

A. Kirkpatrick,

Threshold.

No. 1901.

Patented Dec. 14. 1840.

Fig. 1.

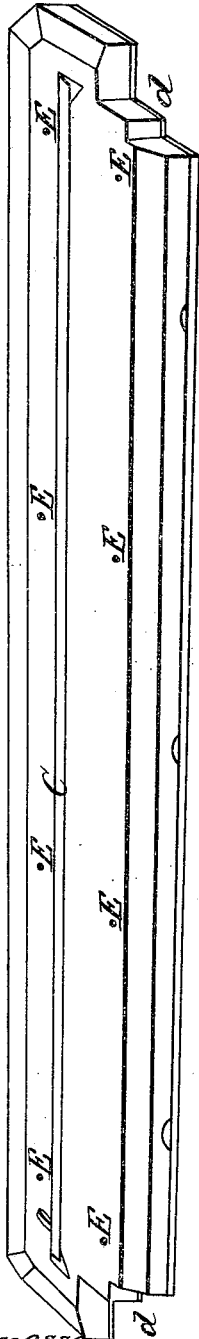


Fig. 2.



Fig. 3.

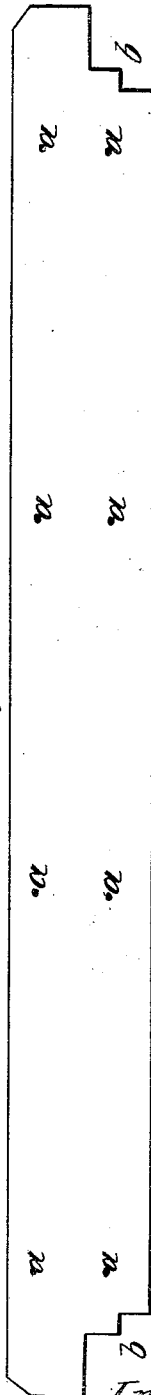
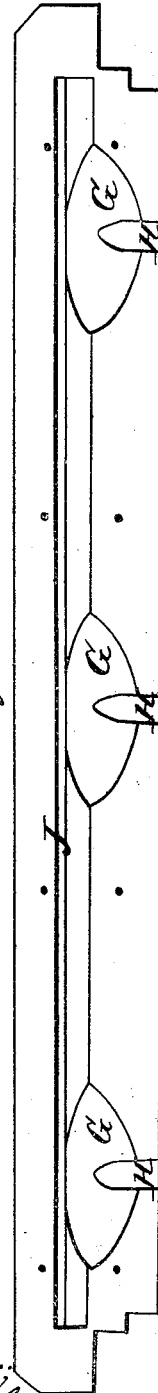


Fig. 4.



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UNITED STATES PATENT OFFICE.

ALEXANDER KIRKPATRICK, OF NEWARK, NEW JERSEY.

MODE OF PREVENTING WATER FROM BEATING UNDER THE DOORS OF HOUSES.

Specification of Letters Patent No. 1,901, dated December 14, 1840; Antedated November 20, 1840.

To all whom it may concern:

Be it known that I, ALEXANDER KIRKPATRICK, of Newark, in the county of Essex and State of New Jersey, have invented a new and improved mode of constructing the door-saddle or carpet-strip in order to prevent the water which may be driven in under the doors of dwelling-houses and other buildings by violent gusts of wind during rain storms from flooding the floors; and I do hereby declare that the following is a full and exact description.

The nature of my invention consists in providing the joint between the door sill and the floor with a plate of thin metal as shown in the annexed drawing, Figure 3, letter *a*, *a*, *a*, *a*, *a*, *a*, the nail or screw holes; *b*, *b*, the notches at the ends to fit to the door cheeks or casing. I make this plate four inches wide for a door three feet wide and as long as the door is wide and in the same relative proportion for doors of greater or less width. I make this plate of sheet zinc but I do not confine myself to the use of any material in particular to make this plate of. Next I provide a saddle of the length and width of the plate as shown in Fig. 3 and about one inch thick, the upper surface of which is shown in Fig. 1; *c*, the groove or slot made through the saddle nearly the whole length of it and from one fourth to one half of an inch in width. *d*, *d*, the notches to fit the door casing. *E*, *E*, *E*, *E*, *E*, *E*, *E*, screw or bolt holes.

The upper surface of the saddle immediately under and within the door when the saddle is placed on the plate, Fig. 3, I make level and the slot or groove lies about one

inch within the door when the door is shut and that portion of the saddle which lies in front of the door I incline outward and downward with an inclination of one inch to three. I next provide a fillet or tongue which I fit into the groove of saddle to prevent dust and dirt from entering it, which tongue is shown in Fig. 2. *F* is a small hole to insert a hook or other instrument to lift it with on the approach of rain. The under side of saddle is shown in Fig. 4 and is provided with basins or reservoirs as seen at *G*, *G*, *G*, which receive the water from the groove *I* as it falls down and shelters it from the influence of the wind and it passes off through small apertures at *H*, *H*, *H*, in the front of door sill.

I prefer to make the saddle of metal or wood though stone may answer in some cases. I do not confine myself to any material to make the door saddle of.

What I claim as my invention and desire to secure by Letters Patent, is—

The constructing of a saddle for door sills with a groove, basins and apertures as above specified combined with the sill and door of dwelling houses or other buildings either with or without the tongue or with or without the plate between the saddle and the sill whether the same be effected exactly in the way herein described or in any other operating upon the same principles and producing similar results.

ALEXANDER KIRKPATRICK.

Witnesses:

E. D. PAYNE,
ENOS. WOODRUFF.