

E. L. VALENTINE.
WATER FENDERS FOR DOORS.

No. 180,967.

Patented Aug. 8, 1876.

Fig: 1.

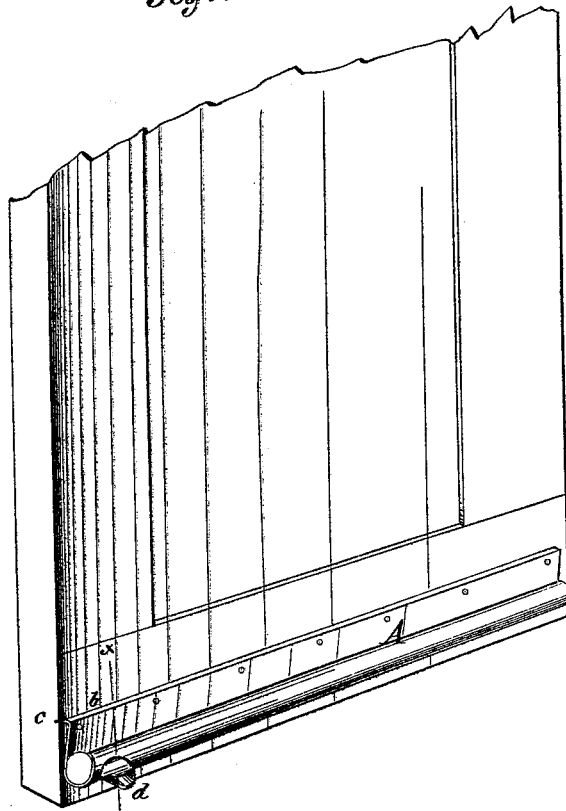
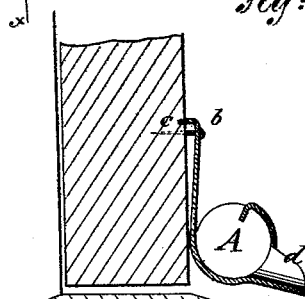


Fig: 2.



WITNESSES:

Chas. N. ...
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BY

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ATTORNEYS.

UNITED STATES PATENT OFFICE.

ELLIOT L. VALENTINE, OF OAKALLA, ILLINOIS.

IMPROVEMENT IN WATER-FENDERS FOR DOORS.

Specification forming part of Letters Patent No. **180,967**, dated August 8, 1876; application filed June 12, 1876.

To all whom it may concern:

Be it known that I, ELLIOT L. VALENTINE, of Oakalla, Iroquois county, Illinois, have invented a new and Improved Water-Fender, of which the following is a specification:

Figure 1 is a perspective view, and Fig. 2 a section on line *x x*, Fig. 1.

Similar letters of reference indicate corresponding parts.

My invention consists of a water-conduit, made from sheet metal or other suitable material, to be attached to doors, windows, and other similar places to catch the water that drifts against them, and conduct it outside the sill. The greater portion of the water that finds its way under doors first drifts against the door, and then runs down to the lower edge and runs over the sill, or is forced in by the wind.

My invention is designed to obviate this difficulty by collecting the water which runs down the door, and conducting it over the sill.

A is a trough, which may be of any desired form, having its ends capped or stopped, and the back or part which attaches to the door

higher than the front or outside. Its edge through its entire length is turned back at a right angle, as shown at *b* in the drawing. The door is grooved or creased at C to receive the edge *b*. A lip, *d*, is cut from the material which forms the front of the trough, and turned out to form a spout. The end carrying the spout is put on the hinge side of the door, and is placed a little lower than the other end.

The device is fastened to the door with nails, screws, or in any other convenient manner.

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

A weather-strip consisting of the trough A, having capped ends, lip *d*, the back higher than the front, and the edge turned at *b*, as shown and described, for the purpose specified.

ELLIOT L. VALENTINE.

Witnesses:

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