

G. HUFFMAN.

STORM AND SCREEN DOOR.

No. 249,050.

Patented Nov. 1, 1881

Fig. 1.

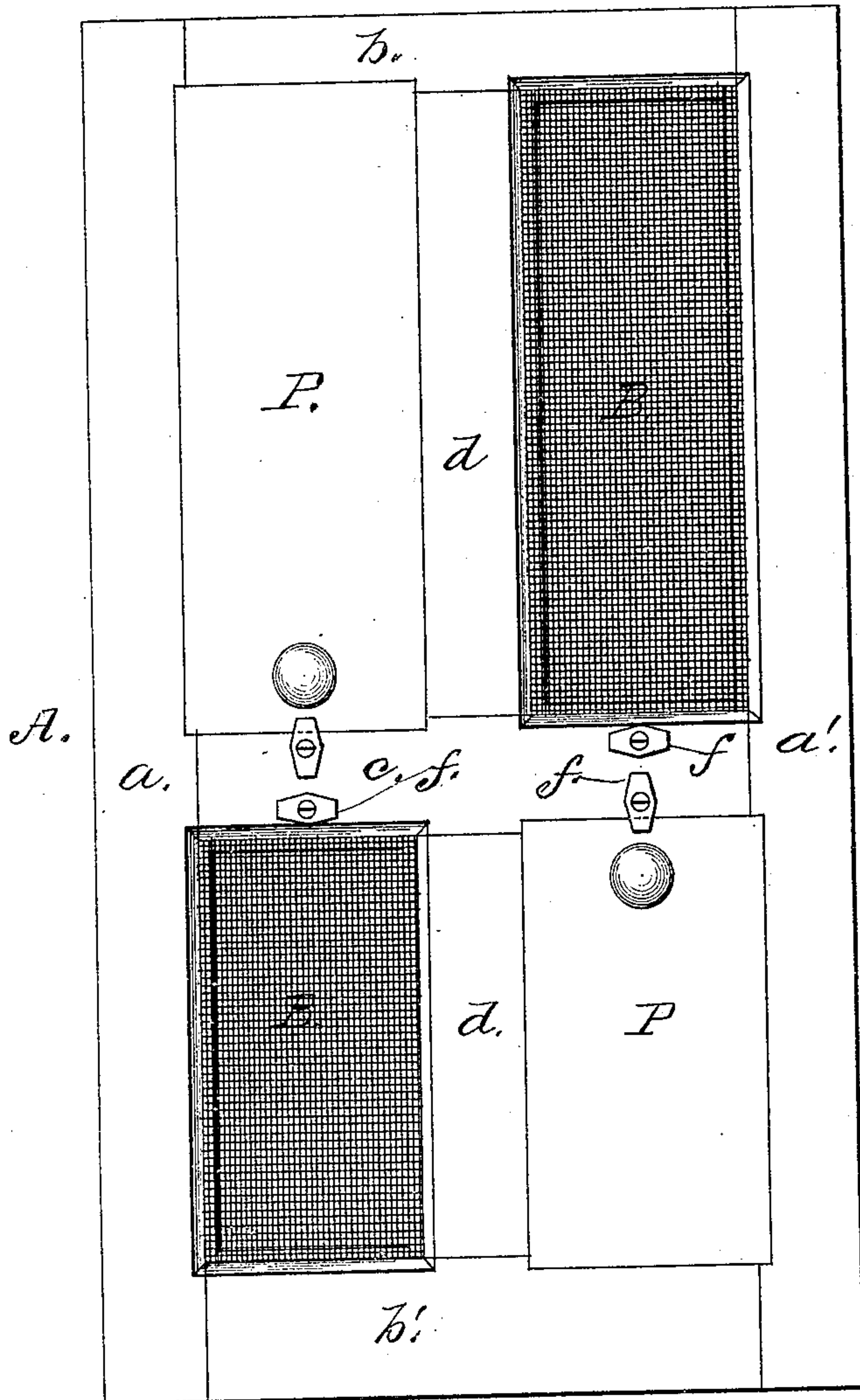


Fig. 2.

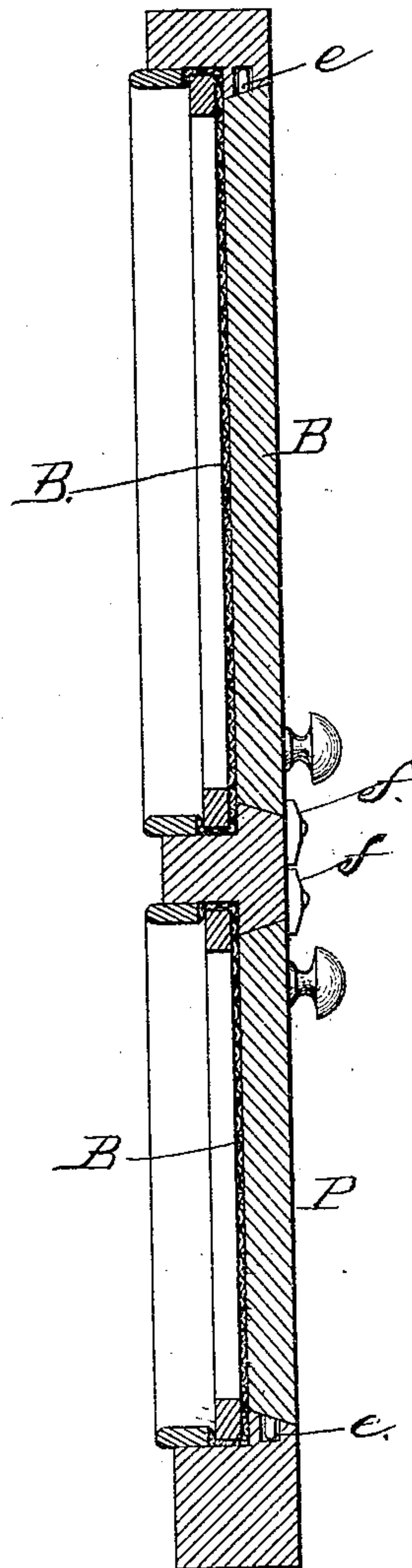
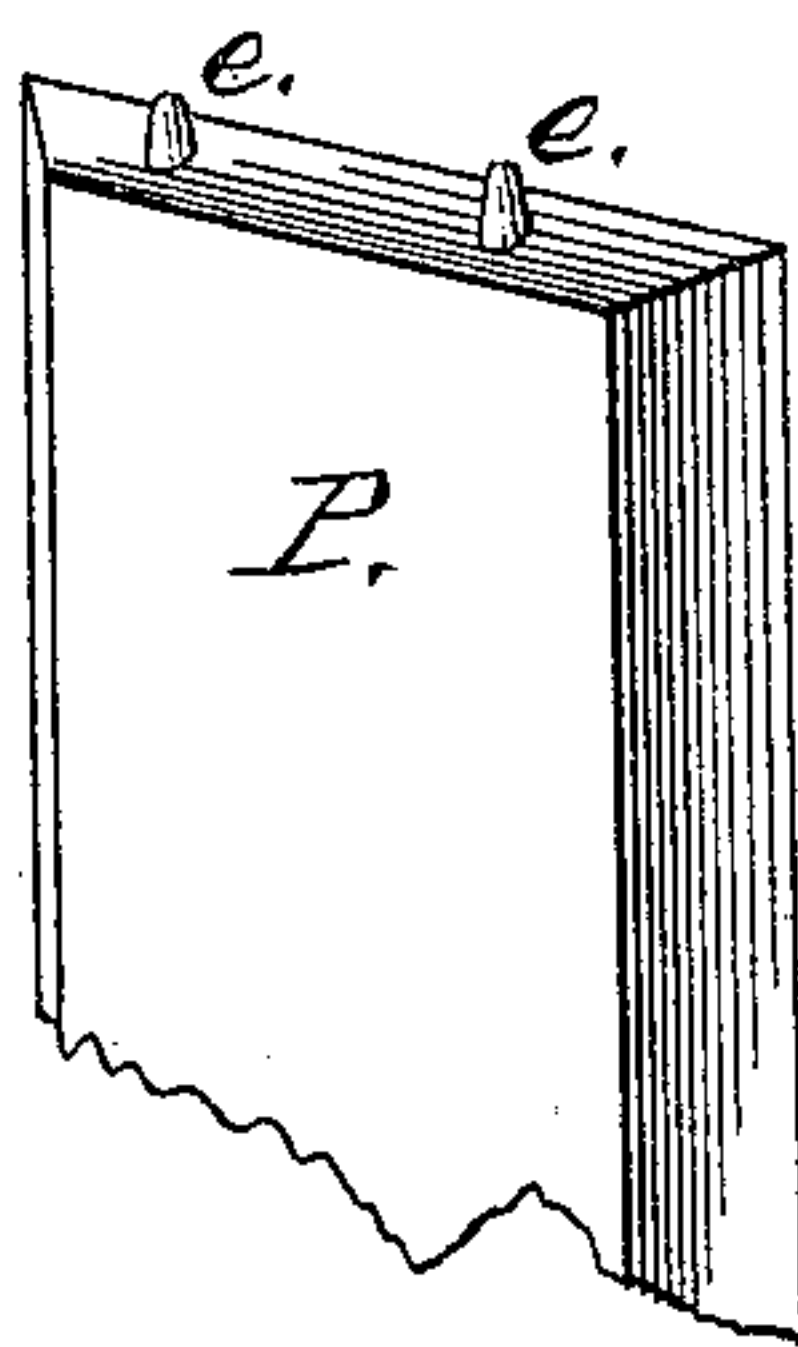


Fig. 3.



WITNESSES
John A. Lee.
F. J. Massi.

INVENTOR
George Huffman,
by E. W. Anderson
his ATTORNEY

UNITED STATES PATENT OFFICE.

GEORGE HUFFMAN, OF CEDAR FALLS, IOWA.

STORM AND SCREEN DOOR.

SPECIFICATION forming part of Letters Patent No. 249,050, dated November 1, 1881.

Application filed October 11, 1879.

To all whom it may concern:

Be it known that I, GEORGE HUFFMAN, of Cedar Falls, in the county of Black Hawk and State of Iowa, have invented a new and valuable Improvement in Combined Storm and Screen Doors; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of front view of my invention. Fig. 2 is a longitudinal vertical section thereof, and Fig. 3 is a detail.

This invention relates to combined storm and screen doors; and it consists in the improved features of construction and combination hereinafter fully described, and particularly pointed out in the claim.

In the accompanying drawings, the letter A designates an ordinary door-frame, consisting, essentially, of the hanging and lock stiles *aa'*, the top and bottom rails, *b b'*, the middle or lock rail, *c*, and the mullion *d*. These are put together in the usual way, but the spaces usually occupied by the panels are left open. Within these spaces are placed light frames, upon which are stretched the wire-gauze screens B, the said screens resting against a shoulder in said openings, and being held in

position by means of suitable moldings. These screens are usually at the outside of the door. The edges of the mullion, the stiles, and rails are beveled outwardly, and the openings bounded by said parts are closed by a removable panel, P, having correspondingly beveled edges. These panels are provided at one end with dowel-pins *e*, that are received in corresponding perforations in the rails of the door, the remaining end of said panel being secured by means of a button, *f*, a snap or other lock, or spring-catch or other equivalent device. These panels when in place are, as it were, wedged in, and form a close wind and weather proof door, but in warm sunny weather may be readily removed, allowing light and air to penetrate through the wire-gauze, but excluding flies and other insects.

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

In a combined storm and screen door, the combination, with the fixed screens B, of the removable panels P, substantially as and for the purposes set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

GEORGE HUFFMAN.

Witnesses:

NATHAN T. HAMILTON,
ALFRED SMITH.