

R. P. BALDWIN,
Weather-Strip.

No. 211,315.

Patented Jan. 14, 1879.

Fig. 1.

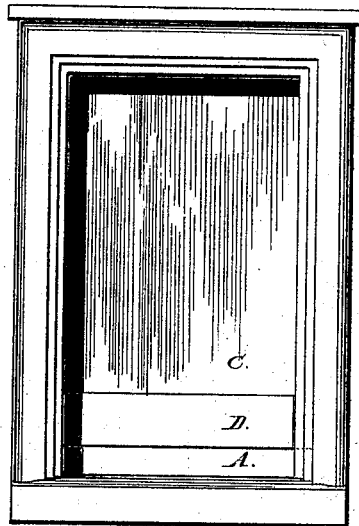


Fig. 2.

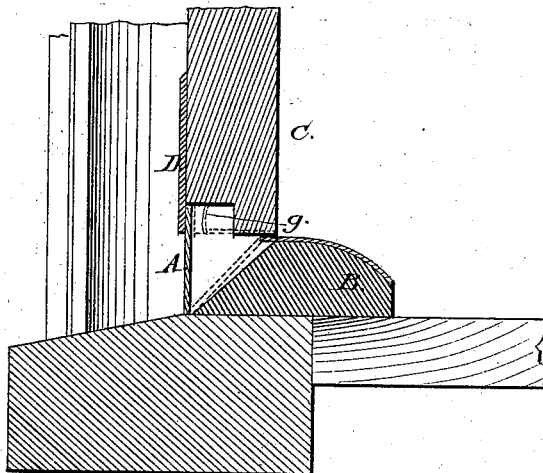
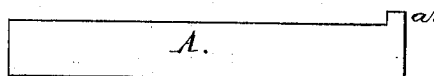


Fig. 3.



Witnesses:
J. M. Kait
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UNITED STATES PATENT OFFICE.

RUSSEL P. BALDWIN, OF SHENANDOAH, IOWA.

IMPROVEMENT IN WEATHER-STRIPS.

Specification forming part of Letters Patent No. **211,315**, dated January 14, 1879; application filed November 6, 1878.

To all whom it may concern:

Be it known that I, RUSSEL P. BALDWIN, of Shenandoah, in the county of Page and State of Iowa, have invented certain new and useful Improvements in Weather-Strips; 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 which it appertains to make and use the same, reference being had to the accompanying drawings and to letters of reference marked thereon, which form a part of this specification.

My invention is an improvement in weather-strips, by which rain and wind are prevented from driving in under outside doors of dwellings, &c.

My invention consists of a weather-strip composed of a plate provided with a lug or projection arranged to swing into a vertical position upon its lower edge, and a second plate fixed to the bottom of a door, said plates forming automatically a vertical joint by closing the door against the said first plate or its projection.

In my drawings, Figure 1 is a front elevation of the door and jamb as seen from the outside. Fig. 2 is a vertical section. Fig. 3 is a detail showing the form of the movable plate.

Similar reference-letters indicate like parts in all of the figures.

Referring to drawings, A is a metal plate provided with a lug, *a*, which rests on the sill of the door between the beveled edge of the carpet-strip B and the rabbet-bearings of the door-frame, and when the door is open lies snugly against said beveled surface, with its lug *a* extending above the horizontal surface of the carpet-sill.

The carpet-sill B is of the usual form, of wood, clad with metal, and provided with a slot on the open side next to the jamb to receive the lug *a* of the plate A.

C is the door, having its bottom rail provided with a metal plate, D, which is securely fastened thereto. This plate does not extend the entire width of the door, but is shortened at the open side to clear the lug *a*.

The lower corner of the door is notched and plated at *g* to receive and form a bearing for

the lug *a* to bear and slide against when the door is being closed.

The under or bottom edge of the door is cut away to form, together with the plate D, a U-shaped groove, to receive the plate A when the door is closed.

My device is simple, and can be applied to any doorway, not even requiring the skill of a mechanic to adjust and put it in position.

It is operated as follows: The door being open, the strip or plate A rests against the carpet-sill B, with its upper edge flush with the horizontal surface of said carpet-sill, and the projecting lug resting in the notch provided for it. As the door is closed, the slot-bearing *g*, coming in contact with the lug *a*, forces plate A upward and outward, it entering the while the U-shaped recess or groove in the bottom of the door, until said plate A rests snugly against the plate D, which happens simultaneously with the closing of the door against its rabbet-bearings. A close joint is thus formed between door-sill and plates A and D.

I am aware of the patent to Corbit, No. 95,773, in which is a plate permanently pivoted in the doorway, said plate being thrown into place against a curved plate attached to the door by the movement of the said door as it comes against a curved arm attached to said pivoted plate, and to such I make no claim.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The weather-strip described, composed of plate A, provided with lug or projection *a*, and arranged to swing into a vertical position upon its lower edge, and plate D, fixed to the door, said plates forming, automatically, a vertical joint by closing the door against the plate A or its projection, substantially as and for the purpose set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

RUSSEL P. BALDWIN.

Witnesses:

C. T. COX,
L. FISHER.