edge of the casing I provide a longitudinal rib or shoulder, F, upon which I secure a metallic plate, G, the edges of which project beyond the sides and ends of the rib. This plate G, however, may be dispensed with by forming projecting ledges on the sides and ends of the rib. Angle-levers H are pivoted at their angles beneath the projecting shoulders at the ends of the rib F, and have their horizontal arms connected to the upper edge of the weather-strip by means of the links I, as shown. The vertical arms of these angle-levers are pivoted to the plunger-rod J, arranged longitudinally in the upper part of the casing and projecting through the inner end of the same. This projecting end of the plunger is provided with an enlarged presser knob or head, K, which is adapted to contact with the door-jamb when the door is closed. The inner end of the plunger-rod is

provided with a sleeve, L, in which is arranged a coiled spring, M, having one end bearing against the end of the said sleeve and its other end bearing against the end of the casing.

From the foregoing description it will be seen that the plunger-rod is normally projected from the casing by the coiled spring, and the strip thus held up within the casing, as shown in Fig. 2, the upper edge of the strip engaging under the projecting shoulder on the under side of the longitudinal rib to prevent swinging of the strip. When the door is closed, the enlarged end or presser-knob of the plunger-rod is carried against the door-jamb and will be pressed inward, projecting the weather-strip, as shown in Fig. 3.

It will thus be seen that I have provided a very simple and efficient weather-strip, in which the parts are compactly arranged and are all inclosed and protected from injury.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

The combination of the casing, the longitudinal rib therein having projecting shoulders at its ends, the weather-strip arranged below said rib, the plunger-rod arranged above said rib, the bent levers pivoted at their angles under the shoulders at the ends of the rib and having their upper ends pivoted to the plunger-rod, the links connecting the lower ends of the said levers with the upper edge of the strip, the presser-knob on one end of the plunger-rod, the sleeve on the opposite end, and the spring arranged in said sleeve and bearing against the end of the same and the end of the casing, substantially as specified.

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

EZRA STALKER.

Witnesses:

G. N. HOLLIS,  
GEO. F. CONNER.