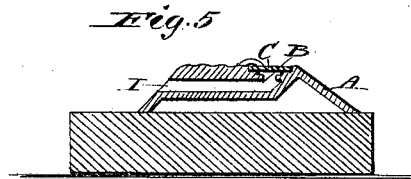
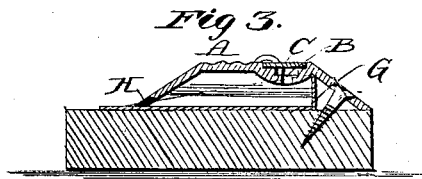
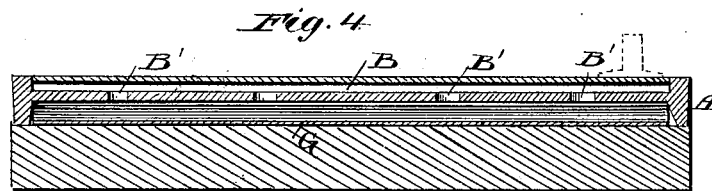
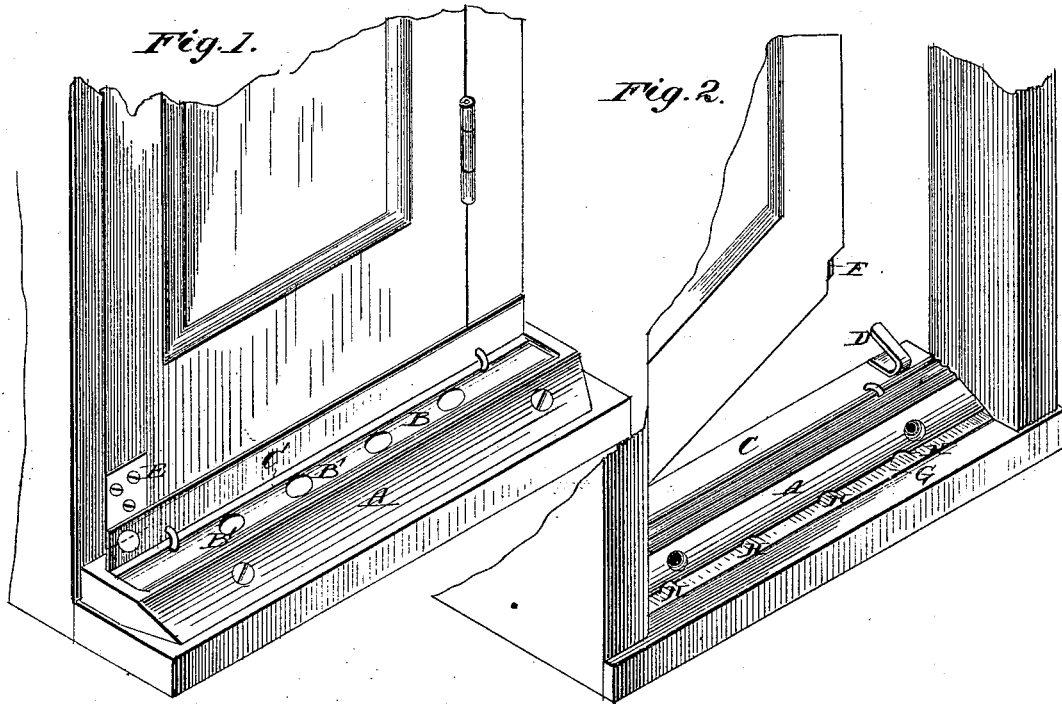


G. B. NORTON.
Weather-Strip for Door-Sills.

No. 207,366.

Patented Aug. 27, 1878.



Witnesses:
Ed. G. Ditrich
Jno. P. Brooks.

Inventor
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Attorneys.

UNITED STATES PATENT OFFICE.

GEORGE B. NORTON, OF EFFINGHAM, ILLINOIS.

IMPROVEMENT IN WEATHER-STRIPS FOR DOOR-SILLS.

Specification forming part of Letters Patent No. **207,366**, dated August 27, 1878; application filed July 24, 1878.

To all whom it may concern:

Be it known that I, GEORGE B. NORTON, of Effingham, in the county of Effingham and State of Illinois, have invented certain new and useful Improvements in a Weather-Strip for Doors; 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, which form a part of this specification.

Figure 1 is a view, in perspective, from the inside, showing the door closed. Fig. 2 is a view, in perspective, from the outside, showing the door open. Fig. 3 is a vertical cross-sectional view of the combined door-sill and weather-strip. Fig. 4 is a vertical longitudinal sectional view, showing the outlets from the trough in the door-sill upon the inside of the room. Fig. 5 is a vertical cross-sectional view of a modification of the invention, showing one of the outlet-pipes leading from the trough to the outside of the door-sill.

This invention relates to door-sills and weather-strips combined; and consists in the improvements in the construction of the same hereinafter fully described, and particularly pointed out in the claim.

In the accompanying drawings similar letters of reference indicate like parts in the invention.

The door-sill consists of a metal casting, A, secured upon the wooden sill of the door-frame, and provided with a trough, B, having water-outlets B' in its bottom and a lid or cover, C, hinged to the trough B, and provided with a curved upwardly-projecting arm, D, at one end, against which a plate, E, on the inside of the door, at its lower corner, strikes when the door is being closed, and carries the lid C up against the inside of the door, the arm D occupying a recess, F, in the lower corner of the door when it is closed. The lid C, while the

door is closed, acts as a weather-strip, to prevent the wind and water from blowing under the door and into the room. A zinc pan, G, is placed beneath the door-sill A, to receive the water that may be blown against the lid C, while it forms the weather-strip, which will conduct it into the trough B, from which it will pass to the pan through the outlets B'. Openings or outlets H are made in the outer edge of the door-sill A to let the water out of the pan G upon the outside of the house.

A modification of the means for discharging the water from the trough B is shown in Fig. 5; and it consists of three or more pipes, I, leading from the trough B to the outside of the door-sill A.

When the door is opened the plate E strikes the lid C and carries it back to form the cover for the trough B, thereby excluding dirt, &c., from the trough and forming an even surface for the top of the door-sill A.

It will be seen, therefore, that the weather-strip is upon the inside of the door, is fastened and forms part of the door-sill itself, and that it forms an effectual bar to the entry of water into the room beneath the door.

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

The combined door-sill and weather-strip consisting of the metal casting A H, provided with the trough B, having outlets B', in combination with the pan G and the lid C, provided with the curved arm D, constructed to be operated by opening and closing the door, substantially as set forth.

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

GEORGE B. NORTON.

Witnesses:

CHARLES A. NORTON,
JAMES PLUNKETT.