

(No Model.)

T. B. McCURDY.
WEATHER STRIP.

No. 282,208.

Patented July 31, 1883.

Fig. 1

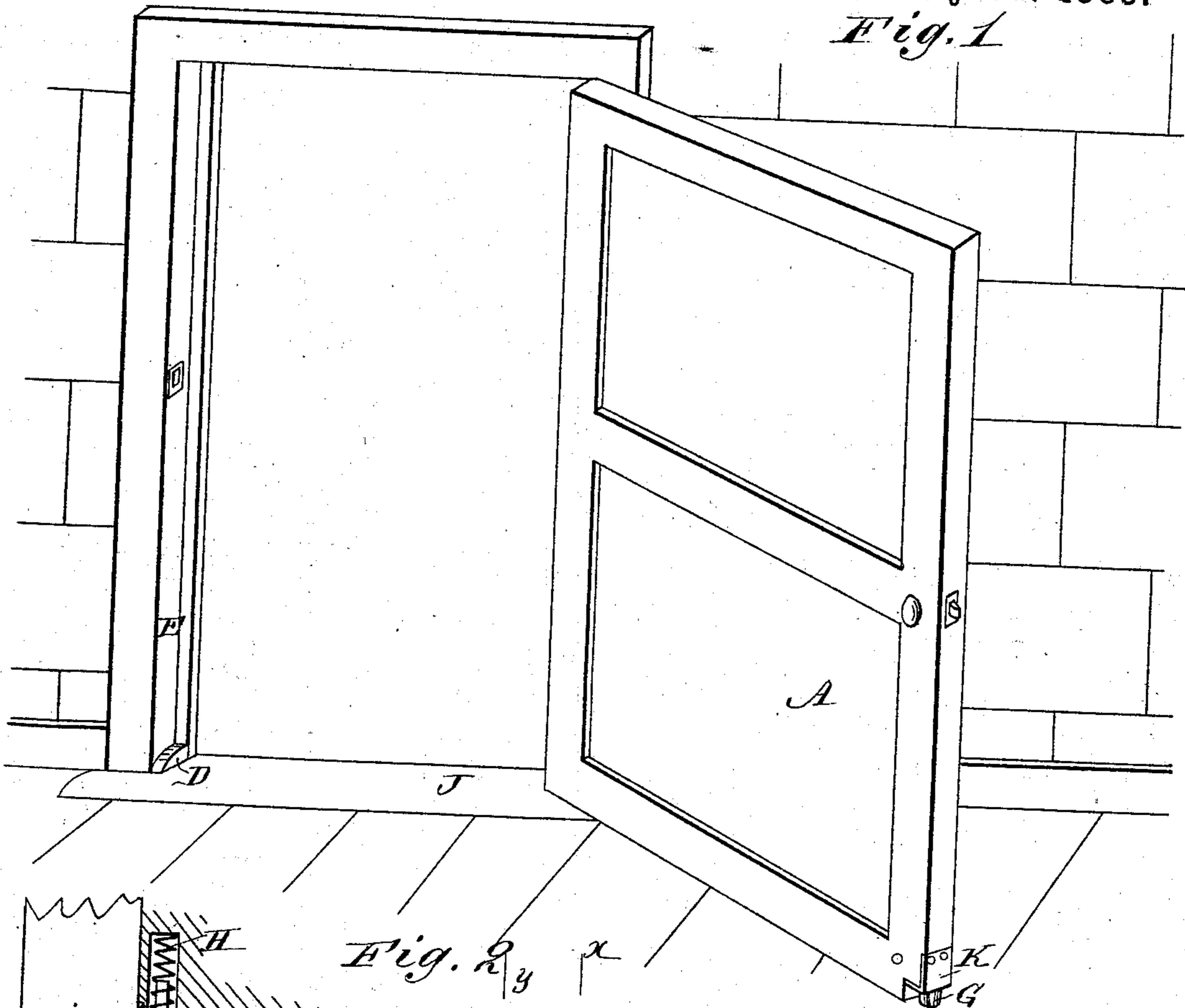


Fig. 2

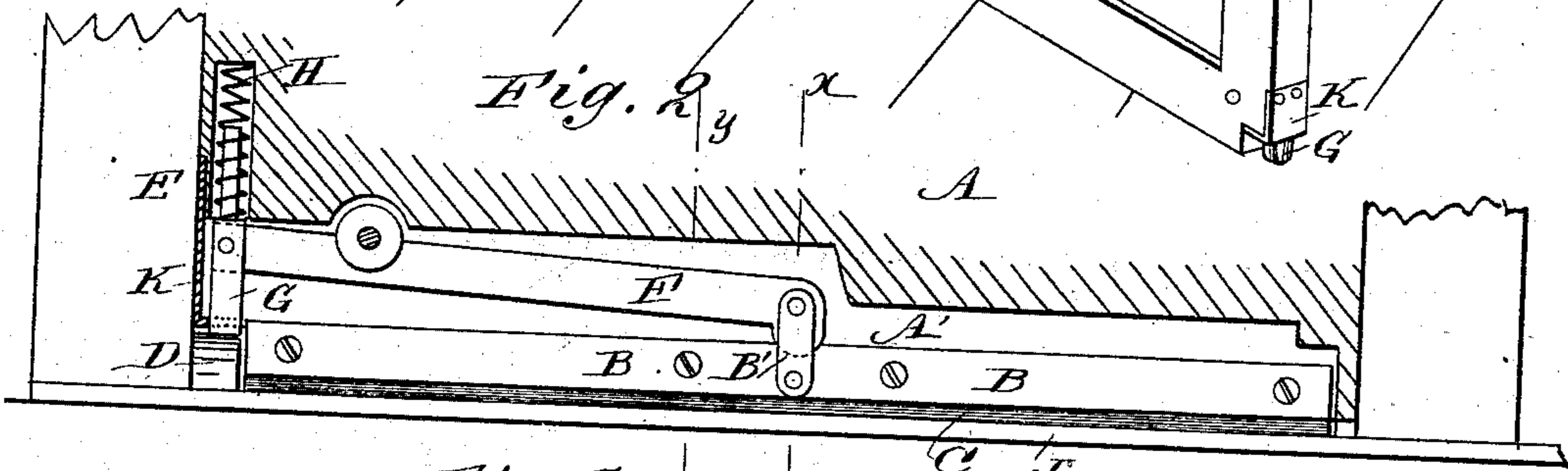


Fig. 3

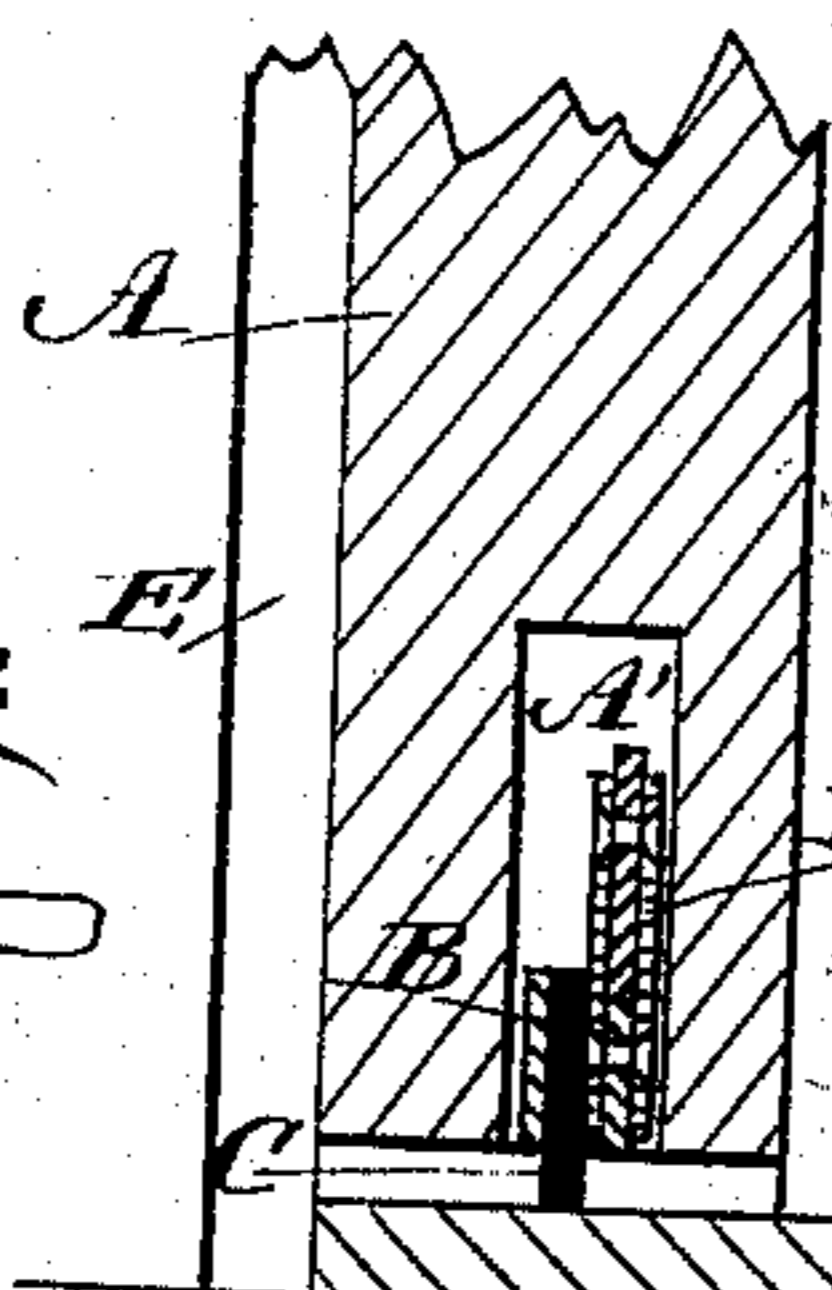
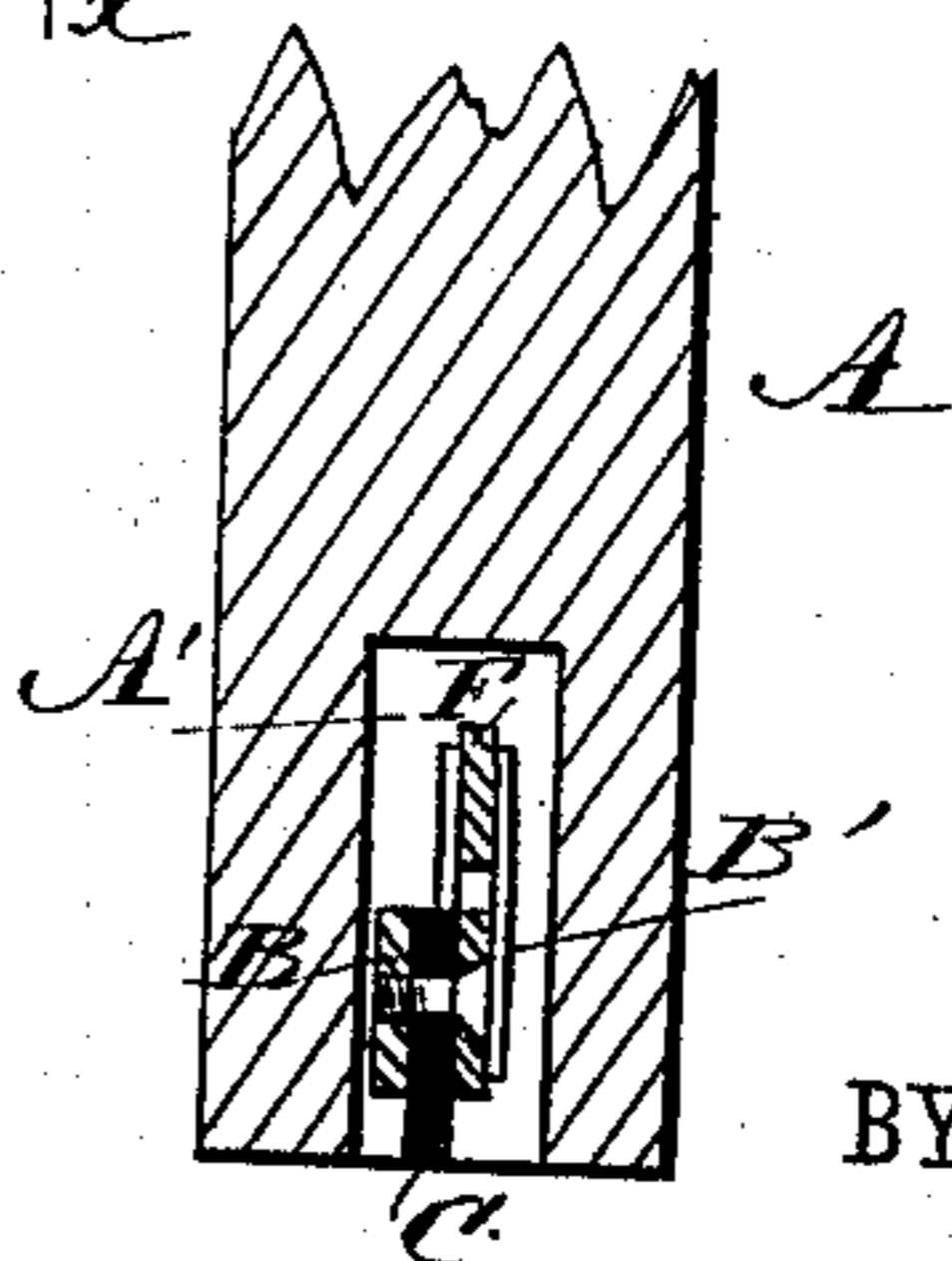


Fig. 4



WITNESSES:

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UNITED STATES PATENT OFFICE.

THOMAS B. McCURDY, OF LANCASTER, TEXAS.

WEATHER-STRIP.

SPECIFICATION forming part of Letters Patent No. 282,208, dated July 31, 1883.

Application filed May 21, 1883. (No model.)

To all whom it may concern:

Be it known that I, THOMAS B. McCURDY, of Lancaster, in the county of Dallas and State of Texas, have invented a new and Improved Weather-Strip, of which the following is a full, clear, and exact description.

The object of my invention is to provide a new and improved weather-strip, which is raised into a groove in the bottom of the door when the door is open, but is pressed down upon the sill when the door is closed.

The invention consists in the combination and arrangement of parts, substantially as hereinafter fully set forth and claimed.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view of a door provided with my improved weather-strip. Fig. 2 is a longitudinal sectional elevation of the bottom part of the door. Fig. 3 is a cross-sectional elevation of the same on the line *x x*, Fig. 2, showing the weather-strip lowered. Fig. 4 is a cross-sectional elevation of the same on the line *y y*, Fig. 2, showing the weather-strip raised.

The door A is provided in its bottom with a longitudinal groove, A', in which a rod, bar, or strip, B, is held vertically movable, to which rod, bar, or strip a strip, C, of rubber, leather, or analogous material, is attached. The lower swinging outer corner of the door is cut out to form a square recess, into which a wedge-shaped or rounded cam-block, D, secured to the bottom of the door-jamb E, can pass. At its middle the rod or strip B is pivoted by two links, B', to one end of a lever, F, pivoted in the top of the groove A', near the outer end of the same, the outer end of the lever F projecting into a recess or cavity formed at the swinging edge of the door above the recess in the corner.

To the outer end of the lever F a vertically-

moving cam-bolt, G, is pivoted, which is adapted to pass through an opening in the top of the square recess in the outer lower corner of the door. The upper part of the bolt G is surrounded by a spring, H, which presses it downward, and the lower end of the bolt G is beveled or rounded to adapt it to slide up the wedge-shaped block D, and to prevent it from binding on the same. An angular metal plate, K, is secured on the edge of the door and over the top of the notch or recess formed in the lower outer corner of the same. When the door is open, the spring H presses the bolt G downward, whereby the inner end of the lever F will be raised, and will raise the strips B C into the groove, so that they do not interfere with the swinging of the door. If the door is closed, the lower end of the bolt G strikes the wedge-block D and slides up the same, whereby the said bolt will be pressed upward, its spring H being compressed. If the bolt G is pressed upward, the outer end of the lever B will be raised and the inner end will be depressed, whereby the edge of the rubber strip C will be pressed on the sill J, and will prevent wind, rain, snow, &c., from passing under the bottom of the door. As soon as the door is opened the spring H presses the bolt G downward and raises the strip B C.

Having thus fully described my invention, I claim as new and desire to secure by Letters Patent—

The combination, with the door A, having a groove, A', in its bottom edge, and a notch or recess in the lower outer corner, of the strip B C, held in the groove A', the pivoted lever F, the bolt G, and the angle-plate K, substantially as herein shown and described, and for the purpose set forth.

THOMAS B. McCURDY.

Witnesses:

C. M. LYON,
E. G. STUART.