

No. 707,940.

Patented Aug. 26, 1902.

E. A. PATTERSON.

SASH LOCK.

(Application filed Apr. 3, 1902.)

(No Model.)

Fig. 1.

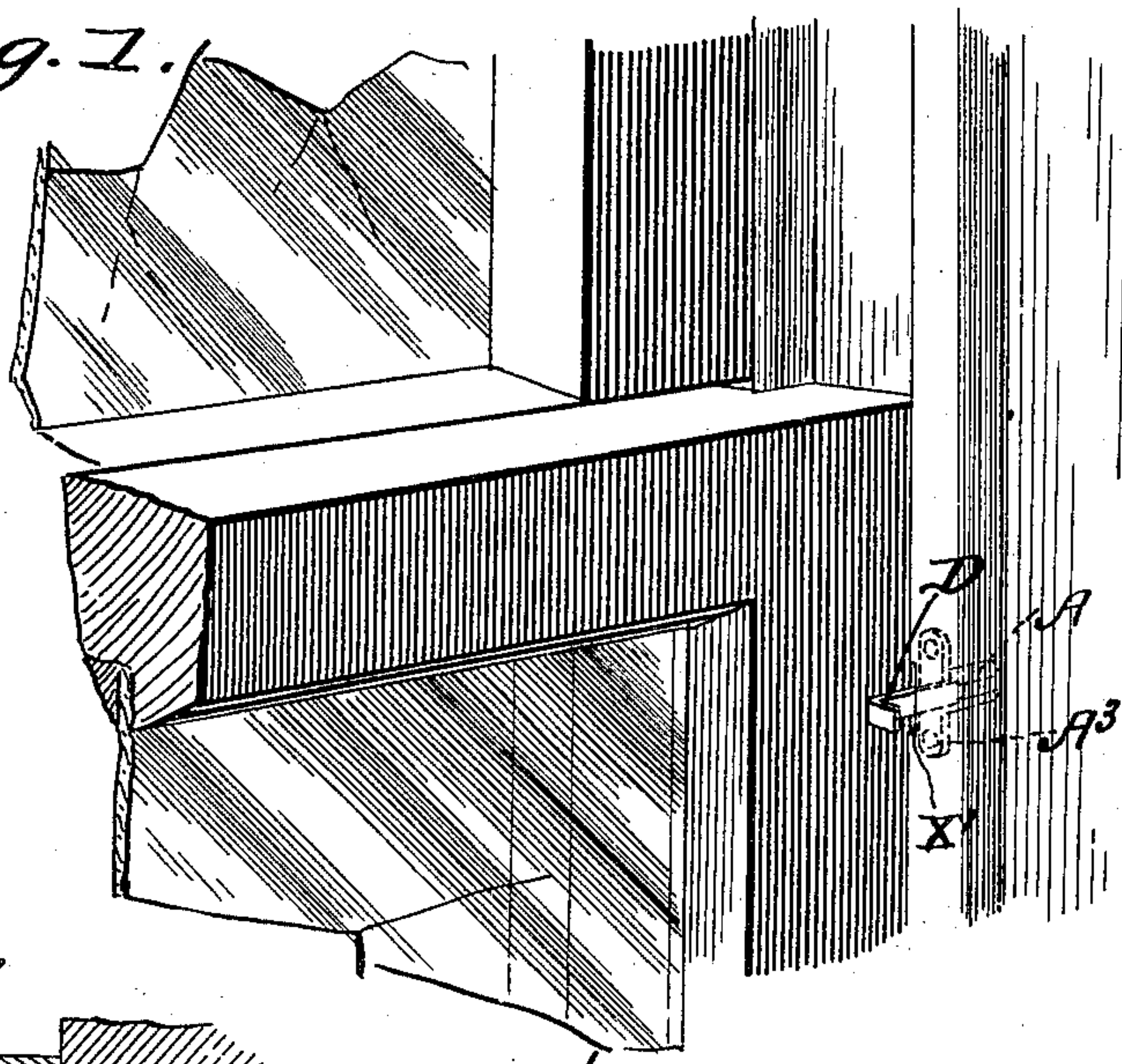


Fig. 2.

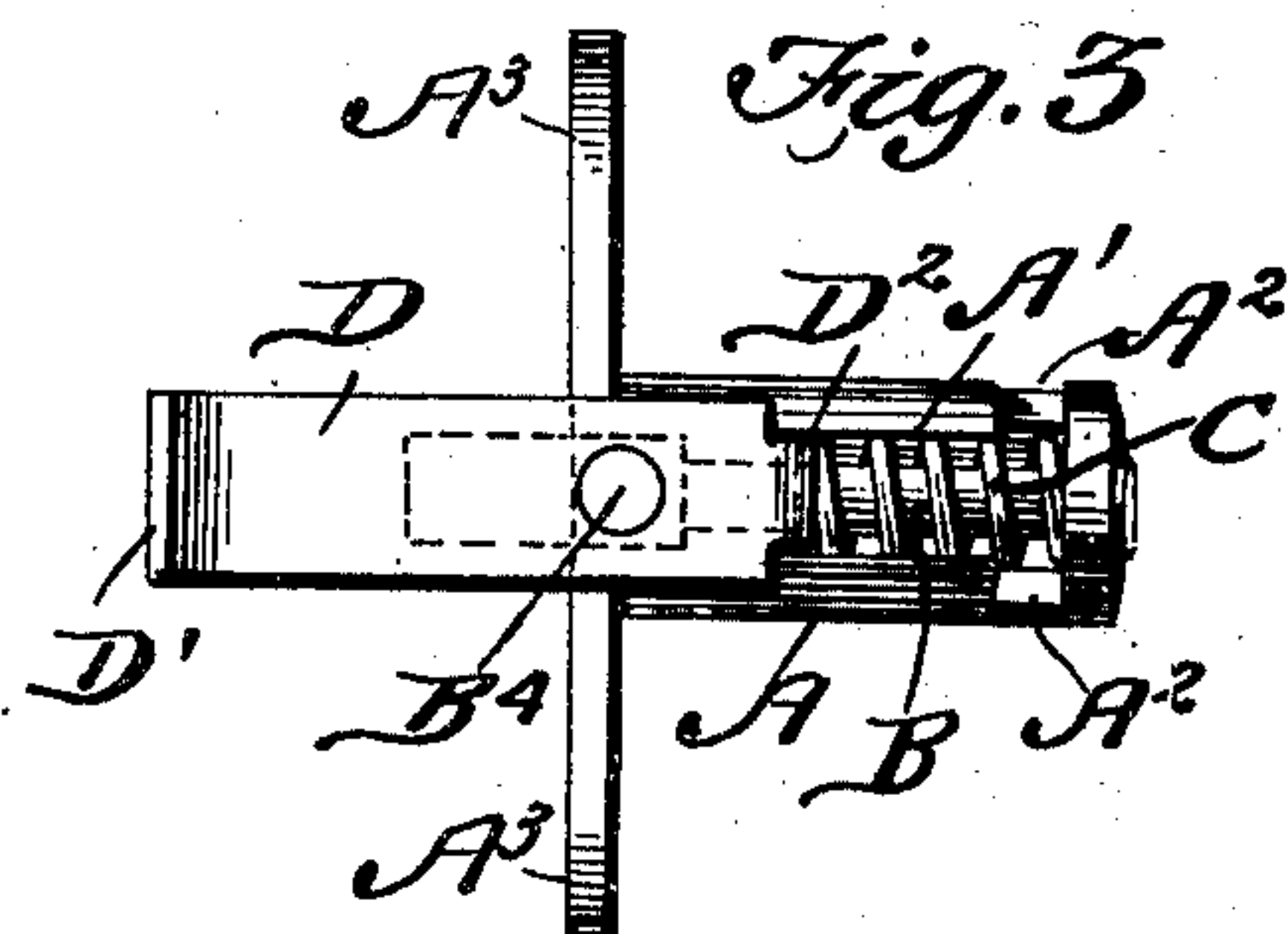
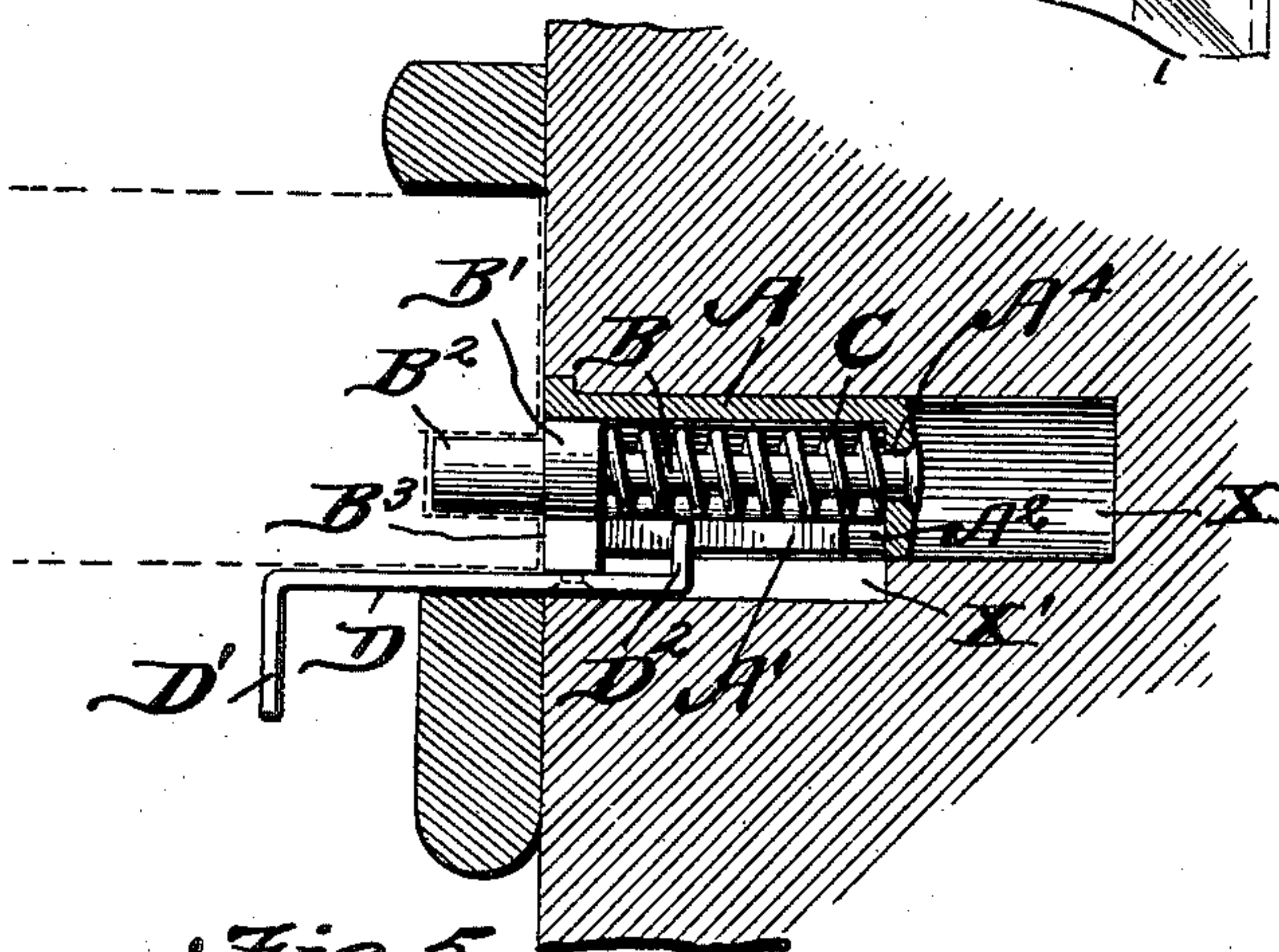


Fig. 4.

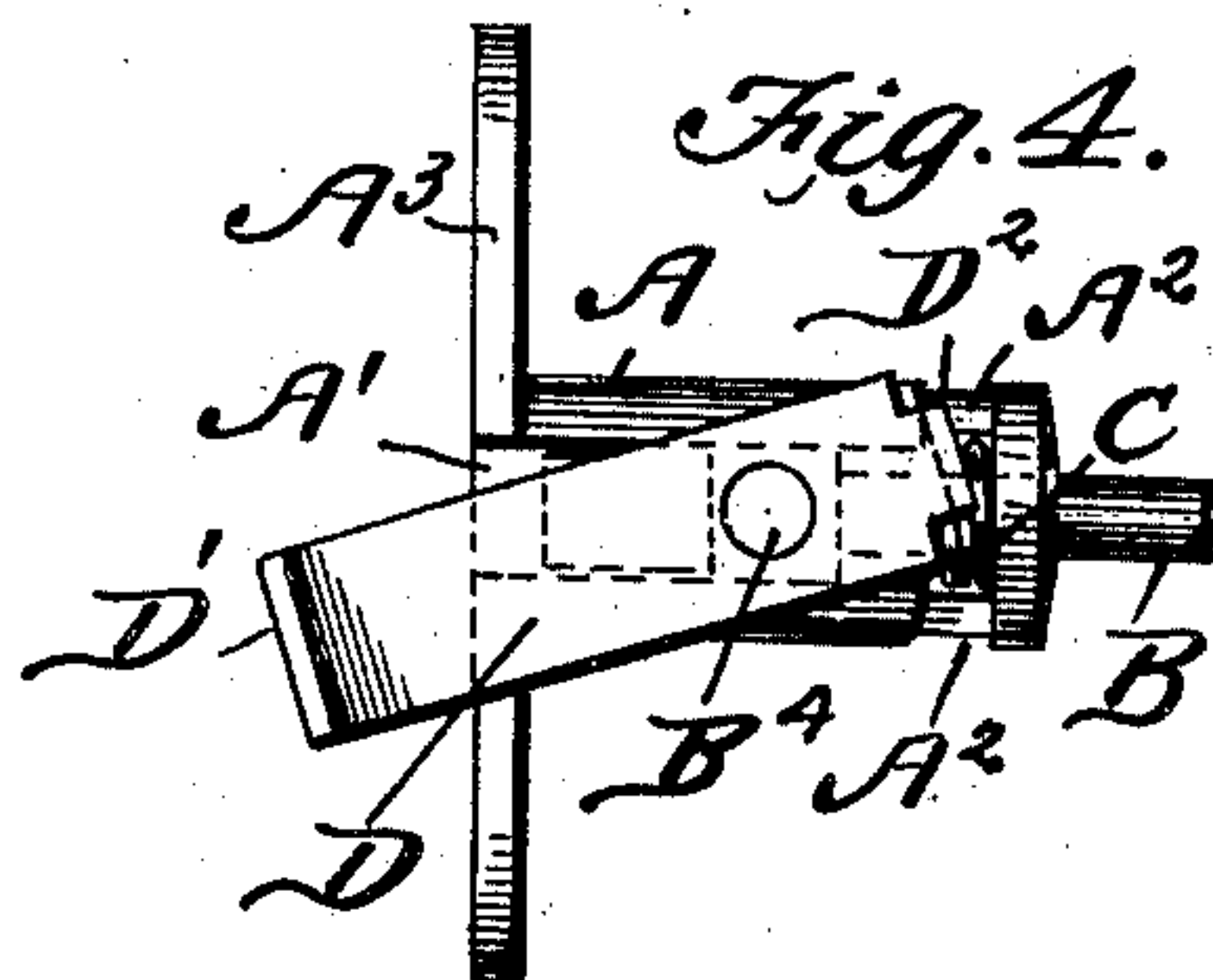


Fig. 5.

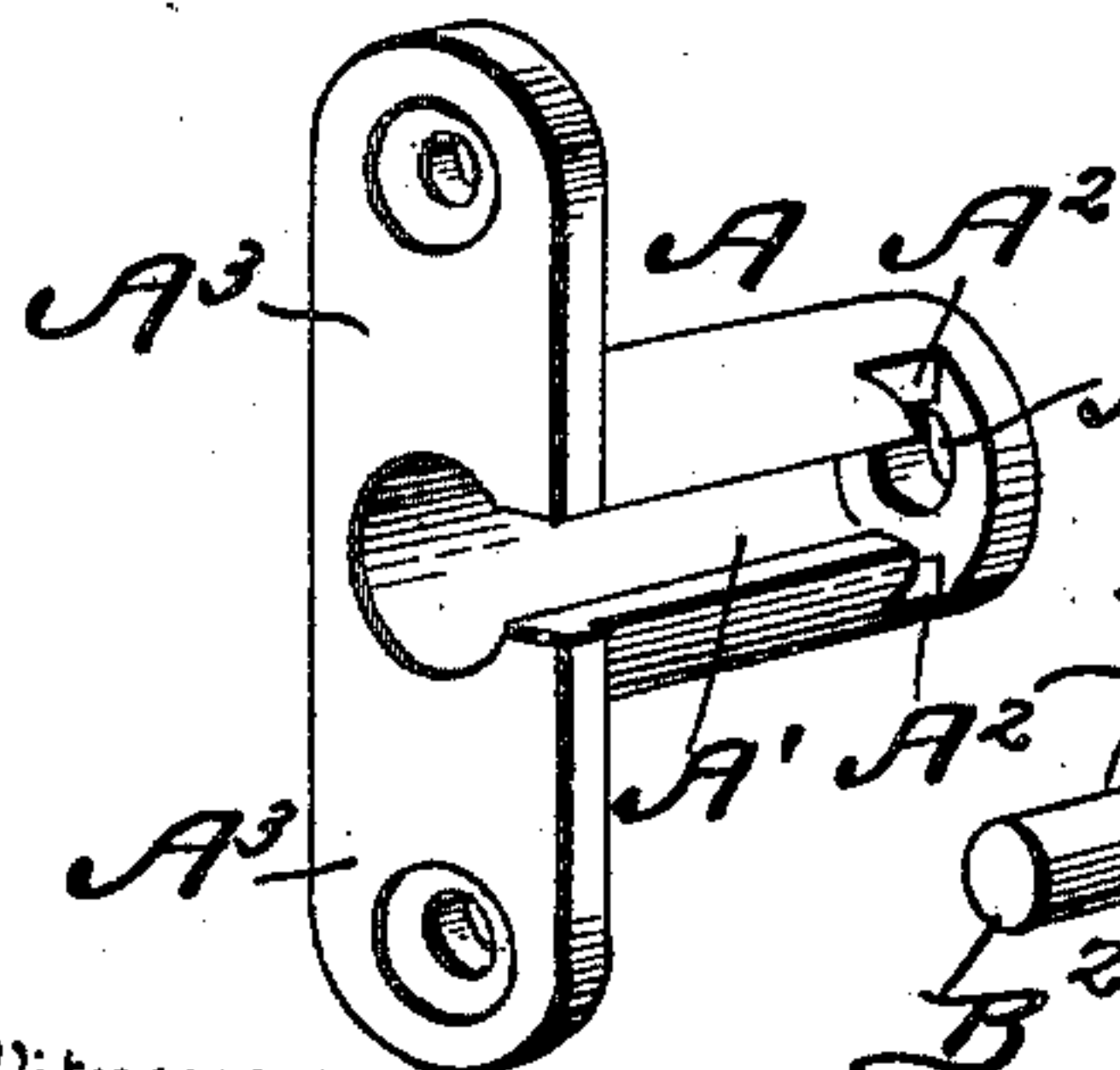


Fig. 6.

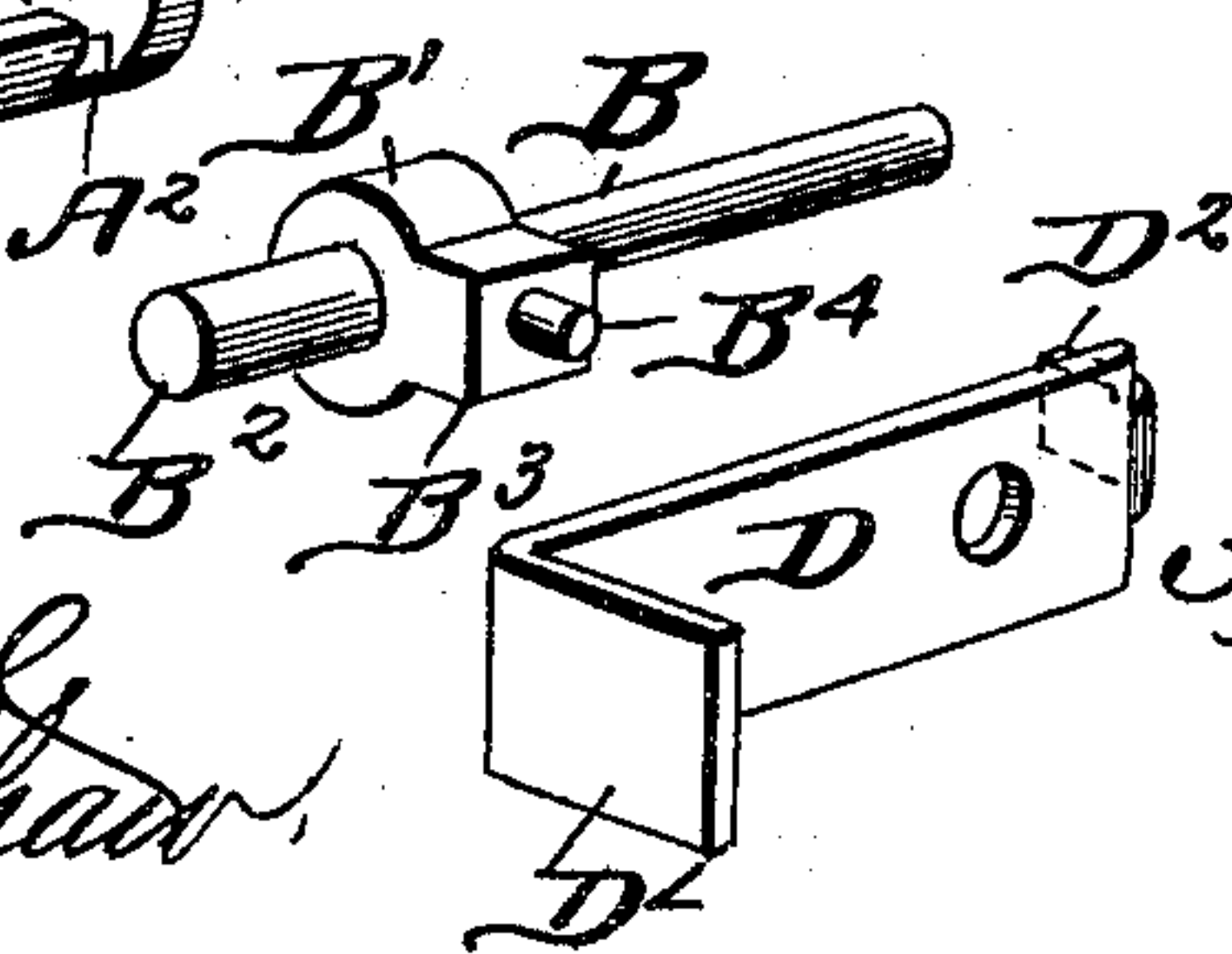


Fig. 7.

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EUGENE A. PATTERSON, OF DUNBAR, NEBRASKA.

SASH-LOCK.

SPECIFICATION forming part of Letters Patent No. 707,940, dated August 26, 1902.

Application filed April 3, 1902. Serial No. 101,259. (No model.)

To all whom it may concern:

Be it known that I, EUGENE A. PATTERSON, a citizen of the United States, residing at Dunbar, in the county of Otoe and State of Nebraska, have invented a new and useful Sash-Lock, of which the following is a specification.

My invention is an improved sash-lock, and has for its object to provide a cheap, simple, and efficient device for positively holding and locking a sash either in a closed position or at various open positions.

With this object in view my invention comprises a case or casting having a slot arranged therein, in which is adapted to slide a spring-actuated pin or bolt that is normally held in engagement with the sash and holds it firmly in an adjusted position.

Another object of my invention is to provide a device with an arm that is connected to the said bolt for the purpose of operating the same and for holding it in an unlocked position whenever it is desired to do so.

With these and various other objects in view my invention consists in certain details of construction and novelties of combination and arrangement of parts, as will be fully set forth in the claims, reference being had to the drawings, in which—

Figure 1 is a perspective view showing the general position and application of my improvement as applied to the lower sash of a window. Fig. 2 is a detail sectional view taken through the frame, the sash being shown in dotted lines. Fig. 3 is a face view of the lock detached from the frame. Fig. 4 is a similar view showing the lock in position when the bolt is held from engagement with the sash; and Figs. 5, 6, and 7 are detail views of the casing, sliding bolt, and operating-arm, respectively.

While I have shown my improved lock as applied only in connection with the lower sash, it is of course obvious that the same may with equal effectiveness be applied to the upper sash.

In applying my invention to a window-frame it is only necessary to provide a bore or socket X in the frame and to provide a suitable channel-way X' adjacent thereto, as most clearly seen in Fig. 2 of the drawings, and within the bore or socket is arranged the

cylindrical casing A of my improved lock, said casing having a slot A' arranged therein that extends the entire length of the casing and has its rear end communicating with notches A², that are arranged upon either side of the slot. The front of the casing is provided with lateral extensions A³, whose free ends are provided with screw-holes, by which the lock is firmly held in position within the frame. The locking-bolt B operates within the casing, the rear end of which projects through an aperture A⁴ in the rear edge of the casing and has its end headed to prevent the bolt from being disengaged from the casing, and around the body portion or shank of the bolt is positioned a spiral spring C, whose function is to normally throw the bolt outwardly, as shown, the said spring bearing at one end against the inner end of the casing and at its opposite end against the shoulder or collar B', formed integral upon the bolt, and in advance of the said collar is arranged an enlarged portion B² of the bolt, that is designed to enter one of the series of apertures provided in the edge of the sash. The shoulder or collar B' of the bolt is provided with an enlargement or extension B³, that is adapted to project through and operate back and forth in the slot A' of the casing. The outer face of the said enlargement is provided with a stud-bolt B⁴, upon which is pivotally held an operating-arm D, the said stud-bolt B⁴ being headed after the arm is placed thereon, which securely holds it in place. The outer end of the arm is provided with an angular extension or finger-hold D', while its inner end is provided with an inwardly-bent finger D², that is adapted for engagement with either of the notches A² of the casing and by which the bolt is held in a withdrawn position, as most clearly seen from Fig. 4 of the drawings.

It will thus be seen that I provide an exceedingly cheap and efficient device for firmly and positively holding the sash in any position, and in order to raise the sash it is only necessary to press inwardly upon the finger portion of the arm D, which pushes the bolt within the casing and out of engagement with the sash, when the latter may be raised to the desired position and the bolt released, which

firmly locks the sash, and by providing the said notches and finger portion of the arm the latter may be thrown into engagement with the notches and the bolt held in a withdrawn position, leaving both hands free to adjust the sash. This will be found particularly advantageous, as often a sash will bind, and thus make it almost impossible to operate it with one hand.

It will be further seen that my improvement does not disfigure or mar the looks of a window, as only one small portion of the lock is in view.

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

1. In a sash-lock, the combination of a casing having a slot arranged therein throughout its entire length, and notches arranged in the casing and communicating with the slot, of a spring-actuated sliding bolt held within the casing, an arm pivotally held to the said bolt and having its inner end provided with a finger portion that is adapted for engagement

with the said notches, substantially as shown and for the purpose specified.

2. In a sash-lock, the combination of a casing having a slot arranged therein and notches arranged upon either side of the slot and communicating therewith, lateral extensions arranged upon the casing, a bolt operating within the casing and having a shoulder or collar formed integral therewith, an enlargement formed upon one side of the collar that is adapted to protrude through the slot, a spring arranged upon the inner end of the said bolt and adapted to bear at one end against the casing and at its opposite end against the said shoulder or collar, an arm pivotally held upon the said enlargement and having its outer end terminating in an angular portion and its inner end terminating in an inwardly-bent finger portion, substantially as and for the purpose specified.

EUGENE A. PATTERSON.

Witnesses:

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