

J. Johnston,

Weather-Strip.

No. 88640.

Patented Apr. 6. 1869.

Fig. 1 Fig. 2.

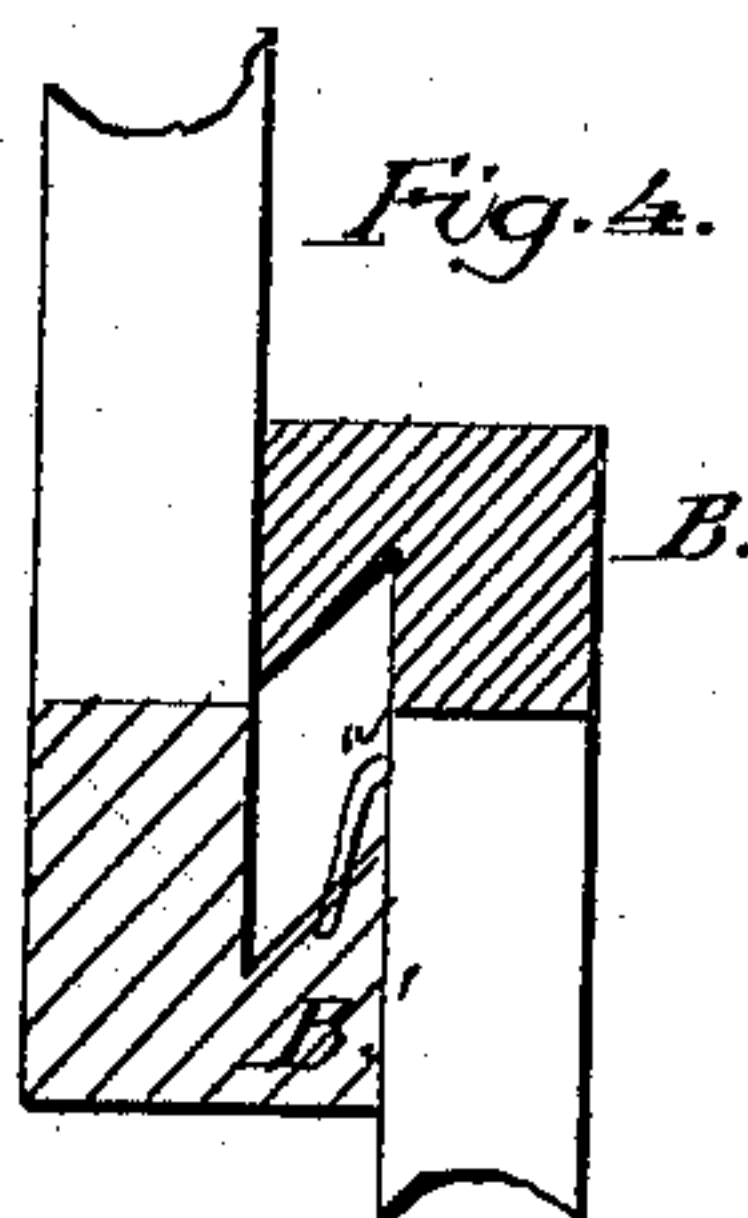
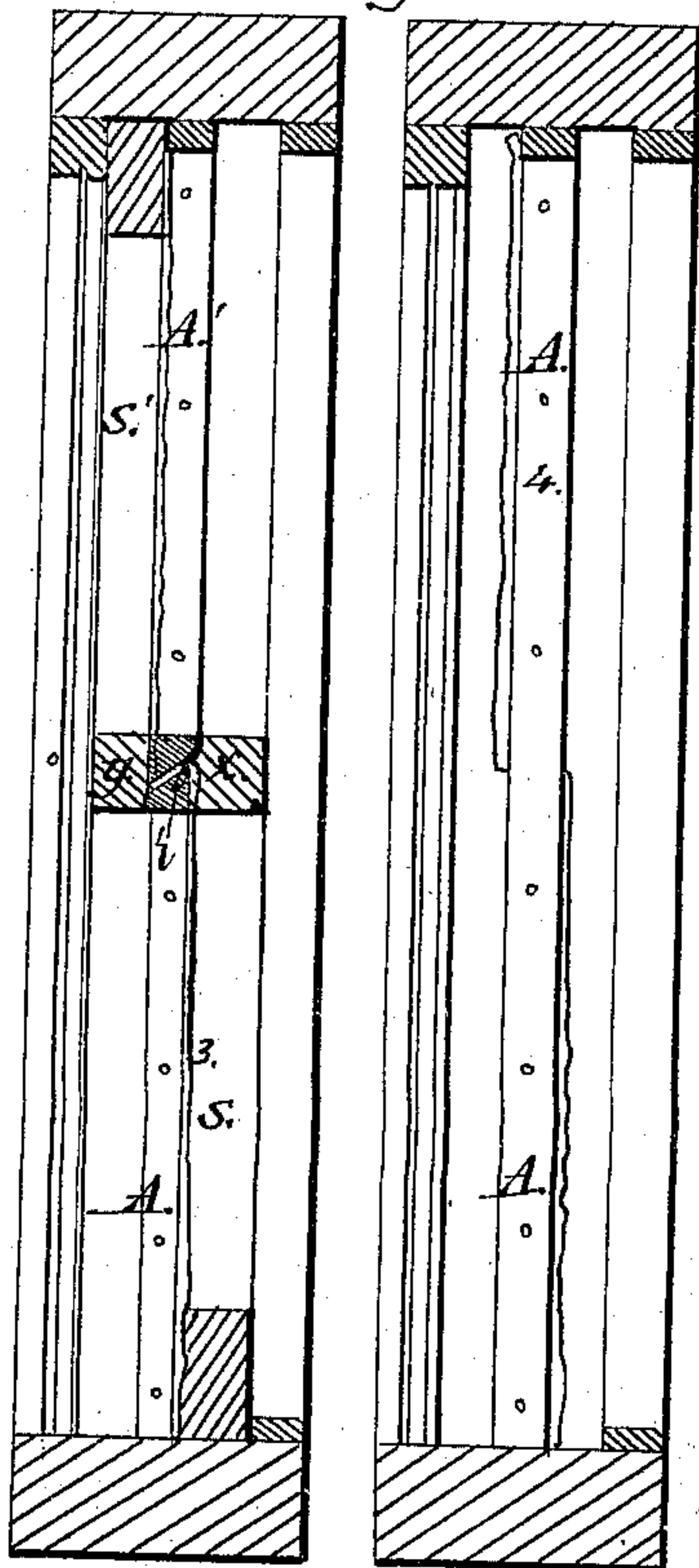
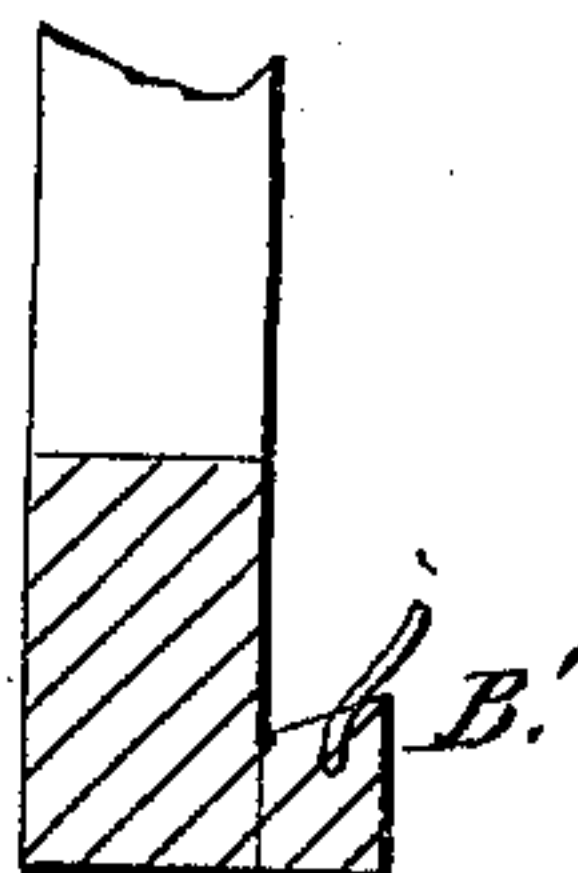


Fig. 3.



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per
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JOSEPH JOHNSTON, OF CHICAGO, ILLINOIS.

Letters Patent No. 88,640, dated April 6, 1869.

IMPROVED WEATHER-STRIP FOR WINDOWS.

The Schedule referred to in these Letters Patent and making part of the same

To all whom it may concern :

Be it known that I, JOSEPH JOHNSTON, (subject of Queen Victoria,) resident of Chicago, in the county of Cook, and State of Illinois, have invented a new and improved Mode of Constructing Windows, Window-Sashes, and Window-Frames; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to letters of reference marked thereon, making a part of this specification.

The nature of my invention consists in a peculiar arrangement of India rubber, or gutta-percha, into, on, or to the parting-stop between the sashes of windows, and in constructing the lower part of the upper sash with a projecting lip, with rubber inserted therein; and forming the upper part of the lower sash with a correspondingly-grooved lip, all combined and arranged in such a manner that the dust, damp, and cold are prevented from forcing their way through the crevices between the sashes and the frame.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

I construct my window-sashes, window-frames, and windows in the manner usually employed by carpenters and builders, except that into the parting-stop between the sashes, I cut a groove, sufficiently deep to let in a narrow strip of India rubber, or gutta-percha, so that the same can be securely fastened, and will keep its place between the sashes and the frame. I also affix to the upper and lower sash, at their line of junction, instead of the bevelled lip now used, an

improved lip, fully set forth and described in Figures I, III, and IV, hereto annexed, and made a part hereof. Into this lip, on one of the sashes, I insert India rubber, or gutta-percha, as in the parting-stop. A lip, with a corresponding lip reversed on the sill, may be added, thus furnishing a complete weather-stop around the window.

Figure II shows section of upper and lower sash of a window, with parting-stop of frame in position.

S shows section of lower sash, with lip B in position.

S' shows section of upper sash, with lip B' in position.

The red line 1-2 shows line of insertion of India rubber, or gutta-percha in lip.

X shows back of lip.

Y shows the reverse side of the lip, or its junction with the sash.

A A' shows the parting-stop in position.

3-4, red line, shows line of insertion of India rubber, gutta-percha, &c., in said parting-stop.

Fig. I shows side view of upper and lower sash, with lip on each in position, and Figs. III and IV exhibit the angular lip of each sash.

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

The combination of the parting-stop A A' and lip B B', in the manner and form substantially as herein described.

JOSEPH JOHNSTON.

Witnesses :

JAMES MUIR,

RICHARD C. BINGLEY.