

E. C. HOLLAND.

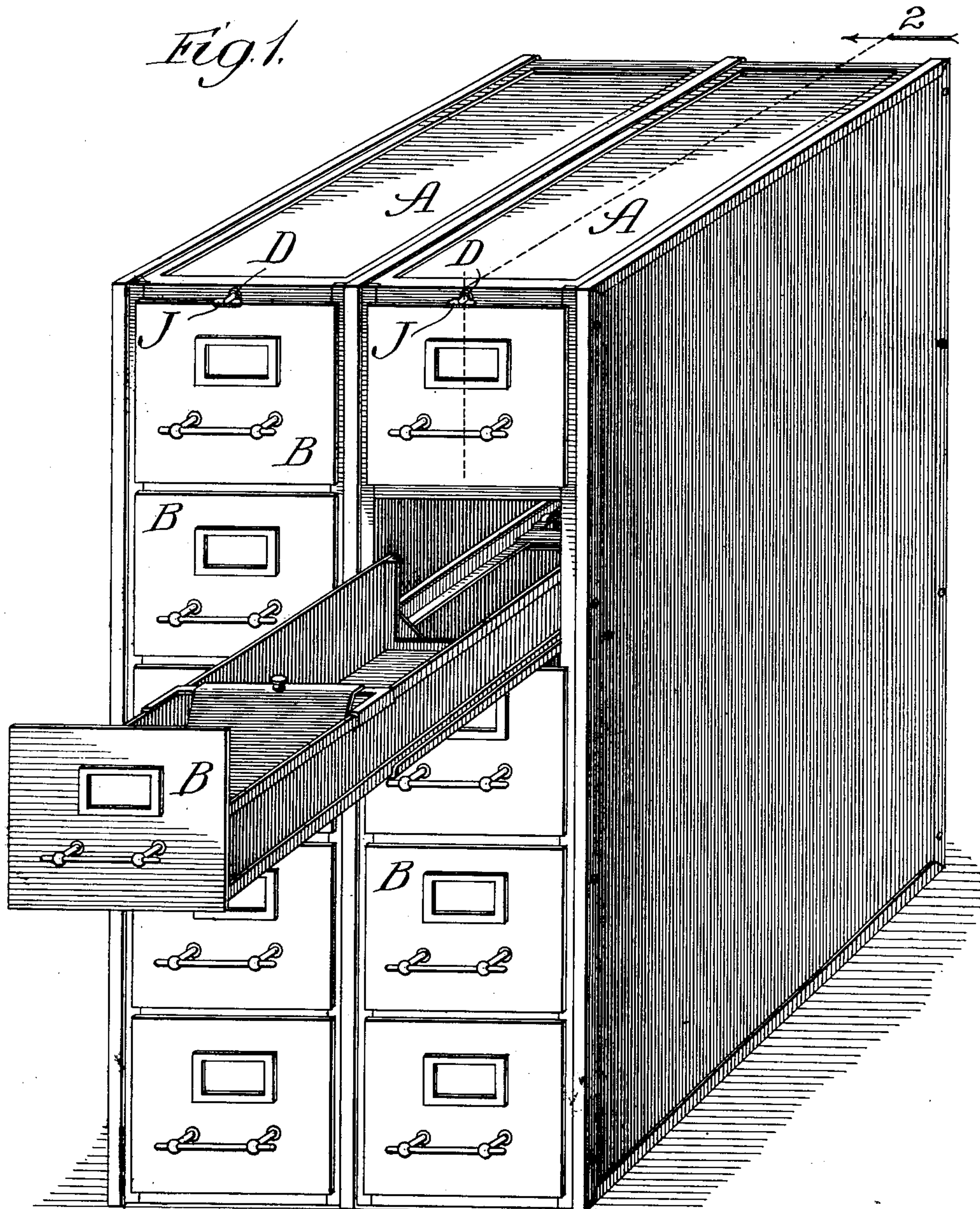
DRAWER LOCK.

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912,570.

Patented Feb. 16, 1909.

2 SHEETS—SHEET 1.



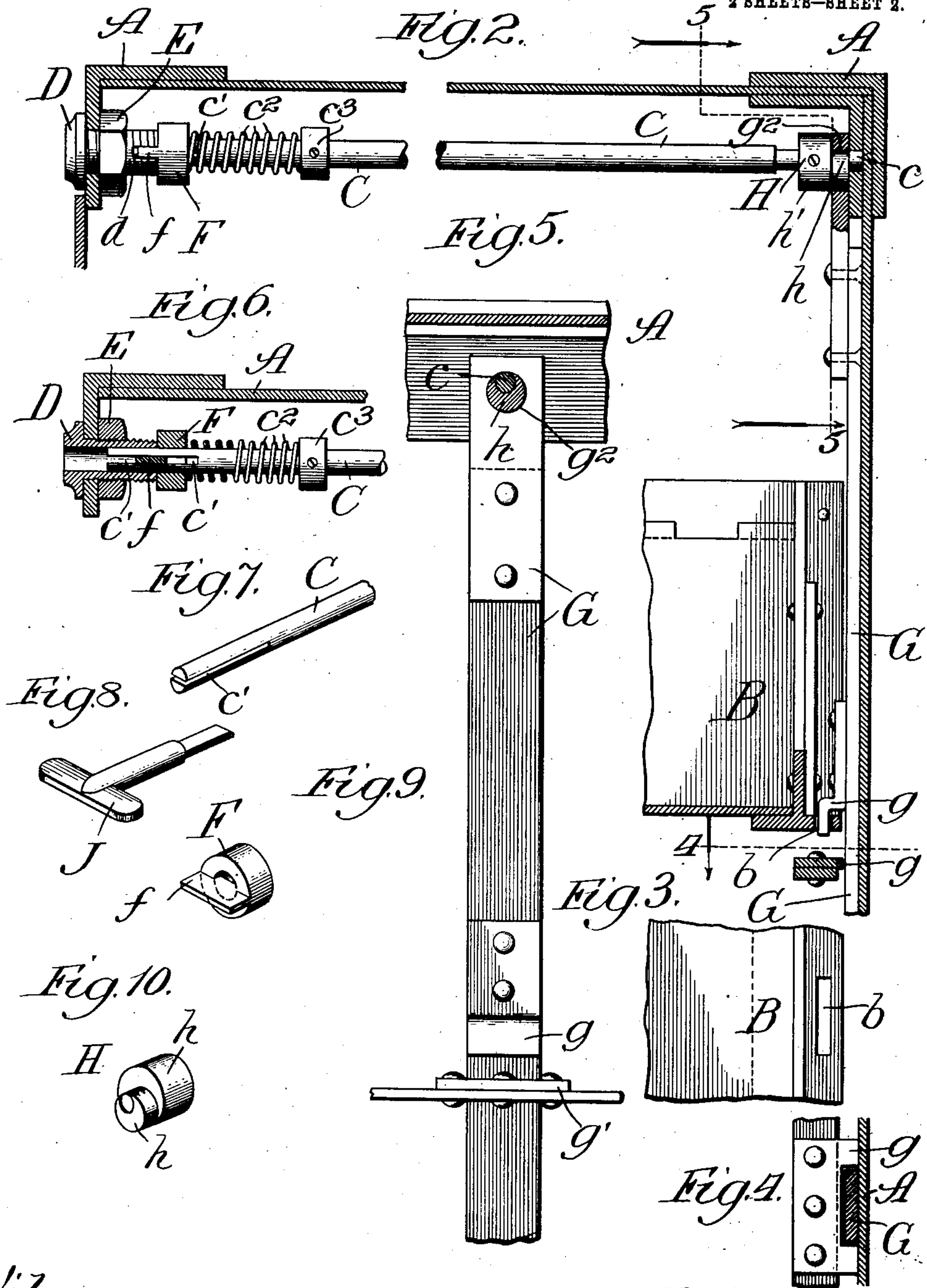
Witnesses:
Ed. Gaylord,
John Enders.

Inventor
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2 SHEETS—SHEET 2.



Witnesses:
C. S. Gaylord,
John Enders.

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UNITED STATES PATENT OFFICE.

ELIAS C. HOLLAND, OF BENTON HARBOR, MICHIGAN, ASSIGNOR TO METAL SECTIONAL FURNITURE COMPANY, OF PORTLAND, MAINE, A CORPORATION.

DRAWER-LOCK.

No. 912,570.

Specification of Letters Patent.

Patented Feb. 16, 1909.

Application filed March 19, 1906. Serial No. 306,940.

To all whom it may concern:

Be it known that I, ELIAS C. HOLLAND, a citizen of the United States, and residing at Benton Harbor, in the State of Michigan, have invented certain new and useful Improvements in Drawer-Locks, of which the following is a full and accurate description, reference being had to the accompanying drawings.

My invention relates to that class of drawer locks adapted to lock a number of drawers by one mechanical movement, and has special reference to that class of devices known as cabinet files.

In the drawings, Figure 1 shows a perspective of a cabinet file to which class of devices my lock is specially adapted. Fig. 2 shows a broken sectional view of the file shown in Fig. 1 taken through the line 2 of Fig. 1. Figs. 3, 4, 5, 6, 7, 8, 9 and 10, are details showing in particular the construction of my invention.

More particularly described, A represents the cabinet, and B the drawers of the same, to which my lock is attached.

My lock is described as follows: To the cabinet A I attach a shaft C. One end of this shaft C is journaled within the rear of said case A, at c . The other end c' rests within a bore in the shank of a screw D which passes through the front of the cabinet A. A nut E is fitted upon the shank of the screw D, whereby the said screw is held in place within the front of said cabinet A. A collar F is slidably engaged with said shaft C, and is fitted with a flange f which slides within the slotted end c' of the shaft C. The end of the screw D is slotted at d , which slot is designed in operation to engage the flange f sliding within the slotted end c' of the shaft C. In order to normally hold the collar F forward in engagement with the screw D, I fit behind it on the shaft C, a spiral spring c^2 , supported at one end by the said collar F and at the other by the shoulder c^3 . A key J fitted with a shank designed to enter the slot c' of the shaft C, through the bore in the screw D, is provided to operate the lock.

To effect the engagement of the drawers B, B, I provide the following means. Along the rear of the cabinet A, I arrange a bar G, which carries a series of latches g, g , and is slidably connected with said cabinet A, being held in place by brackets $g' g'$. The

latches $g g$ are designed to engage with certain respective apertures $b b$ in the rear portion of the drawers B. B. The bar G is made to slide along the rear of said cabinet A by means of a cam H, engaging the said bar at the perforation g^2 . This cam H is fitted to the rear of the shaft C and consists of the cam h and a larger portion h' designed to hold said bar G in place on said cam h and against the rear of the cabinet A, see Fig. 2.

In operation the key J is inserted within the slot c of the shaft C, and drives the collar F out of engagement with the fixed shank of the screw D. The shaft C is then rotated by the use of the key, and the action of the cam H upon the bar G, withdraws the latches $g g$, from the aperture b, b , and releases the drawers B. B. To lock the drawers a reverse movement is necessary. Close all the drawers then rotate the shaft C and the latches g, g , will pass again into engagement with the drawers. The flange f of the collar F will again, when opposite the slotted shank d of the screw D, be made to slip into engagement therewith by the action of the spring c^2 , and thereby the shaft cannot be rotated or the drawers unlocked again, without the use of the key J, as described.

What I claim as my invention is:

1. In a cabinet file a drawer lock comprising a rotating shaft secured to said file, a cam fitted on said shaft, a lock bar having engagement with said cam and with the drawers of said file and means of locking said shaft, consisting of slotted screw shank fixed to said file, a slot cut in one end of said shaft, a collar sliding on said shaft carrying a flange having sliding engagement with said slotted end on the said shaft, and adapted to engage the said slotted screw shank, and a spiral spring mounted on said shaft and engaging said sliding collar, whereby said collar and flange is normally held in engagement with said screw shank.

2. In a cabinet file, a drawer lock comprising slotted drawers, a lock bar and latches attached thereto, having engagement with said slotted drawers, a rotating shaft secured to said file, a cam fixed upon said shaft, and engaging said lock bar, and means for locking said shaft consisting of, a center bored screw fixed to said file, the inner end of said shaft being slotted and engaging said bored screw, a spring actuated collar mounted on said shaft, a flange fitted to said collar and having

sliding engagement with said slotted end of said shaft, and adapted to normally engage said slotted screw, and a key adapted to be passed through said bored screw, and into
5 said slotted shaft whereby said flange may be forced out of engagement with said slotted screw, and said shaft made to rotate.

3. In a cabinet file a drawer lock consisting of a rotating shaft secured to said file, a cam
10 fitted on the end of said shaft, a lock bar having engagement with said cam and with the drawers of said file, and means for locking

said shaft against rotation consisting of a collar having sliding engagement with said shaft, a lug fitted on said collar, and having
15 sliding engagement with a slot fitted within said shaft and adapted to prevent the rotation of the said collar upon the said shaft, and a key adapted to disengage the said lug from the frame of the said file.

ELIAS C. HOLLAND.

Witnesses:

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