(No Model.)

B. F. CAHILL.

ADJUSTABLE JAMB.

No. 381,329. Patented Apr. 17, 1888.

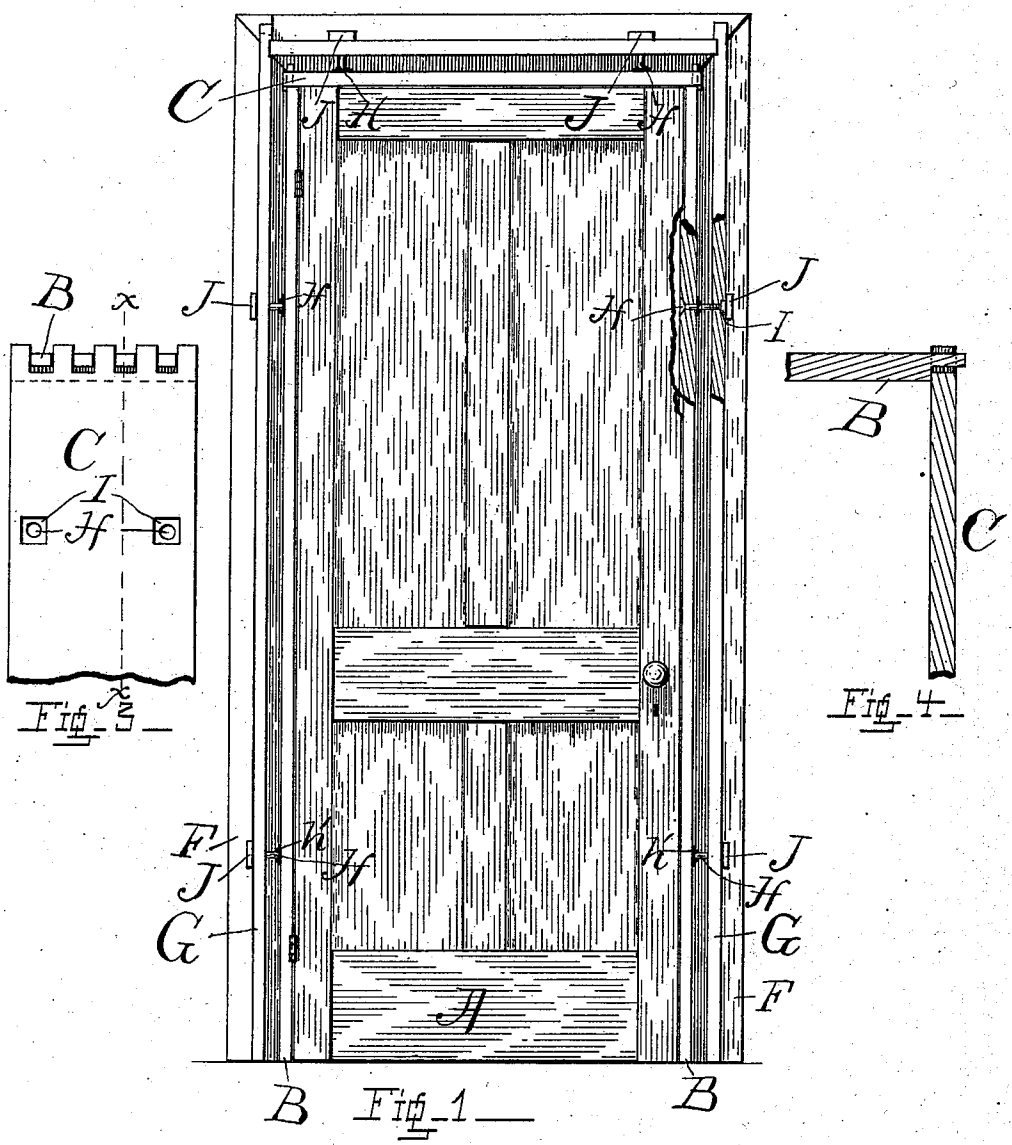

Fig. 3.

Fig. 4.

Fig. 1.

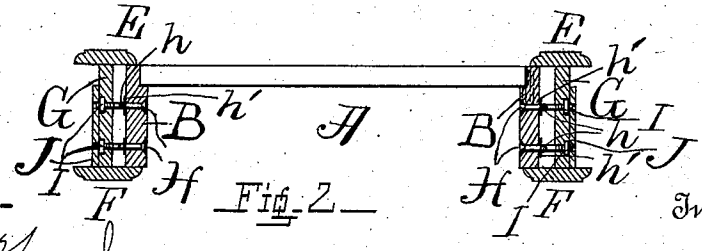

Fig. 2.

Witnesses-

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By his Attorney

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UNITED STATES PATENT OFFICE.

BENJAMIN F. CAHILL, OF ATLANTA, GEORGIA.

ADJUSTABLE JAMB.

SPECIFICATION forming part of Letters Patent No. 381,329, dated April 17, 1888.

Application filed December 1, 1887. Serial No. 256,718. (No model.)

To all whom it may concern:

Be it known that I, BENJAMIN F. CAHILL, a citizen of the United States, residing at Atlanta, in the county of Fulton and State of Georgia, have invented a new and useful Adjustable Jamb; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as 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 or figures of reference marked thereon, which form a part of this specification.

This invention relates to the jambs of doors and windows, the object being to provide means whereby they may be adjusted to regulate the size of the opening, the details of which will be hereinafter fully set forth, and the parts thought to be new pointed out in the claim.

It is a well-known fact that sash and doors, especially doors, when put up of unseasoned material or in damp weather, will shrink and leave too great an opening between them and their jambs, and when put up of very dry material will swell by the absorption of moisture to such a degree as to prevent their closing readily.

This invention is equally applicable to windows and to doors, in both of which cases it is applied in substantially the same way. I will therefore describe it as being applied to a door, in which it is shown in the accompanying drawings, of which drawings—

Figure 1 is a side view of a door and a casing, except the face-casing on one side, a portion of the casing being in section for the purpose of showing the means of adjusting the jambs. Fig. 2 is a horizontal section of the casing through a set of the adjusting-screws. Fig. 3 is a top view of one end of the top jamb and the top end of the side jamb. Fig. 4 is a section on the line *x x* in Fig. 3, further showing the tongued top and side jambs.

In the figures, like reference-marks indicating corresponding parts in the several views, A is the door, B the side jambs, and C the top bar.

In Fig. 2 the face-casings are marked E and F, those marked E not being shown in Fig. 1.

The frame G, composed of several parts corresponding to the several parts of the jamb, is rigidly fastened to the wall and to the face-casings, and is located so as to permit a sufficient adjustment of the jambs by the screws H. The screws H pass through the jambs, and have on the back side of said jambs a pin, *h*, and a washer, *h'*; or they may, instead of the said pin and washer, be provided with a collar of any desirable kind. The nuts I are inserted in the frame, as shown, and are held in place by the strip J, which strip may be of wood or metal and be fastened to the frame. The pieces I should have holes through them to correspond with the holes through the jamb and frame for the screws to pass into or through. The side and top jambs are adjustably joined by interlocking tongues, as shown. The tongues on the side jambs, B, are partially cut away on the side toward the door, as shown in Fig. 4, to allow the top bar, C, to entirely cover the opening and keep a close joint on the inside of the jambs, it never being necessary to adjust the top bar, C, except for that purpose. The change in the dimensions of a door is generally in its width. The side jambs may therefore be adjusted to accommodate the changing width of the door to the extent of the offset on the tongues of the jamb B without opening the joints between the jambs B and top bar, C. This adjustment is effected by turning in or out the screws H, the jambs being not otherwise held in position.

It is immaterial to the operation of this invention whether the frame G is made with and a part of the door-casing or the studding of the building. It is also immaterial whether the nuts I are inserted or the screws H screwed into holes in the pieces G; but I prefer the construction shown.

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

In a door-casing, the adjustable jambs B, adjusted by means of the screws H engaging with a stationary-held nut in the stationary part of the siding, said screw being prevented from moving longitudinally by its head and the collar *h* and pin *h'*, in combination with the top bar, C, said jambs B and top bar, C, connecting by interlocking tongues, as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

BENJAMIN F. CAHILL.

Witnesses:

A. P. WOOD,

N. CANNON.