

(No Model.)

A. DOM.
FILE FOR INDEX CARDS.

No. 525,947.

Patented Sept. 11, 1894.

Fig. 1.

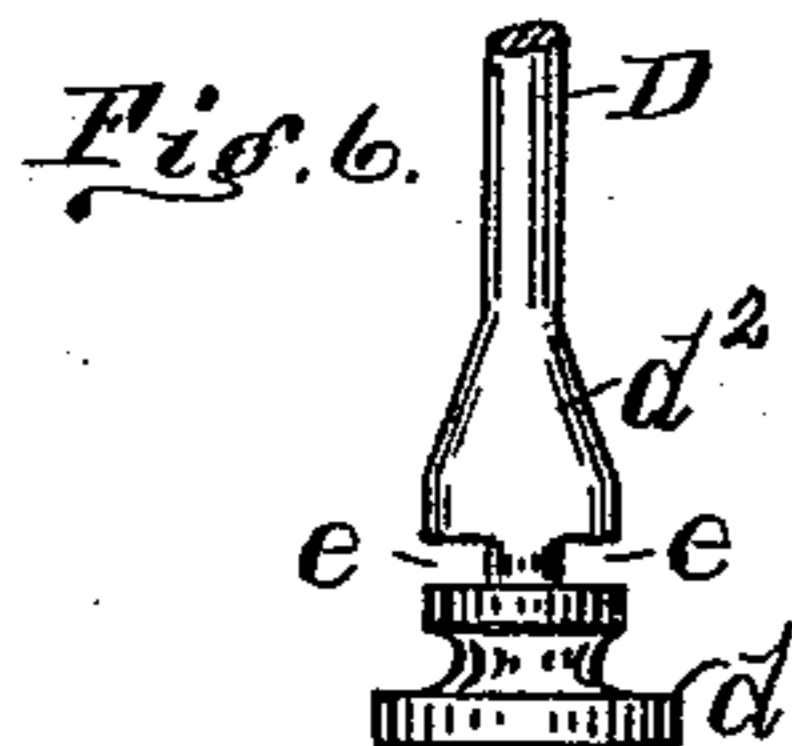
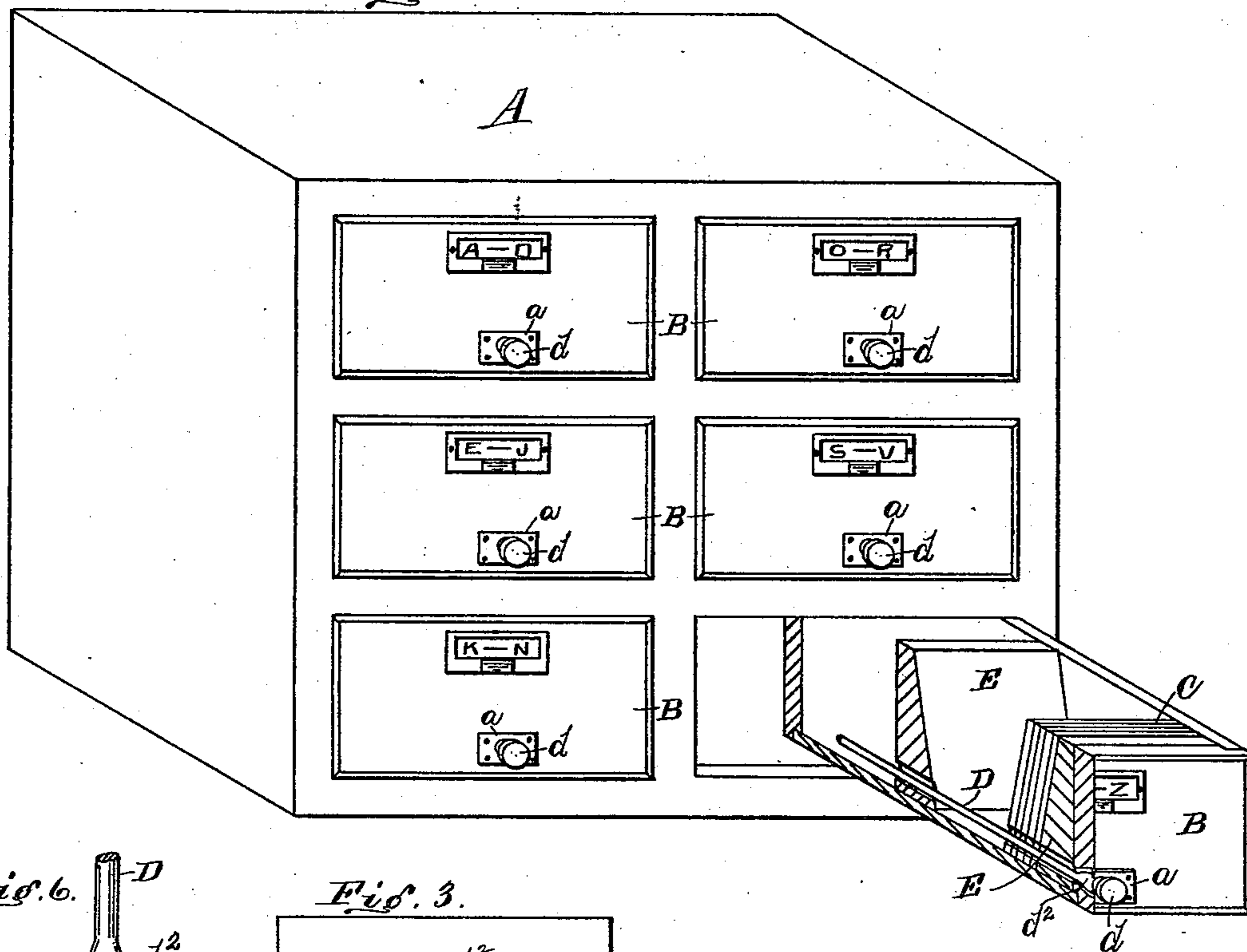


Fig. 3.

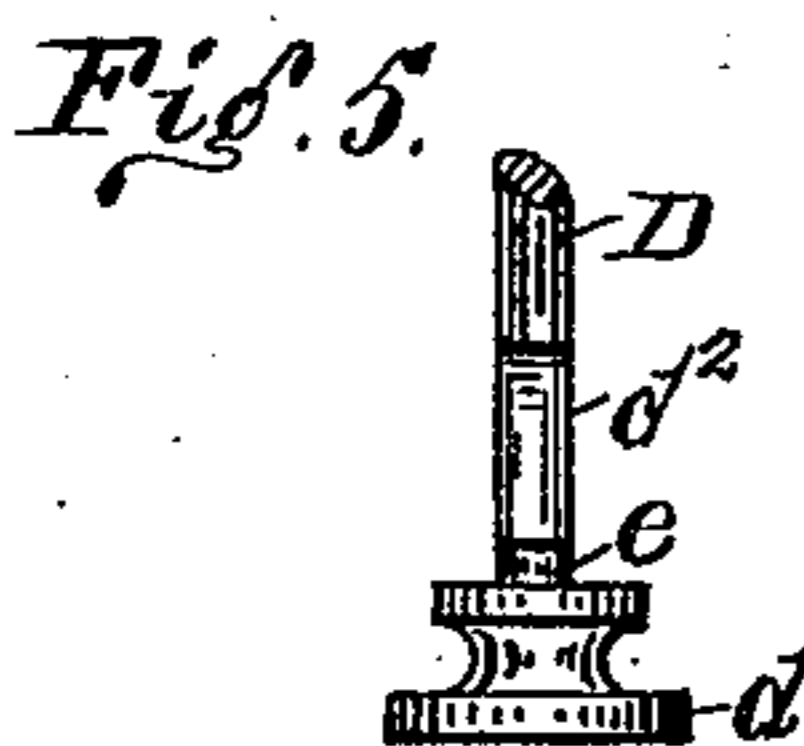
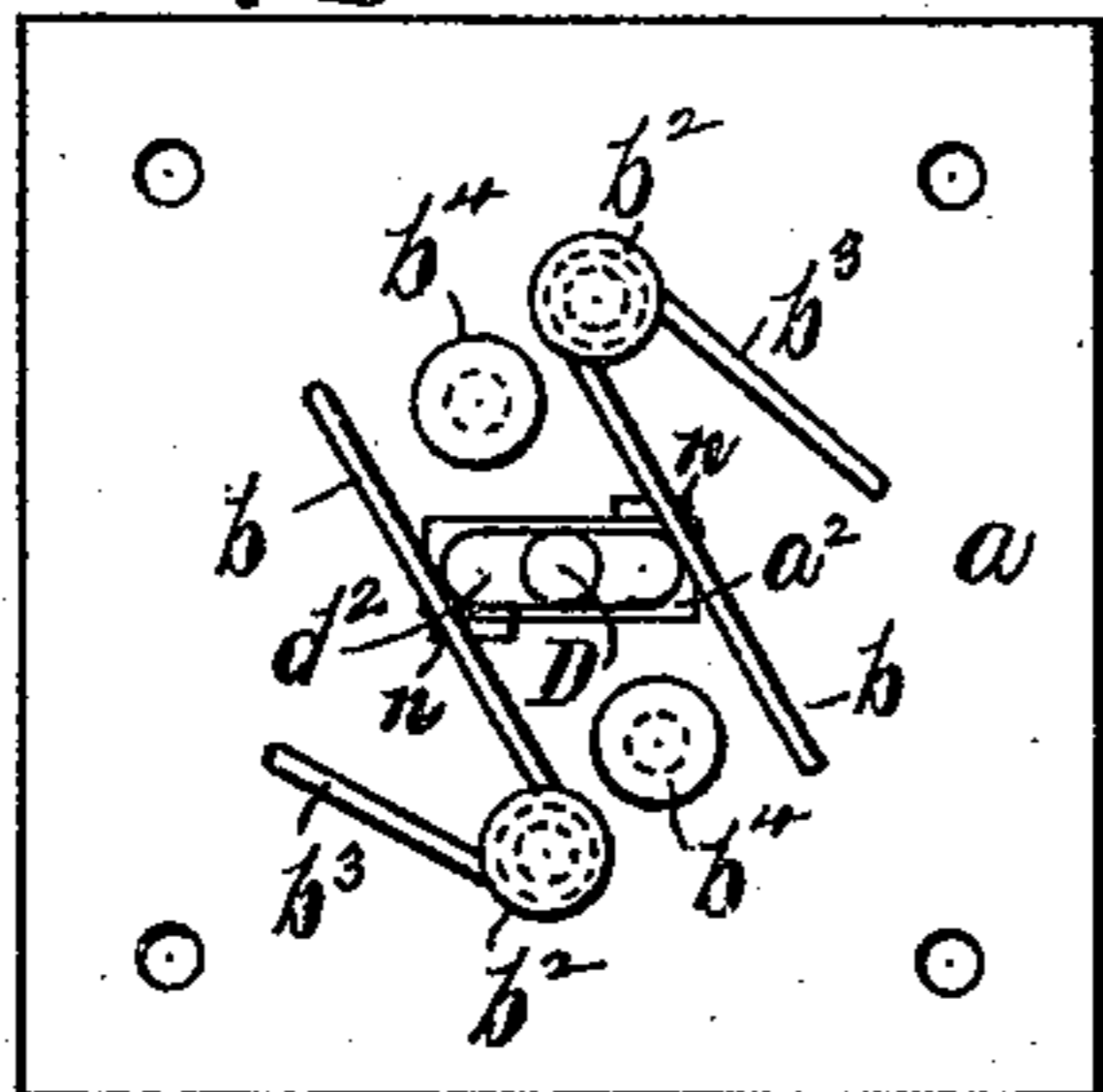
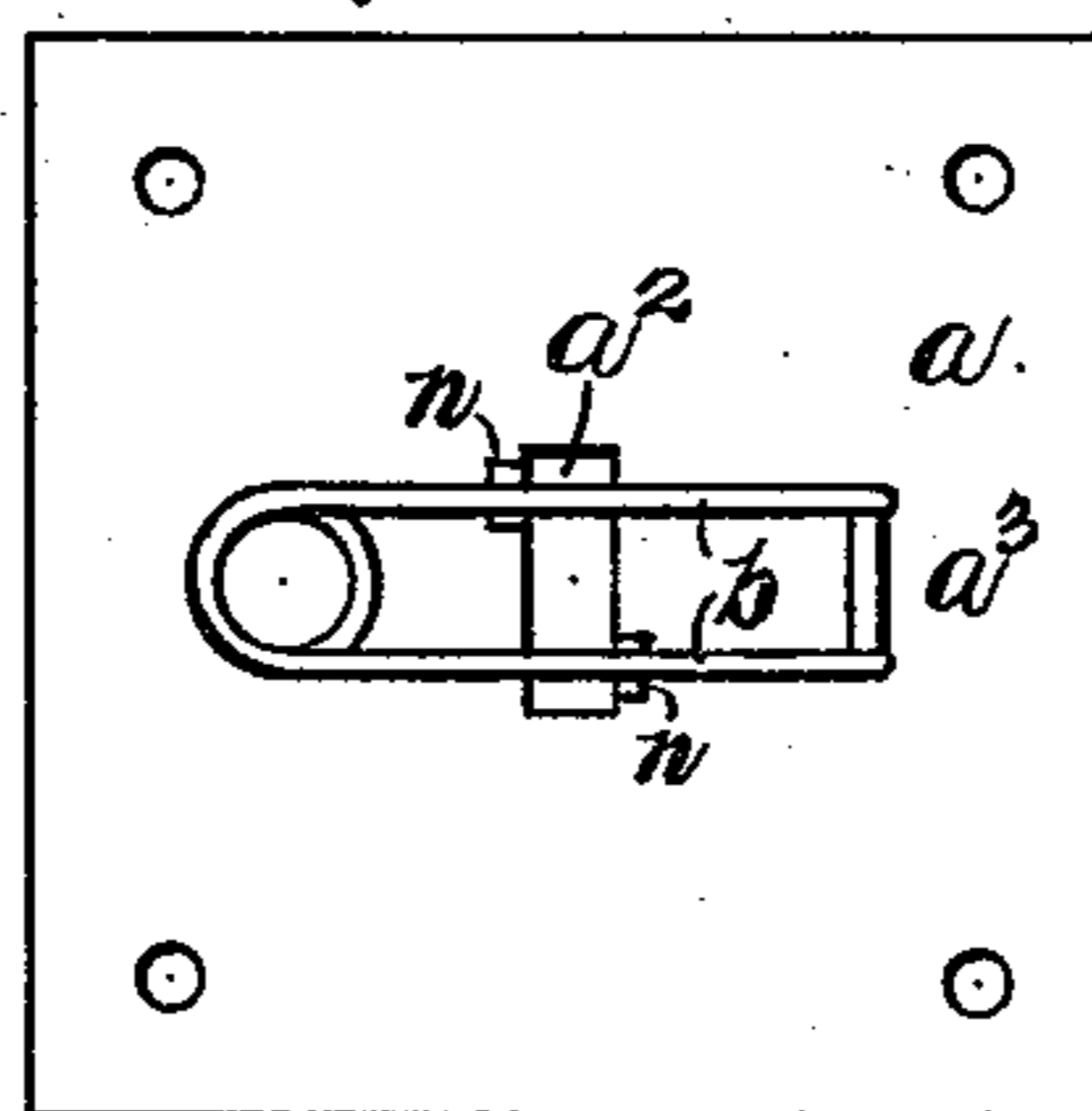


Fig. 4.



Witnesses

Iron L. Nash. Fig. 2.
Chas. J. Ruffin.

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UNITED STATES PATENT OFFICE.

ALEXANDER DOM, OF MOUNT HEALTHY, ASSIGNOR TO THE GLOBE COMPANY, OF CINCINNATI, OHIO.

FILE FOR INDEX-CARDS.

SPECIFICATION forming part of Letters Patent No. 525,947, dated September 11, 1894.

Application filed May 28, 1894. Serial No. 512,626. (No model.)

To all whom it may concern:

Be it known that I, ALEXANDER DOM, a citizen of the United States, residing at Mount Healthy, Hamilton county, State of Ohio, have invented certain new and useful Improvement in Files for Index-Cards, of which the following is a specification, reference being had to the accompanying drawings.

My invention relates to that class of files in which the index or other cards are retained within a box or drawer by means of a rod passed through the front end of the box or drawer and through suitable perforations in the cards, the object being to provide an efficient means whereby any desired card may be readily inserted or removed from the file, as will more fully hereinafter appear.

In the accompanying drawings:—Figure 1, is a perspective view of a cabinet-file showing one of the drawers drawn out and sectioned, the same being provided with my improvements. Fig. 2, is a rear face view of the lock-plate removed from the front end of the drawer, and showing the filing-rod locked in position thereon and the preferred form of locking mechanism. Fig. 3, is a view similar to Fig. 2, with the filing-rod turned in position to be removed or disengaged from the lock-plate. Fig. 4, is a view similar to Figs. 2 and 3, showing one modification of the spring mechanism for automatically turning the file-rod and locking it to the plate. Fig. 5, is a top view of the actuating lug on the file-rod, and Fig. 6, is a side view of same.

In the drawings, A, represents a cabinet having drawers, B, the latter being adapted to receive and retain the index-cards, C, or other matter, said cards being retained therein in an adjustable position by means of a rod, D, passed through perforations in said cards. It is also preferred to employ one or more followers, E, within the drawer or case, said follower having the rod passed through it, as shown; but, if desired, said follower may be dispensed with as the latter constitutes no part of my invention.

My invention consists of suitable spring mechanism for automatically imparting a partial rotation to the file-rod and for locking the latter to a plate secured to the front end of a drawer or case; and, with this object in

view, I have provided the plate, *a*, which is secured to the front end of the drawer, said plate having an elongated opening, *a*², as shown. To the inner face of this plate are attached the spring-actuating arms, *b*, *b*, which latter, when in their normal position, extend across the opening *a*². Said arms may be formed of any suitable material and may be of any desired configuration, and may also be attached to the plate in any desired manner. In the drawings I have illustrated the arms *b* as composed of spring-wire bent as shown and secured to the plate by means of a headed rivet, *b*², the rear end *b*³ of the wire being rigidly attached to the plate. It is also preferred to provide said plate with a headed rivet or projection, *b*⁴, to retain the free end portion of each arm in proper position. If desired, the arms, *b*, may be formed of a single piece of spring material bent centrally upon itself, and suitably connected to the plate, as shown in Fig. 4, in which event a suitable lug, *a*³, may be struck-up from the plate to retain the free end portions of said arms a suitable distance apart.

The rod, D, is provided with a headed portion, *d*, and an angular or wedge-shaped lug, *d*², the latter being approximately flat in cross-section. The rear portion of this lug is a slight distance from the head of the rod, forming a space or recess, *e*, which is occupied by the edge of plate *a* when said rod is in a locked position, as shown in Figs. 1 and 2.

The operation of my invention is as follows: To insert the rod, D, the operator manipulates it in such a manner as that the flat portion of its lug *d*² will align with the elongated opening *a*² in the plate; and, as said rod and its lug is passed through said opening, the wedge-shaped portion of the lug will act upon the arms *b*, forcing them outward as shown in Fig. 3 until said lug has passed the inner face of the plate at which instant the resiliency of said spring-arms will turn said lug across the face of the opening, as shown in Fig. 2, in which position the rod is securely locked to its plate. To limit the rotatory movement of the lug and rod, I have provided the lugs *u*, one on each side of the opening *a*², as shown. To remove the filing-rod, the operator grasps the head, *d*, of said

rod and gives it a partial rotation until the lug d^2 comes into contact with the projections, u , at which time said lug aligns with the opening a^2 , as shown in Fig. 3, and may then be withdrawn.

The advantages of my invention are apparent, affording as it does an economic and efficient device for locking the filing-rod to position within a drawer or case. The operation of the locking-device is such that the filing-rod can be inserted and locked, or removed, in a moment's time.

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

1. A file-case having a plate attached to its front end portion, said plate having an elongated opening, in combination with a rod having a lug thereon adapted to pass through said opening, and spring actuating mechanism impinging against said lug, said rod having a longitudinal and rotatory movement within said plate, for the purposes set forth.

2. A file-case having a plate attached to its front end, said plate having an elongated opening therein, and lugs u on its inner face at the sides of said opening, in combination with a rod and lug thereon adapted to pass through said opening, said rod having a lon-

gitudinal and rotatory movement within said plate and spring actuating mechanism impinging against said lug, as and for the purposes specified.

3. A file-case having a plate a attached to its front end with an elongated opening in said plate, the latter having the spring-arms b attached thereto on its inner face, said arms projecting across said opening, in combination with the rod D having a lug d^2 thereon, said rod having a longitudinal and rotatory movement within said plate, substantially as set forth.

4. A file-case having a plate a attached to its front end with an elongated opening a^2 therein, said plate on its inner face having the lugs u and spring-arms b attached thereto, and lugs for limiting the inward movement of said arms, in combination with rod D having head d , lug d^2 and a space e intervening between said head and lug, said rod having a longitudinal and rotatory movement within said plate, for the purposes set forth.

ALEXANDER DOM.

Witnesses:

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