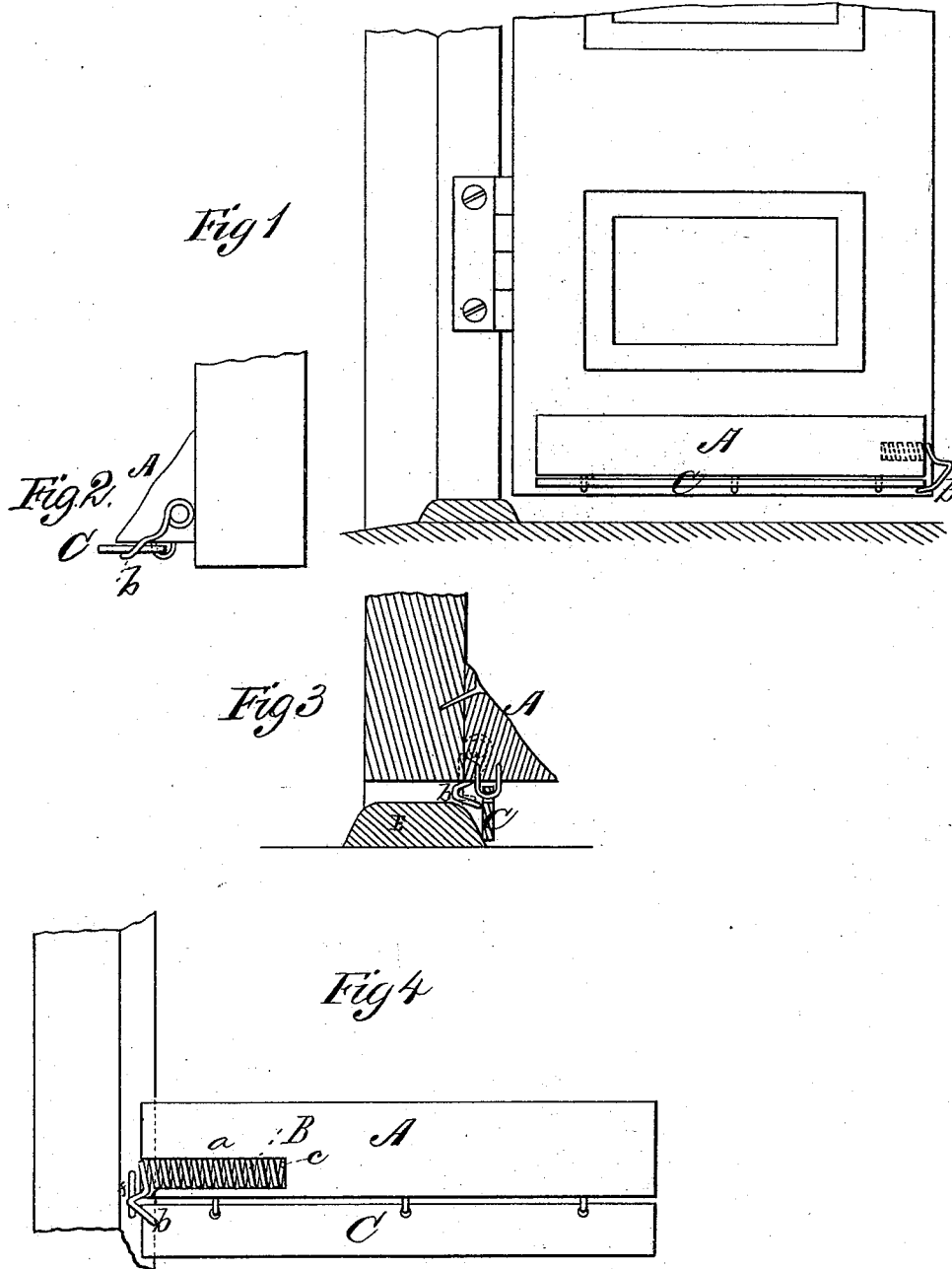


C. B. RAGER.  
WEATHER-STRIP.

No. 188,409.

Patented March 13, 1877.



WITNESSES  
*Villette Anderson.*  
*Francis Jollasi.*

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# UNITED STATES PATENT OFFICE.

CHRISTIAN B. RAGER, OF NORTH MANCHESTER, INDIANA.

## IMPROVEMENT IN WEATHER-STRIPS.

Specification forming part of Letters Patent No. **188,409**, dated March 13, 1877; application filed February 17, 1877.

*To all whom it may concern:*

Be it known that I, C. B. RAGER, of North Manchester, in the county of Wabash and State of Indiana, have invented a new and valuable Improvement in Weather-Strips; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a front view of this invention. Fig. 2 is a detail end view, showing the weather-strip or dust-guard in the raised position. Fig. 3 is a vertical section, showing the guard dropped, its supporting spring being pressed back by the jamb; and Fig. 4 is a detail front view, showing the guard dropped.

This invention has relation to improvements in weather-strips; and it consists in the construction and novel arrangement, in combination with a transverse strip of wood secured to the bottom of a door, of a second strip, preferably of metal, hinged thereto, and a coiled spring for operating the same, all as herein-after fully shown and described.

In the accompanying drawings, the letter A designates a transverse strip of wood, secured on the inner portion of the bottom of a door, one end of which, as shown at *a*, is recessed for the reception of a coiled or spiral spring, B, arranged parallel with the length of the strip. The outer end of this strip extends a short distance out beyond said strip, and is bent in the form of a finger, *b*, its free end being engaged under a metallic strip, C. The inner end *c* is secured in any suitable manner to the corresponding end of the recess. Strip C is hinged to the under side of the ordinary inclined wooden strip A, thus allowing strip C to have free vertical motion relative to the door.

When the door is open the finger *b* is engaged under metal strip C, and keeps it in close contact with the under side of wooden strip A, thus preventing it from dragging upon and defacing the floor or the carpet covering the same.

When the door is closed, the finger *b* will be forced against a metallic stop, *f*, secured to the lower end of the jamb of the door, and will be thrust back out of engagement with the metallic strip C, allowing it to swing downward and pass over the rounded upper surface of the door-sill E, against which it will rest, thus forming a complete seal against the drifting of water or snow into the house.

When the door is opened, the spring-finger *b* will resume its former position under the metallic strip.

Spring B, in this construction, serves the double purpose of holding the strip C up against the strip A out of the way, when the door is open, and when the door is closed, as a trigger for releasing the strip, and allowing it to gravitate against the sill E.

This spring, being recessed into strip A, will be concealed from view, and will in no manner injure the door or be liable to get out of order by exposure to the wet.

What I claim as new, and desire to secure by Letters Patent, is—

The spring recessed into the strip A, and having a projecting finger, *b*, in combination with the guard-strip, hinged to the strip A, and the stop *f*, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

CHRISTIAN B. RAGER.

Witnesses:

JAS. D. BELL,  
IRA SCHOOLEY.