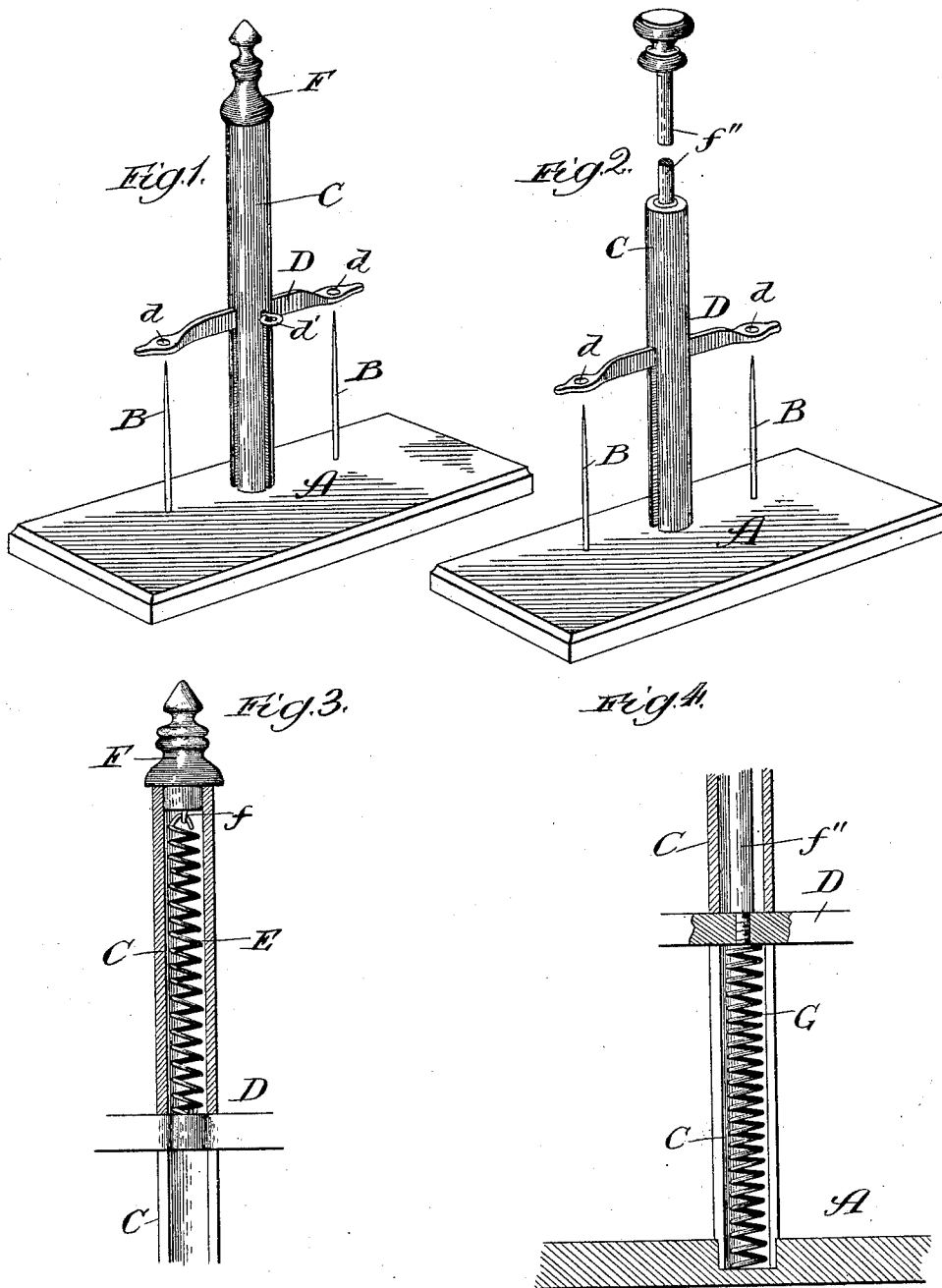


(No Model.)

M. OPLANN.
PAPER FILE.

No. 460,156.

Patented Sept. 29, 1891.



Witnesses:
Chas. E. Gaylord,
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UNITED STATES PATENT OFFICE.

MATHIAS OPLANN, OF CHICAGO, ILLINOIS.

PAPER-FILE.

SPECIFICATION forming part of Letters Patent No. 460,156, dated September 29, 1891.

Application filed February 9, 1891. Serial No. 380,796. (No model.)

To all whom it may concern:

Be it known that I, MATHIAS OPLANN, a citizen of the United States, residing at Chicago, Cook county, Illinois, have invented a new and useful Improvement in Paper-Files, of which the following is a specification.

The object of this improvement is to provide a simple and efficient file for checks, papers, &c., provided with means whereby the papers, &c., are forced down upon the file, avoiding the possibility of catching the operator's hand upon the point thereof; and the invention consists in the features and details of construction hereinafter described and claimed.

In the drawings, Figure 1 is a perspective view of my improved paper-file; Fig. 2, a similar view illustrating a modification; Fig. 3, a central vertical section of the upper part of Fig. 1, and Fig. 4 a similar section of the lower part of Fig. 2.

In making my improved file I first construct the base A. This is made of wood or any other suitable material and of any desired dimensions. To this are fastened the needles or sharpened rods B B of the file, upon which the papers are placed. These rods are preferably inserted in sockets formed in the base in such manner that they can be taken out when desired to take the device apart. At a point preferably midway between these rods is placed a post C of any suitable dimensions and material. This post is slotted throughout a portion of its length, and a cross-bar D is passed through the post and moves up and down in this slot, and is provided with holes *d*, suitably placed to receive the rods B as the cross-bar is moved downward. The cross-bar may be operated in several ways, of which I have shown two in the drawings merely as illustrations and not as limitations.

When made as shown in Figs. 1 and 3, the cross-bar is connected by means of a spring E with a plug F, fitting in the top of the post and provided with a ring *f*, into which the upper end of the spring hooks. The cross-bar is provided with a knob or handle *d'*, by which the bar is moved up and down, the handle moving through a slot in the post, as

shown. As the bar is moved down, the resistance of the spring E must be overcome, and when the bar is released the resiliency of the spring will draw it back to its normal position.

When constructed as shown in Figs. 2 and 4, the spring G is placed beneath the cross-bar, abutting at one end against said bar and at the other against the base A. The plug F is connected by means of a rod *f'* with the bar, and the parts normally rest in the position shown in Fig. 2. When the cross-bar is moved downward by means of the knob F, the spring beneath such bar will be compressed, and when the pressure upon the bar is released the expansive force of the spring will restore the bar to its normal position.

The device, being constructed as above described, is used as follows: The check, letter, or other thing which it is desired to file is placed over the point of one of the rods B and the cross-bar then moved down. This presses upon the top of the paper to be filed and forces it down over the rod, which passes through the hole in the cross-bar. The check, &c., having been pushed as far down the rod as desired, the bar may be released, when it will return, as above described, to its original position.

I claim—

1. A letter-file comprising a base, one or more filing-rods attached thereto, a slotted post attached to the base, a cross-bar passing through the slot and moving up and down in such post and provided with a hole or holes to engage the binding-rods, and means for operating such bar, substantially as described.

2. In a paper-file, the combination of a base, one or more binding-rods attached thereto, a slotted post secured to the base, a cross-bar passing through and moving up and down therein and provided with one or more holes corresponding to the binding-rods, means for moving the bar downward to engage with the rods, and a spring within the post for returning it to its normal position when released, substantially as described.

3. In a paper-file, the combination of a base, one or more binding-rods attached thereto, a slotted hollow post secured to the base, a cross-

bar passing through and moving up and down
in the slot in such post and provided with
one or more holes corresponding to the bind-
ing-rods, an operating-rod sliding in the post
5 and attached to the bar, and a spring inside
of the post beneath the bar, whereby such
bar may be moved down by the operating-

rod to file the papers and restored to its nor-
mal position by the spring when the bar is re-
leased, substantially as described.

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Witnesses:

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