

(No Model.)

J. P. BAUMGARTNER.
SHADE SUPPORTER.

No. 574,515.

Patented Jan. 5, 1897.

Fig. 1.

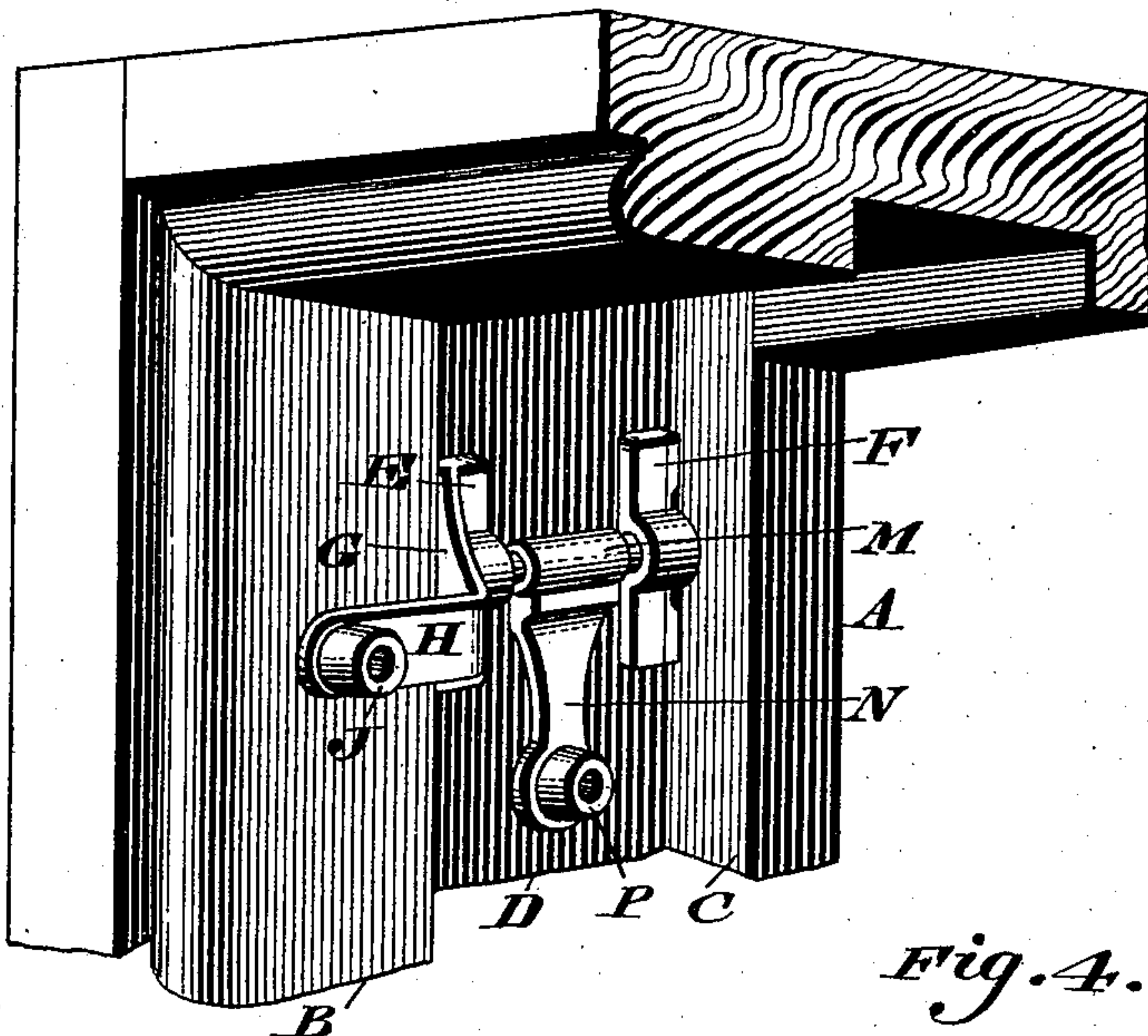


Fig. 2.

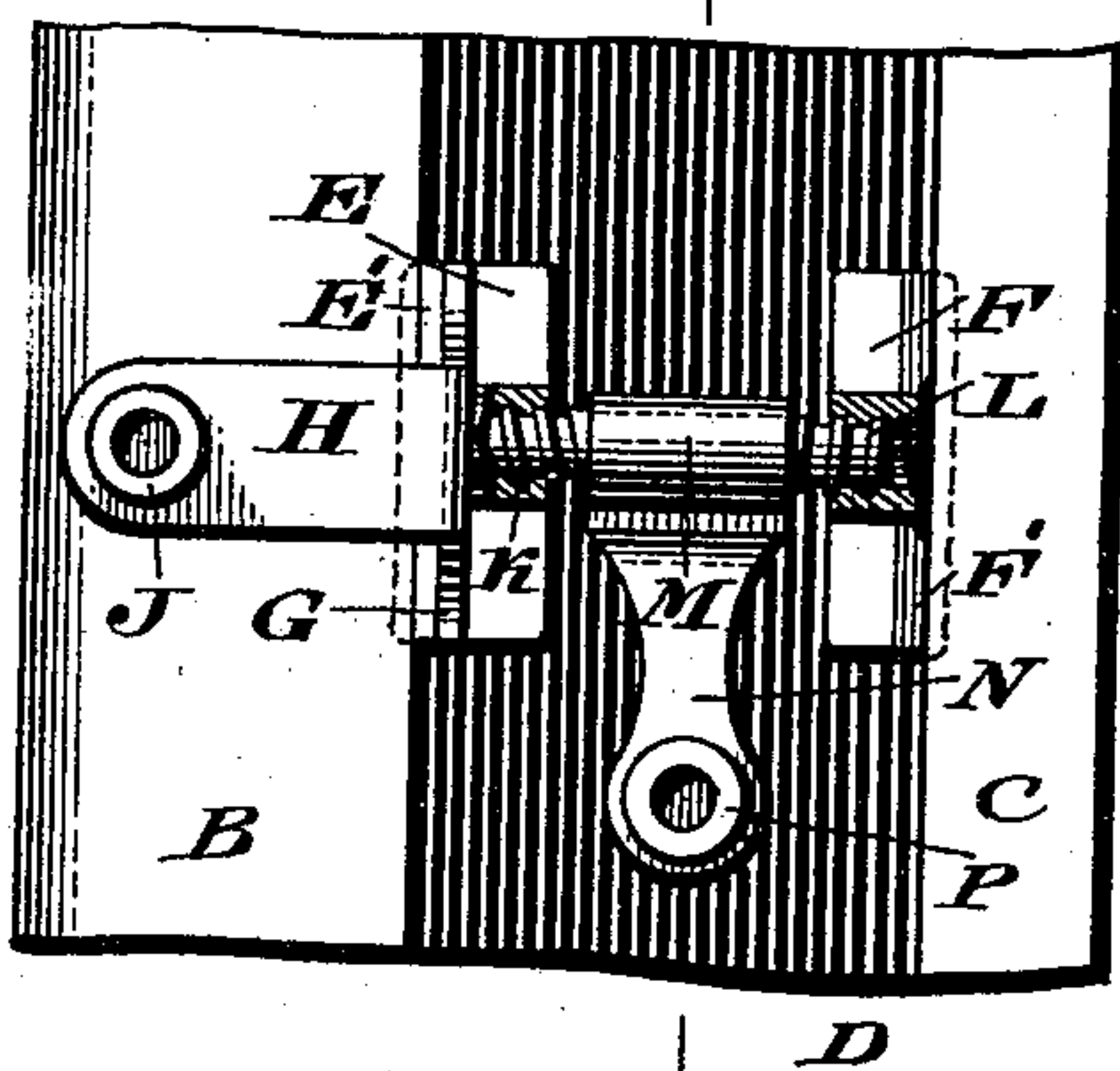


Fig. 4.

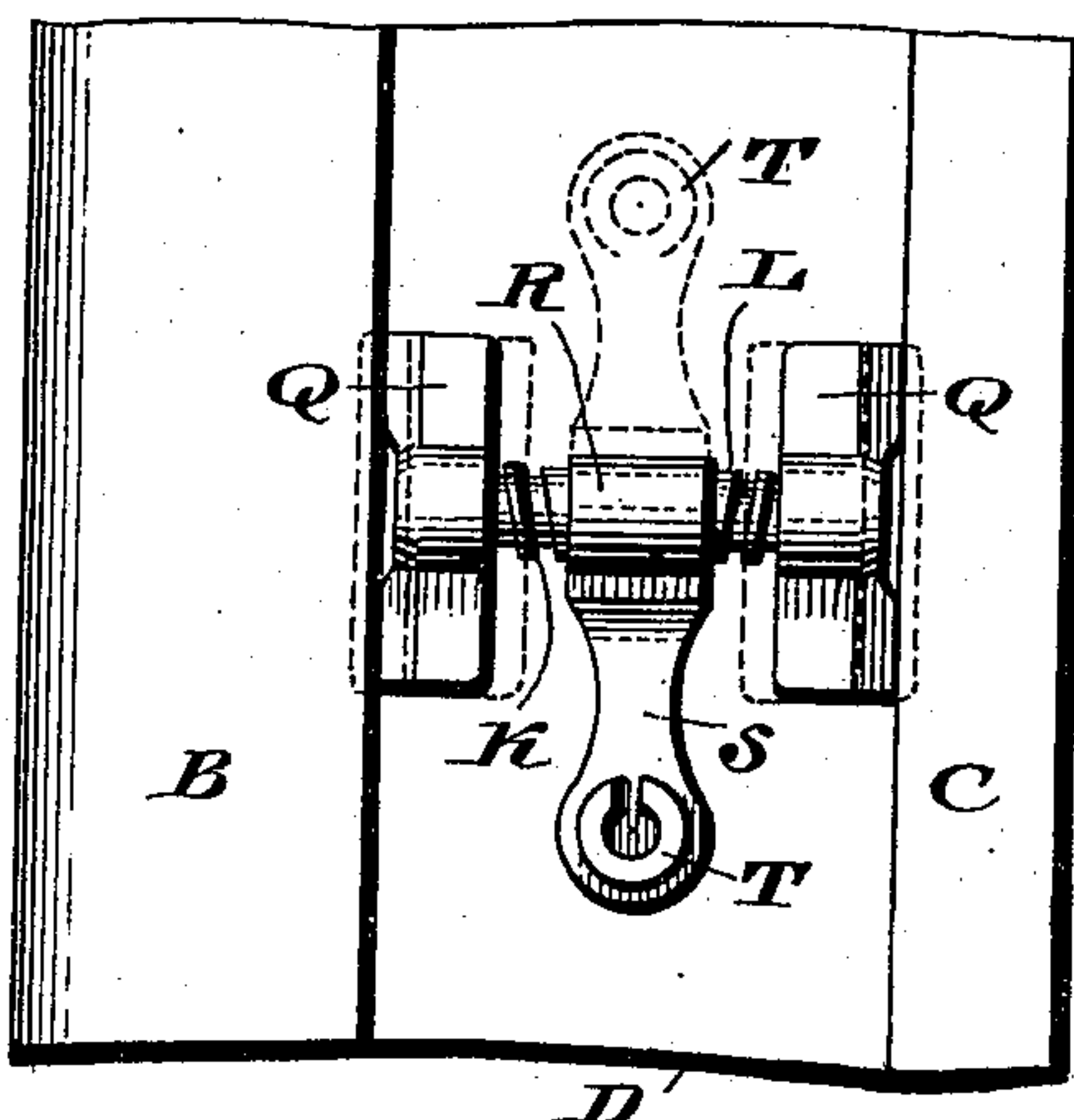
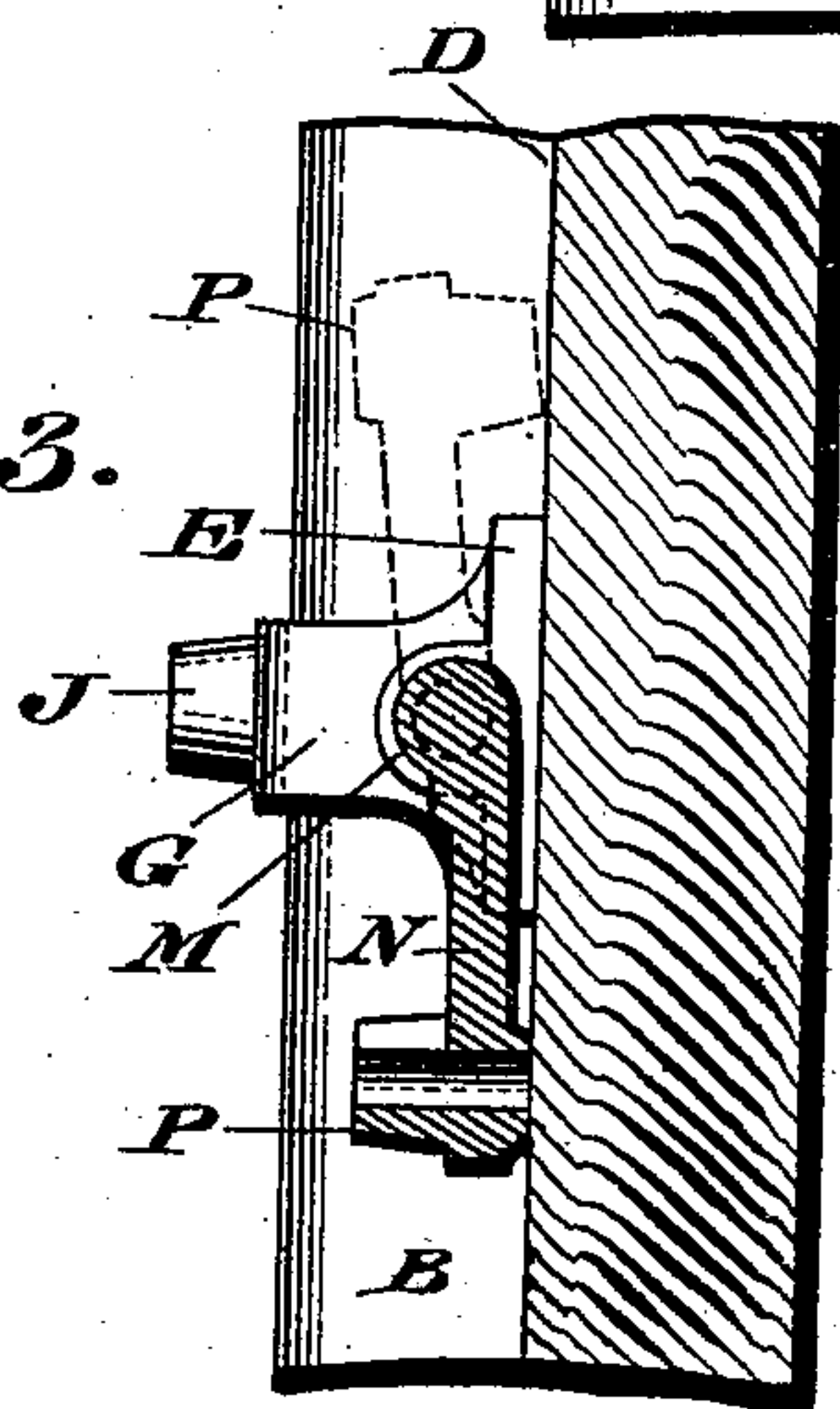


Fig. 3.



WITNESSES:

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JOSEPH P. BAUMGARTNER, OF PHILADELPHIA, PENNSYLVANIA.

SHADE-SUPPORTER.

SPECIFICATION forming part of Letters Patent No. 574,515, dated January 5, 1897.

Application filed October 6, 1896. Serial No. 608,011. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH P. BAUMGARTNER, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Shade-Supporters, which improvement is fully set forth in the following specification and accompanying drawings.

My invention consists of an improvement in shade-supporters which can be quickly and easily applied and removed from the window-frame, the same being adapted to be placed in the sash-groove or pulley-stile without the use of screws, the novel features being herein after fully set forth, and specifically pointed out in the claims.

Figure 1 represents a perspective view of a corner of a window-frame having a shade-supporter embodying my invention applied thereto. Fig. 2 represents a front elevation of the same. Fig. 3 represents a section on line *xx*, Fig. 2. Fig. 4 represents a front elevation of another embodiment of my invention.

Similar letters of reference indicate corresponding parts in the several figures.

Referring to the drawings, A designates a corner of a window-frame, the same being provided with the strips B and C, which have the backing D, forming a sash-groove or pulley-stile, and is adapted to receive the shade-supporter, said groove being ordinarily difficult of access for shade-supporters of the usual construction.

E designates a shoe whose edge E' is adapted to engage the strip B or enter between the strip B and the backing D, said edge being beveled or chamfered, so as to readily engage said strip.

F designates a shoe oppositely located to the shoe E and provided with a similar bevel F', whose function is the same as the bevel E' above referred to.

G designates an arm projecting from the shoe E so as to clear the edge of the strip B, said arm having the extension H, which is provided with a bearing J therein.

K and L designate studs or stems which are provided with right and left hand threads, respectively, or vice versa, each of said studs being carried by the body portion M, to which latter is attached the arm N, which has the bearing P therein.

In Fig. 4 the construction is substantially the same as already described, except that the arm G with its extension H and bearing J therein is omitted, Q designating shoes which are each substantially alike and similar to the shoes F, already described, said shoes being engaged by the right and left hand threaded stems K and L, which latter have a body portion R, from which depends the arm S, in which is located the bearing T.

The operation is as follows: The arms N or S are first given a turn sufficient to enable the shoes E and F or Q, as the case may be, to freely enter the space between the strips B and C, the arm being turned first into substantially the position seen dotted in Fig. 4, and when said arm is brought into the position seen in full lines in said Fig. 4 or into the position seen in Figs. 1 and 2 the shoes will be caused to separate or move away from each other by reason of the right and left hand threads and to readily engage the strips B and C, the curtain-rollers being inserted in either of the bearings J and P or the bearing T, the principle of attachment in both cases being substantially identical.

It will thus be seen from the foregoing that a simple and effective means for attaching the supporter in position is produced, and I am further enabled to support a pair of shades or a single shade, as desired.

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

1. A shade-supporter having shoes adapted to be placed between strips on a side of a window-frame, right and left threaded studs engaging openings in said shoes, and a body portion connected with said studs and having an arm with a journal-bearing thereon.

2. A shade-supporter having shoes adapted to be placed between strips on a side of a window-frame, and provided with beveled edges adapted to enter between the said strips and the backing of the window-frame, an arm projecting from one of said shoes and provided with an extension having a journal-bearing thereon, and a body-piece with right and left threaded studs engaging in openings in said shoes and provided with an arm for operating the same.

3. In a shade-supporter, shoes adapted to be

placed between strips on a side of a window-frame having openings therein provided with right and left hand threads, a bearing for the shade-roller having right and left hand threaded stems projecting in an opposite direction therefrom, said stems being adapted to engage the threaded openings in said shoes.

4. In a shade-supporter, shoes having their outer edges beveled and provided with right and left hand threaded openings, an arm having a bearing therein and provided with the right and left hand threaded stems projecting in opposite directions therefrom, and adapted to engage the threaded openings in said shoes, said shoes and arm with studs and bearing being adapted to be placed between upright strips on one side of a window-frame.

5. In a shade-supporter, shoes having oppositely-threaded openings respectively, an arm

provided with a bearing projecting from one of said shoes, a body portion having oppositely-threaded stems engaging said shoes, and means for operating said body portion, said shoes and body portion provided with stems being adapted to be placed between vertical strips on one side of a window-frame.

6. In a shade-supporter, shoes having oppositely-threaded openings and adapted to be placed between strips on a side of a window-frame, an arm having a bearing projecting from one of said shoes, a body portion having stems engaging said shoes, and an arm attached to said body portion having a bearing.

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Witnesses:

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