

W. H. Burghardt,

Weather Strijk.

No. 105420;

Patented July 19, 1870.

Fig. 1.

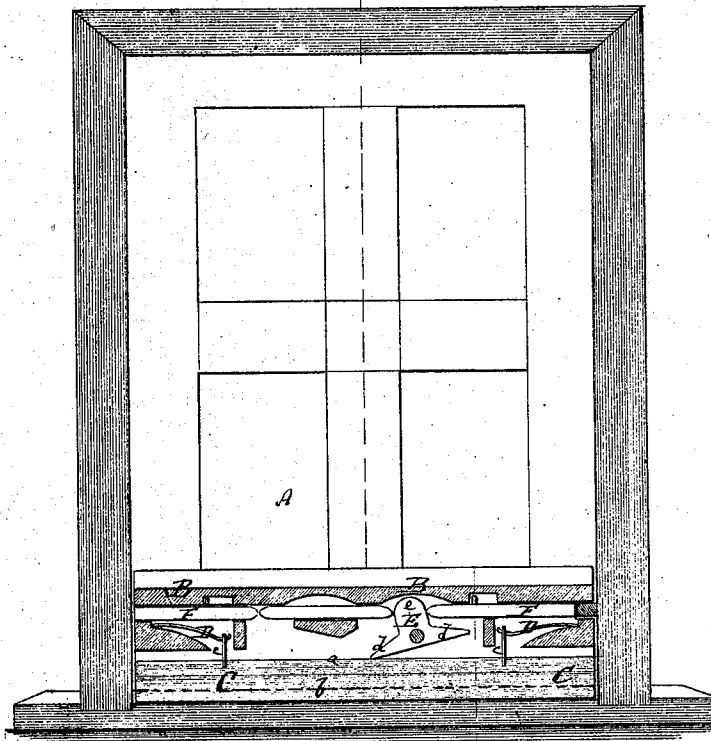


Fig. 2.

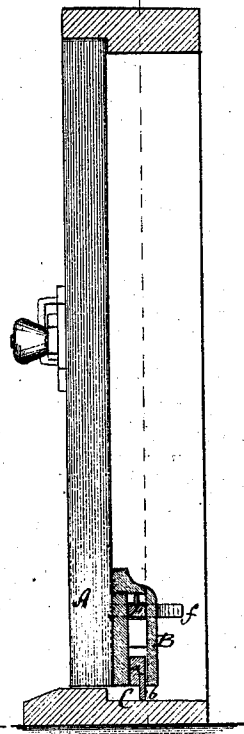
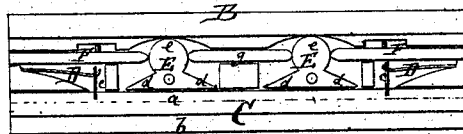


Fig. 3.



Witnesses:

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WILLIAM HENRY BURGHARDT, OF CURTISVILLE, MASSACHUSETTS.

Letters Patent No. 105,420, dated July 19, 1870.

IMPROVEMENT IN WEATHER-STRIPS.

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

To all whom it may concern:

Be it known that I, WILLIAM HENRY BURGHARDT, of Curtisville, in the county of Berkshire and State of Massachusetts, have invented a new and improved Weather-Strip; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification—

Figure 1 represents a vertical longitudinal section of my improved weather-strip, showing it applied to a door.

Figure 2 is a vertical transverse section of the same.

Figure 3 is a face view of a modification of the same. Similar letters of reference indicate corresponding parts.

This invention relates to a new manner of securing weather-strips to doors with an object of making them automatically adjustable, so that they will only be projected from their sockets when the doors are closed, and drawn in when the same are opened.

The main object of the invention is to so construct such adjustable weather-strips that the same can be operated from either end, and consequently applied to doors that open in either direction.

The invention consists in combining, with a weather-strip which is suspended from springs, a T-shaped lever, pivoted to the door, and a sliding lever, which, when pushed against the upward projecting arm of said lever, will cause it to swing and force the weather-strip downward.

The slide may be applied to the lever from either side with equal effect.

A, in the drawing, represents a door, to which, in a case, B, my improved apparatus is secured.

The weather-strip C consists of a wooden or metal bar, *a*, with a rubber strip, *b*, attached to the lower part of the same. It is fitted into the case B in such manner that it can readily work up and down in the same, and is, by means of straps *c c*, suspended from springs D, that are secured in the case.

The springs draw the strip *c* up, so that it will not project from the edge of the door.

E is a T-shaped, *i. e.*, three-armed lever, pivoted within the case B in such manner that its horizontal arms *d d* will be flush with the upper edge of the weather-strip when the arm is drawn up, as in fig. 3.

F is a horizontal sliding rod or bar inserted into the case at one end. When it is pushed against the vertical arm *e* of the lever T from either side it will cause said lever to swing and thereby push, with the downwardly carried arm *d*, the strip C down.

The slide F is operated by a wedge or knob, *f*, secured to the door-case.

When the door is closed the slide is pushed in by the wedge to protect the weather-strip.

The T-shaped lever E permits the application of the slide to either side, and a case, B, ready made and provided with all the aforesaid appliances can therefore be secured to either side of a door, and to doors swinging in different directions.

If desired, two or more such levers, E, may be secured into one case, B, as in fig. 3, with a rod, *g*, between them to communicate the motion from one to another.

Having thus described my invention,

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

1. Bar *a* and rubber strip *b*, combined with case B, straps *c c*, springs D D, lever E, *d d e*, slide strips F, and wedge *f*, all relatively constructed and arranged as and for the purpose described.

2. The three-armed lever E, *d d e*, rods F, and wedge *f*, all relatively constructed and arranged as and for the purpose described.

The above specification of my invention signed by me this 9th day of February, 1870.

WILLIAM HENRY BURGHARDT.

Witnesses:

GEO. W. MABEE,
ALEX. F. ROBERTS.