

C. Hicks,
Weather Stript.
No. 108480. Patented Oct. 12. 1870.

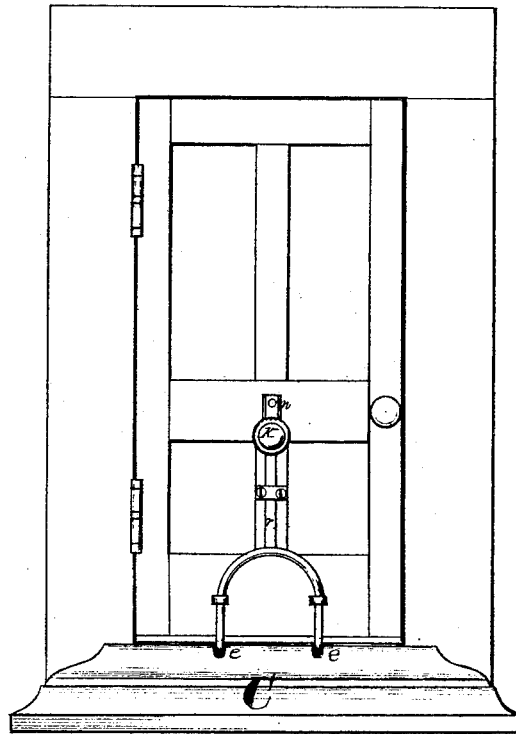


Fig. 1.

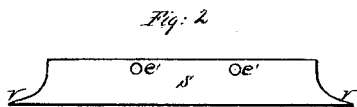


Fig. 2.

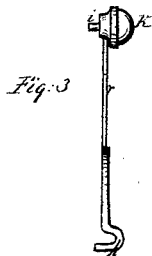


Fig. 3.

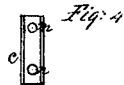


Fig. 4.

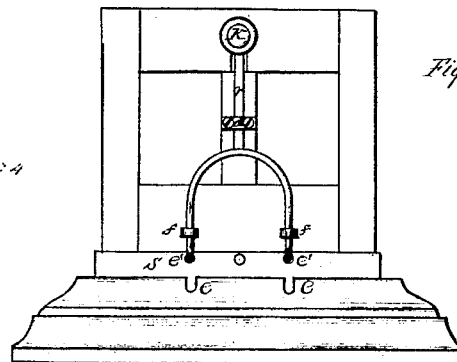


Fig. 5.

Witnesses
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COLEMAN HICKS, OF LANCASTER, KENTUCKY.

Letters Patent No. 108,480, dated October 18, 1870; antedated October 8, 1870.

IMPROVEMENT IN WEATHER-STRIPS.

The Schedule referred to in these Letters Patent and making part of the same.

I, COLEMAN HICKS, of Lancaster, in the county of Garrard, in the State of Kentucky, have invented certain Improvements in Weather-Strips for the Doors of Houses, of which the following is a specification.

My invention relates to the construction and operation of a simple bar, in such a manner that, from the inside of the door of a house, it may be easily raised from its resting-place within the carpet-strip, and, when so raised, it shall prevent the ingress into the house of rain, dust, wind, and snow, and at the same time perform the office of a safety-bar, to prevent the opening of the door in case the lock should be picked by burglars.

In the accompanying drawing—

Figure 1 represents a front view of a door from the interior of a room, with my improvement attached, the weather-strip being down.

Figure 2, a side view of the bar or weather-strip.

Figure 3, a side view of the rod, with its knob, hook, and catch, by which the weather-strip is raised and lowered.

Figure 4, a front view of the grooved bed-piece.

Figure 5, a like view of the lower part of a door with my improvement attached, the weather-strip being up.

In the use of my strip, the carpet-sill should be made in two parts. The outer part should extend inwardly, so as to be flush with the inner facings.

The inner part, C, should be in the form shown in fig. 1, hollow on the under side, and with an oblong recess, leaving room for the weather-strip S, fig. 2, to move up and down therein.

The weather-strip shown in fig. 2 should have the form and proportions in that figure shown, and should have the two flanges *r r*, which will prevent its being forced entirely out of its recess. It is simply a wide, thin bar, a little longer than the space between the two facings of the door-way. When it is up, so as to cover the space between the bottom of the door and the carpet-sill, of course neither rain, dust, nor snow can find ingress, and the door cannot be opened.

I have heretofore obtained Letters Patent for a weather-strip of similar form, and for the same uses, dated August 17, 1869, but that strip was operated by springs seated under it, and such springs were set free by a spring-catch; but the strip herein described is operated by entirely different devices, and for these novel devices I now desire to have Letters Patent.

The strip or bar S is lifted and pushed down by means of the branched rod *r*, which has hooks, *h h*, upon the lower ends of the branches, which are inserted in the holes *e e* in the bar S.

The upper end of the rod *r* is provided with a knob or handle, K, by which it is operated, and a catch-pin, *i*.

This rod *r* should be made of steel or other suitable metal, so that, when bent out of a right line, in use it will spring to its original form when the force bending it has been withdrawn. It should be confined to its position by the pieces *d* and *f f*, which may be fastened to the door by screw-bolts, or otherwise.

For the use of the catch-pin *i*, a grooved bed-piece of metal or other hard substance should be let into the door, and fastened there, and should have two holes, *m* and *n*, in it, for the catch-pin to enter, as shown in the drawing, so that, when the catch-pin is in the lower hole, *n*, the weather-strip will be down in its recess, and cannot be raised until the catch is drawn out by the knob K; and when it shall be so drawn out, the catch may be forced up the groove in the bed-piece *c*, raising with it the strip S, until the catch reaches and enters the hole *m*, when the strip will be fast up above the carpet-sill.

The operation is so simple that a child may perform it.

First, by the knob K, spring the rod *r*, and pull the catch-pin *i* out of either of the two holes in which it may be seated at the time, and push it upward or downward in the groove until it reaches and enters the hole.

The inner piece of the carpet-sill is provided with recesses, *e e*, in its upper edge, so that, when the strip is down in its proper recess, the door may be opened and shut, and the hooks *h h* will pass in and out of the hole *e e* without difficulty, and scarcely touching.

This device for operating the weather-strip will occupy but little space, and will be an ornament to the door, rather than otherwise; and it can be operated with nearly the same facility as the ordinary latch of a door.

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

The spring rod *r*, with its catch-pin, *i*, pieces *d* and *f f*, knob K, and hooks *h h*, in combination with the bed-piece *c*, weather-strip S, and section C of the carpet-sill, all constructed, arranged, and operated substantially as and for the purpose described.

COLEMAN HICKS.

Witnesses:

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