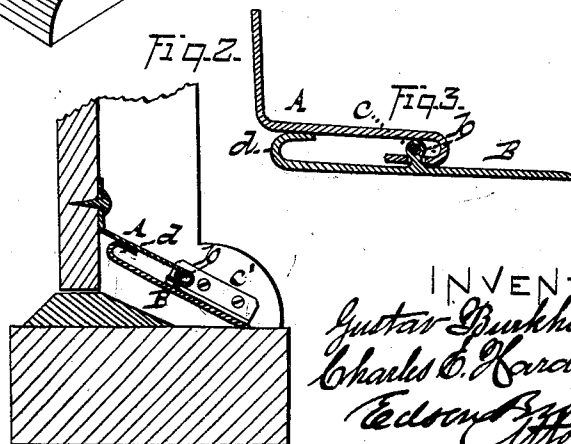
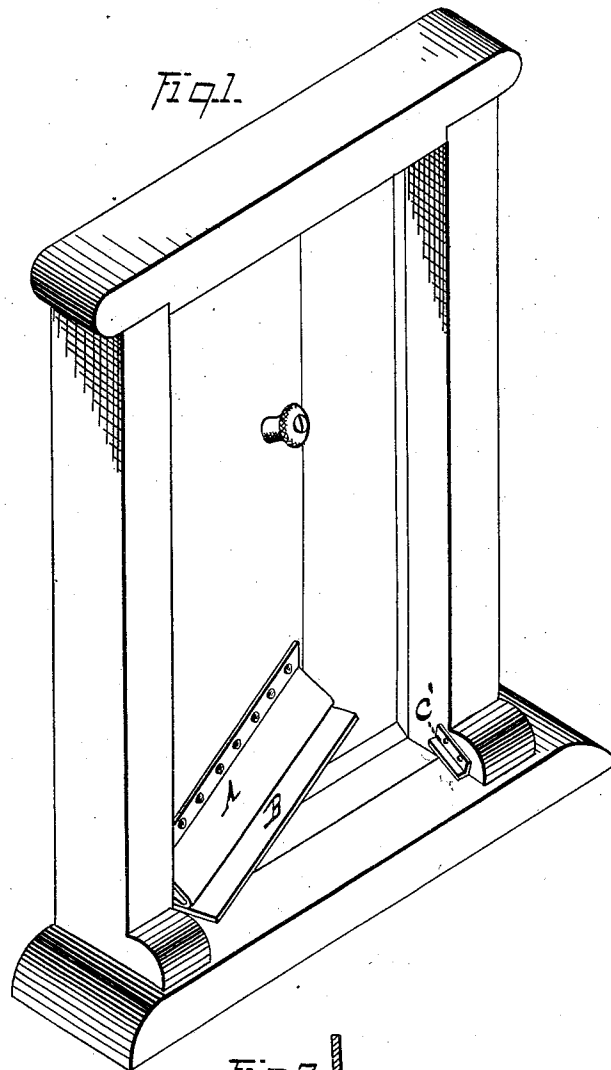


G. BURKHARDT & C. E. HARDEN.

Weather-Strip.

No. 162,621.

Patented April 27, 1875.



WITNESSES:

Jas. C. Hutchinson.
J. W. Minter.

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UNITED STATES PATENT OFFICE.

GUSTAV BURKHARDT AND CHARLES E. HARDEN, OF HOMER, ILLINOIS.

IMPROVEMENT IN WEATHER-STRIPS.

Specification forming part of Letters Patent No. **162,621**, dated April 27, 1875; application filed March 9, 1875.

To all whom it may concern:

Be it known that we, GUSTAV BURKHARDT and CHARLES E. HARDEN, of Homer, in the county of Champaign and State of Illinois, have invented certain new and useful Improvements in Weather-Strips; and we do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawing, and to the letters of reference marked thereon, which form a part of this specification, in which—

Figure 1 is a perspective view of our weather-strip in position upon a door, showing its position when the door is open. Fig. 2 is a sectional view of the same, showing its position when the door is closed. Fig. 3 is a like view of our weather-strip.

Corresponding parts in the several figures are denoted by like letters of reference.

This invention relates to a certain improvement in weather-strips; and it consists of a plate so constructed and hung to an inclined one attached to the door as that when it is freed from the plate or projection on the door-frame which holds it down against the door-sill when the door is closed it will of itself return to its original or horizontal position as the door swings on its hinges, substantially as hereinafter more fully set forth.

In the annexed drawing, A refers to an inclined plate, fastened to the door, with its lower or isolated end curved downwardly, and extending inwardly a short distance to receive eyes *b b*, formed on or otherwise attached to

the plate B, a pin or pins, *c c*, passing through said eyes, by which the said plate is hung in place. The inner or rear end of the plate B is curved upwardly, as shown at *d*, which serves to weight said end and return it to its original or a horizontal position when freed from the projection or inclined plate *c'* attached to the door-frame, as the door is opened or swings on its hinges, to cause it to clear the door-sill. This construction also prevents any water, &c., that may beat in under and between the inclined plate A and plate B from contact with or getting in under the bottom of the door.

This device being of such construction, as already described, as to return of itself to its original or a horizontal position, the use of springs for that purpose is avoided, lessening its expense, and rendering it simpler in construction and less liable to get out of order.

Having thus described our invention, what we claim, and desire to secure by Letters Patent, is—

1. In a weather-strip, the plate B, hung to the inclined plate A, fastened to the door, and having the upwardly-curved portion *d*, substantially as and for the purpose set forth.

2. The plate B *d*, in combination with the inclined plate A and inclined projection *c*, substantially as and for the purpose set forth.

In testimony that we claim the foregoing as our own we affix our signatures in presence of two witnesses.

GUSTAV BURKHARDT.
CHAS. E. HARDEN.

Witnesses:

CEPHAS SCOTT,
SAMUEL W. THOMPSON.