

L. Fleischman.

Attaching Window Strips.

N^o 43,578.

Patented Jul. 19, 1864.

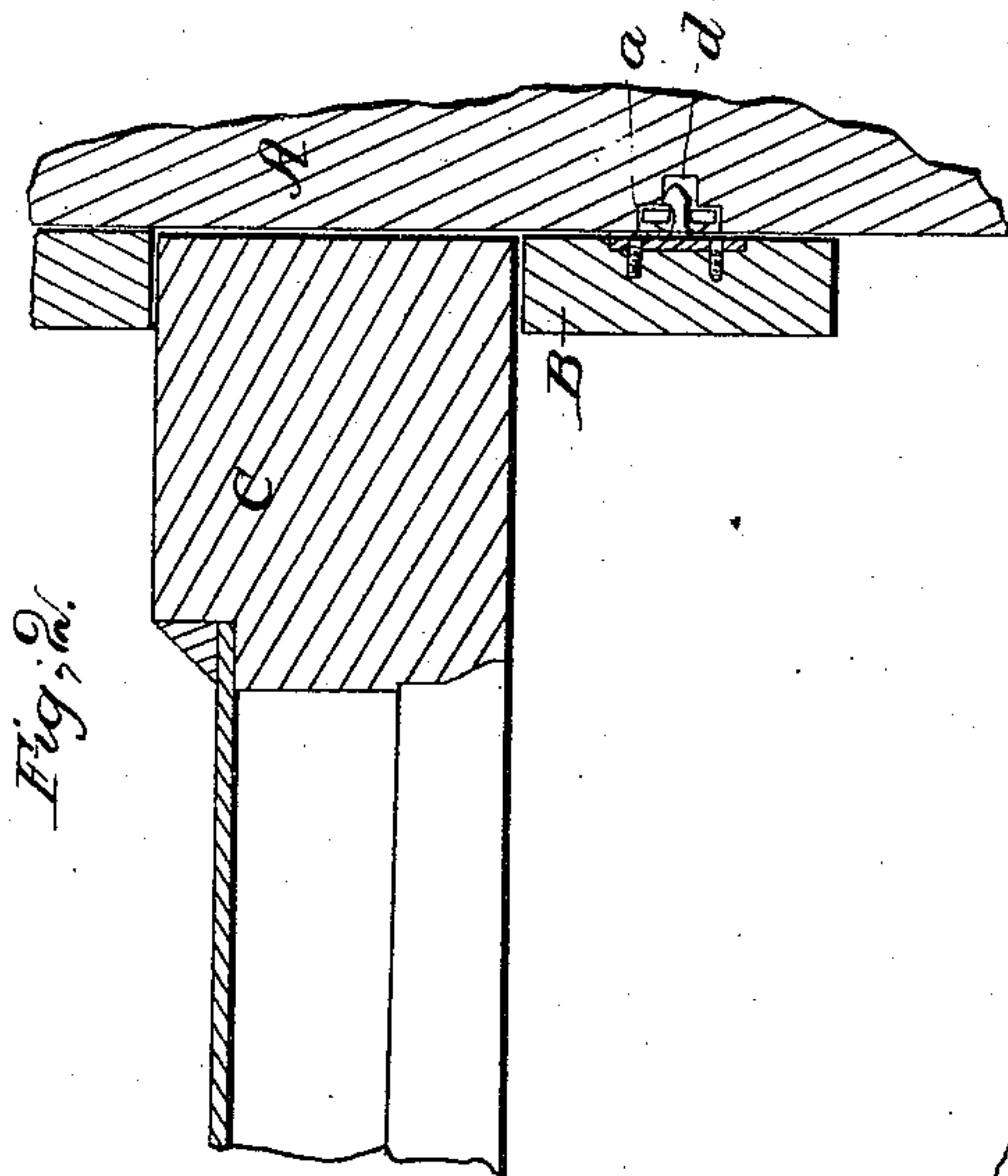


Fig. 2.

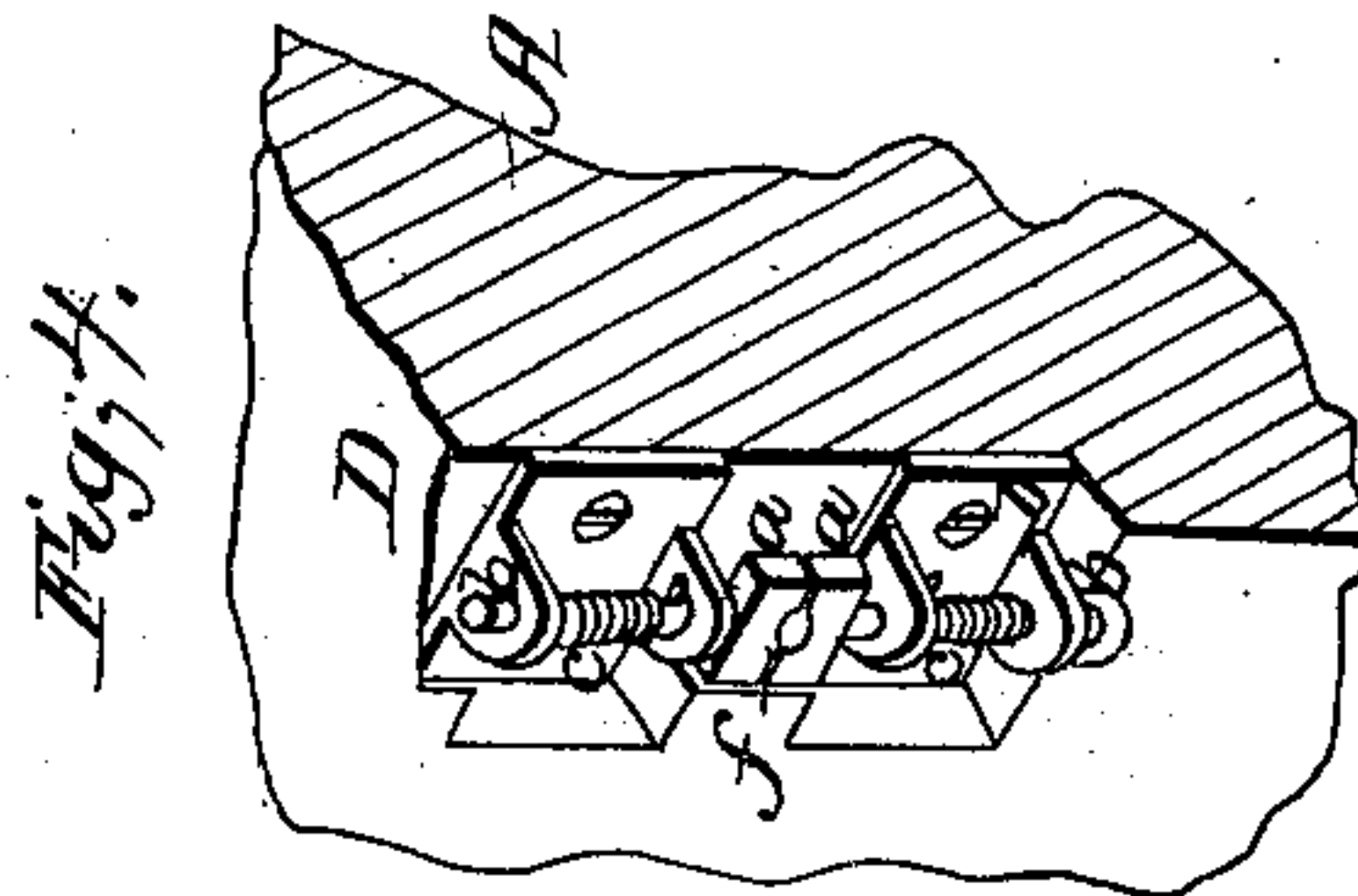


Fig. 4.

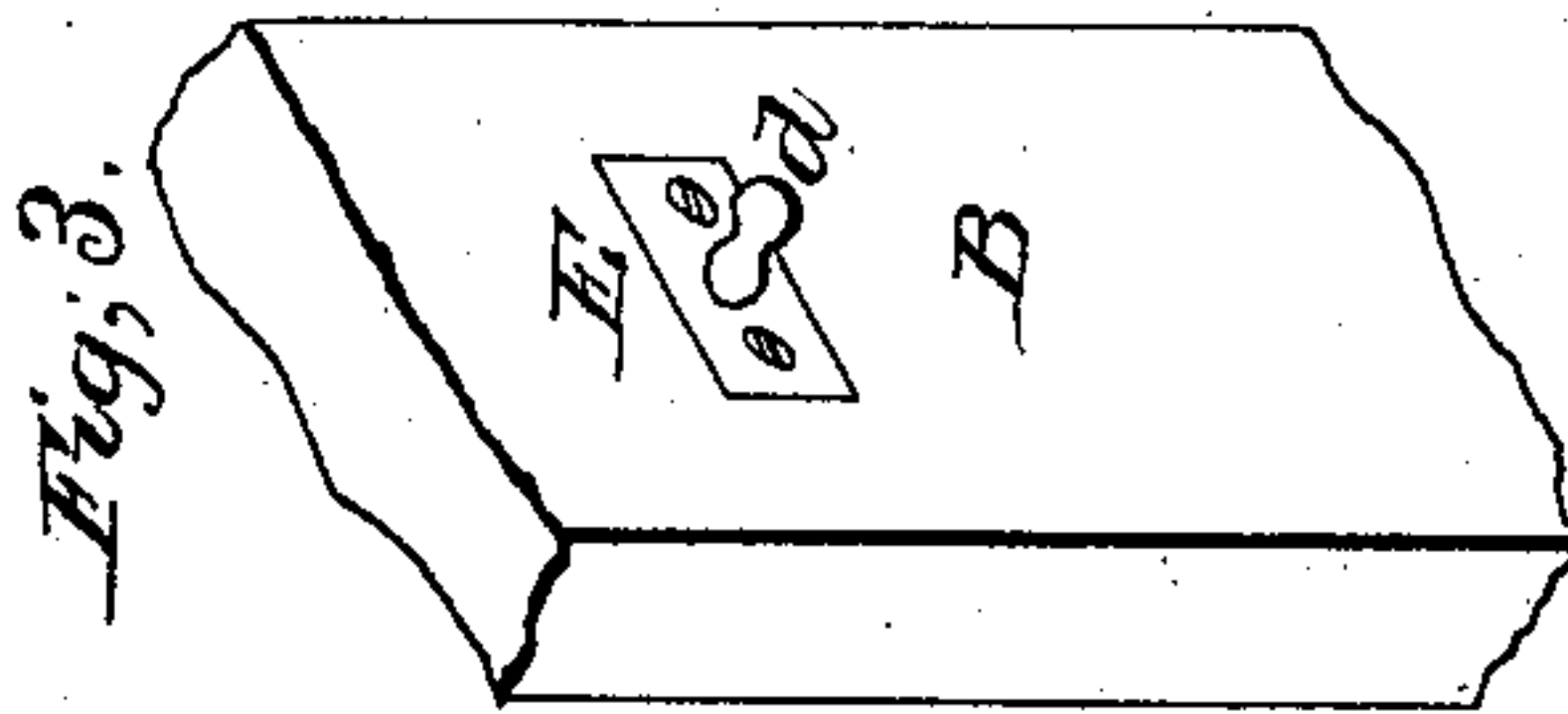


Fig. 3.

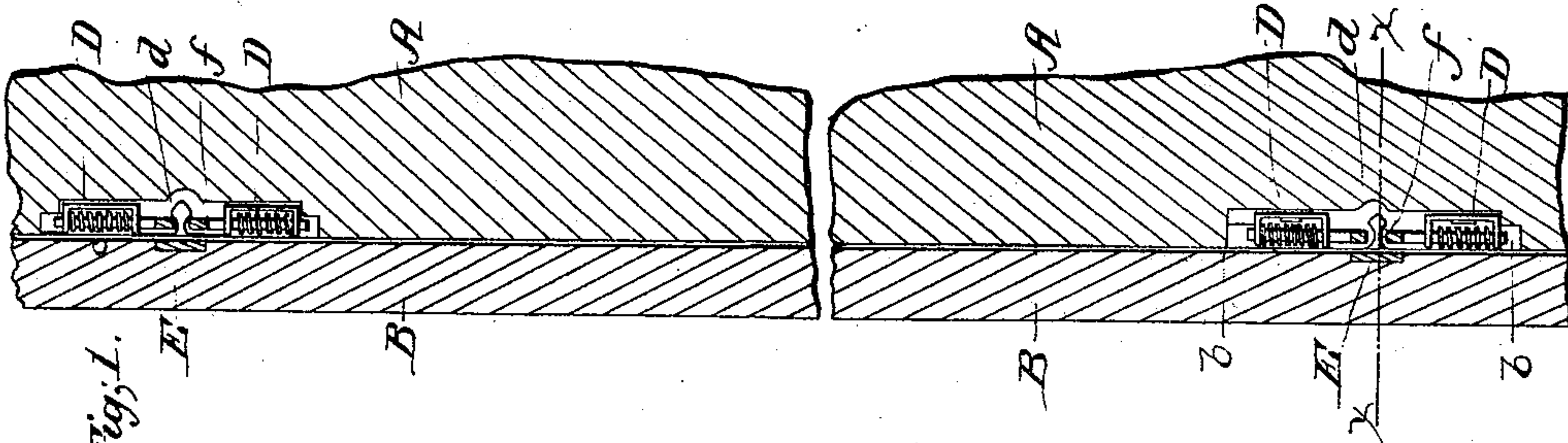


Fig. 1.

Witnesses;
Jay Hoyatt.
Chas F. Spencer

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UNITED STATES PATENT OFFICE.

LEVI FLEISCHMAN, OF ROCHESTER, NEW YORK.

IMPROVEMENT IN ATTACHING STOPS TO SASHES.

Specification forming part of Letters Patent No. 43,578, dated July 19, 1864.

To all whom it may concern:

Be it known that I, LEVI FLEISCHMAN, of the city of Rochester, in the county of Monroe and State of New York, have invented a new and useful improvement in attaching the stops or strips which secure the sashes in window-frames; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a vertical transverse section. Fig. 2 is a horizontal transverse section in the plane of the line *x x*, showing parts of casing A, stop B, and sash C. Fig. 3 is a perspective view of the projection *d*, being that portion of the fastening which is attached to the stop or strip B. Fig. 4 is a similar view of that portion of the fastening attached to the window-casing.

Like letters designate corresponding parts in all of the figures.

My improvement relates to securing the strip or "inner stop" (as known to architects) of the window without the use of nails. As it is necessary, in removing the sash for cleaning, to frequently take off these strips, the nails with which they are held become loosened in the wood, both of the casing and the strip, frequently tearing the latter and mutilating the paint, and leaving the joint open to the passage of wind and dust. Screws cannot be used, on account of the objectionable appearance of their heads, which must be exposed in order to be turned in and out when the removal of the stop is required. To obviate these difficulties, I construct a device which is self-fastening, and wholly concealed when on, and which may be removed readily with the application of very slight force.

On the inner side of the stop-strip B, I attach a metallic plate, E, with screws most conveniently, having the projecting pin *d* upon its face. In a corresponding position on the casing similar plates, D D, are connected in the same manner—being counter-sunk—on which a divided head is situated, composed of the parts *a a*, each of which has a stem, *b b*, passing through guides, which stems are surrounded by the spiral springs *c*, so as to press the parts *a a* together. The pin *d* is contracted in the middle, which leaves the outer end of larger size. When

the strip is placed in its proper position in the window-frame, the pin *d* coincides exactly with the hole *f* of the divided head, and with a little pressure on the back of the strip pushes the parts *a a* apart and enters, the head being of larger dimensions than the hole, which, however, accommodates the neck of the pin with ease. The closing of the parts *a a* together by the force of the springs *c c* holds the pin between them until sufficient power is applied to the strip B to overcome the resistance of the springs and the friction of the pin and head, and thereby draw it off. The form of the shoulder between the neck and head of the pin is not so abrupt but that it may be removed in this manner without injury to the parts. Two or more of these fastenings may be used to each stop, according to its length, and, being wholly concealed, and more secure than nailing after the nails become loosened, will be found advantageous, both in the saving of labor and the beauty and welfare of the wood-work of the window. Any equivalent of the fastening device may be used in the same manner; or the pin *d* may be attached by a screw-thread upon its shank, and the plate E dispensed with. It will be seen that the greatest pressure or force on the strip comes laterally, and not outward, so that the strip will not become detached accidentally. By this arrangement the strips are securely held as well when they have been removed a dozen times as when first applied, whereas, when nails are used, the holes become worn or enlarged when they have been taken off once or twice, and the whole arrangement is unsightly.

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

Attaching the strip B to the casing A by means of the divided spring-heads *a a* and the pin *d*, or their equivalent devices, the whole arranged, combined, and operating substantially in the manner and for the purpose herein set forth.

In testimony whereof I have hereunto signed my name in the presence of two subscribing witnesses.

L. FLEISCHMAN.

Witnesses:

R. F. OSGOOD,
JAY HYATT.