

D. H. Horner

Weather Strip.

N^o 95,902.

Patented Oct. 19, 1869.

Fig. 1.

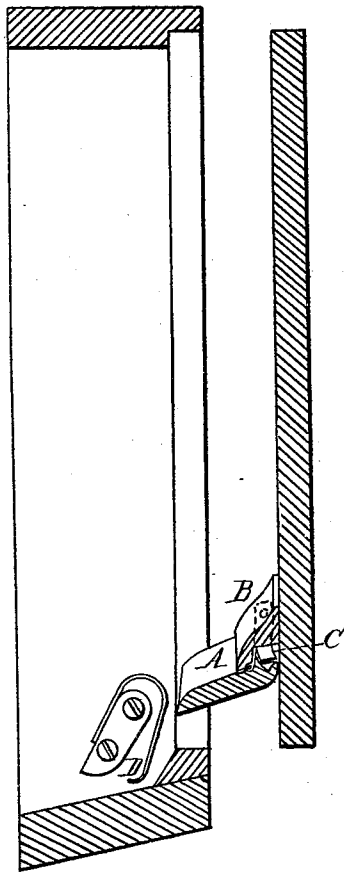
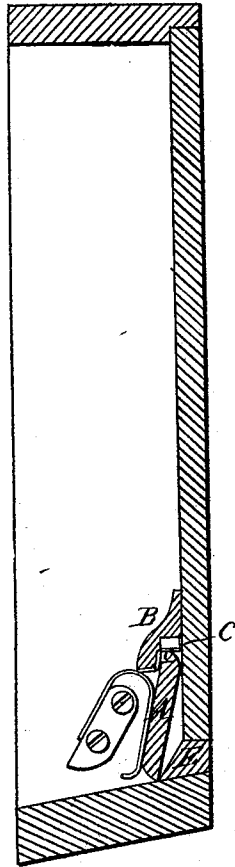


Fig. 2.



Witnesses.

Jas. L. Brooks
Paul H. Blockley

Inventor.

D. H. Horner
Witness

United States Patent Office.

DAVID H. HORNER, OF BATTLE GROUND, INDIANA.

Letters Patent No. 95,902, dated October 19, 1869.

IMPROVED WEATHER-STRIP.

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, DAVID H. HORNER, of Battle Ground, in the county of Tippecanoe, and State of Indiana, 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.

This invention relates to improvements in weather-strips for doors, windows, &c.; and has for its object to provide a more reliable and durable arrangement of self-acting weather-strips than any now in use.

The invention consists in the combination and arrangement of parts as hereinafter described.

Figure 1 represents a sectional elevation of a door-frame and door provided with my improved device, the door being partly opened, and

Figure 2 represents a section of the same when the door is closed.

Similar letters of reference indicate corresponding parts.

A represents a strip, hinged to an under-cut bracket, B, secured to the door, so that the edge of the strip above the hinges projects into the under-cut space of the bracket when the strip is pressed down.

This projecting part is grooved above the hinges, as shown at *a*, to prevent the passage of the water by beating in by the wind.

C represents a spring, arranged in this space, to bear upon the said projecting edge, to throw the strip up.

When the said strip is thrown up, it strikes the lower edge of the bracket so as not to rise too far.

D represents a spring, secured to the door-frame in the proper position to bear against the strip A, when the door is closed, to throw it down against the door-sill E.

I am aware that hinged strips have been heretofore arranged to be thrown down by blocks projecting from the window-frame, but these are objectionable, as they strike hard against the strips, and soon wear so as not to close them down tightly, whereas the springs have a compensating quality calculated to close the strips down tight, no matter whether they wear or not, and they do not wear the strips, nor make a noise in striking them when the door is closed.

Having thus described my invention,

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

The combination, with a door and door-frame, of the under-cut bracket B, strip A, springs C and D, when all constructed and arranged as specified.

DAVID H. HORNER.

Witnesses:

T. HEAD,
E. R. WHITE.